

2.4.2 GIS Maintenance Tools to Support a Multi-Year Linear Reference Network used for Transportation Planning

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The Maricopa Association of Governments (MAG) in Phoenix, Arizona has completed the first phase in implementing a GIST to support transportation planning and programming decisions. A multi-year linear reference system (LRS) is used to maintain the network centerlines and event attributes for their travel demand model and planned improvement projects. This presentation will describe and demonstrate the custom tools used to maintain the multi-year LRS including: route and event editing, batch route and event assignment, maintaining transit routes and stops, and associating network changes with planned improvement projects for dynamic travel demand model network creation.