

Project: **Eagle Butte Mine Hwy Relocation**
Gillette, Wyoming

Design Team: **URS Corporation** Geotechnical Engineer

Contractor: **Heavy Contractors Inc.**



Construction Notes

Total Rammed Aggregate Pier® elements Installed: **734**

Soil Profile Summary:

The client (Foundation Coal) was relocating a WY state highway and in that process needed to construct an overpass structure. The site is located in a reclaimed open-pit mine area where the mine backfill consisted of clayey soil with sandstone cobble and boulder inclusions. The piers were used to reinforce a 20' thickness of the uncontrolled backfill so that settlement within the reinforced depth would be less than 1". Piers were spaced 7' on-centers beneath the planned bridge footings as well as beneath the planned embankment approach fills. URS Corporation (Denver office) was the design engineer for the overall project, and the WY DOT reviewed and approved the design approach using RAP reinforcement.