



Foundation Collaboration Subdivision Saved by Joint Operation



St. Louis, Missouri

RESIDENTIAL PROJECT OF THE YEAR FINALIST

This project was a massive undertaking. To handle such an enormous scope, Acculift Foundation Repair collaborated with EcoSpect to address multiple foundation failures across 225 buildings. Over several phases, the team repaired over 1,000,000 square feet of crawlspace area. The project required over 2500 square feet of carbon fiber, 2000 custom structural braces for damaged steel bar joists, and over 100 ECP crawlspace support post systems. 17 of the buildings required additional engineered solutions with steel piercing and fiber reinforced polymer stabilization to combat significant structural bi-directional movement patterns.



Acculift and EcoSpect partnered to negotiate provisions for a custom steel brace system, designed by the duo, to permanently brace 2000 deteriorated steel bar joists. The team approached multiple structural contractors to provide options for a viable approach. Partnering with ECP allowed for customized fabrication which saved the client up to 3.8 million dollars when comparing the bids. This kept the project within financial limits and prevented the condemnation of the buildings under city codes. Most importantly, this maintained Acculift, Ecospect, and ECP as the most viable contractors after outperforming multiple competing bids.



The brace design was improvised with classic out of the box thinking, and made possible with the competence, reliability, and customization of ECP products, services, and support. ECP delivered the 2000 custom braces on schedule and well within budget.