ASSET MANAGEMENT - UNDERSTANDING THE MAGNITUDE AND SERIOUSNESS OF OUR ASSETS

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2013 Status of the Nation’s Highways, Bridges and Transit: Conditions and Performance Report

- Approximately four million miles of state and local roads,
- 136,000 miles of federal highways
- 604,000 bridges
- Over 74,000 commercial buses
- Over 31,000 train cars

For the Highways, Bridges and Transit assets, the United States spends greater than $100 Billion each year in maintenance.
ASSET MANAGEMENT – THE LARGER CONTEXT

In terms of traffic assets

- more than 300,000 traffic signals
- millions of traffic signs and
- millions of miles of pavement markings.

- NTOC 2012 National Traffic Signal Report Card estimates approximately $83 Billion in public investment in traffic signals
- Many of the traffic signals have other assets tied to them such as traffic cameras, vehicle detection devices and communication systems.
ASSET MANAGEMENT - WHAT ARE SOME OF THE BENEFITS

1. Improved efficiency in use of limited resources
2. Improved prioritization and decision making process
3. Improved response times and reporting
4. Improved accountability & transparency
5. Move from reactive to preventative maintenance
6. Reduces risk to public safety and health
ASSET MANAGEMENT – IF THE BENEFITS ARE SO GOOD, WHY ISN’T EVERYONE USING IT

1. It can appear to be daunting undertaking
2. Maybe it has not risen to a higher priority level
3. Resistance to change within the organization
4. Costs
ASSET MANAGEMENT – WHAT ARE SOME OF AVAILABLE SYSTEMS

- Enterprise Systems – SAP, PeopleSoft, etc.
- Deighton
- CarteGraph
- Cityworks
- Maximo
- INFOR
- Many many more
ASSET MANAGEMENT – WHAT ARE SOME CONSIDERATIONS

1. Good inventory
2. Clear definition of business functionality
3. Clear understanding of costs
4. Agency Champion
ASSET MANAGEMENT – WHAT ARE SOME CONSIDERATIONS

1. **Good inventory**
   - Regardless of what kind of system you have, you need a good inventory of existing assets.
   - This usually means upfront data collection and collect as you go method.
   - It is time consuming and can be expensive.
   - Need to know what to collect before you collect.
   - Big city example.
   - DOT example.
   - Newer extraction technologies.
ASSET MANAGEMENT – WHAT ARE SOME CONSIDERATIONS

2. **Clear definition of business functionality**
   - Inventory management
   - Materials and warehouse management
   - Work Order management
   - Document management
   - Warranty management
   - Performance metrics and reporting
   - Dashboards
   - Work flow process
   - Display & visualization functionality
   - System functionality – user mgt, ownership, tablets, etc
ASSET MANAGEMENT - WHAT ARE SOME CONSIDERATIONS

3. **Clear understanding of costs**
   - License fee per individual users or block of licenses
   - Data Storage costs
   - Conversion costs
   - Configuration costs
ASSET MANAGEMENT – WHAT ARE SOME CONSIDERATIONS

4. Agency champion
   - Absolutely critical to success
   - City example
   - County example
   - Training & coaching people
   - Help with change management
QUESTIONS??

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Thank You!!