Geofoam: What it is, When to use it, and Solutions it provides - A case study approach

by

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Abstract: Geofoam, blocks of expanded polystyrene is used as both a void and structural fill. The unique combination of low weight and high compressive strength of geofoam lend itself to many applications. This presentation will discuss the physical properties of geofoam and how they can be used to reduce weight, reduce settlement, reduce lateral pressure on retaining structures and more. Case studies presented will be regional projects representative of current applications of geofoam and include one failure to illustrate design considerations that must be taken into account. Emphasis will be placed on why geofoam was chosen for each project so the concepts can be applied to additional applications.

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Elevation™ geofoam used as lightweight fill to stabilize a roadbed on M-45 in Michigan

******* Everyone is invited – snacks will be available*******