

### 5.3.3

#### **The Adaptation of Geospatial Techniques to the Collection and Analysis of High Crash Locations at Nevada DOT**

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The Nevada DOT has been in the process of developing geospatial techniques to support a number of activities within their Safety Management System. A key area of focus has been the effort to develop tools and techniques to locate, collect detail data, and perform detailed analysis upon High Crash Locations (HCLs). To this end, NDOT has been working with Intergraph to develop tools to make it easier to aggregate crash data to intersections, to improve the efficiency and effectiveness of collecting HCL furniture and observation data, and to interrogate this information within a GIS-T environment. This paper will present the results of a development effort in which tools were developed for the desktop and PDA to perform these functions. It will describe their application and use within a Safety Engineering environment.