Innovations Showcase

Projects

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Prepared by Transportation Planning
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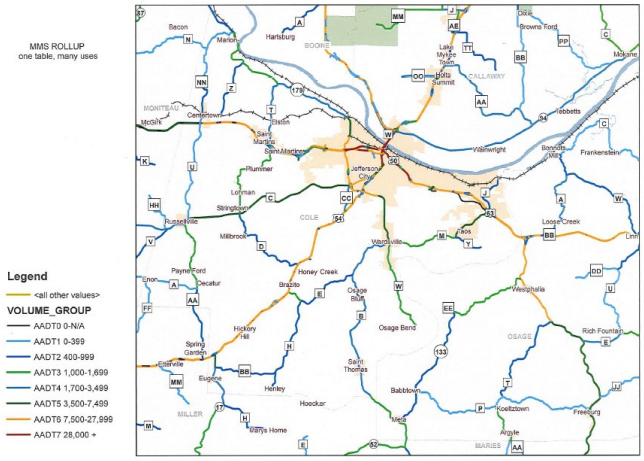
MMS Rollup Linear Reference Data Table

Video



Description

To correlate with the new Maintenance Management System, the MMS Rollup Linear Reference Data Table was built. This table was designed to solve several issues encountered during the system development and enhances performance of the MMS mapping pages. The technical specifications of MMS required a means of capturing Transportation Management System linear referencing system data such as travel way id (routes), log miles and job numbers. The problem is, job numbers in TMS are located only in the primary direction on the primary route. The MMS Rollup table created a new LRS data model that syncs with TMS and has access to all required attribute data. Now users do not need to know the primary route to locate the maintenance job numbers on all routes. A record for the non-primary directions is created which allows for code to intersect the job number data with the attributed data that then can create the linear reference system route segments.

Benefit

The MMS Rollup table saves time and simplifies work in a multitude of ways. The MMS developers do not need to become subject matter experts in the TMS data, it simplifies work by only allowing routes to be selected that have the job numbers built and won't allow a "wrong" roadway to be selected. This table simplifies work for the developers since they only must work with this one table to derive travel way route log miles, job numbers and draw attribute data. It also speeds up the application and mapping performance because it negates the need for filtering unnecessary data.

Materials and Labor

There are no material costs. 20 hours of labor.

For More Information Contact

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Additional information, photos or videos can be seen by accessing Innovations Challenge SharePoint page at: http://sp/sites/tp/planpol/SitePages/InnovationHome.aspx