In order to conform to FHWA standards for Highway Performance Monitoring, ALDOT has created an Enterprise GIS system (eGIS) which includes a routable roadway network. Historic crashes are recorded with two linear referencing methods, route-milepost on state routes, and link-node on local roads. In order to preserve the link-node roadway data (Link-Node Linear Referencing Method) in the new eGIS framework, a methodology to transfer the Linear Referencing Method was developed.

**Methodology**

- Develop a methodology to transfer the existing link-node LRM data to the eGIS framework
- Develop a methodology for Quality Assurance/Quality Control of data transfer techniques and create a web tool to facilitate QA/QC procedures and data dissemination
- Carry out QA/QC procedures using the web tool

**Data Transfer Flow Chart**

1. **eGIS Routes**
   - Link-Node Nodes
   - eGIS Nodes
   - Spatial Join
   - Node Transfer Table
   - Link-Node Links

2. **eGIS Node Table**
   - eGIS Nodes
   - Link Transfer Table

3. **PDF Data**
   - Link-Node Data
   - eGIS Data

4. **Incongruencies in the system add problems that cannot be solved programatically. Additionally, not all data will be transferred correctly. For these reasons, a manual QA/QC web tool has been created to aid in this work. The user has the ability to select multiple links at a time and correct issues. Buttons help flag common problems which cannot be corrected at this time.**

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