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The State of Editing and Maintaining GeoSpatial Networks

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GIS-T has promised applications since the earliest days. However, GIS-T applications only best work if there is accurate and complete spatial network data fully ready to be served. Network data is generally linearly referenced and needs to be maintained and updated on regular basis. Much progress has been made in this arena. However, clearly prior generations of network editors and maintenance tools have often not fully or adequately met the needs of transportation agencies. A number of key prior efforts are reviewed (without agency name). A framework for the issues these tools faced is presented. Case study is then made of both completed projects as well as efforts to put in place a new generation of tools at Idaho Transportation Department.