

Army Corps of Engineers ROI Research

Below you will find a brief summary of expected return on investment outlined by the Army Corps of Engineers on asphalt preservation. The Corps presented these figures to Congress for additional research funds to further study and document asphalt preservation.

"Expected ROI: Extending the surface life of asphalt pavements by 25% (5 years for a 20-year pavement design life) could reduce the construction costs by approximately 10% and maintenance costs by 20%, per year. For a typical Army airfield with one runway (cost approx. \$2.5M), the construction cost savings alone would be approximately \$250K/year or approx. 1.2M over five years. The Army currently has over 150 runways in service so the estimated costs savings could exceed \$180M for runways only. Including the additional areas of parking aprons, taxiways, and additional runways (some airfields have more than one), the costs savings could well exceed \$500M."

Since GSB-88 demonstrate the greatest cost/benefit ratio they now know of, these figures are applicable to GSB-88.

The Army Corps research says that the best cost/benefit relationship comes when preservation applications take place within the first two years of the pavement's life cycle. In addition, the closer to the paver one gets the greater the benefit. Gee Asphalt Systems has been promoting this philosophy for years based on our own experience with GSB products, but in past years we have lacked hard data. The Army Corp has now confirmed our findings as fact. Waiting to spend money until later on asphalt pavement actually end up costing more money, a lot more!.

With the addition of the new positive testing results just now coming in from FHWA in Washington DC, coupled with the data already obtained by the Army Corp. the benefits of using GSB-88 are scientifically confirmed by the best research laboratories in the world. Asphalt preservation using materials like GSB-88 are soon going to be standard operating procedure.

For more information or to speak to the Army Corps of Engineers office call Kent Newman Ph. 601-634-3858, or email: newmanj@wes.army.mil