KANSAS
Big Blue River-Floodplain Management Plan

**Project Description**
- Public Involvement Pilot Project (USACE IWR)
- Floodplain Management Plan (FMP)
- This is a strategic plan that describes flood hazards, documents decisions made on managing flood risks, and formalizes an action plan with specifics and schedules
- Key part is public review of nonstructural measures like home elevation

**Flood Risk Reduction Outcomes** (on going)
- Identifies current flood risks clearly by reach
- States goals tied to problems (depth, velocity, rate of rise, etc)
- Establishes future action plan with who does what and when
- Organizes the next step in pursuing action items towards comprehensive flood hazard mitigation work
- Develops a new freeboard ordinance (example action item)
- BFE+2 feet requirement for managing future development
- Creates a systems approach tied watershed boundaries
- Engages the public in decision process
- Ties action items to county (local) hazard mitigation plan

**Challenges Overcome / Continuing Challenges**
- Coping with public interest on flood insurance map revision and reform
- Addressing public misconceptions of risk level managed below a dam
- Gaining public understanding of actions that would be most cost effective, as a thorough review of all possible structural and nonstructural measures
- Coordinating a series of work groups
- Evaluating future conditions runoff

**Successes/Best Practices**
- Harnesses the window of opportunity during FEMA county-wide map revision and NFIP Reform
- Evaluates full menu of measures (structural and nonstructural) and narrowing to the right tools
- Captures a decision history for managing floods
- Evaluates future development runoff to vet the validity of a freeboard ordinance with public
- Gives FEMA Community Rating System credit

**Partners and Project Cost**

<table>
<thead>
<tr>
<th>Agency</th>
<th>Investment</th>
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<tbody>
<tr>
<td>Communities</td>
<td>$200K In-kind</td>
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<td>Kansas Hazard Mitigation Team</td>
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<td>FEMA</td>
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<td>IWR Public Participation CoP Pilot</td>
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<tr>
<td>USACE Nonstructural Flood Proofing Committee</td>
<td>$3k plus additional in-kind</td>
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</tbody>
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**TOTAL** $295,000

**USACE Project Point of Contact**
Brian Rast
Kansas City District
Floodplain Management Plans
The Universe of Flood Risk Management Measures

Typical Nonstructural Techniques

- Elevation
- Fill Basement with Main Floor Addition
- Acquisition
- Wet Flood Proofing
- Floodwalls/Berms
- Dry Flood Proofing
- Relocation
- Flood Warning System
- Land Use Regulations
- Floodplain Management Plans
- Flood Insurance
- Floodplain Evacuation
- Emergency Preparedness