

# Transportation Overview

## Overview 10-10:50

Accidents & Volumes 11-11:50

Signals & Street Lights 1-1:50

Streets ROWs and Lucy 2-2:50 – Presented by Overland Park, KS

Signs 3-3:50

Recent Enhancements & Dreaming 4-4:50

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### Streets

- Segment Network Inventory
- Routes
- Intersection Network Inventory
- Structure Inventory

### Roads

- Roads Inventory
- Road Attributes
- Road Segments Inventory
- Road Ramps Inventory
- Road Assets Inventory

### Bridges

- Bridge Inventory
- Bridge Inspections

### Traffic Volume

- Traffic Segments
- Traffic Intersections

### Accidents

- Data Management
- Key Distances

### Construction

- Construction

### Right of Way

Bus Stop Inventory	Step Inventory
Bus Stop Inspections	Step Inspections
Curb Inventory	Wall Inventory
Curb Inspections	Wall Inspections
Fence Inventory	Parking Inventory
Fence Inspections	Parking Inspections
Guard Rail Inventory	Parking Stall Inventory
Guard Rail Inspections	Ramp Inventory
Median Inventory	Ramp Inspections
Median Inspections	Furniture Inventory
Marking Inventory	Furniture Inspections
Marking Inspections	Landscape Area Inventory
RR Crossing Inventory	Landscape Area Inspections
RR Crossing Inspections	Trail Inventory
Sidewalk Inventory	
Sidewalk Inspections	

### Traffic Control

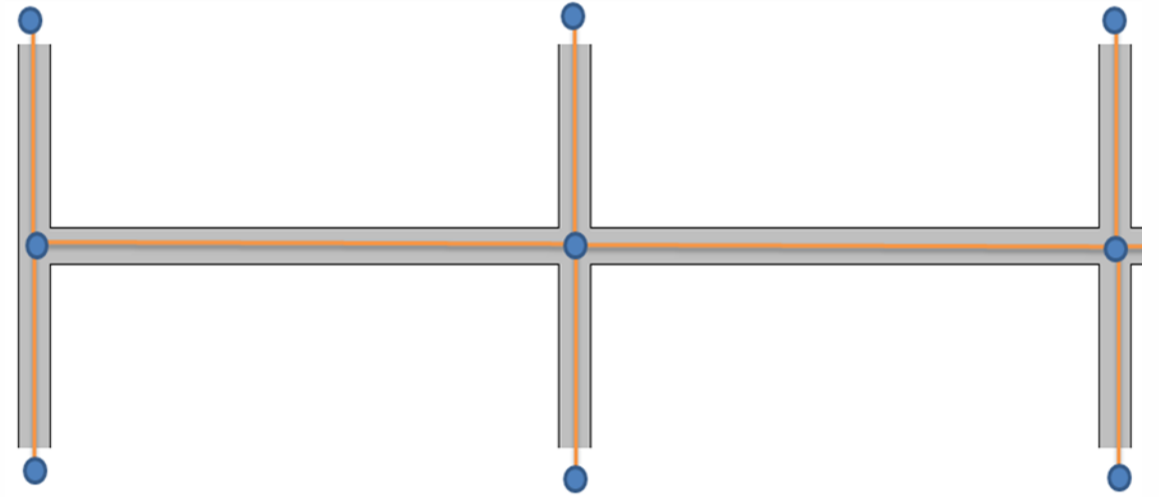
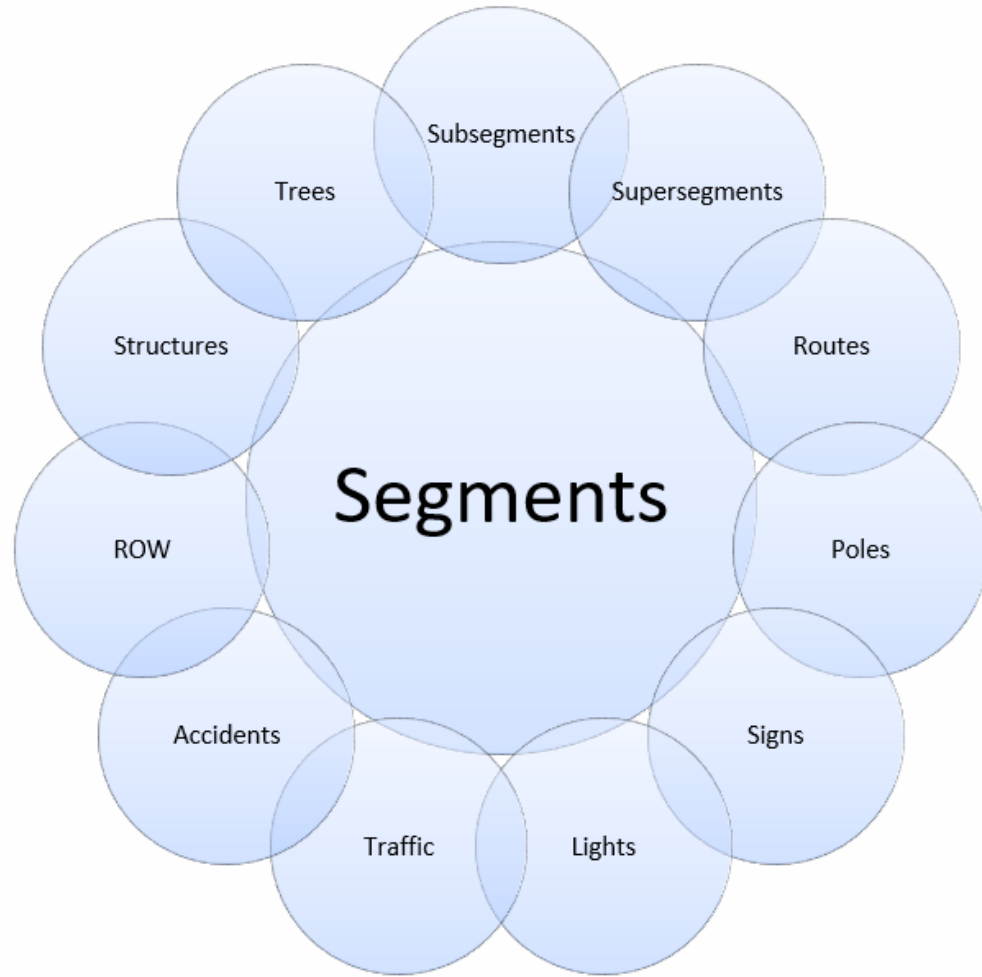
<h4>Signals</h4> <ul style="list-style-type: none"> <li>Signal Inventory</li> <li>Signal Inspections</li> <li>Signal Head Inventory</li> <li>Signal Head Inspections</li> <li>Controller Inventory</li> </ul>	<h4>Components</h4> <table border="0"> <tr> <td> <h5>Poles</h5> <ul style="list-style-type: none"> <li>Pole Inventory</li> <li>Pole Inspections</li> <li>Mast Arm/Span Inventory</li> </ul> </td> <td> <h5>Junction Boxes</h5> <ul style="list-style-type: none"> <li>Junction Box Inventory</li> </ul> </td> </tr> <tr> <td> <h5>Cabling</h5> <ul style="list-style-type: none"> <li>Mainline Inventory</li> <li>Conduit Inventory</li> <li>Conductor Inventory</li> <li>Traffic Detector Inventory</li> <li>Fiber Optic Inventory</li> <li>Preempt Signal Inventory</li> </ul> </td> <td> <h5>Meter Boxes</h5> <ul style="list-style-type: none"> <li>Meter Box Inventory</li> </ul> </td> </tr> <tr> <td> <h5>Signs</h5> <ul style="list-style-type: none"> <li>Sign Inventory</li> <li>Sign Inspections</li> <li>Sign Library</li> <li>Traffic Regulations</li> </ul> </td> <td> <h5>Cabinets</h5> <ul style="list-style-type: none"> <li>Cabinet Inventory</li> </ul> </td> </tr> <tr> <td> <h5>Street Light</h5> <ul style="list-style-type: none"> <li>Street Light Inventory</li> <li>Street Light Inspections</li> <li>Street Light Library</li> <li>Circuit Inventory</li> <li>Controller Inventory</li> <li>Controller Inspections</li> </ul> </td> <td> <h5>Snow Shoes</h5> <ul style="list-style-type: none"> <li>Snow Shoe Inventory</li> </ul> </td> </tr> <tr> <td></td> <td> <h5>Auxiliary Equipment</h5> <ul style="list-style-type: none"> <li>Auxiliary Equipment Inventory</li> <li>Auxiliary Equip Inspections</li> </ul> </td> </tr> </table>	<h5>Poles</h5> <ul style="list-style-type: none"> <li>Pole Inventory</li> <li>Pole Inspections</li> <li>Mast Arm/Span Inventory</li> </ul>	<h5>Junction Boxes</h5> <ul style="list-style-type: none"> <li>Junction Box Inventory</li> </ul>	<h5>Cabling</h5> <ul style="list-style-type: none"> <li>Mainline Inventory</li> <li>Conduit Inventory</li> <li>Conductor Inventory</li> <li>Traffic Detector Inventory</li> <li>Fiber Optic Inventory</li> <li>Preempt Signal Inventory</li> </ul>	<h5>Meter Boxes</h5> <ul style="list-style-type: none"> <li>Meter Box Inventory</li> </ul>	<h5>Signs</h5> <ul style="list-style-type: none"> <li>Sign Inventory</li> <li>Sign Inspections</li> <li>Sign Library</li> <li>Traffic Regulations</li> </ul>	<h5>Cabinets</h5> <ul style="list-style-type: none"> <li>Cabinet Inventory</li> </ul>	<h5>Street Light</h5> <ul style="list-style-type: none"> <li>Street Light Inventory</li> <li>Street Light Inspections</li> <li>Street Light Library</li> <li>Circuit Inventory</li> <li>Controller Inventory</li> <li>Controller Inspections</li> </ul>	<h5>Snow Shoes</h5> <ul style="list-style-type: none"> <li>Snow Shoe Inventory</li> </ul>		<h5>Auxiliary Equipment</h5> <ul style="list-style-type: none"> <li>Auxiliary Equipment Inventory</li> <li>Auxiliary Equip Inspections</li> </ul>
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## Modules

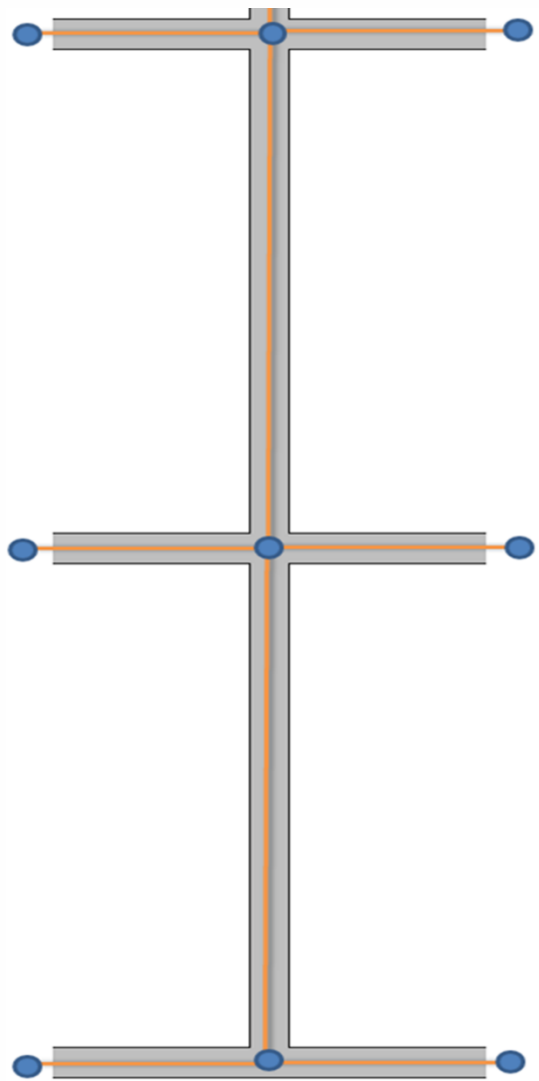
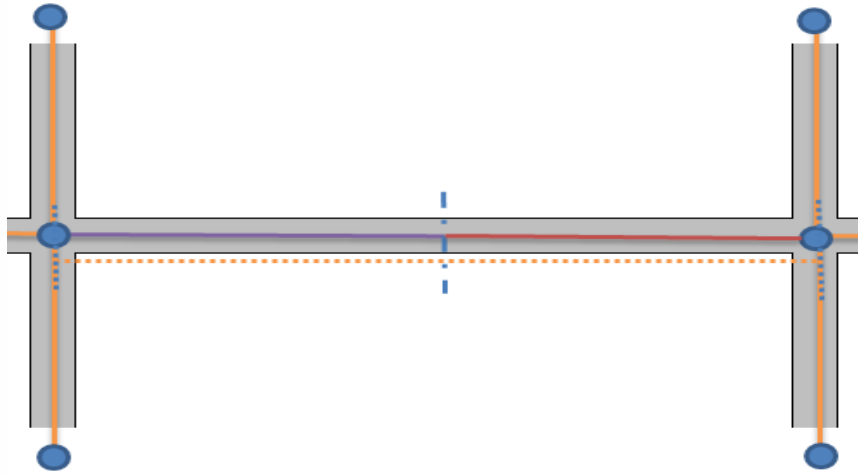
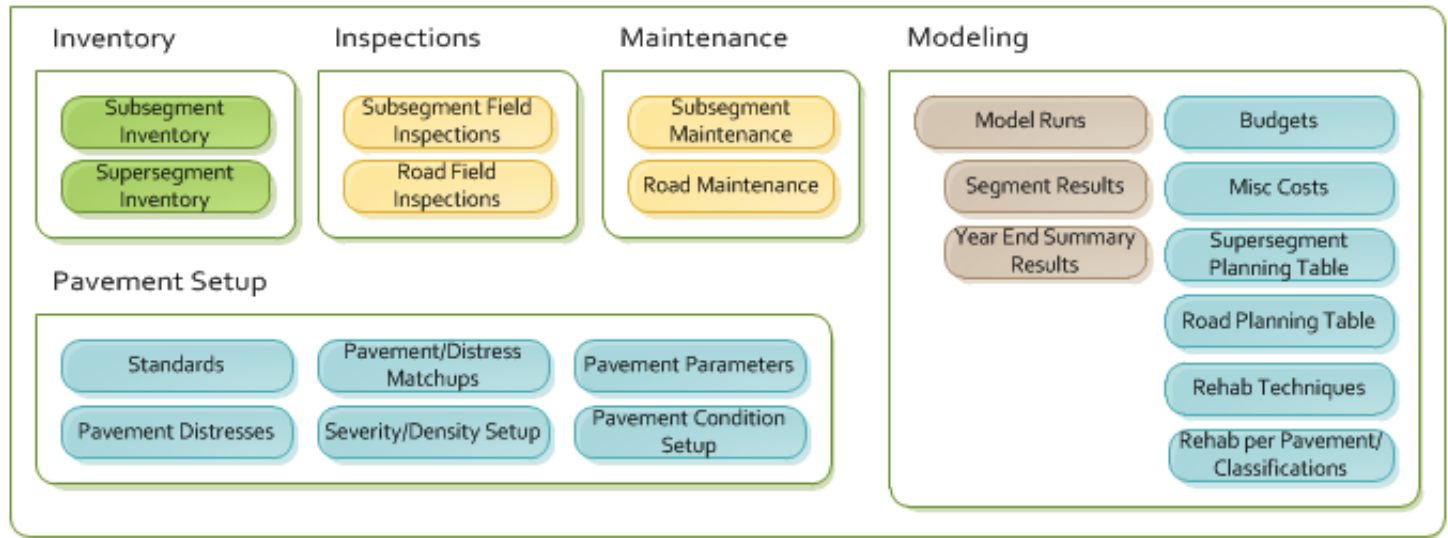
- + General
- + Environmental
- + Sewer
- + Storm
- + Environmental Compliance
- Transportation
  - + Street
  - + Road
  - + Bridge
  - + ITS
  - + Right-of-Way
  - + Sign
  - + Signal
  - + Street Light
  - + Components
  - + Pavement
  - + Traffic Volume
  - + Accidents
  - + Administration
- + Water
- + Electric
- + Tree/Park
- + Fleet
- + Plant/Equipment

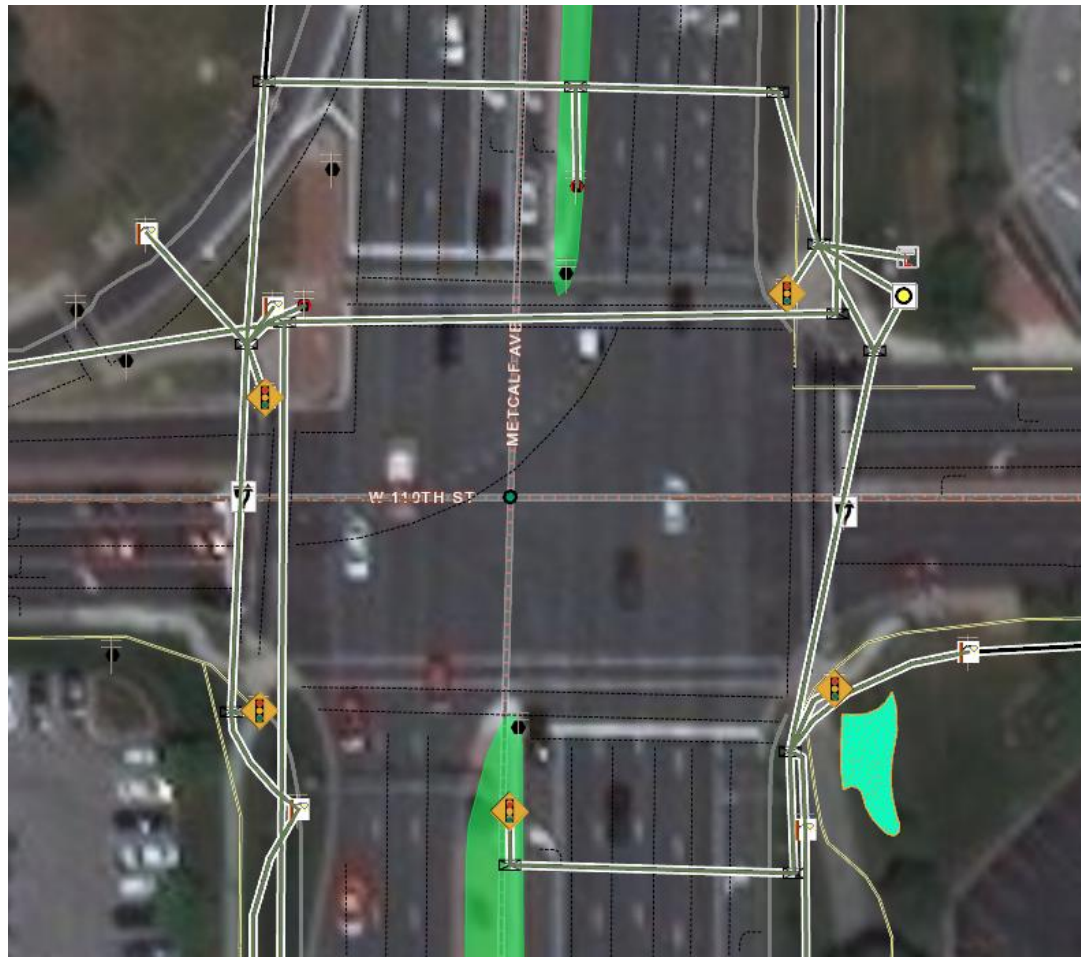
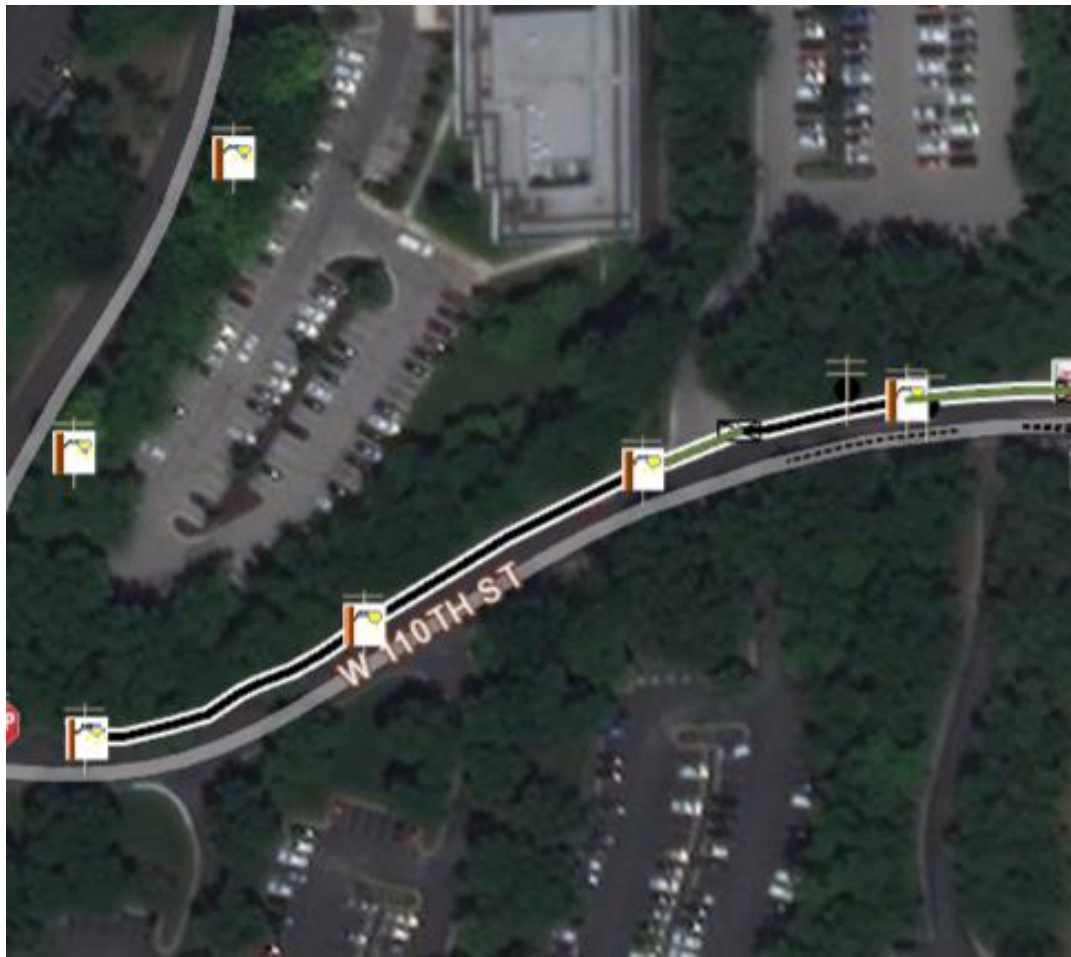
### Legend

- Inventory Module
- Inspection Module
- Setup Module
- Misc Module



## Pavement





Layers Legend

- Traffic
- Street Signals
  -
- Street Auxiliary Equipment
  -
- Street Cabinets
  -
- Right of Way
  - ROW Bus Stops
    -
  - ROW Curbs
    -
  - ROW Fences
    -
- Streets
  - Intersection Network
    -

## Considerations

Which features require data from other features?

Which features would benefit from having data pulled over from other features?

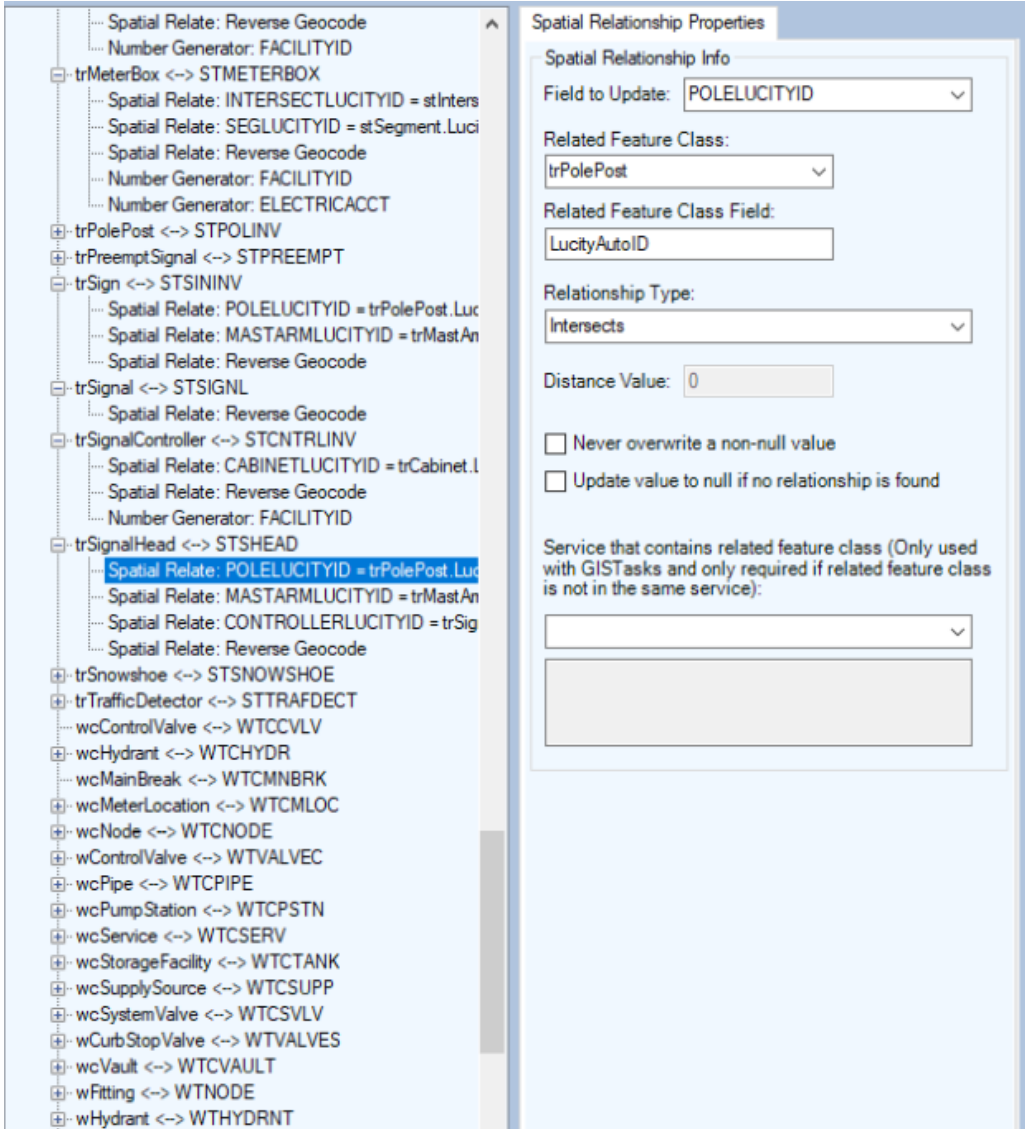
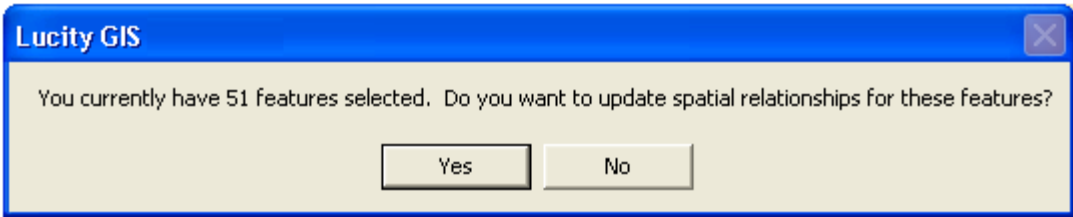
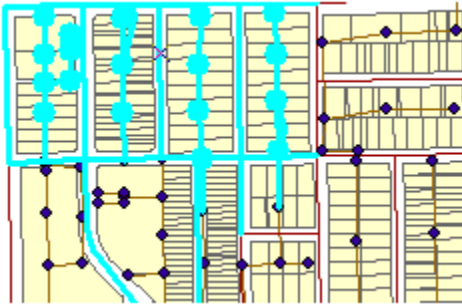
What is the relationship between these features?

## Built in Spatial Relationships for Streets:

Streets - Editing a Street Segment updates the To and From Node IDs.

Streets - The relationships between the cabling Mainlines and Conduits are managed by Lucity.

## Other Spatial Relationships: Infinite



## Types of Spatial Relationships

- From Intersect
- To Intersect
- Is Contained by
- Intersects
- To Intersect Distance
- From Intersect Distance
- Midpoint Intersect
- Force Related Feature to Self-Update
- Is Within Distance of
- Reverse Geocode



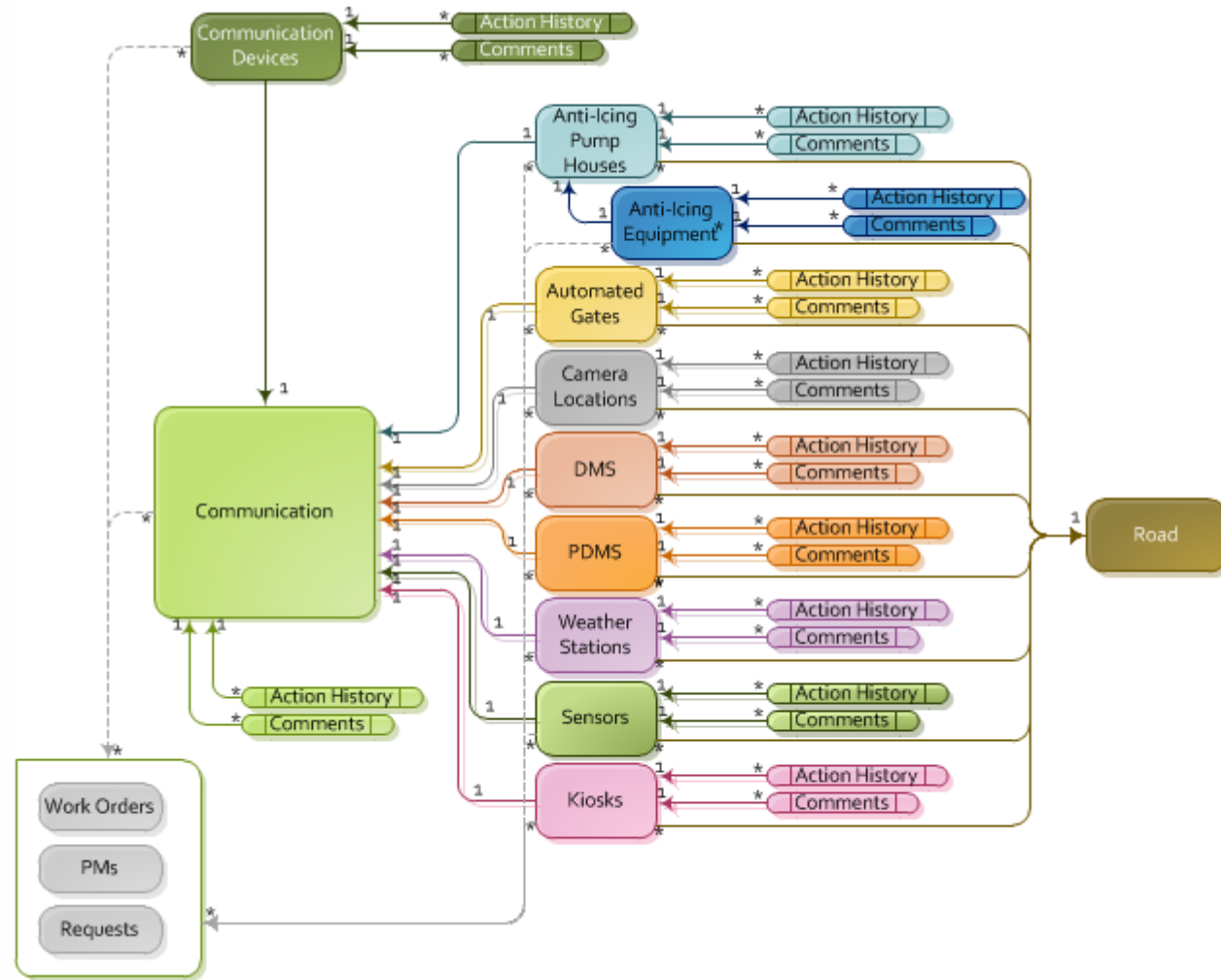
## Streets & Roads – Differences

		10001	2	KESSLER ST	EOP	W 95TH ST	28	Collector	25
		10011	2	EBY ST	W 95TH TER	W 97TH ST	963.7	Residential	25
		10012	2	EBY ST	W 97TH ST	W 97TH TER	889.4	Residential	25
		10013	2	EBY ST	W 97TH TER	W 98TH TER	315.2	Residential	25
		10014	2	EBY ST	W 98TH TER	GRANDVIEW ST	198	Residential	25

## Streets: Intersection-to-Intersection

		Road Number	Road Name	Beg Ref Post	End Ref Post
		178	S US69 HWY		
		23350	N US69 HWY		
		23351	W I435 HWY		
		358	E I435 HWY		

Roads: Mile-to-Mile



ITS, Bridges, Structures? Is anyone using those? Interested in seeing them?

Questions? Enhancement requests?