

4.2.1 From GIS data to CAD graphics-Iowa DOT's workflow utilizing GeoMedia and MicroStation to develop map products.

Presenter

Nick Meurer

Iowa DOT

Nicholas.Meurer@dot.iowa.gov

Co-Presenter

Mark Hanson

Iowa DOT

The Iowa DOT maintains data on more than 114,000 miles of public roadway, 25,000 structures, and 5,000 railroad crossings in the state with their Geographic Information Management System. This information, along with city corporate limits, county boundaries, section lines and more, is used in the production of numerous city, county and state map products. With the data stored in Oracle, querying through GeoMedia and then exporting the results to MicroStation DGN format has proven to be an efficient workflow for the development of maps. Additionally, GeoMedia's export to MicroStation DGN functionality with XML defining the level, color, line style and weight symbology of the resultant graphic elements greatly assists the MicroStation user by having the output conform to design standards.