Fishbones for Fun and Profit

February 8, 2019
What?
• Analysis technique for validating address and road GIS data

Why?
• Preparation for NG9-1-1 and other enterprise applications

How?
• Illustrate where address points geocode in comparison to where they are located
Public Safety GIS Highlights

1. **9-1-1 Caller**
2. **9-1-1 Dispatch Center (PSAP)**
3. **First Responders**
4. **Addressing Authorities**
5. **GIS Data Provider**
6. **Public Safety Stakeholders**
Inputs

1. Point layer of site address points
   - Address attributes
   - Unique ID
   - X,Y fields

2. Line layer of road centerlines
   - Road attributes

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From-Address Left 100
From-Address Right 101
To-Address Left 198
To-Address Right 199
Inputs (continued)

3. Address Locator
Process

1. Export site address layer to table
2. Geocode table using Locator created in previous step
   • Add X,Y fields
3. Join geocoded table to site address layer based on Unique ID
   • Export table
4. Run XY To Line tool on this table
   • Draw lines from site address points to geocoded address points based on 2 sets of X,Y fields
Output: Fishbones
Reading the Bones: Odd/even issue between roads and addresses
Reading the Bones: Road range is flipped
Reading the bones: Addresses don’t geocode to the correct road segment
Reading the bones: ??
QUESTIONS?

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