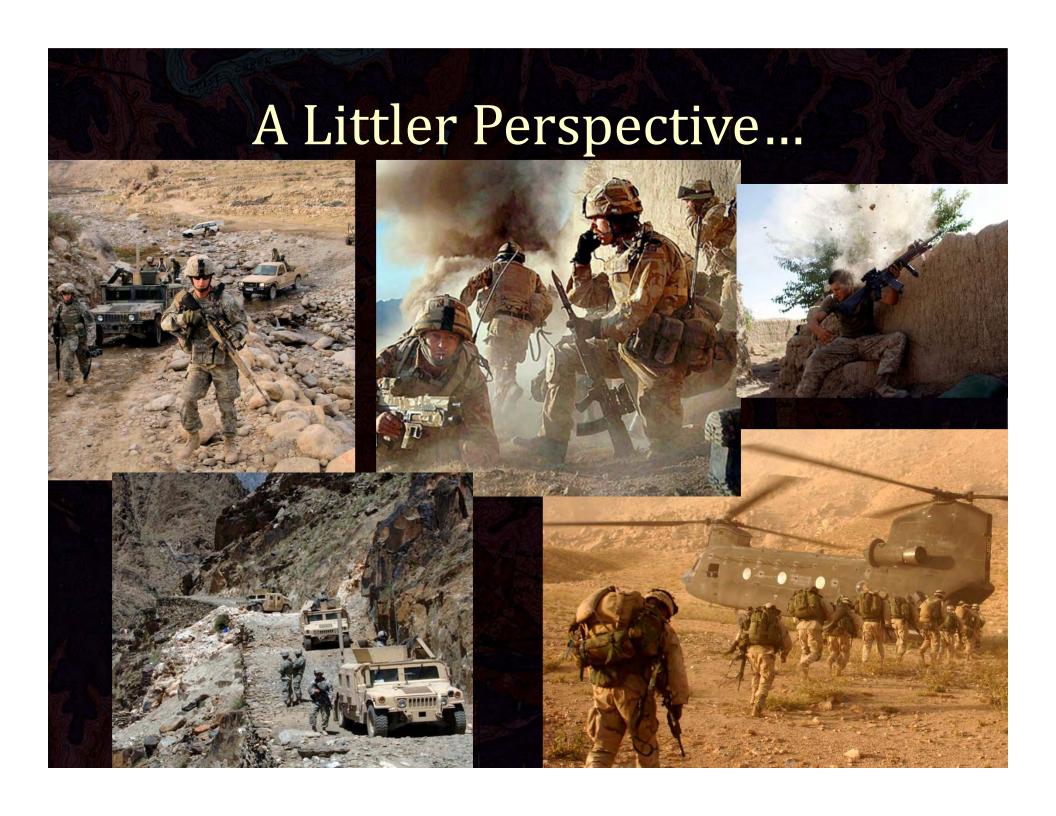




"Do more with less..."

"Work smarter..."

Furloughs...



We choose to be public servants...?

- "Be the change that you want to see in the world."
 - Mohandas Gandhi
- "A small group of thoughtful people could change the world. Indeed, it's the only thing that ever has."
 - Margaret Mead

Reflecting On "Where We Are..."



And Where we are headed with GIS.

The Cabinet's Business Cycle **Project EATS** Wise HIS **Transportation RWUMS Enterprise Database GIS Transport OMS** SYP RELOCATIONS MAINTENANCE LONG-RANGE CONSTRUCTION

KYTC Agencies We Support Today

State Highway Engineer's Office

Program Management

Environmental

Analysis

Planning

Transportation Systems

Data Management

> Modal Programs

Highway Design

Tech Support

Estimating Branch

Developmen

Drainage Section

Location Section

Structural Design

Bridge Design Branch

> Geotech Branch

Construction

Bridge Preservation Branch

Maintenance

Roadside

Operations & Pavement Branch

Permits Branch Traffic

Environment Branch Aviation

Rural and Secondary Roads

Special Programs

Districts 1 - 12

Traffic
Operations
Center



Highway Safety

How we are contributing...

- New Foundation Technology
 - ArcGIS 10
 - SDE
 - ProjectWise/MicroStation
- Data Collection & Analysis
 - Environmental/Facilities
 - MRP
 - Asphalt Contract Analysis
- Viewing/Decision Making
 - Bridge View
 - Photo Log Viewer
- Future Directions...

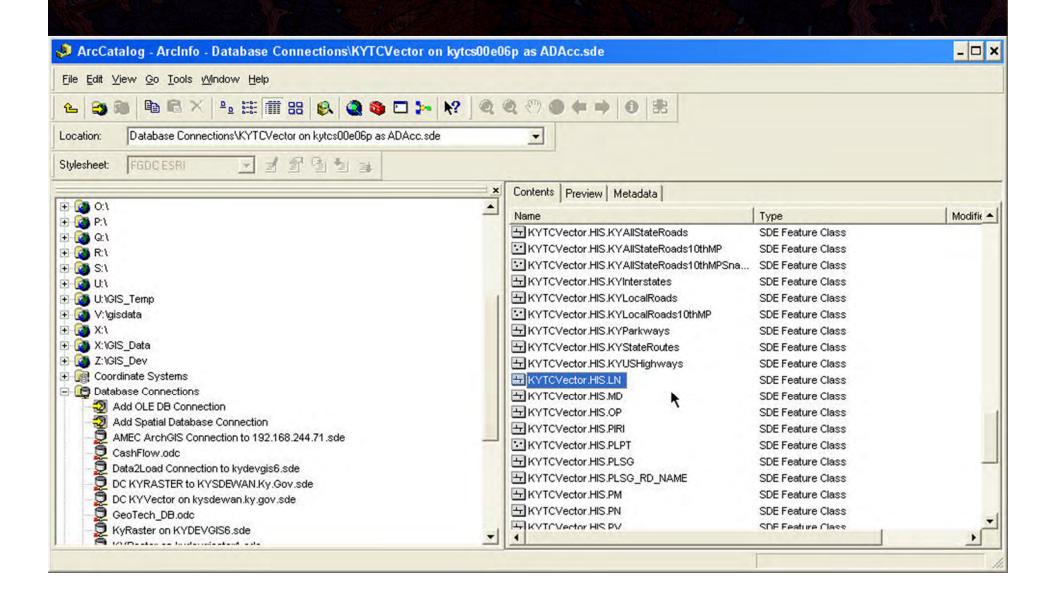


ArcGIS 10 is coming...

- Improved display performance
- Improved workflow
- New analysis methods
 - Location-allocation
 - Time
 - -3D

• Later this fall...

SDE/SQL Server...



SDE...

Easier sharing between CADD & GIS

More data will be available

Multi-user editing

Better maintenance & performance

Integrates Field GIS & Desktop

Reviewing Attributes in Bentley Map

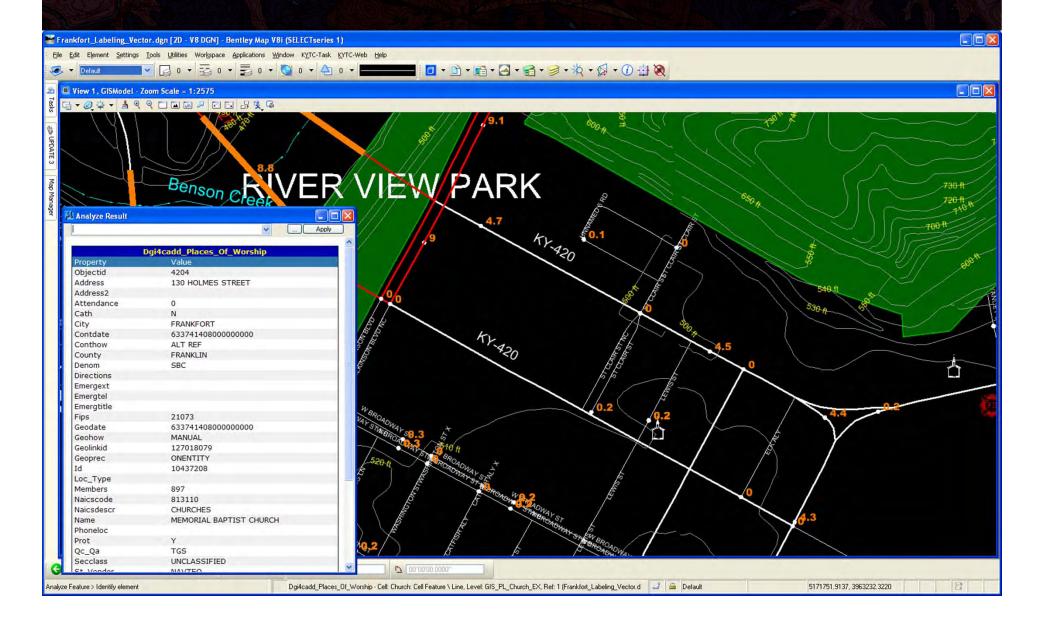
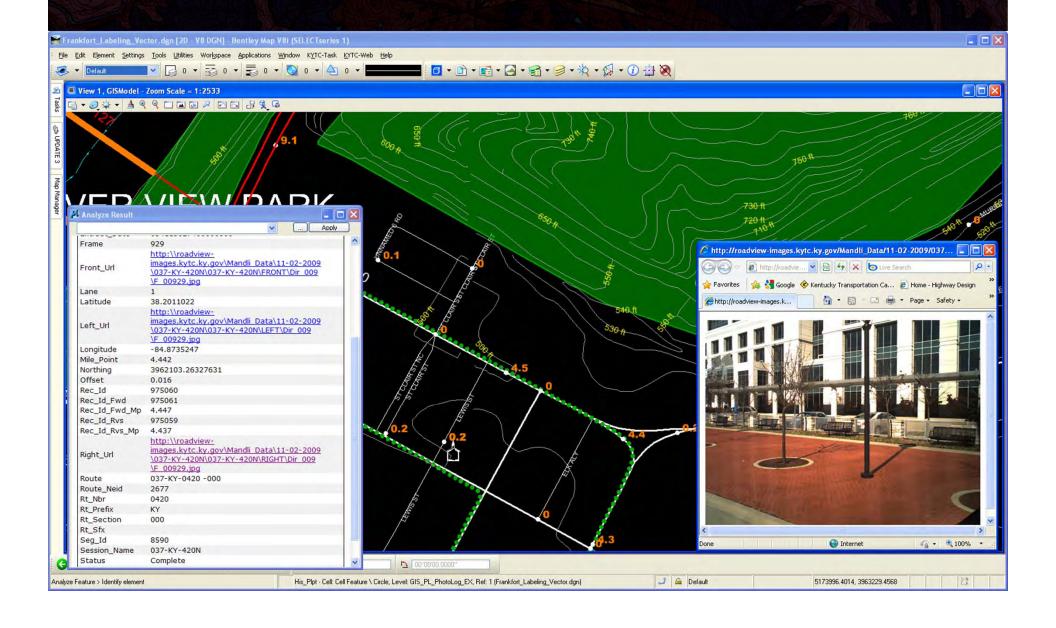
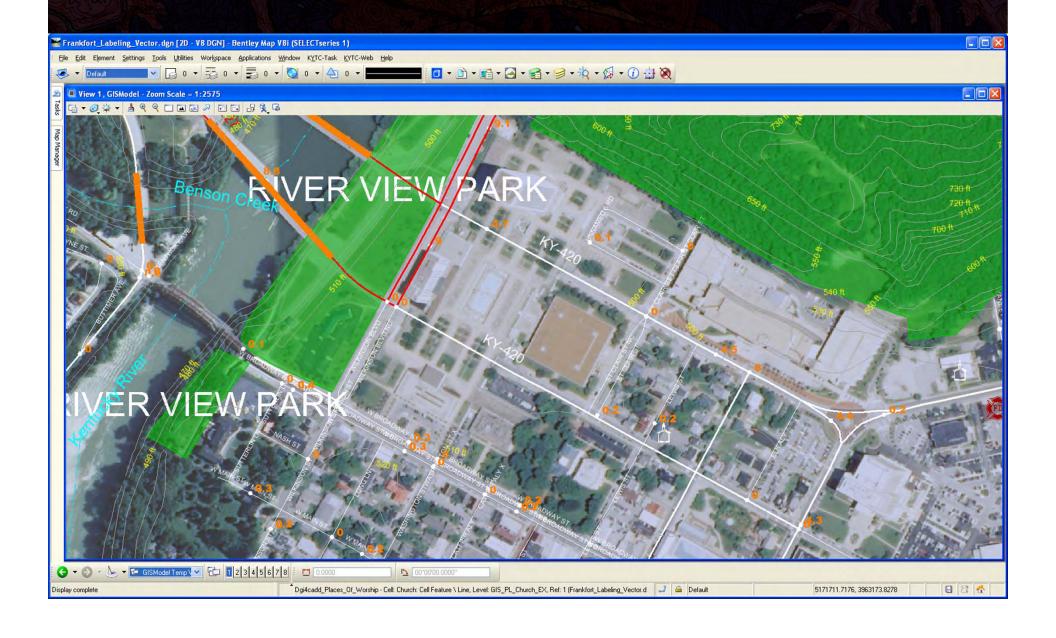
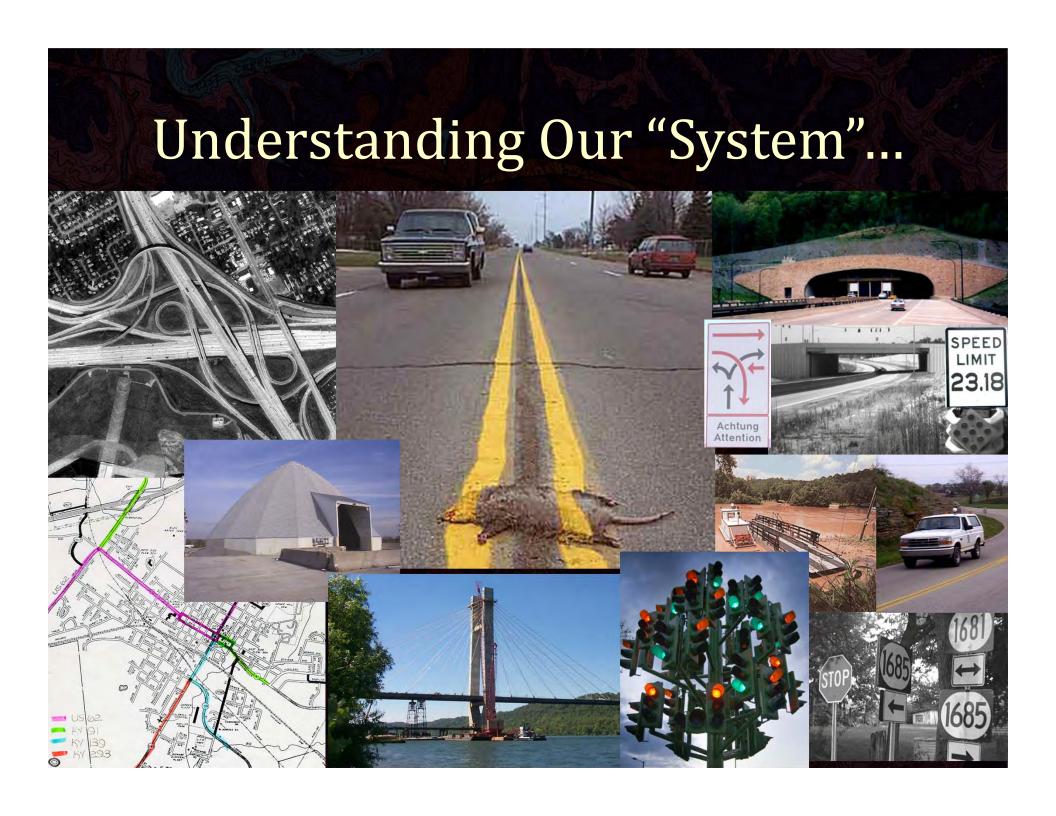


Photo Log Can Be Embedded



You can also Extract Raster Data







• Environmental/Facilities

MRP

Asphalt Contract Analysis

Facilities Management and Environmental Compliance Inventory





Mobile Application: Maintenance Rating Program Pavement Inventory



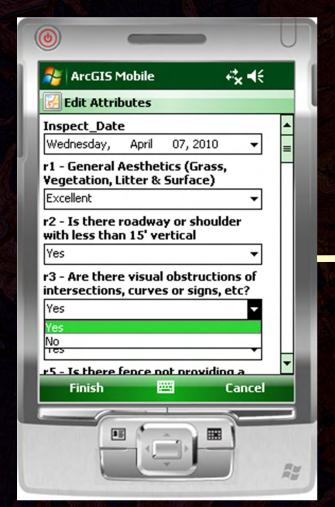




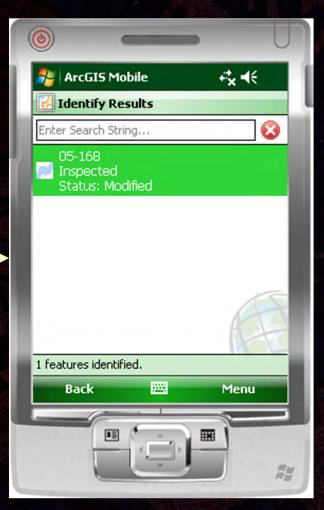
Identify Section



Mobile Application: Maintenance Rating Program Pavement Inventory



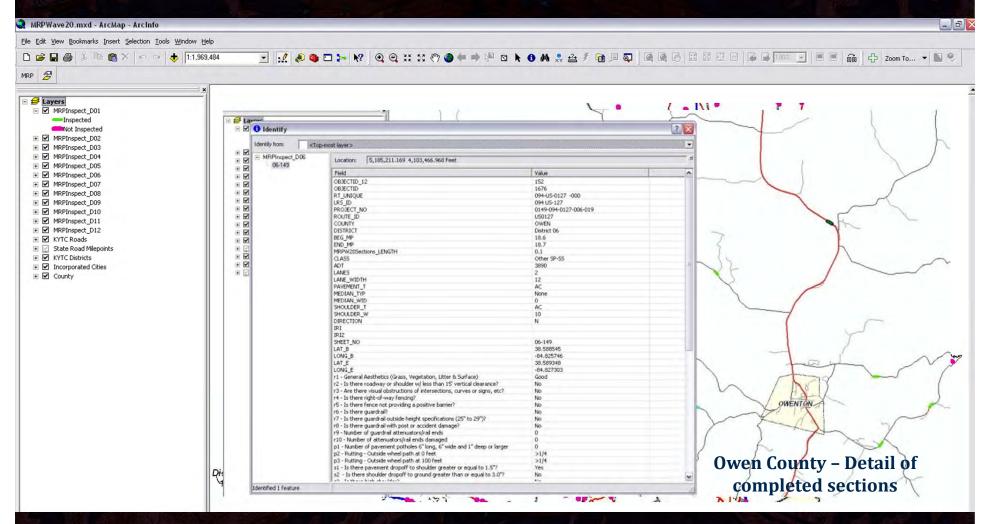
Inspecting and updating the Attribute information

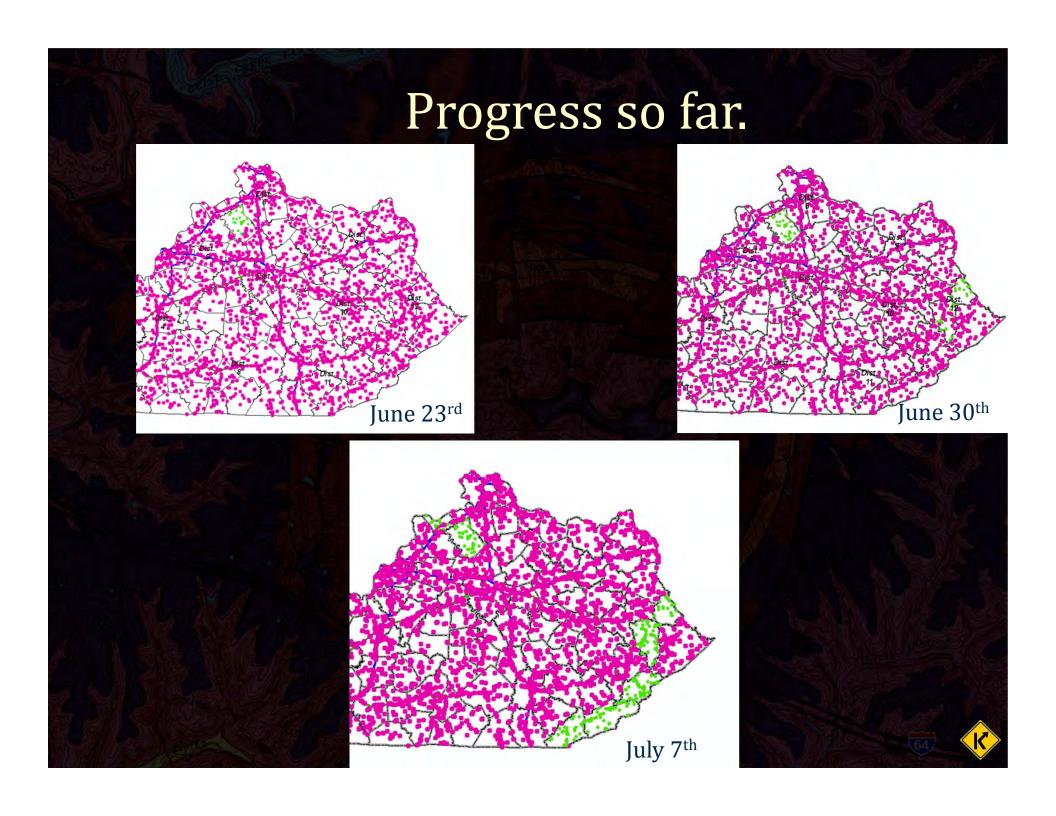


Finalized Inspection



Mobile GIS: Maintenance Rating Program Districts 6, 8 & 12 have mobile GIS units





The Mobile Future

- Many more integrated applications.
 - Mobile elements post into larger systems (OMS, RCI, PERKS...)
- Yes... there is an (ESRI) I-Phone App for that.





- KY View KYTC Layout Sheet Map Generator
 - http://maps.kytc.ky.gov/kyview/
- Photo Log Viewer

Bridge Viewer

Future Web Development

- Embed spatial elements into all IT applications (where appropriate).
 - Maps
 - Tabular "answers"
 - What is near?
 - Is it in?
 - What touches?
 - What is the route description (County Route Milepoint).

Training/Customer Support

Video streaming of classes

Remote live training & "application sharing"

 Continuing the KYTC Transportation GIS Conference.

