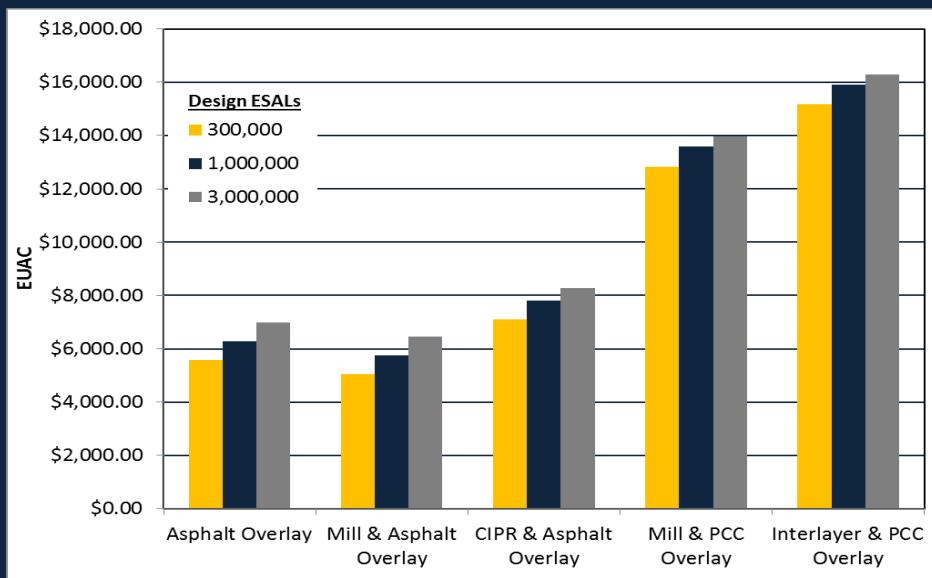




THE ECONOMIC VALUE OF PAVEMENT OVERLAY ALTERNATIVES

Equivalent Uniform Annual Cost



Findings

Rehabilitation of asphalt pavements is one of the dominant pavement construction practices and will continue as highway facilities mature. The current socio-economic environment is demanding use of public monies to be more efficient with sound environmental practices. The use of life-cycle cost analysis is considered the best method for evaluating competing pavement rehabilitation methods. The ranking of the best economic value for the methods studied were:

- mill with an asphalt overlay,
- asphalt pavement overlay,
- cold in-place recycling with an asphalt overlay,
- mill with a PCC overlay, and
- an asphalt interlayer with a PCC overlay.

The current FHWA method of conducting life-cycle cost analysis through end of life value (salvage value) does consider the social and environmental stewardship associated with recycling materials; in addition, this study leads to the conclusion that the **best method for rehabilitating asphalt pavements is by using ASPHALT materials to rehabilitate these roadways.**