

MINUTES

HOUSE APPROPRIATIONS SUBCOMMITTEE ON

Transportation

DATE: April 25, 2019

Chairman Maddock called the meeting to order at 10:30 AM. Representatives Maddock, Yaroch, Miller, Brann, Bollin, Peterson and Love were present.

Rep. Yaroch moved to adopt the minutes of the **April 18, 2019** subcommittee meeting. The motion was adopted by voice vote without objection.

The subcommittee then heard a presentation from Dr. Victor Li, Ph. D, University of Michigan, College of Engineering, on Road Technology Innovation and Emerging Technologies [Copies of the presentation, "Michigan Can Lead" are included in the official House Fiscal Agency minutes.]

Dr. Li described the causes of pavement failure. He also described new technologies that could mitigate against pavement cracking, specifically, a type of flexible concrete pavement design, Engineered Cementitious Concrete (ECC). Dr. Li gave a demonstration of the ductility of ECC.

Dr. Li indicated that ECC pavement design has had limited field application in Michigan. He cited ECC used on bridge decking on the Grove Street Bridge over I-75 near Ypsilanti (2005).

Dr. Li discussed the use of ECC in pavement overlays and in building construction. He described both initial costs and life-cycle costs of the pavement design, as well as challenges in moving new technology from the university research to approved materials lists for public works projects.

Dr. Li indicated that the University of Michigan holds the intellectual property rights to the ECC designs developed at the university. Dr. Li suggested that the legislature should direct stakeholders to address barriers to applying new technology in real-world applications.

Representative Love introduced her godson, Justin, who was visiting the capitol.

Chair Maddock adjourned the subcommittee, without objection, the time being 11:45 a.m.