

City of Fort Collins

GIS in a Mobile World

Supporting our Users

2013 ESRI User Conference

Presented By: Marcus Bodig, GISP

City of Fort Collins GIS

- City Geographic Information Systems (GIS)
 - Started by Engineering and Planning, now in IT
 - Do some of everything
 - Staff of four
 - Marcus Bodig, GISP
 - Tim Morales, GISP
 - Doug Cain
 - Todd Reidenbach



Smartphone / Mobile Shift

- A few years back 'Apps' became all the rage
 - Management wanted
 - Marketing
 - High Tech Community
- Issues with App Development
 - Too many
 - Programming languages
 - Devices
 - Need to support all



Why is Mobile Important?

- Over the last few years, the use of mobile devices has steadily increased and now represents over 27% of the total traffic to the city's site
- By 2015 the majority of traffic over the Internet will be from mobile devices



ESRI ArcGIS App

- Available for Smartphones
 - iOS
 - Version 3.1.2 and above
 - iPhone, iPad, iPod Touch
 - Android
 - Version 2.2 (Froyo) or Greater
 - Windows Phone
 - Version 7.0 or above



ESRI ArcGIS App Local Integration

- Configured to use local ArcGIS Server
 - Version 10 required



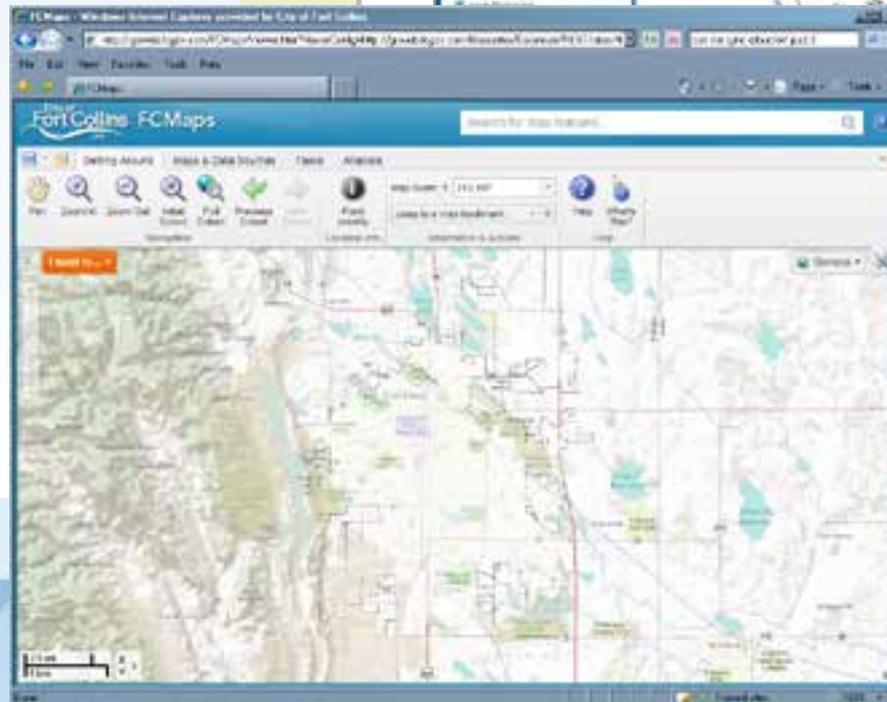
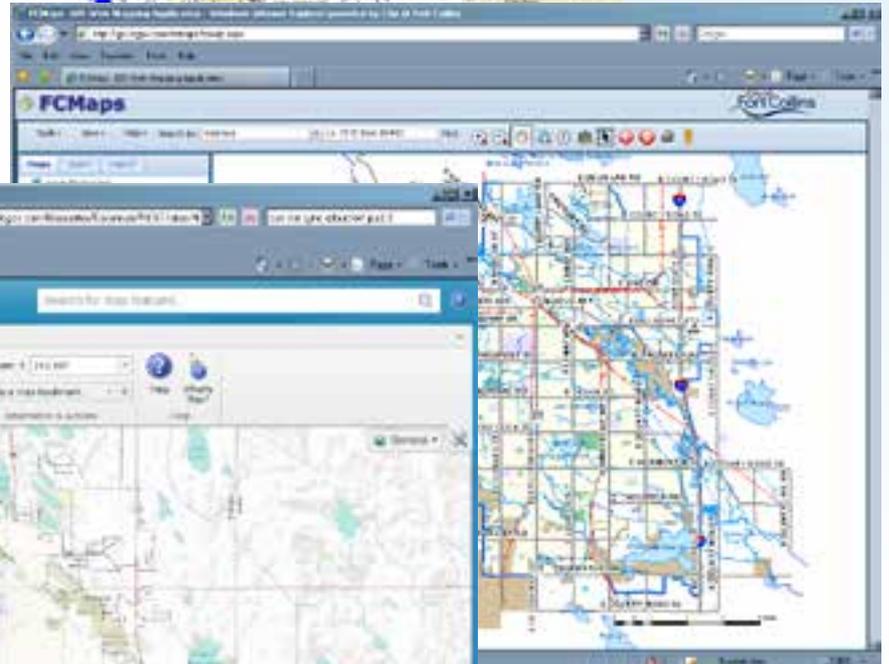
ESRI ArcGIS App Map Selection

- Easy to select desired maps.



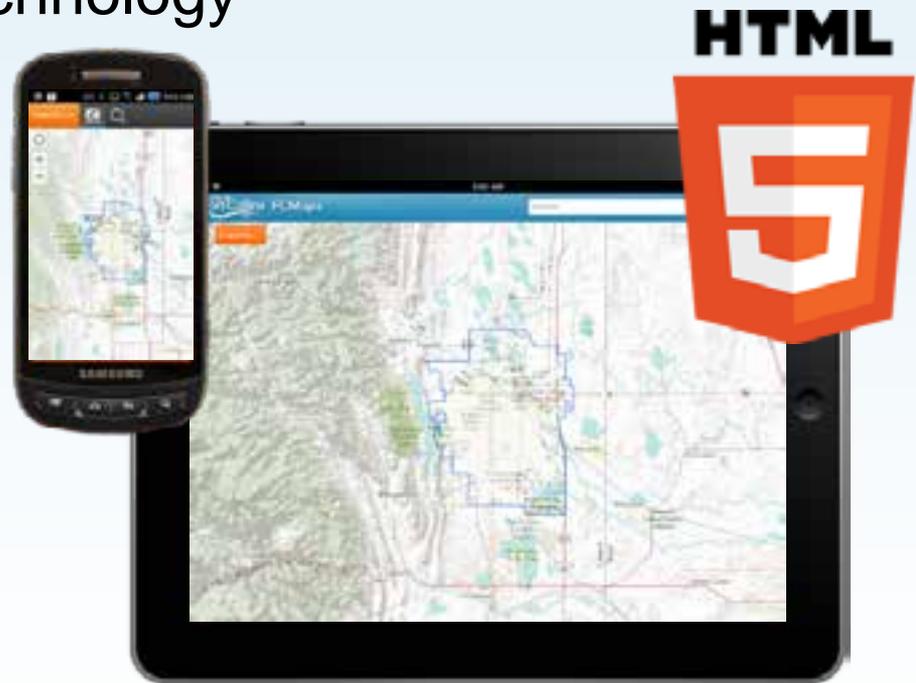
City of Fort Collins Internet Mapping through the Years

- MOIMS
- ArcIMS
- WebADF
- Silverlight



Mobile Solution

- Solution needed for Mobile Devices
 - Uses HTML5 Technology
 - iPad
 - iPhone
 - Android
 - Windows



Auto Redirect

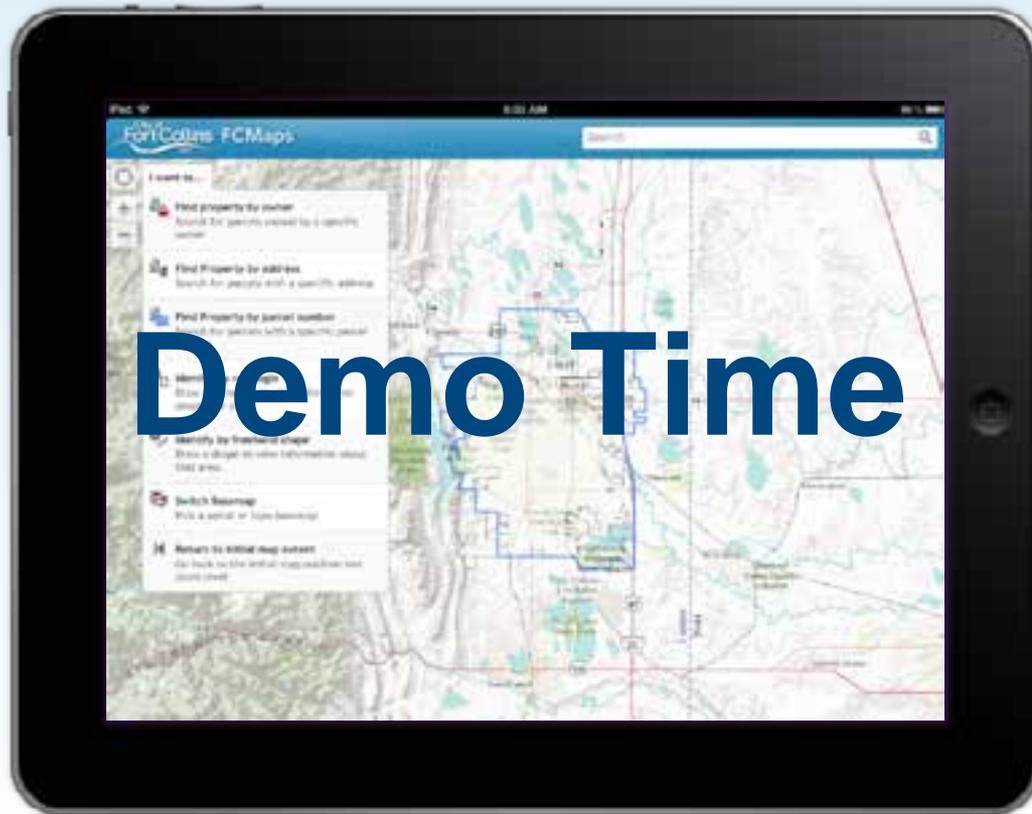
- Redirect page developed using C#.ul>- Using MobileESP
- Detects mobile devices
 - Desktop routed to Silverlight
 - Mobile routed to map selection page
 - Detects tablets vs phones
 - Routed to appropriate site



HTML5 Viewer

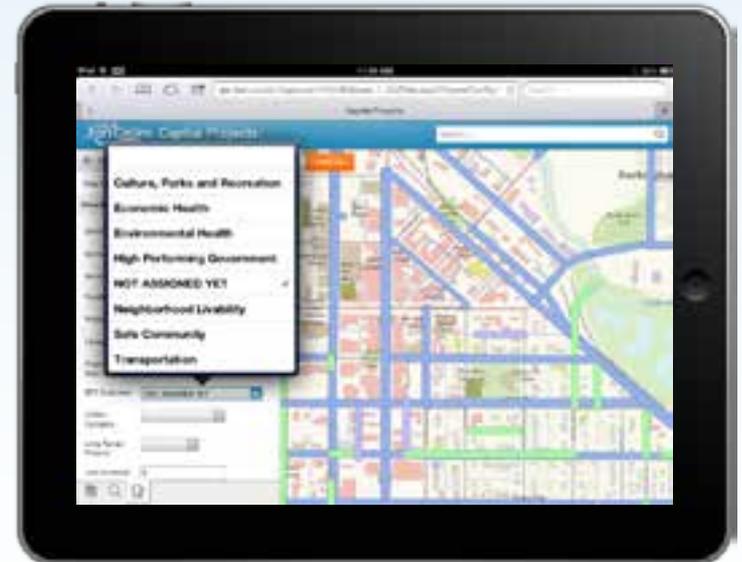
- Simple
 - Basic commands
 - Zoom, Pan
 - Geolocate
 - Search
 - Identify
 - Layer Control
 - Workflows
 - Custom





HTML5 Future

- Viewer version 1.2.1
- Using ESRI's JavaScript API version 3.3
 - Currently in testing
 - Ability to view/edit offline
 - Coded value domains
 - Relationship classes



Questions/Thoughts



Thank You



Marcus Bodig, GISP
GIS Manager

mbodig@fcgov.com

970.416.2050 Work

970.221.6329 Fax