

## Session 6.2.3 Digitizing and Thematic Mapping on the Web

### Presenter

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A GIS Server program is developed to allow users to digitize point, line, and polygon features on web with an aerial photo layer and other vector layers on the background. All feature generated are saved directly to SDE, that can be viewed and queried instantly by multiple users. This technique is applied to road resurfacing program to let the local governments to submit the resurfacing requests by digitizing a road segment on web to inform where a road need resurfaced and the start and end street intersections. The software can update the existing data attributes and move feature to a new location through web, e.g., update bridge inspection attributes and correct its location on aerial photos. There is a function in this program to search and zoom to a portion of a route based on beginning and ending measures given. Also a thematic mapping function on GIS Server has been developed to map and classify speed limit, average daily traffic, accident rate, traffic change, and number of lanes on web.