The Challenge — Tarrant County needed to make an “emergency” repair of the overflow drainage system at Echo Lake in Fort Worth, Texas. Needing to buy time until an alternative system of drainage could be designed and implemented, they required a temporary fix to the badly deteriorated existing drainage system that travels from an opening on lake-side, under an approximately 25 foot earthen berm/active railroad track and outfalls into a drainage creek.

The Solution — Five Star Products, Inc. manufactures a fiber-reinforced, centrifugally cast cementitious repair mortar specifically engineered for the trenchless renewal of underground pipes. Ace Pipe Cleaning chose Five Star Centri-Cast® Pipe Repair Mortar because of its ability to repair and renew deteriorated pipes without disturbing the area’s surrounding environment or having to unearth existing pipes. The project began by interrupting the flow of drainage input water, and then the pipe was cleaned and readied for the Centri-Cast® installation. Though it was extremely hot outside, the crew appreciated the speed and ease of which the repair mortar was applied during this successful repair installation.
PRODUCT DESCRIPTION

Five Star Centri-Cast® Pipe Repair Mortar and Five Star Centri-Cast® Pipe Repair Mortar w/Microban® Technology are high-performance cementitious mortars designed for the trenchless renewal of underground pipes without disturbing the pipe. Both are a single component, fiber-reinforced hydraulic repair material. Five Star Centri-Cast® Pipe Repair Mortars provide sealing, rehabilitation and corrosion protection of existing underground metal and concrete pipes and are a quick and economical pipe repair solution that creates a dense and highly impermeable repair coating. For added protection, Five Star Centri-Cast® Pipe Repair Mortar w/Microban® Technology is infused with an antimicrobial agent to combat the damaging effects from MIC (microbiologically induced corrosion).

ADVANTAGES

- Large volume applications
- Centrifugally cast in place
- Low chloride ion permeability
- Versatile ¼ inch (6 mm) to 1 inch (25 mm) single pass applications
- Fiber reinforced for crack resistance and strength
- Infused w/Microban® Technology extends the useful life of mortar by inhibiting deterioration caused by MIC (microbiologically induced corrosion)

USES

- Trenchless repair of underground pipes, storm drains, culverts and manhole linings
- Pipe rehabilitation, repair and protection
- New pipe corrosion protection

FIVE STAR® SERVICES

- Design-A-Spec™ engineering specification assistance
- Technical on-call center with field and project experienced staff
- Field support representatives for on-site consultation
- Corporate research laboratory available to customize products for unique applications

MICROBAN IS A REGISTERED TRADEMARK OF MICROBAN PRODUCTS COMPANY.

For worldwide availability, additional product information and technical support, contact your local Five Star® licensee, distributor, local sales representative, or call the Five Star Products’ Engineering and Technical Service Center at 1-800-243-2206 (from the U.S.) or +1 203-336-7900 (outside the U.S.).

Five Star Products, Inc.
60 Parrott Drive • Shelton, CT 06484-4733 USA
Phone: +1 203-336-7900 • Fax: +1 203-336-7930

FiveStarProducts.com