

6.3.1 Geodatabase Design Considerations for Linear Assets in Roads Asset Management System

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After successful design and implementation of Point assets in the Roads Asset management System, the focus is turned towards inclusion of linear assets in the enterprise Asset Management System. However, linear features inherit different geometric characteristics and that requires different approach to handle the relationship between point and linear Features, as well as introducing topological constraints. This project is another small step in the Roads Asset Management Program (RAMP) to achieve a giant leap. This paper presents the business requirements of Roads Maintenance division and their existing application followed by the blue print for GIS Object Model as an extension to the current data model implemented for point assets. Paper will conclude with the number of recommendations for similar architectures in other businesses.