PROJECT SPOTLIGHT:
EVENT CENTER

Decade of Durability: Event Center Roads Withstand Event Traffic Demands with Long-Term, Maintenance-Free Reliability

200-400%	100%	11
Increase in CBR Value versus Untreated	In-Place Material Stabilized	Years with No Major Maintenance or Repairs

CHALLENGES

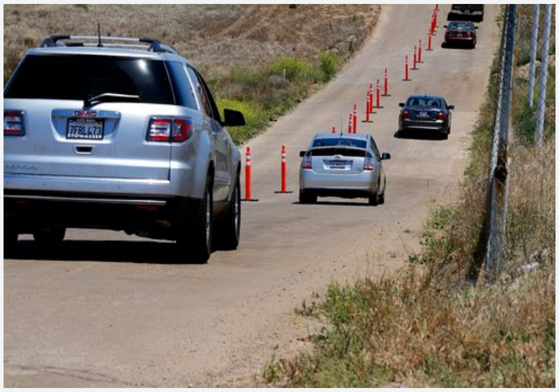
- Deliver a stabilized road capable of supporting high traffic volumes during major annual events, which typically experience between 5,000 and 8,000 vehicles per day.
- Work with the existing inconsistent roadway material - comprised of native A-3 silty soils and various aggregates that were applied over the years.
- Eliminate high dust levels during dry conditions and widespread erosion during rain events.
- Funded by donations, the solution must be cost effective and require very little maintenance over time to satisfy their tight budget.

SOLUTION

- Stabilize the upper 6″ of the existing road with Midwest's Soil Sement Engineered Formula® polymer to improve its load bearing capacity and durability.
- Apply a seal coat to the stabilized layer to improve its erosion resistance and deliver dependable dust control.
- Install Midwest's Embedded Aggregate surface on selected high trafficked sections for additional protection and all-weather durability.

RESULTS

- **Increased CBR Value by 200-400%:** Field tests demonstrated the CBR value increased from 10-15 to an average of 57 after stabilizing.
- **Long-Term Performance:** Over a decade has passed and the stabilized roads continue to be in excellent condition.
- **100% In Place Material:** Stabilizing the in place material eliminated the need to import additional materials – cutting costs, disruptions, and time.
- **Minimal Maintenance Solution:** The stabilized roads need only occasional minor upkeep - relieving the event center from frequent, intensive maintenance demands.



PROJECT SUMMARY

Location: California
Industry: Event Center
Customer: Community Event Center

The Community Event Center was faced with the challenge of improving their existing road infrastructure to support 5,000–8,000 vehicles daily during major events, with minimal maintenance work. Midwest stepped in, designing and delivering a robust stabilization strategy within a donation-based budget.

By stabilizing the top 6 inches of the existing roadway using Midwest's Soil Sement Engineered Formula® and Embedded Aggregate surface, the stabilized road was up to four times stronger, eliminated the need for costly new materials, and delivered a surface that has performed exceptionally well with minimal maintenance for more than a decade.

This cost-effective solution not only met their tight budget constraints but also ensured reliable access and minimal upkeep for over a decade, setting a proven framework for sustainable infrastructure upgrades across similar facilities.

LOOKING FORWARD

Building on the Event Center road stabilization project's success, similar facilities now have a proven strategy for managing high-traffic infrastructure using Midwest's Soil Sement Engineered Formula® and Embedded Aggregate surface. This approach delivers lasting durability, cost savings, and minimal maintenance, enabling sustainable upgrades to existing roads—even with limited budgets—while ensuring reliable access for years to come.