NAVIGATING TRUST: USING GNSS IN ROW NEGOTIATIONS

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AGENDA





- 1) What is GNSS?
- 2) Using GNSS In the Field
- 3)See How it Works

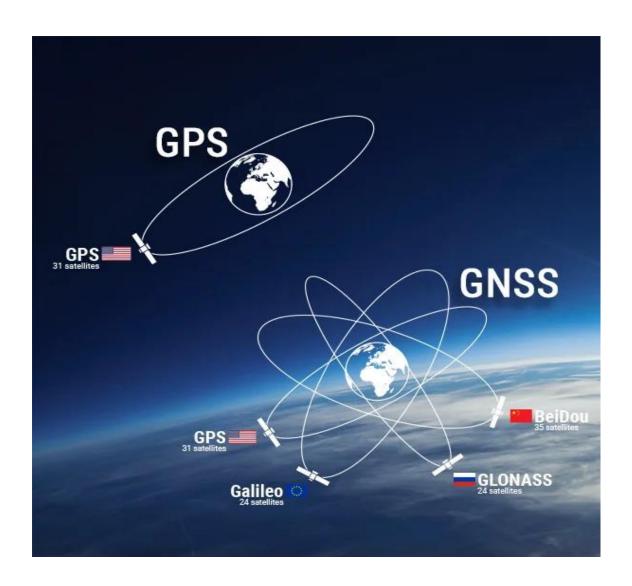
What is GNSS

- Global Navigational Satellite System
- Uses more satellites
- Up to centimeter accuracy





GPS vs. GNSS



- More satellites
- Higher precision

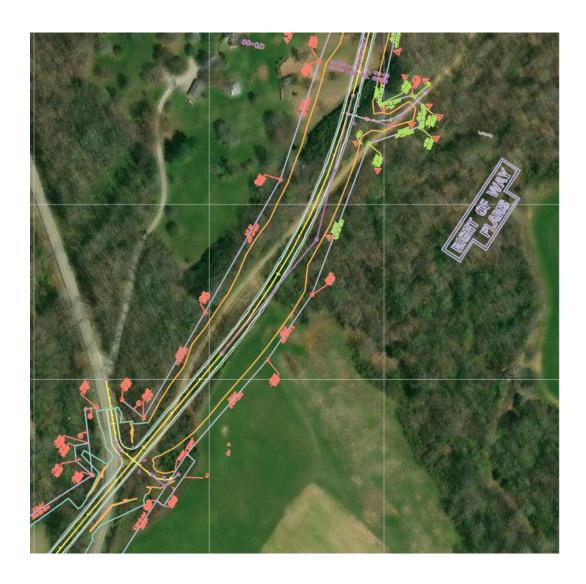


GPS vs. GNSS





From the Office to the Field



- Take maps and ROW plans in the field
- ArcGIS Field Maps
 - Based on KMZ
 - Maps can be downloaded for offline use
 - Can add data points



Benefits

- Property owner
 - Allows property owner to visualize impacts
 - Helps property owner understand the intended improvements to traffic flow and safety
 - Alleviates stress of the unknown
- KYTC & Consultant
 - Can help shorten negotiation time-period, reducing costs and wasted time
 - Reduces workload on surveying crews
 - Builds credibility with property owners







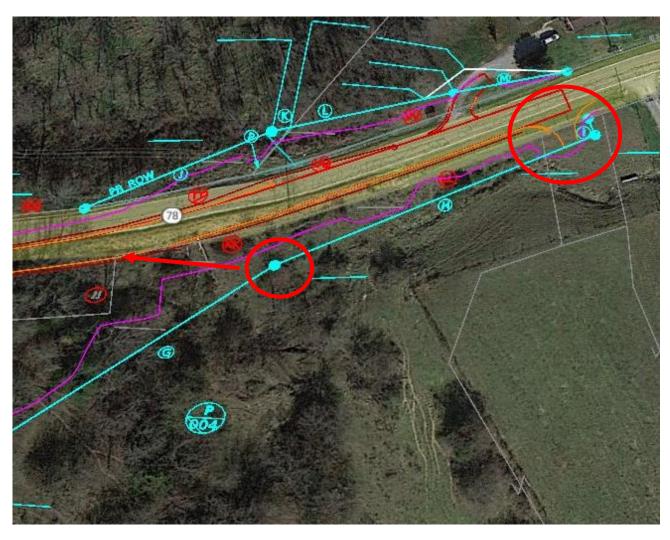
Cumberland County Bridge

- Walked fee simple and temporary easement
- Located creek access for design team
- "Helped understand the project"





Lincoln County Bridge

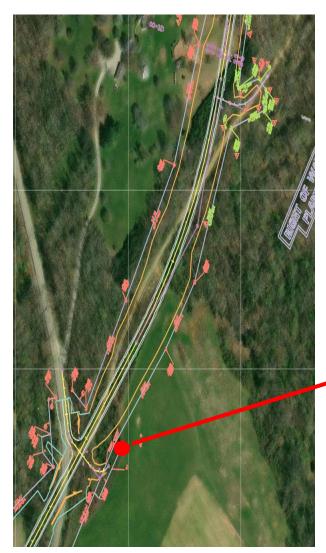


- Identified impacts early in negotiations
- Signed after two meetings
- Clarified surveying discrepancy



Metcalfe County US 68 Realignment

- Property owner wanted staking
- Walking with measuring wheel and plans not an option







Metcalfe County US 68 Realignment



- Walked property owner through plans
- Showed potential access sites
- "This is perfect, this is exactly what I wanted"



Other Applications

- Environmental Surveys
- Benefits to design







Seeing How it Works









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