



# PROJECT PROFILE

## Steps to Treatment



### Furnishing the reagent

The reagent, usually powdered Quicklime or Cement, arrives at the job site in pneumatic trucks. With the use of on-board blowers, the pneumatic truck transfers the reagent into a spreader truck. Approximately 1 hour is required to load and spread 27 tons of reagent.

### Spreading the reagent

The spreader truck spreads the reagent at the appropriate mix design percentage. The spreader truck utilizes an on-board computer and radar to precisely control the spread rate. Griffin's spreaders utilize an baghouse for dust control.

#### Quicklime

- Granulated lime
- Treatment of clay soils
- Strength increase
- Expansion reduction

#### Quicklime Plus

- Lime / Cement mix
- Treatment of clay to silt
- Strength increase
- Expansion reduction

#### Cement

- Treatment of sandy soils
- Treatment of base rock
- Pavement rehabilitation
- Strength increase
- Expansion reduction

#### Soil Mixing

- Moisture Optimizing and Particle Sizing

#### Clay Mixing

- Landfill and Pond Liners

#### Asphalt Pulverization

- Sizing to 1" Minus

#### Dry-Sac

- 1 ton sacks of pre-blended Quicklime and Cement for isolated soil modification (dry-up)



### Water mixing

The mixer and water truck are connected allowing for an integrated system where water is injected directly into the mixing chamber. The amount of water is controlled by the operator with the help of an on-board computer. The mix can be as deep as 18" per lift. After initial hydration, a second mix, or re-mix is performed allowing for final adjustments in the water content and further breakdown of soil gradation.



### Compaction

Initial compaction, in lifts up to 18", is achieved with specialized equipment. An open ring design and heavy weight allows for this single lift process to achieve compaction throughout the entire section.

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