



Cedar Rapids: Data and Tools Used in Planning and Carrying Out a Successful Resilience Strategy

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City of Cedar Rapids, Iowa

2008 Flood Strikes Cedar Rapids

\$5.4 billion in community-wide damage

\$1.064 billion over 10 years for City recovery

More than 10 square miles inundated by floodwaters

14% of the City and 1,126 city blocks impacted

42 tons of flood debris removed



Recovery Priorities Set

People and Housing

18,623 people living in flood-impacted area
10,000 residents displaced
5,900 residential properties damaged

Business Interests

1,360 jobs lost
1,133 commercial properties flooded

Public Buildings

310 City facilities damaged or destroyed
Major City facilities destroyed:
City Hall
Central Fire Station
Transit Hub
Public Library
Animal Control
Water Pollution Control Facility



Recovery Planning

River Corridor Reinvestment Plan

- Initiated with the Army Corps of Engineers
- Established Flood Control System boundaries
- Determined where re-building could occur

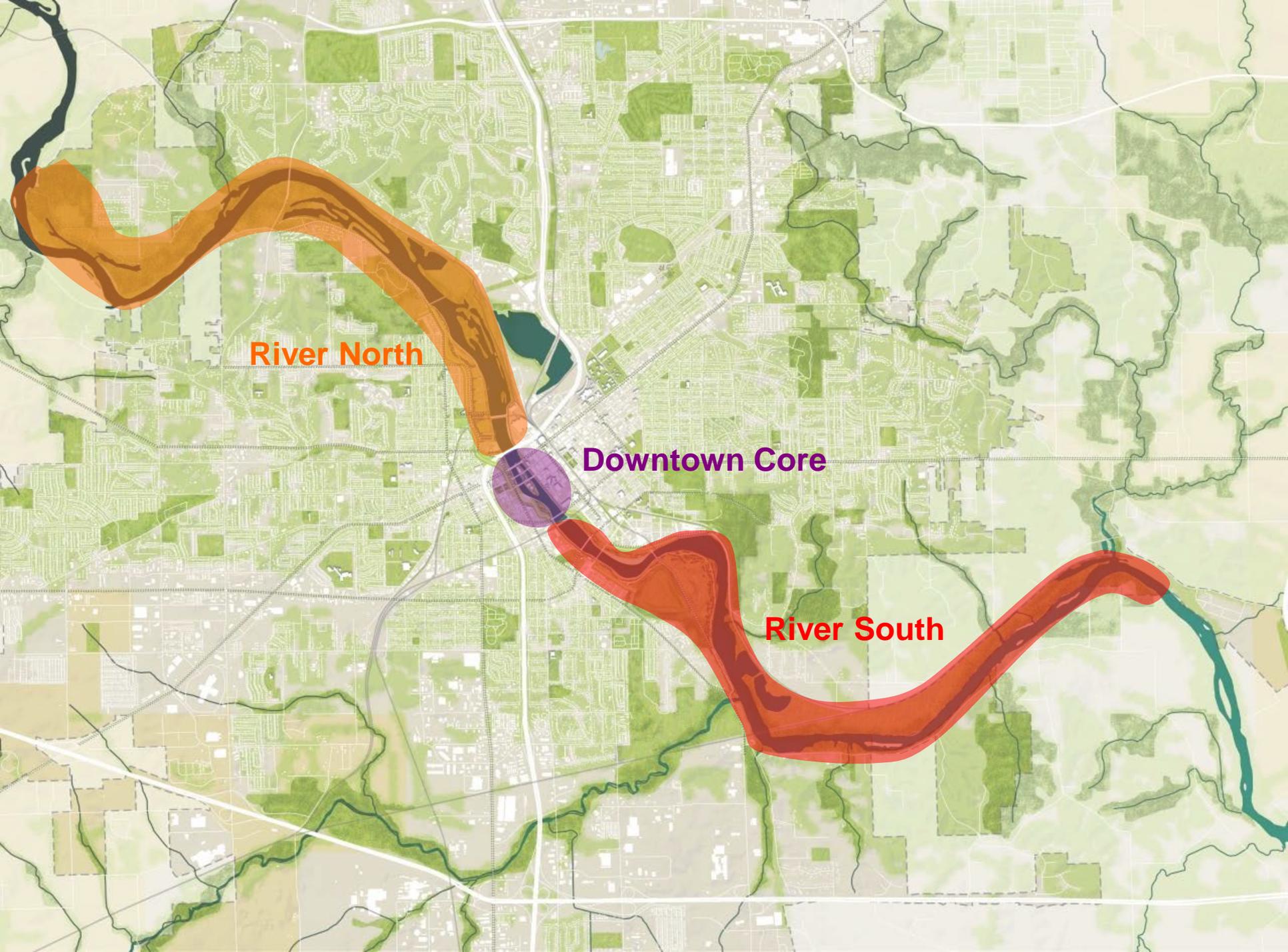
Neighborhood Planning Process

- Ten neighborhoods defined
- Provided a framework for neighborhood recovery

Downtown Revitalization

- Building on previous work
- Demonstrated the value of plans





River North

Downtown Core

River South

Housing

1,400 properties voluntarily acquired at 107% of pre-flood value

Funded through CDBG and HMGP for \$128M

1,900 structures demolished

900 new homes constructed with incentives provided to homebuyers

2,400 homes repaired and rehabilitated



Housing

Rental housing assistance
Housing rehabilitation assistance
Interim mortgage assistance
Demolition assistance
Voluntary acquisition program
Personal Possessions Program



Business Recovery

Five year Business Retention:
National Average: 55%
Cedar Rapids: 82%



More than \$86 Million in assistance provided to over 600 Businesses
for Rent, Equipment, Loan Interest supplements, Flood Insurance
Jumpstart Program -- \$19 Million
Expanded Programs -- \$55.6 Million
Steam Buy Down/Conversion -- \$11.5 Million



City Facilities

With more than 310 City facilities flooded, a number of remarkable building recoveries were made.

Central Fire Station: \$20 Million
Paramount Theatre: \$36 Million
City Services Center: \$36 Million



Public Library: \$45 Million
Historic City Hall: \$10 Million
Animal Care & Control: \$5 Million



Permanent Flood Control

Cedar Rapids Flood Control System

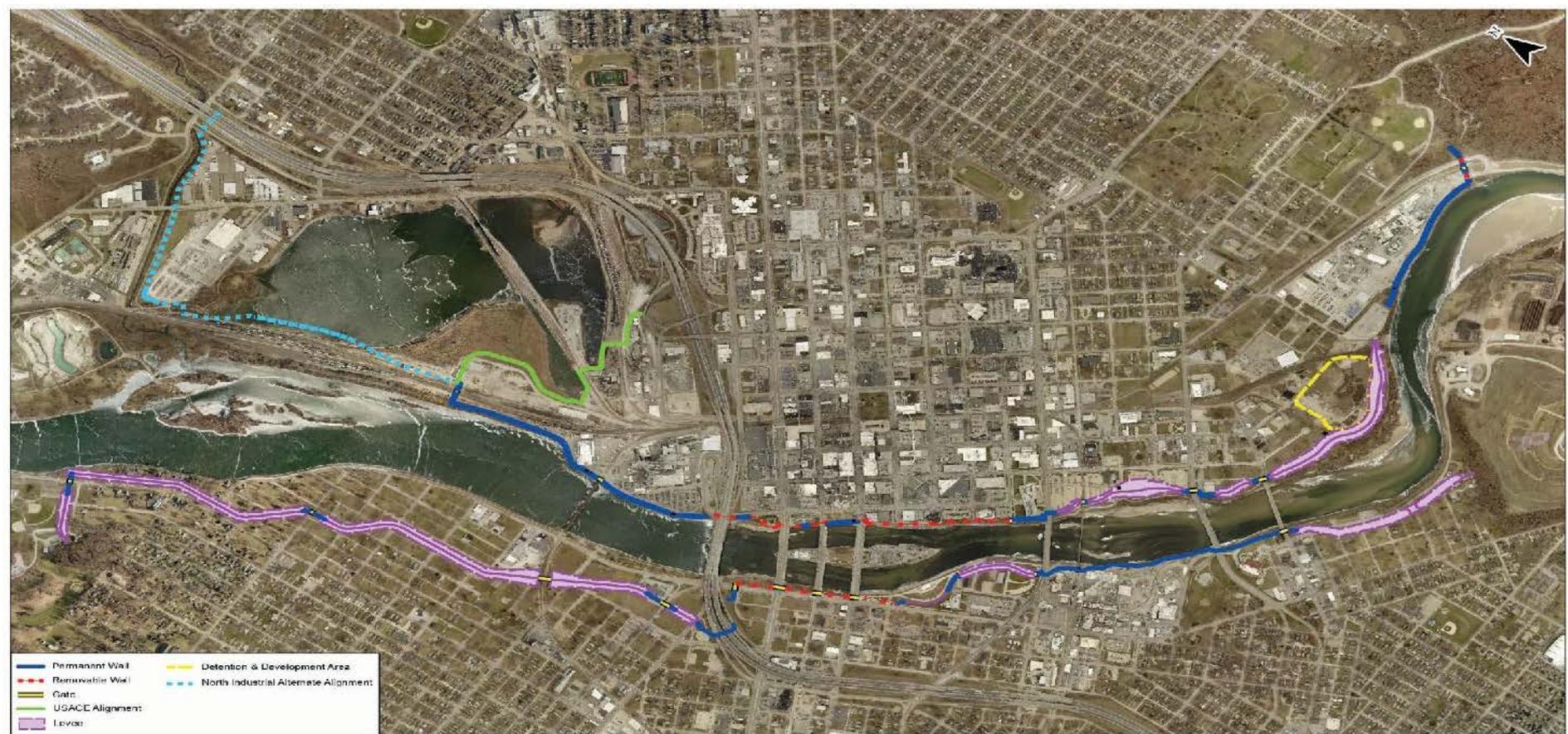
\$550 Million total project cost (\$750M over 20 yrs)
\$117 Million – Federal US Army Corps of Engineers
\$267 Million – State of Iowa/Sales Tax Growth
\$268 Million – City Bonding



Designed to convey the same water volume as the Flood of 2008, reducing flood risk throughout Cedar Rapids. Consists of a series of floodwalls, levees, gates, and removable walls on both the east and west sides of the river. Community amenities such as trails and greenway space are key components of the system.



Flood Control System Overview





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