

### 6.1.3 Implementing CDOT's Roadway Geodatabase – Theory Versus Reality

**Presenter**

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The Colorado Dept. of Transportation needed a new roadway data model for editing roadway inventory and geographic data, integrating current attribute data into that model, and generating and publishing linear referenced roadway data. This presentation focuses on several issues that have stymied, or advanced, the progress of this implementation project. Issues covered include: extending the data model and implementing abstract classes; using GIS or database technology, or both; measurements and measures - on the roadway and in the database; maintaining and controlling operational data while simultaneously implementing data migration; documenting and propagating organizational knowledge; and dealing with staff changes and the advances of technology.