

# City of Fort Collins

## Solutions using Freeance Mobile

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# City Background

- A mid-size municipality in Northern Colorado
- Situated at the base of the Rocky Mountains
- Also situated on the Cache La Poudre river
- Population of approximately 135,000
- Check us out at [www.fcgov.com](http://www.fcgov.com)



# Real-Time Data

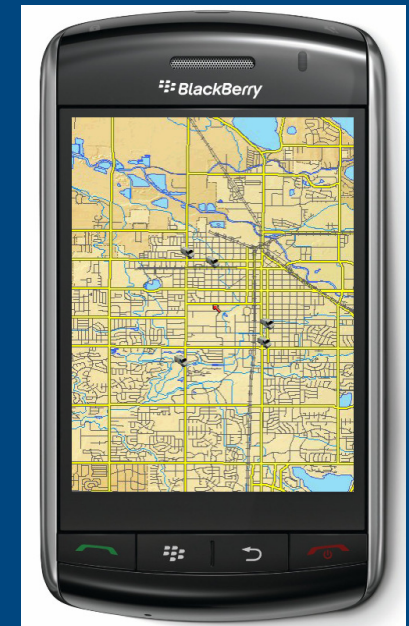
- Need for real-time mapping information
  - Timely decisions based upon current data
  - Visually see the data on the maps
- Why Freeance Mobile?
  - Meets need for mobile solution
  - Make use of existing BlackBerrys
  - Make use of ArcGIS Server Services

# Fleet Management Background

- Practical need to know
  - Where equipment is
  - Where it has been
  - Are plow blades up or down
- AVL system implemented for fleet management staff
  - Worked only in office
  - Wanted mobile solution

# Fleet Management

- All vehicles equipped with GPS
- Data streamed to home facility
  - Including blade up or down
- Processed and written to Oracle table
  - WGS84 coordinates
- Add XY data from Oracle table in MXD
- Published as ArcGIS Service
- Service consumed by Freeance Mobile
- Shows real-time vehicle locations on every refresh
- Saves \$\$\$ by utilizing existing equipment

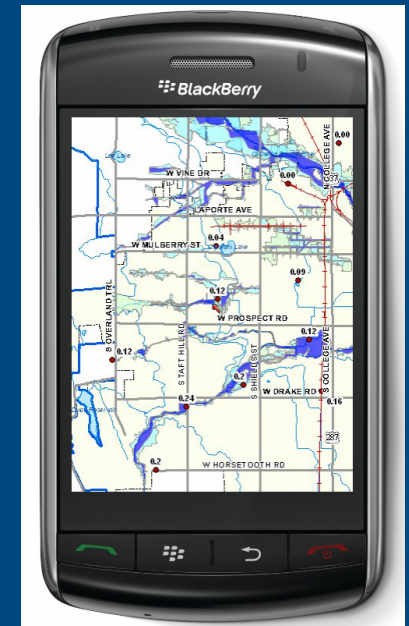


# Flood Warning System Background

- City suffered devastating flood July 28, 1997
- Applied for grant from FEMA Hazard Mitigation Grant Program
  - \$250,000 grant
  - Developed and began operating in 1999
  - Second grant in 2000 for \$60,000
- Automated rain gauges part of program

# Flood Warning System

- Data streamed from automated rain gauges
- Processed and written to MySQL table
- Table copied into Oracle every five minutes
- Oracle view to structure data into columns
- Oracle view joined to feature in MXD
- Published as ArcGIS Service
- Service consumed by Freeance Mobile
- Shows real-time rain data on every refresh
  - 24 hour total as label
  - Identify show more detail
- Saves \$\$\$ by utilizing existing equipment



# Potential New Application

- Real time bus locations
  - Currently installing hardware for AVL on the busses
  - Public access to this information via Freeance Map Viewer

# Conclusion

- In Conclusion
  - Reasons for Real Time
    - Better decision making
    - Accurate information as of right now
  - Cost Savings
    - Existing software products and expertise
    - Existing hardware
      - Blackberry Phones
      - Servers

# Questions?

- Feel free to ask questions at this point.

**Thank You!**

