Providing Parcel Mapping to the Public Over the Internet

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Johnson County, KS

Automated Information Mapping Systems

Goal

- Create plot plan to respond to customer requests
- Plot plans used for property notifications, permitting for improvements and variances, property delineation, real estate advertising, and general information.

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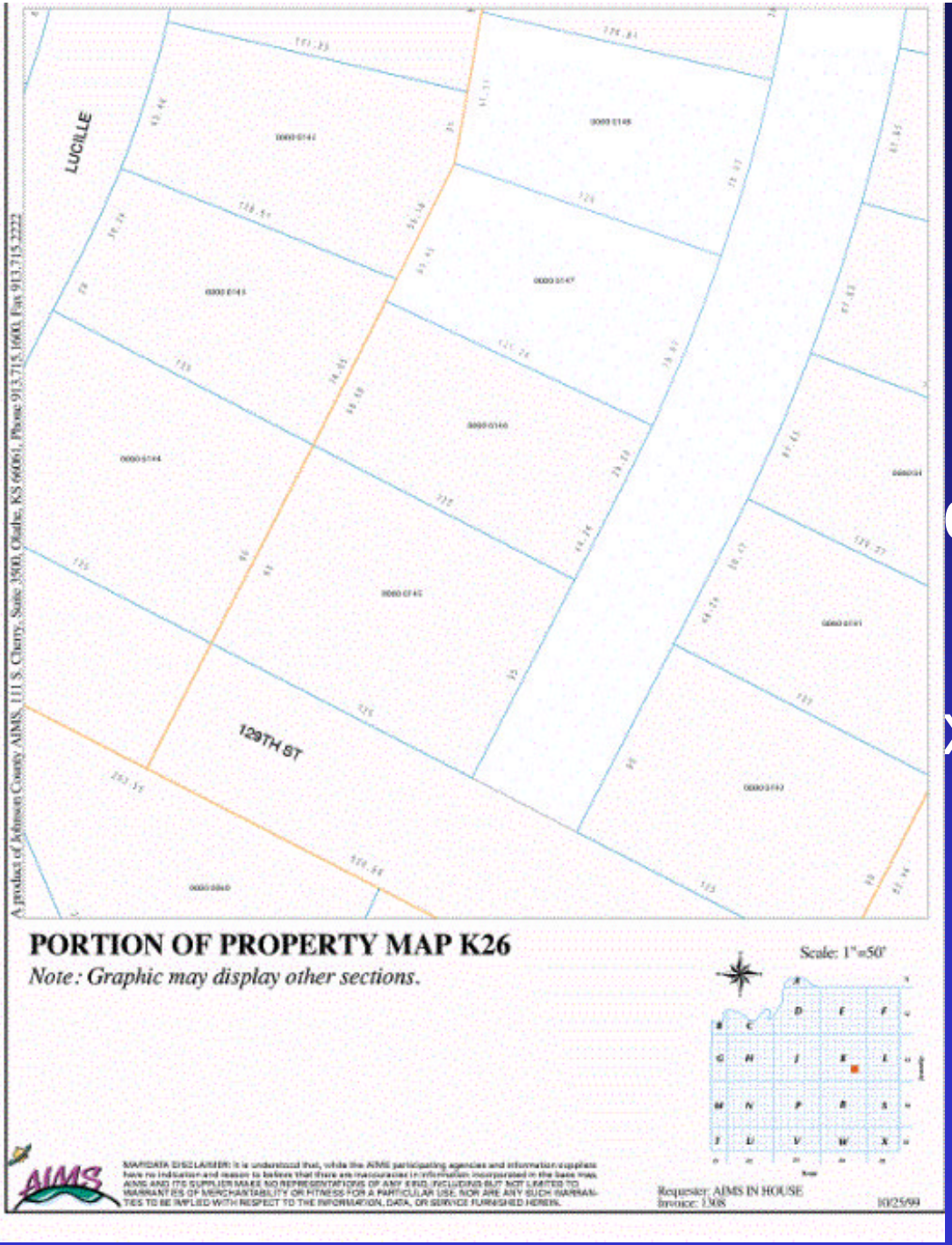


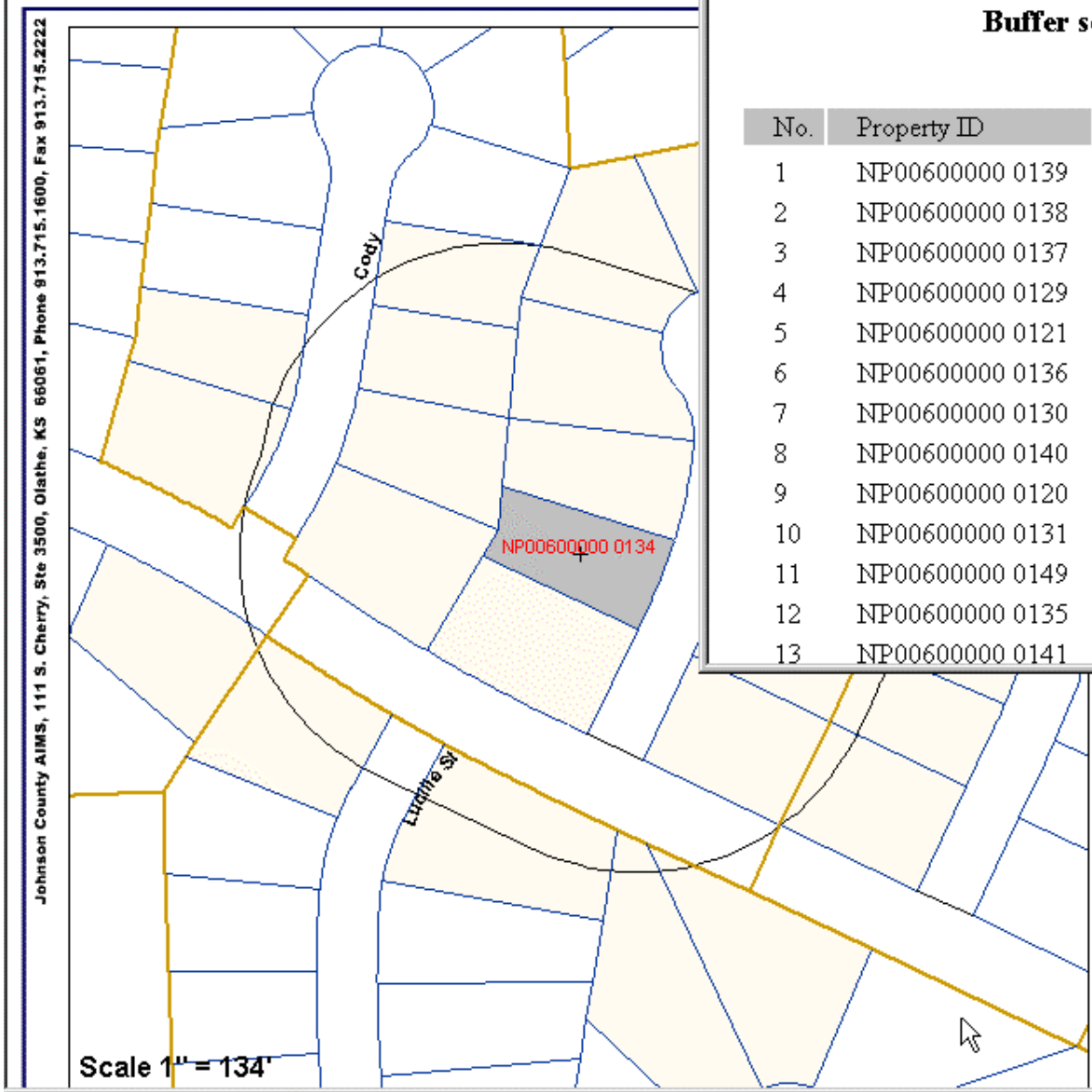
Result

- Move mapping to the public
- Internet plot plan turn around time less than 5 minutes
- No counter time spent with customer.
- Application development time about one week.
- Use on-line form to process request.

Property Maps - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites



Property Buffer Information - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Results of 200 foot buffer on property NP00600000 0134

Buffer search returned 28 properties

No.	Property ID	Address	City, State, Zip
1	NP00600000 0139	12807 LUCILLE ST	Overland Park, KS 66213
2	NP00600000 0138	12806 LUCILLE ST	Overland Park, KS 66213
3	NP00600000 0137	12810 LUCILLE ST	Overland Park, KS 66213
4	NP00600000 0129	12813 CODY ST	Overland Park, KS 66213
5	NP00600000 0121	12816 CODY ST	Overland Park, KS 66213
6	NP00600000 0136	12814 LUCILLE ST	Overland Park, KS 66213
7	NP00600000 0130	12817 CODY ST	Overland Park, KS 66213
8	NP00600000 0140	12811 LUCILLE ST	Overland Park, KS 66213
9	NP00600000 0120	12820 CODY ST	Overland Park, KS 66213
10	NP00600000 0131	12821 CODY ST	Overland Park, KS 66213
11	NP00600000 0149	12866 BOND ST	Overland Park, KS 66213
12	NP00600000 0135	12818 LUCILLE ST	Overland Park, KS 66213
13	NP00600000 0141	12815 LUCILLE ST	Overland Park, KS 66213

Done

Local intranet

Start | Inbox - Microsoft Outlook | Property Maps - Microsoft I... | SnagIt/32 | Property Buffer Infor... | 4:23 PM

Design Tools

- Software
  - MO, MO IMS, VB6, Irfanview
- Languages
  - VB, HTML, JavaScript

Process Request

- Using an HTML form the following information is gathered and processed
  - Locate property
  - Add features (checkboxes)
  - Control Scale
  - Do Buffer Process

Specifics

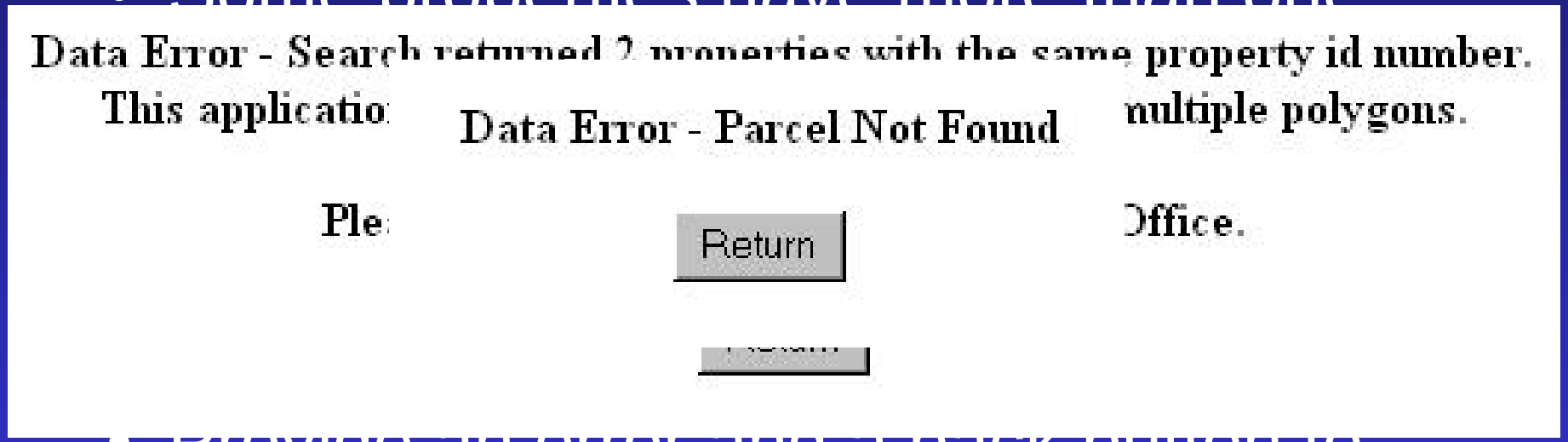
- Reset Values
- Prop Not Found / Multiple Parcels
- BMP2GIF w/ image
- Buffer and List
- Background images in HTML
- Stream Images

Resetting Values

- App. must remain stateless
- All values reset with each pass and all variables contained in URL
- Images are streamed instead of copied to shared directory.
- Prevents multi-user errors and allows app. to use multiple passes.

Prop Not Found or Multiples

- Some properties have more than one



- Provide an error and a back button to return to data form.

Code for “Back Button”

```
notFound = "<html><body><form><center

notFound = notFound & “Data Error - You did not enter an address
    or parcel ID in the boxes”

notFound = notFound & "<input type=button value=Return to Plot
    Plan Page onClick=history.back()>"

notFound = notFound & "</font></center></form></body></html>“

Exit Sub
```

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Code for Converting Images

```
If arguments.Find("showAerial") >= 0 Then
    Map1.ExportMap moExportEMF, emffile, 1
    Shell “i_view32.exe " & emffile & " /convert=" & jpgfile
Else
    Map1.ExportMap moExportBMP, bmpfile, 1
    WebLink.BMP2GIF bmpfile, 1
End If
```

Create Buffer and List

- Enable ability to select by distances.
- MO 2.0 has ability to create a shape from buffer. Draws the buffer limits
- HTML document is created on the fly for buffer list.
- JavaScript creates new window and opens html file.

Buffer and List Code

```
winstr = "http://ims.jocoks.com/temp/" & bufferFile

WebLink.WriteString "<Script Language=""JavaScript""">"

WebLink.WriteString "function openWindow() {window.open(“ & winstr & ",
        ""propList"", ""menubar=yes, scrollbars=yes, status=no, width=690,
        height=400, resizable=yes, left=325, top=75 toolbars=0,
titlebar=0"")}"

WebLink.WriteString "</script>"
```

Stream Images

- Ability to serve through firewall
- Scaleable
- Stateless
- Reliable

Johnson County AIMS, 111 S. Cherry, Ste 3500, Olathe, KS 66061, Phone 913.715.1600, Fax 913.715.2222

Next Phase

- Download text file / mail merge file
- Always building a better machine
- Resolve administrative issues revolving around loss of revenue

- Questions???

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