

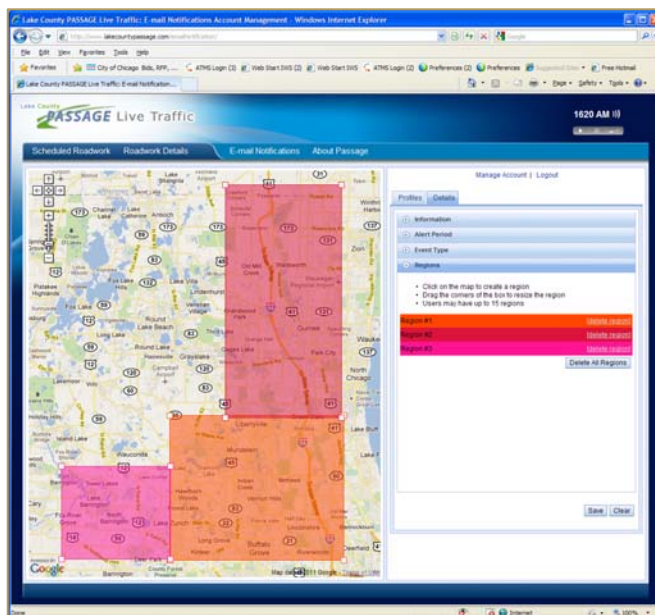
2011 ITS Project of the Year Award

Project Finalist

Lake County PASSAGE Email Notification

The Lake County Passage Program is one of the nation's largest and most advanced arterial traffic management systems. From the start, the Passage program included many industry firsts and innovative solutions. The system includes automated congestion management, automated event management, and integration of several ITS elements, including: DMS, CCTV, arterial traffic signal system, Public Safety CAD, HAR, and public web site.

Phase Three of the PASSAGE Program added more innovative solutions to support the County's goal to more efficiently manage their roadways including an updated website, enhanced congestion monitoring, and an iPhone app. As part of this project phase, Lake County wanted to allow motorists to receive email notifications about incidents, events and unusually heavy congestion in Lake County.



While the concept of email notifications for events and congestion is not new, implementing this on an arterial roadway network introduced some unique hurdles. The primary issue was addressing the large number of alternative routes that a motorist could potentially take if you include all the freeway and major arterial alternatives. The conventional wisdom used on freeway traveler information systems is to allow the user to select routes with beginning and end points. The number of alternatives on an arterial makes this approach way too

cumbersome.

To overcome this issue Lake County, and Delcan Corporation, developed a solution that allows users to draw a series of boxes on their Google based external web page that defines the routes the user wants

to be notified about. The user can create up to 15 boxes to define each route profile and then select the times they wish to be provided alerts. For example, the user can create AM and PM profiles by defining the sections on the map and times they wish to be notified about events or congestion within those regions.

See the sample screenshot in previous page. Imagine trying to define all the arterial alternative routes within the defined boxes using the conventional route selection process.

Lake County also created a video to help users create and manage their accounts.

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Project Web Site: <http://www.lakecountypassage.com>

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