Using and Creating a MapObjects Interface for a LIS Data Module

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Introduction:

- City's GIS Background
- Overview of LIS and GIS interface components
- Why, When, and How many?
- Technical Difficulties with MapObjects Development
- Questions?

City's GIS Background

- **CAD Creation: Microstation**
- **GIS Creation: ArcInfo, MGE**
- **GIS Analysis: ArcView, MapInfo**
- **GIS Viewing: ArcView, MapObjects, IMS**
- **GIS Programming: AML, Avenue, Visual Basic MapObjects**
- **GIS Database: Oracle, Access**

Overview of LIS and GIS interface components

KIVA/LIS System

- Oracle Based.
- Primary engine is Land Base LIS.
- Tracks all permits, licenses, and parcel information.
- ROW is parceled for Permit tracking.

Overview of LIS and GIS interface components

GIS Interface

–Visual Basic Application

– Call by KIVA using a Batch File

– Passes Parcel ID Number using DDE to Applications

– Opens MapObjects and/or ArcView customized map viewers

– Checks if application is already open, if so passes PIN

Overview of LIS and GIS interface components

GIS Application

- ESRI MapObjects 1.2
  Visual Basic 6.0, SP3.0
- Uses Shape files, Coverages
- Retrieve data from Oracle
- Map Viewer with Query functionality
- User-friendly windows environment
- Don’t have to be an expert GIS Analyst to use

Why, When, and How many?

- Why this MO Application was developed?
  - Reasons for development
  - Driving forces behind development
- When development started and first deployment?
  - Time Spent in development
  - Some Development background
- How many Users?
  - Departments Using this Application
  - Type of Users

Technical Difficulties with MapObjects Development

- Trouble with Labels
  - Labelrendering
  - Placing random labels
  - Making it look good at different map scales
- Seamless mapping with tiled orthos
- Data Connections to Oracle, Access
- Deployment using VB 6.0 wizard

Questions?

How many of you -

– are implementing a LIS/Permit Tracking system?

– are creating MapObjects Application to view mapping data?

– are having trouble and finding limited documentation?

– etc...