ECOBASE™
CONCRETE FORMS

# ECOBASE CASE STUDY

Wings Federal Credit Union –
Eden Prairie, Minnesota

## PROJECT OVERVIEW

**Mozey's Concrete & Masonry partnered with EcoBase to support the foundation construction for the Wings Federal Credit Union facility in Eden Prairie, Minnesota. The project required a forming solution that would improve installation efficiency, maintain tight footing dimensions, and keep the foundation phase on schedule despite varying site conditions.**

## Challenges

Traditional wood-forming methods created inefficiencies that affected both labor and material control. The project team needed a solution that could simplify installation while delivering consistent, high-quality results.

Key challenges included:

- **Labor-Intensive Process:** Conventional forming required extensive setup, stripping, and material handling.
- **Dimensional Control:** Maintaining tight footing profiles was critical to manage concrete usage.
- **Schedule Pressure:** Installation speed was essential to keep the project moving forward.
- **Jobsite Variability:** Changing site conditions, including dewatering and grade changes, required a durable and adaptable forming system.

## Ecobase Solution

EcoBase provided its stay-in-place concrete form system, replacing traditional wood forms with a more efficient and consistent alternative.

Key benefits included:

- **Eliminated Form Removal:** Stay-in-place system removed the need for stripping and reinstallation.
- **Streamlined Installation:** Pre-cut, bent, and labeled components simplified the layout and setup.
- **Labor Reduction:** Faster installation required fewer crew hours compared to wood forming.
- **Field Flexibility:** Components could be easily adjusted on-site without specialized tools.
- **Durable Performance:** Engineered material designed to withstand real jobsite conditions.

**KYLE WROBLESKI**
Sales & Business Development Representative
kwrobleski@turnstoneindustrial.com
P. (859) 556-8788

**GLOBAL HEADQUARTERS**
271 Gawthrop Drive
Winchester, KY 40391
P. (859) 745-8720

**WEST VIRGINIA**
25 Rodeo Drive
Fairmont, WV 26554
P. (304) 363-0868

ISO 9001:2015 CERTIFIED COMPANY
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## Results

- **Time Savings**: Installation completed much faster, adding up to 30% labor savings versus traditional forming methods.
- **Labor Efficiency:** Reduced manpower requirements with no form removal or material handling.
- **Material Control:** Improved footing accuracy helped minimize excess concrete usage.
- **Consistent Quality:** Clean, uniform foundation layout across the project.
- **Contractor Validation:** Crew reported significantly faster installation and plans for continued use on future projects.








## Contractor Testimonial

**"These forms went in so fast with no form removal, this product shaved 30% on labor for our footing install. We will definitely be using Ecobase in the future."**

- Troy Mozey



## Why It Matters

**For commercial foundation applications, EcoBase provides a more efficient alternative to traditional forming methods, helping contractors accelerate schedules, reduce labor demands, and deliver consistent, high-quality results from the ground up.**

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# ECOBASE CASE STUDY

Solid Earth Constructors – Arvada, Colorado

## PROJECT OVERVIEW

**Solid Earth Constructors partnered with Ecobase to streamline the installation of an extensive electrical duct bank system as part of a major infrastructure upgrade in Arvada, Colorado. The project required precision, speed, and cost-efficiency to meet schedule demands and ensure long-term performance.**




## Challenges

- Trenching widths and labor costs were rising due to traditional forming methods.
- Timeline constraints demanded a fast-track install and pour process.
- Environmental exposure in a high-traffic corridor required a durable solution.
- Native soil contained large rocks, resulting in wider than desired excavation and increased concrete usage.

## Ecobase Solution

Ecobase provided its stay-in-place concrete form system, replacing conventional wood forms. Key benefits included:

- **Reduced Excavation Width:** Narrower trenching due to slimmer form profile.
- **Labor Savings:** No form stripping or reinstallation required.
- **Efficient Installation:** Modular panel system enabled quick layout and bracing.
- **Improved Safety:** Cleaner, more organized trench during conduit setting.
- **Durable Performance:** UV-resistant, 100% recycled plastic sheathing with integrated vapor barrier.

## Results

- **Time Savings:** Install and pour completed 30% faster than prior methods.
- **Cost Efficiency:** Labor reduced significantly; no material waste or reuse handling.
- **Visual & Structural Integrity:** Clean pour lines, firm bracing support, and permanent form integrity.
- **Positive Feedback:** Site crew praised ease of use and trench stability.

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Conduit set and braced using Ecobase forms.

## Contractor Testimonial

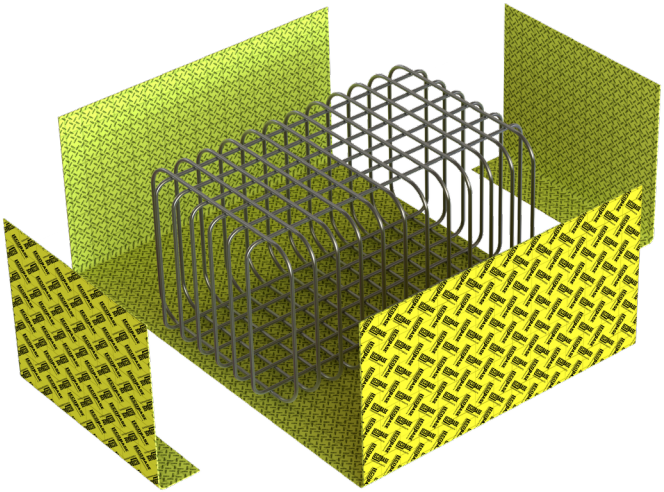
**“This was our first time using Ecobase for duct banks, and we were impressed. Faster install, easier to brace, and no more dealing with wood forms. It made the job smoother start to finish.”**

- Superintendent, Solid Earth Constructors

**Product Used:** Ecobase Stay-in-Place Forms

**Sector:** Utility Infrastructure

**Region:** Colorado Front Range





Final poured duct bank – forms remained in place, allowing backfill immediately after set.

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# ECOBASE CASE STUDY

St. Mary's Hospital Expansion –
Richmond, Virginia

## PROJECT OVERVIEW

**During the St. Mary's Hospital expansion in Richmond, Virginia, DPR used EcoBase stay-in-place concrete forms for several major foundation applications, including large perimeter footings, interior spread footings, and the tower crane base. This project showcased EcoBase's versatility across different footing configurations and its impact on labor, schedule, and jobsite efficiency.**




## Challenges

- Traditional panel forming requires crews to build and brace forms before the pour, then return to strip and remove them afterward.
- Numerous large perimeter and interior footings meant this extra labor and time added up across the project.
- The tower crane base was also originally planned with traditional panel forms, adding another full stripping and removal operation.
- Limited site space on a busy road within hospital property.

## EcoBase Solution

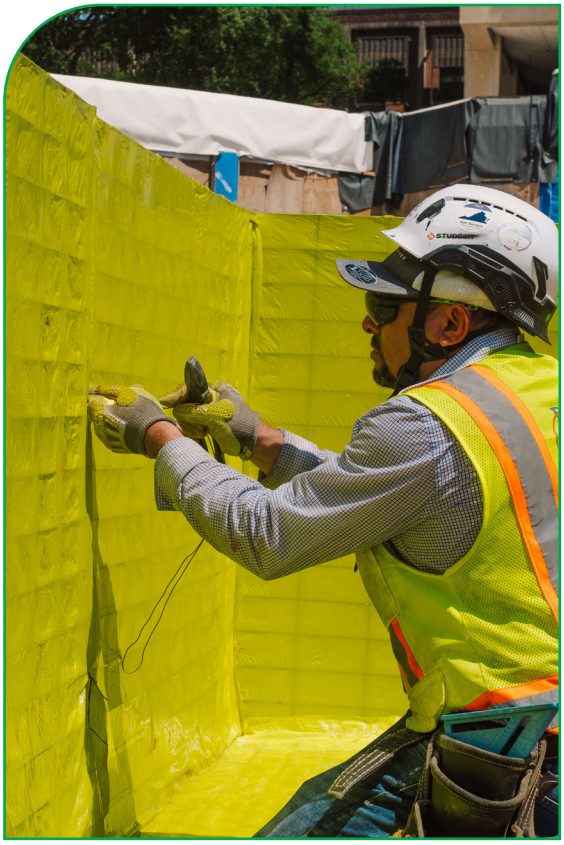
- Pre-cut, pre-bent EcoBase pieces were delivered to the jobsite ready for installation.
- EcoBase formed the vertical sides of both the large perimeter footings and interior spread footings.
- EcoBase forms remained permanently in place after the pour, eliminating stripping and removal.
- Mid-project, the team switched the tower crane base from traditional panel forms to EcoBase, proving the system's flexibility on a critical foundation element.

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**WEST VIRGINIA**
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## Results

- **Labor Savings:** Eliminated the post-pour stripping and removal operation across every footing type.
- **Schedule Efficiency:** Crews moved directly into the next construction phase without returning to remove forms.
- **Proven Versatility:** EcoBase successfully replaced the originally planned traditional forms on the tower crane base.
- **Simplified Installation:** Pre-cut, pre-bent pieces made field installation straightforward across all applications.





**Region:** Richmond, Virginia

**Product Used:** EcoBase Stay-in-Place Concrete Forms

**Contractor:** DPR

**Sector:** Healthcare / Commercial Construction



## Contractor Testimonial

*"Form it. Pour it. Leave it. Move on."*

-Project manager, DPR

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