

*2016 AASHTO Right of Way,
Utilities, Outdoor Advertising Control
& National Alliance of Highway
Beautification Agencies Conference*



Sunday, May 1–Thursday, May 5
Rosen Centre Hotel
Orlando, Florida

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Soft Clash – Physical / Design

- Structures
- Environmental
- Space Limitations / Utility Design
- High Value / High Risk
- Vehicle Loading
- Outage Windows

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Structures

- **Large OH transmission line Relocation**
 - Vertical and horizontal clearances
 - Proximity to existing buildings
 - Raising grade-line
 - Safety hazards
(outside new utility easement)
 - Magnetic contamination

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Environmental

- **Trees**
 - DOT vs. Utility
 - Future vegetation Impacts
- **Aesthetics**
 - Public demand OH to UG

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Space Limitations / Utility Design

- **Maintenance equipment access**
 - Conductor design
- **Impacts to Lateral Support**
 - Trench design
 - Trench construction

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High Value / High Risk

- **PHMSA Requirement**
 - Company personnel on-site
 - Contractor sequencing
- **Clearzone**
- **Temporary Fencing**
- **Higher bids**

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Vehicle Loading

- **Heavy equipment compaction**
 - Flow restriction
 - Oblong joint leakage
 - Service Lines

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Outage Windows

- **Highway closures**
- **Utility crew scheduling**
- **Planned outages aborted**

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