Esri Roads and Highways: Data Loading
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What will be covered...

Migrating data into Roads and Highways by:

• Creating Roads and Highways schema
• Configuring and loading a LRS Network
• Loading LRS event data
Helpful Terms

- ALRS – Linear referencing system used by Roads and Highways
- Network – Polyline M representation of routes
- RouteID – Unique identifier for each route within an ALRS
- Event – Polyline M representation of roadway characteristics
- Calibration – Measures on routes
Road and Highways Minimum Schema
Schema for route centerline management

Routes
Route definitions.

Centerline sequence
Key table for M-N relationship between Centerline and Route.

Calibration points
Point feature class that stores route measures.

Centerline
Line feature class that stores route geometry.

Route features are generated from two feature classes and two tables
Event Feature Class

LRS events with a shape, managed by Roads and Highways, driven by route and measure

- Persisted shape column

- Shape managed by Routes

- When the routes are edited, measure behavior rules are applied to events
Event Measure Behaviors
Automatically keep event measures in sync with route edits

- When the routes are edited, measure behavior rules can be applied to events
- Events can have a different behavior for each type of route edit
Demo

Network creation and loading
Additional Resources

Visit online help

Additional sessions

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<th>Session</th>
<th>Date</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Using Intersections to Located Event Data</td>
<td>Thursday</td>
<td>11:30 AM</td>
<td>Demo Theater – Geodatabase Management Exhibit Hall C</td>
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<tr>
<td>ESRI Roads and Highways</td>
<td>Thursday</td>
<td>12:30 PM</td>
<td>Demo Theater – Federal Showcase Exhibit Hall C</td>
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Thank you…

• Please fill out the session survey:

**Offering ID: 1560**

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