

Research on the Feasibility of Waste - Based Engineered Material for Infrastructure Construction and Repair – Through its close working relationship with Dr. Thomas Zimmie at Rensselaer Polytechnic Institute, TransTech Systems intends to develop a knowledge base of experimental performance data and establish the initial technical feasibility of a new class of engineered geotechnical construction materials employing paper sludge, fly ash, kiln dust, ground glass, crumb rubber and standard aggregate/sand/filler combinations. The innovative technology is viewed as a substantial benefit for States in that it has the potential for allowing more roads (particularly in rural areas) to be constructed and maintained in a cost-effective fashion while at the same time, utilizing materials that are destined for costly disposal at landfills. Perhaps equally important is the fact that the material can be engineered to display whatever properties are necessary for a given area, thereby creating safer roads for drivers.