Roadway Characteristics Editor
“It’s all about the journey!”

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Presentation Overview

- How We Started
- Change In Collection Strategy
- Best Practices Today
- Facilitated Discussion
Esri Roads & Highways Basics: Event Editor

- Web tool used for data input / management
- Prior to 10.5 was named Roadway Condition Editor (RCE)
Esri Roads & Highways Basics: Attribute Sets

- Allows for multiple events to be edited at the same time
- Limits input fields for specific collection applications
Esri Roads & Highways Basics: Attribute Sets

- A single LRS definition for all desired events
Background

- Moving to Roads & Highways
- What information is needed?
  - HPMS Formatted Data
  - Collection Procedures around HPMS Format
“I’m so Confused”
A New Way Of Looking At Things

- Single pass vs Multiple Passes
- It’s all about the journey, not the destination!
- Accuracy!!!
Business Needs – Multiple Passes

- COR – Center of Roadway attribute set
No Passing Zones; Painted Medians (w/o Left Turn); Painted Medians (w/ Left Turn); Left Turn Lanes; Tapers for all four types
It’s all about **efficiency**!
ADOT Process Improvements

- Run the Center of Roadway (with right hand turns)
- Run Pavement data from Construction Plans
- Run the Specialized attribute sets
- Run the remainder of attributes
The Work is Never Done
Best Practices

- Collection Methodologies Do Not have to match Output Database Design
- Set Up Attribute Sets to aid the Collector / Think about "ease of collection"
- When Possible Keep Consistant Across; Workflows, Event Editor Map Layout, Attribute Sets, and Documentation
- Allow Attribute Sets to be Adaptive:
- But Ensure Quality Control
- Documentation is the Key for Adoption
Other Potential Attribute Set Influences

Location in Road Functional Classification
Urban vs Rural # of Lanes Old vs To Date Aerial
Ownership Project Specific Goals Public vs Internal By Division
By County Paved vs Unpaved Fine vs Coarse Detail,
New vs Experienced User Month of the Year Reporting Output Needs
Reference Resources Available Origin of Existing Data
Collection Team Strengths

The Possibilities are Endless!
Project Management Perspective

- **FAS (Fast)**
  - Expensive
  - Unicorns (& Mgmt) Live Here

- **CHEAP**
  - Ugly
  - Just in Time to be too late

- **GREAT**
Facilitated Discussion

1. How does your agency gather roadway attributes?
2. What attribute sets can be optimized to support more accurate and faster data collection?
3. How would you want to collect data for your agency?
Future Collaboration

- Join the discussion on the RHUG GeoNet page!
  - RHUG General Page
  - Attribute Sets Discussion (includes these slides)
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