

Session 2.3.2 Feeding Your HPMS

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The Highway Performance Monitoring System (HPMS) requires information from many parts of our organizations. Traffic counts, pavement information, roadway configuration, urban classification, and geometrics are examples of some of the data required to populate the HPMS database. Often this data is delivered to us in a variety of formats and databases, none of which match the target HPMS database. We are thankful to receive the data, but then the problems begin – how do we manipulate the incoming data so that it can be loaded into the HPMS? We must handle two basic issues. The first issue is moving the data from the source database to the HPMS database. The second issue is modifying the data to match the resolution of the HPMS data. It is rare to receive data that matches the defined HPMS section intervals. Traditional methods of handling this problem involve custom coding based on the delivered data or inefficient manual processes that are slow and mistake prone. We wanted to streamline the process to minimize the customization required and also to ensure that data deliveries that are consistent from year to year can be loaded with minimal effort.

We'll examine an approach that Hawaii DOT came up with to efficiently move this data into our system without having to perform a major data translation each time.