The Role of GIS in the 2012 Republican National Convention

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NGAC Lightning Session
September 18, 2012
Our 1st Concern: Hurricane

Florida
Our 1st Concern: Hurricane

Hurricane Tracks Since 1842
Our 1st Concern: Hurricane
Our 1st Concern: Hurricane

Tropical Storm Debby, June 2012
Our 2nd Concern: Terrorism

“an event of national or international significance deemed by the Dept of Homeland Security to be a potential target for terrorism or other criminal activity”
Our 3rd Concern: Violent Protest
1st Reality: Tropical Storm Isaac

August 23, 2912 - 8:00 AM
1st Reality: Tropical Storm Isaac

August 27, 2012 - 08:00 AM
Hi 85° F, Lo 75° F
Rain 2.25 in
2nd Reality: No Terrorists
2nd Reality: No Terrorists

Gaze at me and wonder what I see
My arms, outstretched, that measure countless stars
My stance unmatched by even the tallest tree
The compass of my feet, a common cause!
O gaze at me and wonder what you see
My glistening chest that hides a heart of steel
That judges Human Will and finds it free
To reach aloft and spin God's cosmic wheel!
To make of life whatever life may be,
Like an early morning sun, I rise up free!
2nd Reality: No Terrorists
3rd Reality: Non-Violent Protest
3rd Reality: Non-Violent Protest
3rd Reality: Non-Violent Protest

Sleeping Dragon
Bottom Line

- Denver 2008 DNC – 152 arrests
- Charlotte 2012 DNC – 21 arrests
- Minneapolis 2008 RNC – 818 arrests
- Tampa 2012 RNC – 2 arrests

- TPD attributes 62% decrease in violent crime to intelligent policing through geospatial analysis
- Accepted approach expanded for RNC
TIGER

- Tampa Information and Geographical Event Resources
- Situational Awareness Dashboard
  – aka Common Operating Picture (COP)
- Built using Esri Flex 2.5 technology
  – Comparable to DoD’s Palenterra
  – Based in part on City of Charlotte’s COBRA
TIGER

~160 data sets at start of RNC
~185 data sets at end of RNC

- Aerial photography
- Public safety events and incidents
- Cameras: city, regional, state, helicopter
- Critical infrastructure
- Weather
- Standard live data feed format designed for external agencies
  - REST and FTP options
- Simple to learn and use
Tampa Event Zone View
Secure Access Specific to RNC

- Password protected
- Role-based access
- Post-RNC utility throughout UASI
Tools and Imagery

Imagery

Tools

Links & Profile

Map

- Bird’s Eye & Street View
- Bird’s Eye - Tampa Convention Center
- Bird’s Eye - Tampa Bay Times Forum
- Bird’s Eye - Port of Tampa
- Bird’s Eye - Tropikana Field
- Bird’s Eye - Big Bend Power Plant

- Drive times
- Locate
- Draw and Measure
- Enhanced Identify
- Surface Profile Analysis
- Viewshed Analysis
- Calculate viewshed
- Population Summary
- ERG by Chemicals
- National Grid
- Upload Shapefile

- Help
- Legend
- Tampa RNC Information
- City of Tampa
- INET - Tampa Fire Rescue
- INET - Tampa Police
- INET - News and Notices
- GIS Resources
- Log out
- User Profile
- Change Password

- Layer List
- Legend
- Bookmarks
- Print
Real-Time Calls for Service
Live Camera Feeds
Thank You for Your Attention