

Linear Based Pavement Data in a Spatial World: Integration of the City of Oklahoma City's Automated Pavement Evaluation Program and Videolog to the Enterprise GIS.

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The 1,147 miles of pavement data collected with Fugro Roadware's ARAN (Automatic Road ANalyzer) for the City of Oklahoma City's 2008 Pavement Management Data Collection Project was defined and routed in a linear mode and collected along with GPS data. The ARAN was also equipped with an ApplAnix POSLV system which provided submeter accuracy for all data points along the street segments at 52.8 foot intervals. Pavement distresses were rated and correlated to the linear reference system as well as the GPS data. This allows the City of Oklahoma City to utilize the pavement data in a spatial as well as linear segment based manner allowing for greater flexibility in the use and interpretation of their data.