Mobile Mapping for Public Works

GIS IS MAGIC
Overview

- Context
- Scope of Project
- Methodology
- Results
- Discussion
- Questions
City of Brookings
Public Works

- Limited Resources
- 5 Million Budget
- 2.5 Million CIP
- 5 Person Crew
GIS in Brookings

Techni-mana-lyst
Data collection

Public Works Department
Digitizing
Surveying

- $$$
- Time
- Resources
- Lots of money
Handheld GPS
Mobile Mapping

- +/- 4.5 cm accuracy*
- 360º Image Reference
- 3 mp images

3D Virtualization

*-ish. Only under the most optimal of conditions.
Data Collection

- **Stormwater**
  - 1297 point features
  - 18.5 Miles of pipeline

- **Sewer**
  - 857 point features
  - 43 Miles of pipeline

- **Streets**
  - 30 Miles of Sidewalks
  - 288 Street Lamps
  - 304 Fire Hydrants
Collection by the numbers

- > $15,000
- 8 hours of staff time
- 500 GB
- 100% City Owned Data
Discussion
Thank you.
Sources