



River engineering is the process of planned human intervention in the course, characteristics, or flow of a river with the intention of producing some defined benefit. Benefits can include navigability, erosion protection, aquatic habitat improvement, flood damage reduction, and bed stabilization. Data gathering to aid design of future projects and to aid on-going monitoring of existing projects is a critical tool of river engineering.

Kansas City District River Engineering Overview:

- Staffs 10 employees
- 5 Professional Engineers; 3 Engineers in training; 1 Engineer with Ph.D; 7 Engineers with master's degrees
- 1 Contracting Officer Representative; 1 Geographic Information Systems Specialist; 1 Riverine Data Collection Specialist
- Experience in a variety of River Engineering projects: bank stabilization, navigation channel design, aquatic habitat improvement, stream grade control, sediment studies, geomorphic change detection
- Fully equipped to collect and process hydrographic surveys and velocity cross sections (acoustic Doppler current profiles) on small and large rivers



MISSION STATEMENT: Provide river engineering services for all riverine projects within the Kansas City District's Area of Responsibility.

VISION STATEMENT: The River Engineering Section will be comprised of a high performing workforce with the correct mix of expertise in engineering and geomorphology to produce quality designs compatible with the dynamic nature of river systems.

Key Messages

- Full staff of professionals (Professionally Registered Engineers, GIS Specialist, Data Collection Specialist)
- Experience in a wide variety of river engineering projects
- Designs and studies incorporate the dynamic aspects of river systems which provides for superior results