

Highway Construction

Cellular Concrete Inc. foam concrete provides a stable sub-base for the construction of roadways and is therefore ideally suited to a number of road and highway applications.

Uses in highway construction range from replacement of unsuitable existing soil for load reduction, to the construction of embankments for bridge approaches and ramps.

Cellular Concrete Inc. foam concrete is a great choice for backfilling retaining walls and MSE panels, as it imparts no lateral load on the wall and is less susceptible to settlement. Foam concrete is a viable choice to replace or bridge over poor soils that are prone to liquefaction under seismic loading.

Cellular Concrete Inc. foam concrete is an economically viable solution, particularly in large volume applications. Its use can also have an effect on other aspects of construction.

- Mix designs are tailor-made for the project and budget requirements
- High volume equipment with rapid installation reduces installed unit cost
- No waiting for consolidation of sub soils, eliminating the need for surcharging
- Removal of minimal amount of soil to be replaced with foam concrete
- Can be applied directly on existing marginal ground such as peat or poor soils
- Minimal lateral loading enables reduced costs for earth retaining structures
- Reduce or eliminate the need for piling, sand drains, or grade beams
- Eliminate the need to correct completed construction which has settled
- Lower maintenance costs because durability of foam concrete and lack of settlements