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Omaha District

# Red Oak Creek at Red Oak, Iowa

- Flood damage reduction feasibility study
- Substantial flood threat from Red Oak Creek caused by:
  - High flows on Red Oak Creek
  - Ponding behind East Nishnabotna River levee when interior drainage gates for Red Oak Creek are closed



FY07	\$0
FY08 (P)	\$0
FY08 (C)	\$175k



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## Red Oak Creek at Red Oak, Iowa Feasibility Study

Authority: Section 205, Flood Control Act of 1948, as amended  
Sponsor: City of Red Oak, Iowa



**LOCATION AND DESCRIPTION:** The City of Red Oak lies on the right bank of the East Nishnabotna River. Red Oak Creek flows through the center of the town, including the downtown central business district, and enters the Nishnabotna River through a gated closure structure on the East Nishnabotna River levee just to the west of the City.

**PROBLEM AND NEED:** The City of Red Oak is protected from flooding on the East Nishnabotna River by a Federal levee system along the left bank of the River. That levee system includes a large closure structure where it crosses Red Oak Creek to prevent East Nishnabotna floodwaters from backing up through the Creek and flooding the City. Severe overbank flooding with resulting urban

damages along Red Oak Creek could be realized if the East Nishnabotna River is at flood stage, and the closure structure is closed while Red Oak Creek is experiencing high flows. In addition, normal high flows on Red Oak Creek even while the gates remain open would also cause substantial flooding with the City. According to a 1980 study, there are approximately 438 residential and commercial structures within the 100-yr floodplain of Red Oak Creek.

**PROPOSED ACTIVITIES FOR FY08:** The amount that could be used would be to sign the Feasibility Cost Sharing Agreement (FCSA) in the 1st Quarter and then initiate the cost-shared portion of the feasibility study. Initial efforts would focus on baseline topographic mapping and detailed hydraulic and economic problem identification analyses.

<b>Financial Data</b>	<b>Amount</b>
FY07 Anticipated Allocation	\$0
FY08 Budget Request	\$0
FY08 Capability	\$175,000

**ISSUES AND OTHER INFORMATION:** This project was not included in the FY 2008 President's Budget due to budget priorities and constraints. The Corps of Engineers currently has a moratorium on the execution of any new Feasibility Cost Share Agreements for FY 2007.