WASHTO EMERGING LEADERS

Outside the Data Box

AK – Ana Enge
CO – Nick Farber
NV – Kevin Verre
OK – Matthew Swift
UT – Kendall Draney
DATA MANAGEMENT

- Data Governance
- Tools for Decision Making
- Benefits and Lessons Learned
ADOT&PF’s Road to Data Governance
<table>
<thead>
<tr>
<th>Core/Direct Service</th>
<th>Timeliness</th>
<th>Accuracy</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expand Infrastructure</td>
<td>1) Percent of Projects Behind Plan</td>
<td>1) Total Dollars obligated vs. Total Dollars Planned (STIP)</td>
<td>1) Total Cost of Construction Dollars Delivered/Total Cost</td>
</tr>
<tr>
<td>C2: Design/Engineer Infrastructure</td>
<td>NA</td>
<td>1) Percent of Project CO Due to Design/Engineering Issues</td>
<td>1) Cost of Design/Engineering COS vs. Total Planned Budget</td>
</tr>
<tr>
<td>C2-D1: Obtain ROW</td>
<td>1) Average Number of Days Per Acquisition</td>
<td>1) Final Parcel Purchase Price vs. Initial Appraisal</td>
<td>Total Phase 2 ROW Cost vs. Total Project Cost</td>
</tr>
<tr>
<td>C2-D2: Design The Project (PS&amp;E)</td>
<td>1) Changes in Duration Original Schedule vs. Obligation Schedule</td>
<td>1) Percent Change Original Design Cost Estimate to Bid Results</td>
<td>1) Total Phase 2 Cost/Total Project Cost</td>
</tr>
<tr>
<td>C2-D3: Utilities</td>
<td>1) Time from Original Schedule vs. Utilities Certification Date</td>
<td>1) Number of Unplanned Relocates/Total Number of Relocates</td>
<td>1) Relocation Costs per Project/Total Project Cost</td>
</tr>
<tr>
<td>C2-D4: Prepare Environmental Permitting/ Documents</td>
<td>1) Time from Original Schedule vs. Environment Document Completion Date</td>
<td>1) Number of Final Documents Returned for Rework/Total Documents Submitted</td>
<td>1) Environment Costs Per Project/Total Project Cost</td>
</tr>
</tbody>
</table>

Developing Dashboards

WASHTO
EMERGING LEADERS
<table>
<thead>
<tr>
<th>Short Project Name</th>
<th>Start Date</th>
<th>Advertised Date</th>
<th>Intent to Award Date</th>
<th>Award &amp; Notice</th>
</tr>
</thead>
<tbody>
<tr>
<td>GST: Rink Creek Bridge Re</td>
<td>1/18/2012</td>
<td>11/14/2016</td>
<td>12/29/2016</td>
<td>1/24/2017</td>
</tr>
<tr>
<td>Haines FT Hawser Rail &amp; W</td>
<td>(blank)</td>
<td>2/14/2017</td>
<td>3/2/2017</td>
<td>3/2/2017</td>
</tr>
</tbody>
</table>

Recommended to STIP
MRS
Initial Obligation
Excel
Award Date
Bid Tab
Data Governance
ODOT MAP & Data Portal
1. Zero Crashes, Injuries & Fatalities Dashboard

2. Optimize Mobility Dashboard

3. Preserve Infrastructure Dashboard

A composite metric for zero fatalities is based on key performance measures. The individual criteria are weighted as follows:

- Traffic Fatalities (29%)
- Traffic Serious Injuries (20%)
- Traffic Crashes (8%)
- Internal Fatalities (18%)
- Internal Injuries (10%)
- Internal Equipment Damage (5%)

91.9%

A composite metric for infrastructure is based on the following key performance measures:

- Bridges (39%)
- Pavement (35%)
- Signals (17%)
- Advanced Traffic Management System (ATMS) (9%)

99.4%

85.3%
Data Management: Benefits and Lessons Learned
PRIORITIZATION

- Establishing Framework
- Define Prioritization Criteria
- Benefits/Lessons Learned
Data Driven Decision
• Project selection criteria – prior to selection tool.

• Technology not quick fix for work behind
Questions?

- AK – Ana Enge
  - ana.enge@alaska.gov
- CO – Nick Farber
  - nicholas.farber@state.co.us
- NV – Kevin Verre
  - kverre@dot.nv.gov

- OK – Matthew Swift
  - mswift@odot.org
- UT – Kendall Draney
  - kdraney@utah.gov

WASHTO EMERGING LEADERS