

Session 5.4.2 Straight Line Diagramming for Transportation Linear Data

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Transportation agencies have a fundamental need for viewing data in linear fashion whether it is through a map or linear diagram. Straight Line Diagrams (SLD) have often been used to show specific information about a roadway without the complicated process of building a true map representation. Nonetheless, there are still problems in creating these diagrams. Typically the user must access their data system and create a tabular report of the data that is of interest. The data is then translated into a graphical depiction through manual or semi-manual methods, which has proven to be very time consuming, costly, and error prone.

Today's SLDs can be produced through an automated fashion, which reduces the manual labor requirements, and eliminates costly mistakes that are typically associated with human error in data translation.

This presentation will outline traditional methods being used today for production of straight line diagrams and discuss technology as a solution for solving some of the more common problems associated with creating these diagrams.