Using Location-Intelligent Search to Maintain Stormwater Assets

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Agenda

• Fort Worth and Asset Management
• Integrating GIS with our Asset Management System
• Benefits of Integration
• Next Steps
Fort Worth is the 16th largest City in the US. From 2000-2006 we were the fastest growing large City in the US. Located in North Central Texas, the city is one of “America’s Most Livable Communities.”

- **POPULATION:** 780,000
- **GEOGRAPHY:** 350 square miles
Asset Management

Management
- Business Strategy
- Regulatory Strategy
- Organizational Design
- Performance Mgmt
- Process Design
- Resource Planning
- Decision Analysis
- Financial Risk

Engineering
- Planning
- Design
- Operations
- Maintenance
- Reliability
- Protection
- Equipment Health
- Technical Risk

Information
- System Architecture
- System Integration
- Business Intelligence
- Knowledge Mgmt
- Asset Registry
- EAM, CIS, GIS
- CMMS, SCM
- SCADA, OMS

Fort Worth
When and Why?

City released **RFQ for Asset Inventory Project**

**Asset Inventory Project started**

2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014

**RFP for Work Order Asset Management System**

Began **Accela Asset Management System Implementation**

**Asset Inventory Project Completed**

**Accela Phase 1 Go-Live**

**Accela Phase 2 Go-Live**
Integrating Accela & GIS

Accela Automation
Accela Mobile Office
Accela Citizen Access

Accela GIS

ArcGIS Server
ArcGIS Online
Bing Maps
System Infrastructure

Staff using Internet Explorer

DMZ

Accela Automation

ArcGIS Server Map Service(s)

Accela Mobile

Accela GIS

Bing Maps

ArcGIS Online

Field staff using Accela Mobile
Integrating GIS and Accela
Integrating GIS and Accela

Dynamic Themes
Integrating GIS and Accela

Editing Capabilities
Integrating GIS and Accela Nearby Functionality
Integrating GIS with Accela

Addresses vs Assets
Integrating GIS and Accela Mobile
Overall Program Benefits

• Better Data Accuracy
• Only Backlog is work that needs to be done
• Data collected on SWM Assets vs Addresses
• New Data collected that previously was not
• Work Orders, GIS, and attached documents and images available to staff from the field
Looking Ahead

AVL Integration
Looking Ahead – Mobile Options

Mobile
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