D5 PT GPS Asset Management Program for Assisting with TDM Strategies

- Manage and Provide Condition Assessment for Park & Ride Assets
- Manage and Provide Condition Assessment for Share-a-Ride Sign inventory
Brief Background of Program

- First Assets Collected in Summer 2007 with Trimble GeoXH – Sub-Meter Accuracy after Differential Correction
Brief Background of Program (Con’t)

- GPS Assets collected were also georeferenced with photo of each Asset and hyperlinked in GIS.
Locating the Assets in ArcGIS
Condition Assessment Identification
Visibility Assessment Identification
Multiple Uses for the Data..and Accuracy

- Discussion of Data Accuracy – Cost/Benefit
  - Trimble GeoXH Collection efforts replaced with Garmin Oregon 200 Recreational GPS
    - Determined Accuracy, good enough + or - 8 ft on average
    - Very good option for Low Budget Asset Management

- Data Served Multiple Uses for Asset Management
  - Replacement Signs - Storms knocked down some signs
  - Perform Lighting Assessments – Adequate Lighting?
  - Viewshed Analysis – Good Signage Visibility?
Map Examples – Lighting Condition
Map Examples – Signage Correction
Newest FDOT Use for Assets Collected is...

Wayfinding via Personal GPS

- Supports FDOT D5 TDM Strategies with the Regional CAP (Commuter Assistance Program)
  - Inform the Public!!!!
  - Give them the Data, they know how to use it already
- Convert GIS Assets to Personal GPS Format
  - TomTom (.OV2)
  - Garmin (.GPX)
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TomTom Conversion Example.....
Convert Shapefile to .GPX
Customize .OV2 logo – TomTom Website
Publish POI Button – TomTom Website
Add POI file to GPS Unit – TomTom Home
Step 2
Step 3
Step 4
Step 5
THANK YOU!

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