150 miles of waterways > 86 project sites > 14 cities and counties

THE DAM PLAN

What we can do. How we can do it.
#THEDAMPLAN
What we can do.
INITIATIVE 2 | GREENWAYS

BUILD A FULLY-CONNECTED SYSTEM OF NATURAL RESOURCE AREAS BY SELECTIVELY EXPANDING THE EXISTING NETWORK OF PARKS, CONSERVATION AREAS, OPEN SPACE, AND TRAILS.
Iowa’s First Regional Water Trails Plan

• 150 miles of creeks and rivers
• Adopted November 2016
Variety of User Experiences
ENGINEERING STUDY
Thank you to the Engineering Study funders

• Leadership Circle of the Community Foundation of Greater Des Moines – $205,000
• Area jurisdictions – $196,000
  – Includes: Altoona, Ankeny, Bondurant, Carlisle, Clive, Des Moines, Grimes, Johnston, Mitchellville, Norwalk, Pleasant Hill, Urbandale, Waukee, West Des Moines, Windsor Heights, Polk County, Van Meter, and Warren County
• Greater Des Moines Convention and Visitors Bureau – $30,000
• Greater Des Moines Partnership – $30,000
• Polk County Conservation – $30,000
• Des Moines Area Association of REALTORS – $16,500
Water Trails Engineering Study

Regional Projects

Downtown Dams
REGIONAL STUDY
Walnut Creek, Colby Park, Windsor Heights
Des Moines River – Euclid Ave at River Place Complex, Des Moines
Des Moines River – Prospect Park, Des Moines
Des Moines River – Harriet Street, Des Moines
Beaver Creek, near Merle Hay Road, Johnston
Raccoon River – SW 63rd Street, Des Moines
Walnut Creek, Walker Johnston Park, Urbandale
North River, Carlisle Municipal Park, Carlisle
Des Moines River, near Yellow Banks, Pleasant Hill
Purple Martin Water Resource Recreation Area, near Raccoon River, West Des Moines
Raccoon River, portage to Blue Heron Lake, West Des Moines
South Skunk, Chichaqua Bottoms, Maxwell
<table>
<thead>
<tr>
<th>CREEK</th>
<th>TOTAL:</th>
</tr>
</thead>
<tbody>
<tr>
<td>BEAVER CREEK</td>
<td>$2.3 million</td>
</tr>
<tr>
<td>DES MOINES RIVER</td>
<td>$2.8 million</td>
</tr>
<tr>
<td>FOURMILE CREEK</td>
<td>$1.3 million</td>
</tr>
<tr>
<td>MIDDLE RIVER</td>
<td>$200,000</td>
</tr>
<tr>
<td>MUD CREEK</td>
<td>$34,000</td>
</tr>
<tr>
<td>NORTH RIVER</td>
<td>$66,000</td>
</tr>
<tr>
<td>RACCOON RIVER</td>
<td>$2.8 million</td>
</tr>
<tr>
<td>SKUNK RIVER</td>
<td>$256,000</td>
</tr>
<tr>
<td>WALNUT CREEK</td>
<td>$1.3 million</td>
</tr>
<tr>
<td>GRAND TOTAL</td>
<td>$11 million</td>
</tr>
</tbody>
</table>
DOWNTOWN STUDY
Primary Objectives

- Activate downtown rivers
- Improved habitat and fish passage
- Improve safety – eliminate drowning machines
- No impact to floodplain
- Maintain upstream pool of water
- No modifications to existing bridges and levees
- Safe portage for flat-water vessels
- Support water quality efforts and build stewardship for the water
Fleur Drive Dam > Learn and Play
THE DAM DEBATE III

Fleur Drive Dam > Learn and Play

- Local: 7%
- Local to Regional: 29%
- Regional: 63%
- National to International: 0%
Downtown Des Moines Water Trails Engineering Study

Fleur Drive Dam > Learn and Play

Woodland
Parking
Drop Off
Bypass
In-River
Down Stream
Up Stream

Gray's Station
Levee
Raccoon River
Berm
Gray's Lake

Portage
Island
Drop 1
Drop 2
Fleur Drive Dam > Learn and Play
## Fleur Dam > Preliminary Comparative Budgets

### Comparative Budget (2018 dollars)

<table>
<thead>
<tr>
<th>Category</th>
<th>Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>In-River Improvements</td>
<td>$25 million</td>
</tr>
<tr>
<td>Upland Amenities</td>
<td>$2.8 million – $3.1 million</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$27.8 million – $28.1 million</strong>*</td>
</tr>
</tbody>
</table>

* Moving downstream to alternative site shaves about $2 million by eliminating need for additional parking, access street and levee work.

### Notable variables
- Lighting and power
- Landscaping
- Furnishing
- Signage and wayfinding
Scott Avenue Dam > The Nature Connection
Scott Avenue Dam > The Nature Connection
Notable variables

- Signage
- Landscaping
- Lighting and power

<table>
<thead>
<tr>
<th>Improvements</th>
<th>Comparative Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>In-River Improvements</td>
<td>$16.5 million</td>
</tr>
<tr>
<td>Upland Amenities</td>
<td>$3.3 million - $5 million</td>
</tr>
<tr>
<td>Total</td>
<td>$19.8 million - $21.5 million</td>
</tr>
</tbody>
</table>
Center Street Dam > A High Energy Adventure
Local
Regional
Local to Regional
National to International

Center Street Dam > A High Energy Adventure

- Local: 8%
- Local to Regional: 11%
- Regional: 82%
- National to International: 0%
Center Street Dam > A High Energy Adventure

- Des Moines River
- Women of Achievement Bridge
- Des Moines Armory
- Skatepark
- Iowa Event Center
- Wells Fargo Arena
- Grand Avenue Bridge
- Robert D. Ray Dr.
Notable variables
- Lighting and power sourcing
- Landscaping
- Adjacent streets improvements
- Concession building
- Sidewalks
- Play structure
- Interactive fountain
- Zipline
- Bouldering course
- Skatepark
- Furnishings
- Signage and wayfinding
## Downtown Projects Combined > Preliminary Comparative Budgets

Downtown Des Moines Water Trails Engineering Study

<table>
<thead>
<tr>
<th>In-River Improvements</th>
<th>$76 million</th>
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</thead>
<tbody>
<tr>
<td>Upland Amenities</td>
<td>$11.6 million – $30.1 million</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$87.6 million – $106.1 million</strong></td>
</tr>
</tbody>
</table>
## Total Combined Costs

<table>
<thead>
<tr>
<th>Comparative Budget (2018 dollars) *</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>In-River Improvements</td>
<td>$76 million</td>
</tr>
<tr>
<td>Upland Amenities</td>
<td>$11.6 million – $30.1 million</td>
</tr>
<tr>
<td>Regional Projects</td>
<td>$11 million</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$98.6 million – $117.1 million</strong></td>
</tr>
</tbody>
</table>

* Does NOT include funding for a maintenance endowment.
How we can do it.
Public-Private Partnership

Region has shown capacity to come together to make transformational projects happen.

- National case study for public-private partnership
- Funding
- Operations
Objectives for Moving Forward

• Continuity
  o Move process forward quickly and seamlessly
  o Ensure coordination of multiple project element

• Provide near-term solution for near-term needs, e.g.:
  o Fundraising Feasibility Study & Fundraising
  o Economic Impact Study
  o Branding, marketing, website development, public education

• Set stage to address long-term needs, for example:
  o Include process for determining long-term regional coordination
  o Develop policies for regional coordination
  o Establish long-term, sustainable funding and maintenance
WATER TRAILS LEADERSHIP TEAM

Board- and executive-level leaders from key partners, industries, interests

- Capital Crossroads leadership
- Reps from Water Trails Advisory Committee
- Select elected officials
- Select business leaders
- MPO
- Great Outdoors Foundation
- Convention and Visitors Bureau

- Greater Des Moines Partnership
- Community Foundation
- Polk County Conservation
- Iowa DNR
- Iowa Rivers Revival
WATER TRAILS IMPLEMENTATION TEAM

Strategic staff from key partners, industries, interests

• Capital Crossroads staff
• MPO
• Great Outdoors Foundation
• Convention and Visitors Bureau
• Greater Des Moines Partnership
• Community Foundation
• Polk County Conservation
• Iowa DNR
• Select business leaders
• Water trails specialist
Funding Feasibility Study

Great Outdoors Foundation leading funding feasibility study

- Timeline: Summer – Fall 2018
- Develop understanding of funding options at local, state and federal levels
- Measure willingness and capacity for private gifts
Thank you to Feasibility Study Funders

• Greater Des Moines Partnership
• Greater Des Moines Committee
• Community Foundation of Greater Des Moines
• Hubbell Realty Co.
• Catch Des Moines
• Polk County
• Des Moines Area MPO
Long-term sustainability

A key focus of water trails going forward is planning for the long-term sustainability of the network.

- Maintenance
- Operations
- Emergency responses
- National marketing
- Public education on water recreation
Statewide, we know of significant impact

Iowa outdoor recreation generates...

$8.7 Billion in annual consumer spending

83,000 direct jobs

$2.7 Billion in wages + salaries

$649 Million in state + local tax revenue
Coming soon: Greater Des Moines Economic Impact Study

ISU economist being contracted to develop Economic Impact Study for Water Trails Plan.
  o Timeline: Summer 2018
**Multi-year process**

**Near-Term**
- Funding Feasibility Study
- Economic Impact Study
- Fundraising

**Mid-Term**
- Plans finalized for regional coordination
- Some regional projects enter construction
- Downtown projects enter final design and permitting

**Long-Term**
- Downtown projects enter construction
Questions?
Panelists

Rick Tollakson, Hubbell Realty Co.
Tom Hadden, West Des Moines
Scott Sanders, Des Moines
Rich Leopold, Polk County Conservation
Kristi Knous, Community Foundation
Jay Byers, Greater Des Moines Partnership
Todd Ashby, Des Moines Area MPO
Hannah Inman, Great Outdoors Foundation

Moderator: Gunnar Olson, Des Moines Area MPO
150 miles of waterways > 86 project sites > 14 cities and counties

THE DAM PLAN

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