Extra Depth FDR with Cement

Not just for Roadways
How the Industry Has Changed and Alternative Locations

Dale Cronauer
President
Paving with Soil and Cement

By MILES D. CATTON

Reprinted from Compressed Air Magazine
November, 1943

Harnischfeger Corporation
Milwaukee 14, Wisconsin

November 1943
This P&H Single Pass STABILIZER HANDLES SMALL JOBS Economically

- Roads
- Streets
- Alleys
- Parking Areas
- Road Shoulders
- Air Ports
- Sub-base Work
- Levee Protection
- Earth Dam Core Walls and Facings
- Any Small or Large Stabilization Job

BULLETIN 5-9
MORE SQUARE YARDS PER DAY—AT LOWER COST

HERCULES CEMENT SPREADER

built expressly to lower costs in laying soil-cement surfaces for
- roads, streets, highways
- airport landing and taxiing strips
- truck loading platform areas
- dock loading areas
- parking lots, etc.

Fast, accurate spreading over widths up to TEN FEET

Spreading bulk cement becomes the simplest step in soil-cement paving with the HERCULES Cement Spreader. Lightweight, ruggedly built, this efficient Spreader handles all soil-cement jobs, spreads any amounts needed in widths up to ten feet, does the work faster at lower cost. SAVE MATERIALS COST—you enjoy the lower rates of bulk cement...and the added efficiency of wastefree, even spreading; SAVE LABOR COSTS—replaces old-fashioned hand methods with modern efficiency; SAVE TIME—spread a smooth layer the first time over the HERCULES is designed for fast, smooth operation, and quick, easy adjustment. Here, indeed, is the modern way to spread cement!

TWO MEN—PLUS THE HERCULES
—a complete crew
for any spreading job

Two men, working at the conveniently-located control platforms make up your complete spreading crew! Once over and required cement is spread evenly up to ten feet wide. Extra costs are eliminated!

simple in operation—mechanically sound . . . see features on other side
Blount Construction Co. Mixers in 1970’s
We Have Come a Long way
Memphis Regional Intermodal Terminal Case Study

- Location: Rossville, Tennessee
- Owner: Norfolk Southern Railway Co.
- General Contractor: Phillips & Jordan
- When: 2012
- What: 12” Soil Cement Stabilization
- Portland Cement: 85 LBs Per Sq Yard
- Quantity: 315,000 Square Yards
- 9” & 17” Roller Compacted Conc. On Top
Wet Conditions!
Soil Types.
Mix Design & Testing
# 5B
Mixing Next to Structures
Soft Sandy Soils!
GPS Machine Control & Rover Utilized For This Project
Mixing & Compacting Against Concrete Crane ways
Excess Material
Used Elsewhere
Onsite
Mixing at Different Elevations
Prime Coat
For Curing The
Soil Cement
Atlanta Falcons new $1.5 Billion Stadium
Atlanta Falcons new $1.5 Billion Stadium

- Location: Atlanta, GA
- Owner: Arthur Blank
- General Contractor: Holder-Hunt-Russell-Moody, JV
- Contractor to Subcontractor: Reeves Contracting Company
- When: May 2014
- GC needed stable, raised crane platforms in order to construct stadium.
  - In total, an area of over 65,000 square yards was mixed with 84lb/yard of cement in four layers, each one-foot-thick.
Even the best thought out plans have problems
Catoosa County Case Study

- Location: Catoosa County, Ga.
- Owner: Catoosa County
- General Contractor: Blount Construction
- When: Summer of 2013
- The existing road was 2 in. asphalt over 6 in. concrete and no base
  - New Section: Full Depth Reclamation With Cement 16 in deep with 75 pounds per square yard and 3.5 in of Asphalt topping
Questions ???