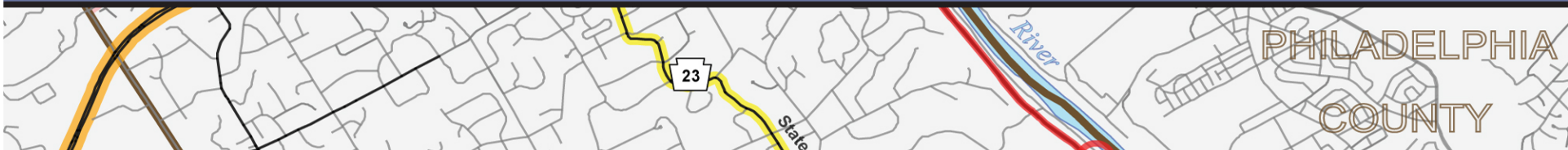


IDRuM

Interactive Detour Route Mapping



Information Resources Exchange Group

Delaware Valley Regional Planning Commission

Philadelphia, PA

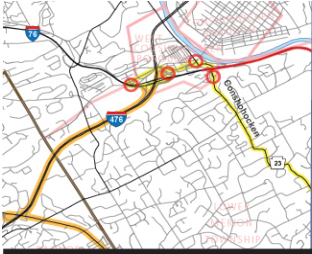
December 6, 2006





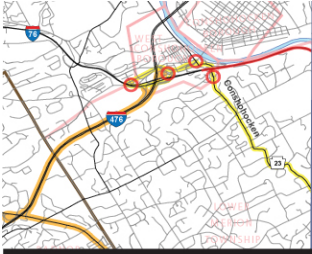
Introduction

- **Project resulted from DVRPC's on-going technical assistance to PennDOT Dist. 6-0**
- **Goal: Convert existing detour route data into more useful format**
- **First of many datasets to be digitized into GIS for analytical applications**
 - Traffic Signals
 - Fiber Optic locations
 - ITS Devices



Design Process

- **Hard-copy data transformed into digital data**
 - Paper maps into GIS data
- **Digital data transferred into graphic data**
 - GIS data into digital cartography
- **Graphic data copied into animation**
 - Digital cartography into Flash animation
- **Animation published as website**
 - Flash animation into a working website



Design Process

- **Why Macromedia Flash?**
 - Cartographic project
 - Superior graphics
 - Off-the-shelf software
 - Affordable
 - Expandability
 - Fast!

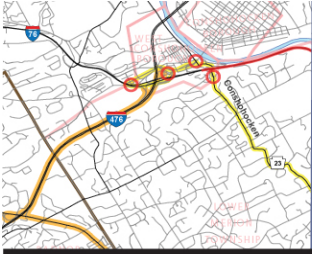
For more information:
www.adobe.com





Design Process

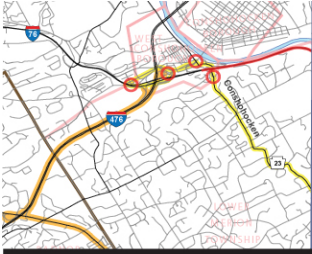
- **Design Issues**
 - **Very labor-intensive**
 - Good animation = lots o' work!
 - Many, many, many steps involved!
 - **Outdated detour routes**
 - Changing road configurations (US 422 interchange)
 - Limited to state-owned roads
 - **“Bells & Whistles” syndrome**
 - Distraction from basic operability
 - Future becomes brighter than present day



Demonstration

[Click to Launch IDRuM](#)





Future Applications

- **Expanded options**
 - Increased navigation (Pan)
 - Printable .pdf maps with directions
 - Downloadable GIS data
- **Integration of other data**
 - Traffic signals
 - Fiber optic cable location
 - ITS device locations
- **Expanded geographic region**
 - DVRPC region
 - Beyond?



Contact Information

Matthew West

215.238.2818

mwest@dvrpc.org

