



Throughout the U.S. Army Corps of Engineers, the Kansas City District is known for expertise in floodwall design, flood wall retrofit designs and performing feasibility studies. The district is experienced in designing "T"- walls, "I"-Walls, "L"- walls, "gravity walls", "counterfort walls", "vertical drilled shaft with shotcrete fascia" walls and "closure structures" for major flood control projects. The structural engineers are also highly experienced in designing shallow foundations for floodwalls and deep foundations such as drilled piers, auger cast piles, timber piles and "H" piles for major flood control projects. With extensive knowledge and experience to inspect and evaluate various components, identify structural deficiencies and provide repair recommendations for existing floodwalls and closure structures, the Kansas City District is a technical leader in flood control designs that remains focused on quality (ISO 9001 Certified) and customer satisfaction.



The district's structural engineers have thorough knowledge of design code requirements and have performed floodwall designs for three large flood control projects and feasibility studies for four major levee projects in the last 10 years. As leaders throughout the Corps of Engineers with experience and knowledge of levee feasibility study criteria and requirements, the district continuously collaborated with Headquarters in development and enhancement of levee feasibility study guidance.

The Kansas City District is deemed as national leaders for the Corps of Engineers due to technical expertise for perform design of new flood walls and retrofit design of structurally deficient flood walls. In 2011, Kansas City District completed the design and construction of "vertical concrete drilled shaft" floodwall for Lower Turkey Creek channel in Kansas City, Missouri.

The district staffs six registered professional engineers with over 50 years of combined experience.

Point of Contact:  
Siv Sivakumar  
816-389-3249

Key Messages	Facts & Figures
<ul style="list-style-type: none"> <li>● District is known nationwide for their expertise in floodwall design</li> <li>● Staff of 6 registered professional engineers with over 50 years of experience</li> <li>● Repeated business nationwide, not only due to technical expertise, but also responsiveness, dependability and attention to detail</li> </ul>	<ul style="list-style-type: none"> <li>● Designed 7,400 ft length "T" walls, 700 ft length "I" walls, 2 rolling gates and 5 stoplog gap structures for L-385 levee project for Kansas City, MO in 2004</li> <li>● Designed 1,300 ft drilled shaft/ concrete fascia floodwalls, 170 ft "T" walls and 25 ft gravity wall for Lower Turkey Creek project in Kansas City, Missouri in 2011</li> <li>● Designed strengthening and retrofit floodwalls for BPU-Fairfax, Kansas City, MO to strengthen approx 1,000 linear ft over 24 monoliths in 2013</li> </ul>

**U.S. ARMY CORPS OF ENGINEERS – Kansas City District, Northwestern Division**

601 East 12th Street, Kansas City, MO 64106

<http://www.nwk.usace.army.mil>