



**Unconventional Solutions, Inc.**  
Partnering with Your Industry to Repair - Protect - Upgrade

# Leading Edge

JANUARY 2024

## CASE STUDY

## 13,600 sq. ft. Major Utility Company, Executive Parking Garage and Warehouse Repair

*Within a major utility company's Executive Parking Garage and warehouse, there were several places on the building's floor that had disbonded concrete, and the original coating was fading and failing in spots from years of use.*

### STAGE 1:


To complete the repair, the staff from Unconventional Solutions, Inc. (USI) was called in. Due to the project's scale, the project will be finished in two phases. Following the formal evaluation, our crew began by grinding all of the damaged flooring that were already present in the various warehouse and garage sections. Using a saw, they removed a sizable portion of the disbonded floor, and then they hammered the old flooring all the way down to the concrete substrate. With the use of a **USI Epoxy Mortar Patch Kit** and **USI Flexible Broadcast Primer**, USI was then able to reconstruct the flooring.

After repairing all damaged areas, USI coated the whole Warehouse floor with two coats of **USI Epoxy Slurry** (to improve floor flexibility) and all other portions of the shop with one coat. USI After that, **USI High Build Epoxy in Grey** was applied all over the floor, then aluminum oxide was scattered into the epoxy to provide slip resistance. **USI Fast Cure Line Striping** was then

used to add Yellow Line striping to any areas that needed it.

### STAGE 2:

USI will grind the floor for an appropriate anchor profile once the Dock is underway. USI will use **Resimac 571 LW** to rebuild two bases centered around two columns.

**USI Flexible Broadcast Primer** will be used by USI to prime the entire floor. For a slip-resistant finish, USI will apply a topcoat of **USI High Build Epoxy in Grey**, Broadcasting aggregate all over. 

### PRODUCTS USED:

- USI EPOXY MORTAR PATCH KITS
- USI EPOXY SLURRY (LIGHT GREY)
- USI HIGH BUILD EPOXY (GREY)
- USI FAST CURE LINE STRIPING
- FLEXIBLE BROADCAST PRIMER
- ALUMINUM OXIDE

### IN PROGRESS:



### AFTER:



**Keeping You in the Know Since 2002**



# USI Dates to Remember

**January 9**

**Chicagoland AMPP (CRCUC) Vendor Day**  
(Harah in Joliet, IL)

**January 10**

**Great Lakes AMPP Lunch and Learn**  
(Ann Arbor, MI)

**January 11**

**Indiana Corrosion Society** (Fort Wayne, IN)

**February 12-16**

**AMPP/NACE CIP 2 or Corrosion Inspector classes**  
USI Group Headquarters (Wixom, MI)

**February 26-28**

**Indiana Corrosion Society Underground Corrosion Short Course** (Fort Wayne, IN)

## KNOWLEDGE HUB

[www.usigroups.com/knowledge-hub/](http://www.usigroups.com/knowledge-hub/)



### Understanding Horizontal Directional Drilling: Revolutionizing Underground Construction

Let's delve into the intricacies of what Horizontal Directional Drilling is and how it's reshaping underground construction.



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## PRODUCT HIGHLIGHT



### Peat Sorb

Peat Sorb is a lightweight non-biodegradable natural organic absorbent made from 100% Canadian Sphagnum Peat Moss. Absorbs cleanly and completely on contact. Clean ups are exceptionally quick and easy. Absorbs hydrocarbons instantly on land and on water. Leaves no messy residue to clean up. Suitable for manual or mechanical cleanup.

- Non-Toxic
- Non-Hazardous
- Silica-Free
- Non-Abrasive
- Vapor Suppressive
- Non-Leaching
- EPA Approved
- Coast Guard Approved
- Michigan State University Tested



### AVAILABLE:

- Easy to carry 5 liter containers
- Lose Fill Bags
- Sorbent Socks

**Call us @ 248.735.7000 for a FREE demonstration.**

<https://www.usigroups.com/?s=peat+sorb>



[www.usigroups.com/case-studies/compressor-station-trench-repair/](http://www.usigroups.com/case-studies/compressor-station-trench-repair/)

**Contact the USI team today! We have an Unconventional Solution for YOU!**

### The USI Team offers:

Technical Support • Training • Troubleshooting  
HOTSHOT & Same Day Local Deliveries available for orders placed by 2 p.m. EASTERN TIME

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**Fast, Friendly Service & Shipping**

