LOCATION-BASED SERVICES FOR PUBLIC SAFETY
Location-Based Service

- A data service
- Provided to a mobile device
- Using information about the device’s current location
What’s Needed for an LBS?

- A geographic dataset on a server
- A location-aware mobile device
  - GPS
  - Wireless positioning system
  - Cell towers
- An application!
Location-aware devices
SOME EXAMPLES OF LBS
Starbucks
Weather Bug
Open Table
Advantages of LBS

- Leverages location services
- Only shows relevant data
- Pushes information with little or no effort by user
Public safety data are ripe for LBS

- We collect lots of it
- Many of us already map data
- We have mobile workforces
- Our data have value on the street
SOME EXAMPLES OF PUBLIC SAFETY LBS APPLICATIONS
CrimeReports
HunchLab 2.0
PulsePoint
Building mobile LBS apps

- ArcGIS Server
- ArcGIS online for organizations
- Web mapping applications
- ArcGIS for Android and iOS
Parcel Viewer
Pre-Plan Viewer
Traffic Camera Viewer
β Special needs patients
β AEDs
β Hydrants and mains
β Hazardous materials
β Recent crimes
β Addresses of offenders
Mapped Police POIs

- Offenders
- Incidents