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ASSET MANAGEMENT - UNDERSTANDING THE MAGNITUDE AND SERIOUSNESS OF OUR ASSETS

Navin Nageli, P.E
President,
Navjoy Consulting Services, Inc.



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ASSET MANAGEMENT – THE LARGER CONTEXT

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
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- 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.

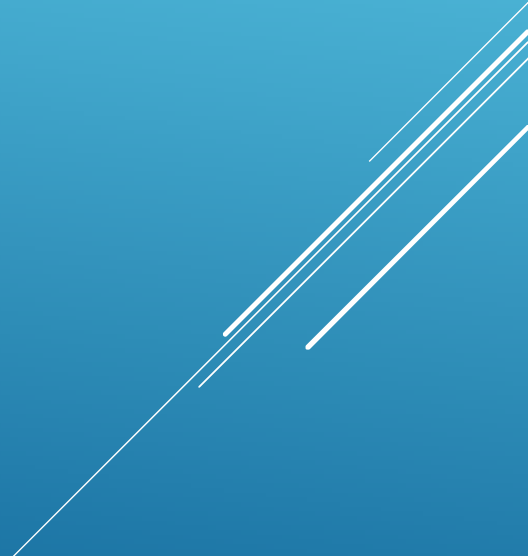
ASSET MANAGEMENT – WHAT ARE SOME OF THE BENEFITS

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
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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
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ASSET MANAGEMENT – WHAT ARE SOME OF AVAILABLE SYSTEMS


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

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

1. Good inventory

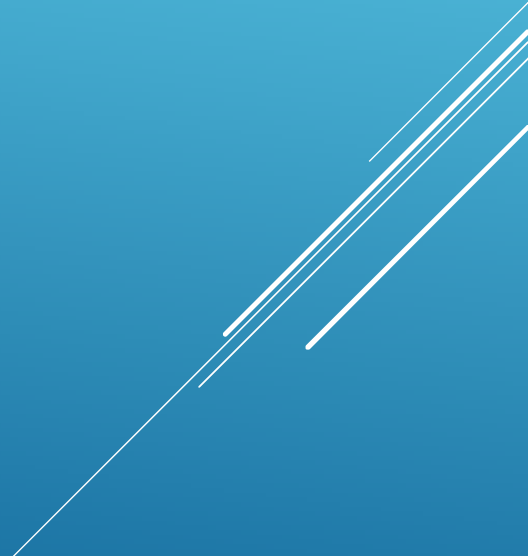
- § Regardless of what kind of system you have- you need a good inventory of existing assets
 - § This usually means – upfront data collection and collect as you go method
 - § It is time consuming and can be expensive
 - § Need to know what to collect before you collect
 - § Big city example
 - § DOT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

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

Contact Information

Navin Nageli,
President
Navjoy Consulting Services, Inc.

Email: nnageli@navjoyinc.com
Website: www.navjoyinc.com



Thank You!!