



Are You Still Undercutting on Urban Projects? You Have a Better Option...



Over \$1,000,000 in Savings in 2010



In just the first year of using Super Slurry in this region, savings from utilizing chemical stabilization in lieu of undercutting has saved our customers over \$1,000,000. All of these projects were planned undercuts because the project location was considered "urban" and dust sensitive. The concern over fugitive dust from traditional dry methods of chemical

stabilization was eliminated by applying the stabilization chemical in a slurry form and changing from undercutting to stabilization with Super Slurry provided significant savings on every project.

Save Time, Materials, Truck Traffic, More



Urban projects are typically in high traffic areas with limited right of way and tight schedules. Any reduction in construction traffic on and off the job reduces community impact and improves safety. 10,000 cubic yards of undercut will require 1,000 truck loads of material hauled out and 1,000 truck loads of

material brought in. Chemical stabilization using Super Slurry reduces the amount of truck traffic by over 95% on average which helps reduce the construction schedule significantly.

2010 Projects of Note

Super Slurry was introduced on several projects in Illinois, Indiana and Ohio. All projects had unique challenges, urban conditions and excellent results...



Illinois State Route 59

Shorewood, IL

Illinois Department of Transportation - Walsh Construction

LKD Super Slurry

A widening project working adjacent to live traffic on a heavily traveled state route near Joliet, IL was the ideal place to introduce Super Slurry to IDOT and several consultants in March, 2010. The first Super Slurry project in Illinois provided excellent results using LKD Super Slurry that performed as advertised for the 20+ visitors.



US Highway 6

Nappanee, IN

Indiana Department of Transportation - Rieth Riley Const.

Cement Super Slurry

The first Super Slurry project for the Ft. Wayne District of INDOT was made possible by value engineering the planned undercut to soil stabilization using cement Super Slurry. This change led to a savings of over 40% on the subgrade treatment on this project.



Indiana Convention Center Expansion

Indianapolis, IN

Shiel Sexton - Kreager Brothers Excavating

Cement Super Slurry

After waiting for over 2 weeks trying to get the soft subgrade to pass a proof roll, Kreager Brothers called on Mt. Carmel to provide the solution for this new parking lot in downtown Indianapolis. The undercut alternative proved too expensive and time consuming on the tight project schedule and budget. Cement Super Slurry was used to stabilize this parking lot subgrade and get the project back on track.



Cincinnati State Technical College

Cincinnati, OH

Bray Construction Services

Cement Super Slurry

The first Super Slurry project in the state of Ohio was road reconstruction within the campus of Cincinnati State Tech. College. With classes in session, cement Super Slurry made stabilization the most economical solution to deal with the soft subgrade soils.

What is Super Slurry???

Super Slurry is a revolutionary new liquefied Cement and Lime Kiln Dust (LKD) slurry system unlike any other soil stabilization product ever produced. Developed by TXI (www.superslurry.com) through years of research and trials, Super Slurry enables us to make a high-solids content slurry with self-cementing products such as Portland Cement and LKD. The superior technology behind Super Slurry produces a slurry product that remains in suspension without agitation for an extended period of time until it is mixed into the soil with high-powered rotary mixers. Common slurry made with these products is a maximum of 30% solids, has a natural tendency to segregate, and begins setting up almost immediately. Super Slurry has over 60% solids and is suspended in solution until it is mixed into the soil.



Common Slurry



 SUPER SLURRY



- Is **Proven to Work Effectively** in Soil Stabilization and Full Depth Reclamation on Urban Projects as a Direct Replacement for Subgrade Excavation and Backfill.
- Contains **Over 60% Solids**.
- **Can** Be Used in Wet Soil Conditions.
- Does Not Use Common Set Retarders That Alter the Chemistry of Stabilization Chemicals.
- Uses **No Fillers** Such as Sand, Gypsum or Fly Ash.
- Is the Only Slurry Product Available That **Can be Produced With Portland Cement or Lime Kiln Dust**; The 2 Most Common Stabilization Chemicals Used Today.

The illustration above shows 2 cement slurries. The one on the left is considered “common” slurry - portland cement and water. The one on the right is portland cement Super Slurry. Note the distinct difference in material consistency in the jars. Common slurry settles out with the cement solids falling to the bottom. Super Slurry remains a homogenous solution with cement particles held in suspension in the solution. This leads to a consistent, high quality slurry product with controlled flow on the grade when spread. Common slurry will have tremendous variability in solids content during spreading that will lead to variability in performance of the stabilized layer.

Full Depth Reclamation on Urban Roads - A New Focus for Super Slurry in 2011

Dust Free Application of Portland Cement Makes FDR in Urban Locations Possible



Full Depth Reclamation (FDR) with portland cement is a process used to rehabilitate or upgrade existing asphalt roads. With FDR, the entire existing flexible pavement is pulverized, along with a predetermined portion of the underlying base and subgrade. The mixture is then treated with portland cement, re-mixed and compacted and the stabilized base is ready for the surface course. FDR with cement is a process known to extend the life of pavements well beyond that of conventional mill and fill methods. Until now, portland cement was spread dry, making FDR impractical on many urban projects that could have otherwise benefited from the savings and performance of FDR. As a dust free product, Super Slurry makes FDR with cement possible and attractive to those looking for a long term solution for failing flexible pavements in any project setting.

Want More Information? Contact us Today to Schedule a Brief Presentation for Your Firm

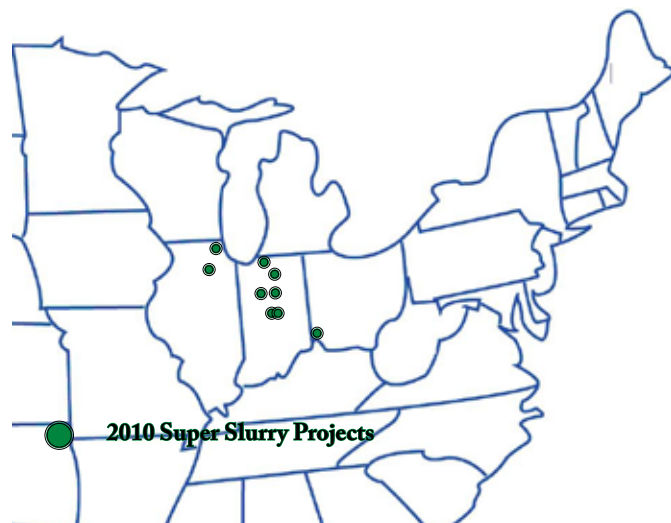
Mt. Carmel Stabilization Group is committed to providing continuing education to construction professionals that is useful in your business. We are available to present to your firm at a time and place of your choosing. General Contractors, Civil Contractors, Consultants, Transportation Agencies, and many others; have taken advantage of this opportunity to learn how soil stabilization and full depth reclamation can save time, money and improve the performance of the finished product.

Super Slurry Availability in 2011



As demand for Super Slurry continues to rise, the market availability rises with it. Super Slurry is now more portable than ever. With the availability to run multiple projects in different locations, the service to our customers will continue to improve. For more information on Super Slurry please call or visit:

www.mtcsg.com
www.superslurry.com
1-877-262-5118



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