

## CE 890 Graduate Seminar

- SPEAKER:** Bryan C. Donze, E.I.T., Distance M.S. student (Advisor: Dr. Kyle Riding)
- TOPIC:** “An Introduction to Pavement Preservation”
- DATE:** March 30, 2011
- TIME:** 4:00 p.m. (refreshments at 3:45 p.m.)
- PLACE:** 2144 Fiedler Hall

### ABSTRACT

Pavement preservation is a cost-effective way to extend pavement life and therefore reduce the long-term monetary need of a roadway network. The definition of pavement preservation as defined by FHWA Pavement Preservation Expert Task Group is “a program employing a network level, long-term strategy that enhances pavement performance by using an integrated, cost-effective set of practices that extend pavement life, improve safety and meet motorist expectations.” (Geiger) The public demands good roads and it is the roadways owner’s task to deliver. This presentation describes what pavement preservation is, how it extends the life of a road and how it is cost-effective.

Pavement preservation has three tiers; routine maintenance, preventive maintenance, and minor rehabilitation. Each of these areas has specific activities that should be applied at the appropriate time in order to be cost effective. When appropriate timing is used the life-cycle cost and equivalent annual cost favor pavement preservation over normal worst first timing. This presentation will also show how the Indiana Department of Transportation has embraced pavement preservation.