Project #12409 – Life Cycle Cost in ALDOT Infrastructure Projects

http://utca.eng.ua.edu/research/projects/?id=12409
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The objective of the proposed research project is to provide ALDOT decision makers with implementable recommendations concerning life cycle cost analyses (LCCA) for roadway infrastructure projects. In particular, the research results will address the issue of how the principle paving material – either Portland cement concrete or asphalt concrete – is selected. The recommendations will address three principle areas:

- Recommending when LCCAs should be performed and when the LCCA results may be reviewed by industry
- Recommending the pavement design and LCCA software packages best suited for the analyses
- Recommending values for inputs to the LCCA analysis, including (but not limited to) such items as analysis period, discount rates, and user costs.

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