GIS as a Management Tool: City Perspective

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Presentation to Purdue Road School

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Dave Mockert, GIS Administrator
Gary Vandegriff, DPW Administrator
John Burkhardt, DPW Administrator
Agenda

- Geographic Information System (GIS) Overview
- History of GIS in Indianapolis
- Current activities at Indy GIS
- GIS in Permitting - Digital Plan Submissions
Geographic Information Systems (GIS)

Overview

- Spatial location of information
- Hardware, software, and system
- Data
- Applications
- People
Enterprise Solution

- 30 City departments and County agencies supported
- 160 Layers of information
- 503 City/County GIS Desktop Users
- Making it easy
- Goal is to improve business processes
- Web interface
Economic Incentive

GIS Cost/Benefit

Costs ( Millions )

Time (Years)

- Cost with GIS
- Normal Operations Cost
Technical Advantage

- Decrease cost of sharing information within enterprise
  - Data Viewer
- Tools for reducing time for inventory of data
  - ADA Ramp Inventory
GIS Data Viewer
ADA Ramp Inventory
Operations Applications

- Interface with Hansen IMS
- Create and manage work orders
- Assist in data collection and field crew operations
- Increased efficiencies of work crews
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**Project No.:** 1201105429

**Asset:** GRP

**Address:**

**Initiated:**

**Scheduled:**

**Due:**

**Initiated by:**

**Service No.:** 93977

**Budget:**

**Stated:**

**Completed:**

**Comp By:**

**Hours:**

**Assigned:**

**Crew:**
SnowFighter

Snow Fighter
City of Indianapolis
SnowFighter
Permitting Process Issues

Indianapolis Objectives

- Improve service to public
- Attract investment
- Build better neighborhoods
- Leverage technology to solve business problems
GIS in Permitting Process

- Move to a digital permitting environment
- Integrated database on compatible platforms
- Integration of GIS into permitting process
- GIS as address data source
PERMITTING DESKTOP
Integrated Permitting
Digital Plan Submissions

- Digital As-Builts Provided by Contractors and Engineers
Serving it up to the Public - Web Applications

- Web Data Viewer
- Property Viewer
- Polling Place Locator
- Government Profile
- IndyGo Bus Routes
Web Viewer

WWW.indygov.org/gis/
Future of GIS

- Web-based GIS
- Interactive and integrated solutions
- Data sharing, satellites, and mobile operations
- Object oriented/Open environment
Concluding Statements

- GIS is more than a mapping tool
- Interfacing with existing data
- Reduction of paper
- More efficient workflows
- Solving business problems
Questions?