

### 3.2.3

#### **Emerging Uses of GIS for Environmental Solutions in the Transportation Industry**

**Presenter**

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Integrated Session with Multiple Papers. In coordination with Aung Gye, FHWA, Headquarters. Multiple papers will present environmental solutions using GIS in transportation as an integrated session. Across the nation, many years of successes and accomplishments are underway in the use of GIS for environmental responsibilities within the transportation industry. This session will emphasize emerging uses of GIS for environmental solutions for transportation as an integrated session.

The benefits of using GIS data and technologies and remotely sensed data will be highlighted for transportation responsibilities that include:

- Environmental Mitigation
- Special Waste/Hazardous Waste
- Wetlands, Streams, and Permits
- Wildlife and Threatened and Endangered Species Approvals
- Historic and Archeological Resources
- Integrated Solutions

Efforts underway in multiple states and regions will be highlighted as actual examples and solutions.