

Interactive Detour Route Mapping (IDRuM): Linking GIS, Cartographic Design, and Web Development

Presenter

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The Delaware Valley Regional Planning Commission (DVRPC), in partnership with Pennsylvania Department of Transportation's Philadelphia district (PennDOT District 6), has developed the web-based Interactive Detour Route Mapping (IDRuM) application that organizes all existing PennDOT Emergency Detour Routes within the Southeastern Pennsylvania region into a manageable, easy-to-use interface. DVRPC has worked with PennDOT District 6 to update and reformat the detour route maps for all limited access highways within the Pennsylvania region, replacing outdated paper maps with digital PDF maps. IDRuM compiles the PDF detour maps into a simple, "point-and-click" Flash application. As exposure to IDRuM grew, the New Jersey Department of Transportation (NJDOT) decided to partner with DVRPC to expand IDRuM into the State of New Jersey. Currently, NJDOT's detour route maps for two of the twenty-one New Jersey counties have been incorporated into the application, with two more counties to follow. The ultimate goal is to integrate NJDOT's detour route maps for all New Jersey counties, with IDRuM being utilized statewide. IDRuM is available both in an online and offline version, with the offline version designed to give emergency responders access to the detour routes where internet access is limited or non-existent. DVRPC is dedicated to uniting the region's elected officials, planning professionals and the public with a common vision of making a great region even greater. Shaping the way we live, work and play, DVRPC builds consensus on improving transportation, promoting smart growth, protecting the environment and enhancing the economy. We serve a diverse region of nine counties: Bucks, Chester, Delaware, Montgomery and Philadelphia in Pennsylvania; and Burlington, Camden, Gloucester and Mercer in New Jersey. DVRPC is the federally designated Metropolitan Planning Organization for the Greater Philadelphia Region - leading the way to a better future.