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Establishing a Single Source of Truth for Transportation Project Selection

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The Kentucky Transportation Cabinet (KTC) is an executive branch agency responsible for overseeing the development and maintenance of a safe, efficient multi-modal transportation system throughout the Commonwealth of Kentucky. The Cabinet manages more than 27,000 miles of highways, including roughly 20,500 miles of secondary roads, 3,600 miles of primary roads, and more than 1,400 interstate and parkway miles.

For the last ten years, KYTC has been advancing closer and closer toward its vision of a sustainable system to support full lifecycle management of its transportation assets. It has evolved from a linear or sequential view of activities to a circular view which attempts to identify needs, analyze performance, and propose solutions holistically and with stakeholders having a seat at the table. They are striving to analyze true lifecycle costs by asset class. Instead of looking at planning, construction and maintenance separately, KYTC's is attempting to communicate and collaborate across departments and divisions while looking at the entire network to determine where money really needs to be spent, e.g. congestion or safety. One element that enables this to happen is KYTC's Highway Information System, which provides accurate information combining asset data, geospatial data and linear reference data, bringing design and planning and maintenance together, to ensure that all stakeholders are talking about the linear network or same stretch of road in all data instances.

In this session we will provide an overview of KYTC's Highway Information System and how it is used as a single source of truth to improve communications between stakeholders. We will share experiences and best practices for strengthening connections from Planning to Operations and aligning the organization to support TAM.