

2003 Annual Program Management Report



Des Moines Recreational River & Greenbelt

Des Moines River, Iowa
OCTOBER 2003



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of Engineers®
Rock Island District



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2003 ANNUAL PROGRAM MANAGEMENT REPORT
DES MOINES RECREATIONAL RIVER AND GREENBELT
DES MOINES RIVER, IOWA

OCTOBER 2003

EXECUTIVE SUMMARY

COVER PHOTO/DESCRIPTION

Completed Greenbelt projects: an evening shot of the Downtown Riverfront Plaza & Amphitheater in Des Moines trumps three shots of the popular Multi-Purpose Trail at Lake Red Rock. Since its completion, the Plaza & Amphitheater has been renamed. It is now known as the Simon Estes Amphitheater.

2003 PROGRAM STATUS

For the years 1995 through 2002, due to a lack of Federal funding for the *Des Moines Recreational River and Greenbelt* program, no Annual Program Management Reports were prepared. Congress appropriated \$1 million in FY03 for Greenbelt projects. Prior to the FY03 appropriation, no funds had been appropriated since FY95. There are 136 separable projects listed in the Greenbelt Master List of Projects. Prior to 1995, 23 Greenbelt projects were initiated—12 of these projects have been completed and the 11 remaining projects were terminated or put on hold.

2003 ANNUAL PROGRAM MANAGEMENT REPORT RECOMMENDATION

For the 2003 Annual Program Management Report, the Advisory Committee made the following recommendations: (1) the addition of one potentially 100% Federal project to the Master List of Projects; (2) the addition of two potentially cost-shared projects to the Master List of Projects; and (3) the preparation of Engineering Documentation Reports (EDRs) (formerly known as Feature Design Memoranda), for each of these newly recommended projects.

PROPOSED ADDITIONS TO THE MASTER LIST OF PROJECTS

The Advisory Committee recommends that the following potential projects be added to the Master List of Projects (see Appendix B for project listings).

- 1. Cordova Center on the Rock** – The Marion County Conservation Board and Iowa Department of Natural Resources seek development of a cooperative environmental learning center and associated facilities at Cordova Park adjacent to Lake Red Rock. Cordova Park is Federal fee title land, which is outgranted to and managed by the Marion County Conservation Board. Potential components of the project include: an Environmental Learning Center, Performing Arts Amphitheater, Volksweg Trail Expansion, Outdoor Interpretive Facilities, Cabin Expansion, Picnic Facility

Modernization, and Entrance Road Relocation. However, current Corps of Engineers regulations prevent the use of Federal funds for certain types of facilities; therefore, some components of this project, to be determined in the EDR, may have to be constructed at non-Federal expense.

Planning, design, and construction of eligible facilities will be conducted at 100% Federal expense. Project stakeholders are actively seeking legislation that would expand the current list of eligible facilities to include environmental learning centers, cabins, and outdoor interpretive facilities. All of these facilities are to be located on Federal lands.

Another Greenbelt project, currently in final design, is the 5-mile-long Volksweg Trail Expansion (Red Rock Trail segment IVB), which, when completed, will connect Cordova Park with other completed Lake Red Rock facilities.

- 2. Des Moines Riverfront** – In order to increase interaction with the Des Moines River and create opportunities to connect adjacent development and neighborhoods, the Master Plan for a riverfront improvement project in downtown Des Moines includes the following features: river-spanning pedestrian bridges; a central trail-hub; parks; walking trails; open green spaces and related facilities; and the central unifying element, a *Riverwalk loop*, consisting of 1.2 miles of shared-use path, with more than 2 additional miles of trail linkage to other trails, features, and facilities.

Planning, design, and construction activities necessary to develop a Greenbelt project would be conducted at a 50% Federal cost share. The City of Des Moines is the sponsor, while the Principal Financial Group, headquartered in downtown Des Moines, expects to contribute approximately \$10 million to the City for the project.

- 3. Fort Dodge Riverfront Development and Trails** – The City of Fort Dodge has completed a Riverfront Master Plan to transform a riverfront industrial area along the Des Moines River into a low-intensity recreational development. The Master Plan calls for the following: (1) restoration of the natural environment through streambank stabilization, fishery enhancement, and remediation of potential contaminants; and (2) the development of diverse recreational features, to include fishing and boating facilities, pedestrian bridges, a campground, passive recreation areas, and riverfront trails, including a trail connecting the Fort Dodge riverfront to the Brushy Creek State Recreation Area.

Planning, design, and construction activities necessary to develop a Greenbelt project would be conducted at a 50% Federal cost share for recreational facilities and 65% Federal cost share for environmental restoration and streambank stabilization features. Corps of Engineers regulations prevent the use of Federal funds to remediate hazardous, toxic, and radioactive wastes (HTRW) on non-Federal land; therefore, the sponsors will be responsible for 100% of such costs. The sponsors are the City of Fort Dodge and Webster County.

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SECTION 1 - INTRODUCTION

AUTHORIZATION

The Des Moines Recreational River and Greenbelt (hereinafter referred to as *the Greenbelt*) was authorized on August 15, 1985, by Public Law 99-88, the 1985 Supplemental Appropriations Act. Additional Greenbelt legislation is contained in Section 102 of Public Law 99-500, Fiscal Year 1987 Continuing Resolution Act, and Section 604 of Public Law 99-662, the Water Resources Development Act of 1986.

Greenbelt legislation also is contained in 101 Stat. 1329-109, Energy and Water Development Appropriations Act, 1988, Public Law 100-202, dated December 23, 1989, as shown below:

“The Secretary of the Army, acting through the Chief of Engineers, is directed to continue with planning, design, engineering and construction of the Des Moines Recreational River and Greenbelt project in accordance with the General Design Memorandum dated September 1987 and Public Law 99-591 using funds heretofore, herein, or hereafter appropriated.”

The most recent Greenbelt legislation is contained in Section 122 of the FY 2003 Omnibus Appropriations Act, Public Law 108-7. This legislation provided the Greenbelt project with \$1 million.

GENERAL DESIGN MEMORANDUM

In accordance with Public Law 99-88, the overall objective of the project will be to provide central Iowa and the Des Moines metropolitan area with environmental protection of scarce river bottom timberlands and to greatly enhance opportunities for recreation. The primary objectives of the Greenbelt study were outlined by the Assistant Secretary of the Army (Civil Works) in a letter to Congressman Neal Smith, of Iowa, dated October 4, 1985. In accordance with the letter, the Corps of Engineers proceeded to execute the following instructions:

“The General Design Memorandum provides both a comprehensive plan and a plan for initial development, should it be determined that the total cost of the comprehensive plan exceeds resource availability for the near term. A division of responsibility between Federal and non-Federal interests, together with priorities for implementation as you envisioned during our September 25th meeting, also will be developed. In general, it is the Corps’ intention during preparation of the General Design Memorandum to address issues as the following:

- *Identification of boundaries for, and features of the Recreation and Greenbelt area;
- *Evaluation of benefits (outputs) and costs;
- *Responsibility for operation, maintenance, and replacement;
- *Concerns of State and local officials to be considered in developing the plan to be implemented; and
- *Assurances of local cooperation from local sponsors.”

The General Design Memorandum was approved on August 1, 1988.

APMR PURPOSE

In accordance with the recommendation contained in the General Design Memorandum (GDM) for the Des Moines Recreational River and Greenbelt, dated September 1987, the Corps of Engineers will prepare Annual Program Management Reports (APMRs). The purpose of the reports will be to update the Greenbelt master plan and to recommend projects for the preparation of Engineering Documentation Reports (EDRs) (formerly known as Feature Design Memoranda, or FDMs). The Greenbelt master plan is principally comprised of the Master List of Projects (Appendix A), which includes the following four categories of projects: (1) completed, (2) cost-shared, (3) 100-percent Federal, and (4) 100-percent non-Federal, as described in the GDM and as updated in the APMRs. The Corps of Engineers will recommend the preparation of EDRs for those projects for which the local sponsors have submitted Letters of Assurance (LOAs).

PROJECT LOCATION

The Des Moines Recreational River and Greenbelt is located along the Des Moines, Boone, and Raccoon Rivers in central Iowa. The Greenbelt boundary includes portions of Boone, Dallas, Jasper, Hamilton, Mahaska, Marion, Polk, Warren, and Webster Counties, the City of Des Moines, and numerous other communities. The project encompasses Federal, State, county, and local park areas, including two major Corps of Engineers reservoirs at Saylorville Lake and Lake Red Rock, and private lands. The Greenbelt boundary is shown in Figure 1 on page 3.

LEGAL BOUNDARY DESCRIPTION

The Greenbelt boundary is defined in Committee Print 101-47 of the Committee on Public Works and Transportation of the House of Representatives, dated July 1990, as referenced in Public Law 101-640, dated November 28, 1990. Committee Print 101-47 references the

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map on file with the Rock Island District Engineer, which also describes the Greenbelt boundary. The boundary encompasses an area of about 410,000 acres.

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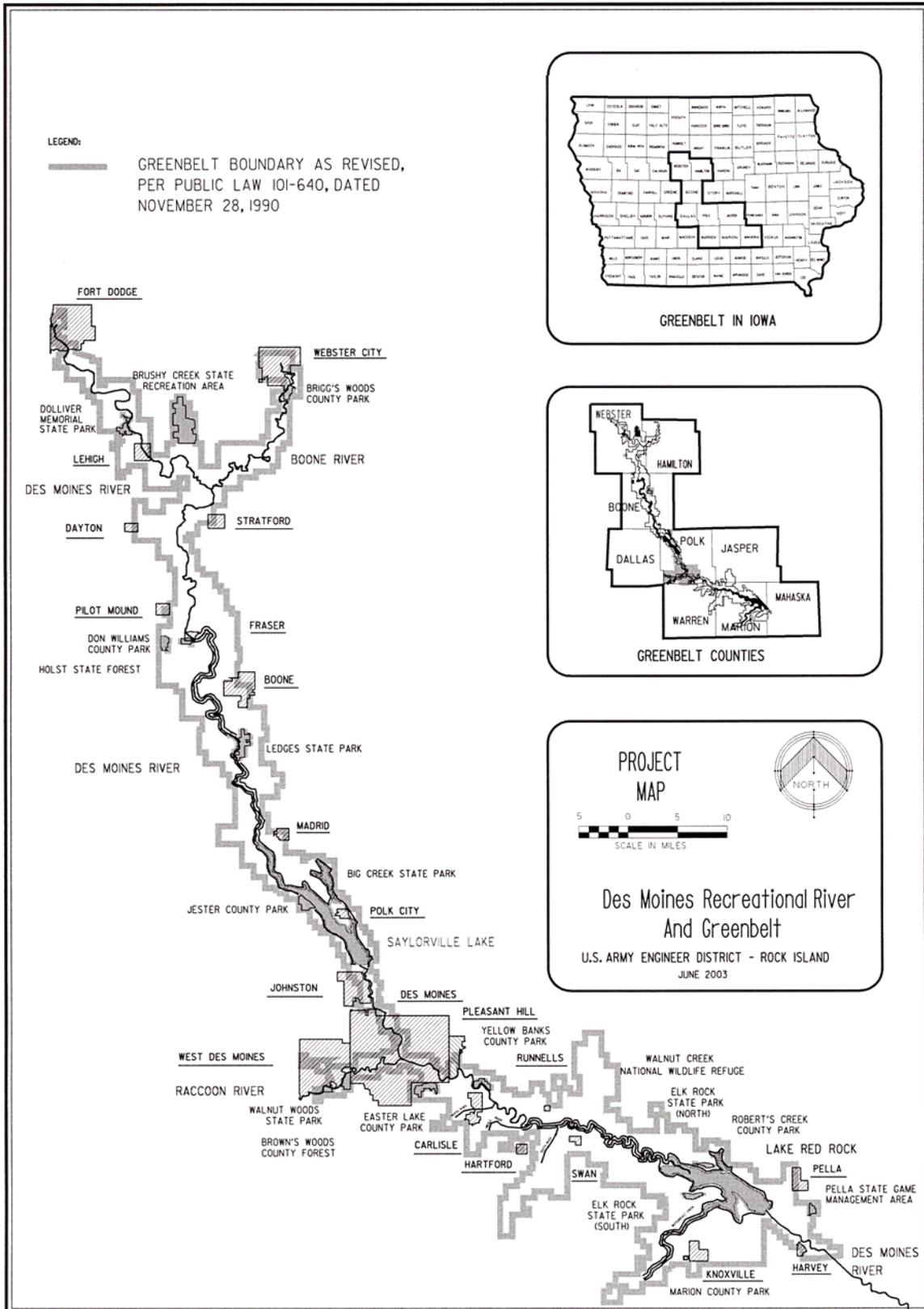


Figure 1. Des Moines Recreational River and Greenbelt

GREENBELT PURPOSES

The Greenbelt has five authorized purposes, as listed in Public Law 99-88:

- (1) the construction, operation, and maintenance of recreational facilities ...;
- (2) the construction, operation, and maintenance of ... streambank stabilization structures;
- (3) the operation and maintenance of all structures constructed before the date of authorization of this project (other than any such structure operated and maintained by any person under a permit or agreement with the Secretary) within the area described in the Des Moines Recreational River and Greenbelt Map and on file with the Committee on Public Works and Transportation of the House of Representatives;
- (4) such tree plantings, trails, vegetation, and wildlife protection and development and other activities as will enhance the natural environment for recreational purposes; and
- (5) the prohibition or limitation by the Secretary of the killing, wounding, or capturing at any time of any wild bird or animal in such areas as may be directed by the Secretary.

MASTER PLANNING PROCESS

The Corps of Engineers, consistent with budgetary constraints, will manage a continuing program for the overall administration of the Greenbelt project. This will include additional planning, engineering, design, and construction of projects within the Greenbelt in consideration of recommendations of the Advisory Committee. Included will be periodic updates of the master lists of completed, potentially cost-shared, 100-percent Federal, and 100-percent non-Federal projects and the preparation of Feature Design Memoranda. Cost-shared projects will proceed to construction following the execution of a Project Cooperation Agreement with the local sponsor. General administration will involve coordination with the Advisory Committee and execution of the project purposes as listed in Public Law 99-88. The overall Master List of Projects, with site plan references, is presented in Appendix A.

ADVISORY COMMITTEE

The Advisory Committee is organized in accordance with Public Law 99-88 and as further discussed in the Joint Explanatory Statement of the Committee of Conference for Public Law 99-662, and as updated in Committee Print 101-47 of the Committee on Public Works and Transportation. The composition of the Advisory Committee is listed in Table 1.

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Table 1. Composition of the Advisory Committee	
Number of Authorized Representatives	Source of Appointment
5	Governor of Iowa
2	Boone County Board of Supervisors
2	Dallas County Board of Supervisors
2	Hamilton County Board of Supervisors
2	Jasper County Board of Supervisors
2	Mahaska County Board of Supervisors
2	Marion County Board of Supervisors
2	Polk County Board of Supervisors
2	Warren County Board of Supervisors
2	Webster County Board of Supervisors
1	Mayor of the City of Des Moines
1	Mayor of the City of Boone
1	Mayor of the City of Carlisle
1	Mayor of the City of Dayton
1	Mayor of the City of Fort Dodge
1	Mayor of the City of Fraser
1	Mayor of the City of Hartford
1	Mayor of the City of Harvey
1	Mayor of the City of Johnston
1	Mayor of the City of Knoxville
1	Mayor of the City of Lehigh
1	Mayor of the City of Madrid
1	Mayor of the City of Pella
1	Mayor of the City of Pilot Mound
1	Mayor of the City of Pleasant Hill
1	Mayor of the City of Polk City
1	Mayor of the City of Runnells
1	Mayor of the City of Stratford
1	Mayor of the City of Swan
1	Mayor of the City of Webster City
1	Mayor of the City of West Des Moines
3	U.S. Army Corps of Engineers
47	TOTAL

LETTER OF ASSURANCE

To proceed with subsequent studies, a Letter of Assurance (LOA) is required from each qualified local sponsor, expressing the sponsor's willingness to participate under current cost-sharing provisions and assuring the sponsor's understanding of those provisions. A listing of LOAs submitted for the overall Greenbelt program is presented at Appendix E in Table 1. A listing of project-specific LOAs submitted in the GDM (1987) is presented at Appendix E in Table 2. A listing of project-specific LOAs submitted in APMRs (since 1987) is presented at Appendix E in Table 3.

COST SHARING

The law that authorizes the Greenbelt requires cost sharing under terms and conditions acceptable to the Secretary of the Army (or under terms and conditions provided for in subsequent legislation when enacted into law). The Corps of Engineers is using the cost-sharing provisions of Public Law 99-662, the Water Resources Development Act of 1986, and as described in the Assistant Secretary of the Army's letter, dated October 4, 1985, as listed in Table 2 and shown below:

a. Recreation will be cost-shared 50-percent Federal and 50-percent non-Federal, with local interests responsible for operation, maintenance, and replacement.

b. Environmental enhancement projects will be cost-shared in accordance with Section 906 of the Water Resources Development Act of 1986, as revised. Cost-sharing percentages are based upon the national importance of a project. If benefits accrue to a species of national importance, the project will be at 100-percent Federal expense. Otherwise, environmental enhancement projects will be cost-shared 65-percent Federal and 35-percent non-Federal. Criteria for determining national importance are as follows:

(1) Such enhancement provides benefits that are determined to be national, including benefits to species that are identified by the National Marine Fisheries Service as of national economic importance, species that are subject to treaties or international convention to which the United States is a party, and anadromous fish;

(2) Such enhancement is designed to benefit species that have been listed as threatened or endangered by the Secretary of the Interior under the terms of the Endangered Species Act, as amended (16 U.S.C. 1531, et seq.); or

(3) Such species are located on lands managed as a national wildlife refuge.

c. Prevention of erosion to Federal lands would be at Federal expense. Prevention of erosion to private lands would be 100-percent non-Federal. Prevention of erosion to lands purchased as part of the project would be based on the purpose for acquisition; for

example, prevention of erosion on lands bought for recreational purposes would be cost-shared 50-percent Federal and 50-percent non-Federal, with local interests responsible for operation, maintenance, and replacement.

Table 2. Federal Cost-Sharing Provisions		
Project Category	Cost-Sharing Percent	
	Federal	Non-Federal
Recreational Facilities	50	50
Streambank Stabilization Structures on Project Lands, for the Purpose of:		
Recreation	50	50
Environmental Enhancement		
National Importance	100	0
Not of National Importance	65	35
Operation and Maintenance of Existing Structures		
Federal	100	0
Non-Federal	0	100
Environmental Enhancement		
National Importance	100	0
Not of National Importance	65	35
Prohibition or Limitation on Taking Wildlife ^(a)	--	--
^(a) Cost-sharing policy has not yet been determined for "Prohibition or Limitation on Taking Wildlife."		

DESIGN AGREEMENT

A Design Agreement, in accordance with Corps regulations, requires local sponsor cost-sharing on development of design documents. This agreement must be executed and funded by the local sponsor before work can begin on the EDR.

ENGINEERING DOCUMENTATION REPORT (EDR)

(formerly known as Feature Design Memorandum or FDM)

Each cost-shared and 100% Federal Greenbelt project must be approved before it can proceed to construction. The approval document is the EDR. A tally of all approved projects is shown at Appendix E in Table 4.

PROJECT COOPERATION AGREEMENT

In accordance with the requirements of Public Laws 91-611 and 99-662, the local sponsor and the Government will enter into a legally binding Project Cooperation Agreement (PCA) prior to the start of construction. Among other things, the Agreement will require that the local sponsor pay a certain percentage of the total project costs (percentage depends on type of project), provide all lands, easements, rights-of-way, and relocations for the project, and operate, maintain, and replace the project after completion at no cost to the Federal Government.

In order to be eligible for Federal participation, a local sponsor must meet the following criteria:

- a. Be a non-Federal governmental entity, with legal authority to enter into a PCA;
- b. Be financially capable of cost-sharing (percentage of costs varies with type of project);
- c. Have authority to acquire project lands and easements; and
- d. Operate, maintain, and replace the project at no cost to the Federal Government.

REAL ESTATE REQUIREMENTS

The local sponsor will be required to obtain all rights-of-way needed for the project and to make them available to the Government for construction and, as necessary, to relocate or modify all utilities and other facilities within the project boundaries. Rights-of-way may include title and/or easements for all lands necessary for the project. Local sponsors must comply with the requirements of Public Law 91-646 in land acquisition and relocation assistance to those who may be displaced by the project. If applicable under current laws and regulations, the local sponsor may receive credit towards its share of project costs for the value of lands, easements, and rights-of-way provided for project purposes.

SECTION 2 - ADVISORY COMMITTEE ACTIVITIES

ADVISORY COMMITTEE COORDINATION

ADVISORY COMMITTEE MEETINGS

Since the 1994 APMR, with few exceptions, the Advisory Committee continued to hold regular quarterly meetings through October of 2000. The next meeting was held on September 27, 2002, in Des Moines, Iowa. Meeting results of current significance are summarized below.

September 27, 2002, Iowa State Historical Building, Des Moines, Iowa

Mr. Dennis Hamilton (Rock Island District, Corps of Engineers) provided a briefing on the Greenbelt Project, its funding history, procedures and processes, status of projects, and changes that have taken place since the Advisory Committee was last active. Most noteworthy among those changes is the need for local project sponsors to cost share on preliminary development of design documents. In previous years, these costs initially were funded by the Federal Government and then recovered from the sponsor after the PCA signing. Any new *cost-shared* projects will require local project financial *cost-sharing* from the outset.

Representatives from Ft. Dodge, Marion County, and Des Moines each provided overviews of their respective projects. A motion was made by Mr. Richard Brannon and seconded by Mr. Brian Holt to add these three projects to the list of 125 approved projects for the Greenbelt and to place them in positions of priority. MOTION PASSED UNANIMOUSLY. It was the consensus of the Advisory Committee that a letter be sent to Iowa's congressional delegation advising them of the Advisory Committee's support of these three projects and urging their support and passage of an appropriation of at least \$1.4 million to be divided among Ft. Dodge (\$500,000), Des Moines (\$400,000), and Marion County (\$500,000).

A concern was raised in regard to the growing need to acknowledge and pursue funding for the repair and renovation of trails already built within the Greenbelt. There was wide support among committee members in regard to this issue, and it will be an agenda item to be pursued in some detail at the next Advisory Committee meeting.

A second issue to be addressed at the next Advisory Committee meeting is that of updating the list of 125 approved projects that currently exists. Many have been completed using alternative funding sources or have been dropped. There is a need to update the list.

Mr. Brian Holt advised there is a need to reprint the Dragoon Trail Brochure and that the Central Iowa Tourism Region provides grant assistance for such printing needs. Mr. Arnie Sohn indicated the Iowa Department of Natural Resources would pursue a reprinting of the brochure.

July 8, 2003, Iowa State Historical Building, Des Moines, Iowa

Mr. Jeffery Vonk, Director of the Iowa Department of Natural Resources called the meeting to order at 9:00 a.m.

Mr. Dennis Hamilton, Corps of Engineers Greenbelt Project Manager, discussed the following.

1. In March 2003, Congress appropriated \$1 million, which will be used to: complete the 2003 APMR; to begin work on Fort Dodge Riverfront Development and Trails, Des Moines Riverfront, and Cordova Center on the Rock; and to continue work on Red Rock Multi-Purpose Trail, Segment 4B.
2. The Corps has developed an implementation plan showing the expected minimum timeline for implementation of projects. The amount needed, in FY 2004, to implement this plan is estimated at \$7.4 million. The Corps proposes to use allocated FY 2004 funds to permit equal progress on the projects at Fort Dodge, Des Moines, and Cordova Park: any funding shortage in FY2004 would likely reduce the amount of construction performed on Red Rock Multi-Purpose Trail, Segment 4B.
3. Mr. Hamilton also reviewed the new crediting language which allows up to \$10 million in credit for planning, design, and construction, performed by a sponsor, after 1 October 2002, integral to the Greenbelt, and in accordance with Corps standards. Development and approval of non-standard Design Agreements, that provide for crediting, will likely delay planning and design work, for Fort Dodge and Des Moines, until this fall.
4. Information on the Greenbelt, including reports, presentations, photographs, and meeting minutes, are posted on the Rock Island District's Greenbelt website at: <http://www2.mvr.usace.army.mil/Greenbelt/>. The Corps will expand use of this website to improve communications with the Advisory Committee and the public.

Mr. Michael Tarpey, Corps of Engineers Greenbelt Study Manager, discussed the following.

1. In order for a new project to participate in the Greenbelt program, the project sponsor must submit a Letter of Assurance (LA) to the Corps of Engineers, the LA will then become a part of the APMR -- the document that approves the project for participation in the Greenbelt program. Fort Dodge and Des Moines each need to submit an LA: the Corps will provide a sample format.

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2. At the September 2002 meeting, the Advisory Committee recommended that the Fort Dodge, Des Moines, and Cordova Park projects be added to the Master List of Projects, in a priority position.
3. The Corps will review and update the Master List of Projects for the 2004 APMR: input, from the Advisory Committee, will be needed.

After a review of the draft 2003 APMR, as revised to date, and no further comments or suggestions, a motion was made by Ms. Mary O'Keefe and seconded by Ms. Angela Connolly to approve the draft: MOTION PASSED UNANIMOUSLY.

The Committee discussed at length the need for funding for the repair and renovation of various trails within the Greenbelt boundary. A motion was offered by Mr. Mark Ackelson and seconded by Ms. Mary O'Keefe requesting the Corps to compile and provide a trail assessment as a part of the 2004 APMR: MOTION PASSED UNANIMOUSLY. It was discussed that not all Greenbelt projects are candidates for Federal funding through the Corps of Engineers. Funding from state, local, and other Federal agencies may be more appropriate for some Greenbelt projects. Development of a menu of possible fund sources was discussed, and generally felt to be a good idea.

For the 2004 APMR, the Corps intends to have a draft report ready for review in late October 2003, dependent on the Federal budget being approved. The draft report will update the Master List of Projects and present a Greenbelt trail assessment.

Any Advisory Committee member with concerns or goals regarding environmental restoration projects, within the Greenbelt, is encouraged to outline same in a letter to the Corps, for inclusion as a future meeting agenda item.

Brownfield redevelopment was discussed as an agenda item for future meetings.

The meeting was adjourned with the following action items:

1. Letters of Assurance were required from Fort Dodge and Des Moines for inclusion in the 2003 APMR. The Corps will provide sample letters to be completed by the respective community.
2. \$7.4 million is needed in FY2004 to fully implement the proposed Greenbelt plan.
3. The Corps will compile a trail status report/update for inclusion in the 2004 APMR.
4. Advisory Committee members and guests, if interested, are requested to send the Corps letters addressing their desires/needs for ecosystem restoration projects.
5. Determine a date for the next Advisory Committee meeting.

NOTE: Summaries of previous meetings are included in the September 1987 GDM, and in each of the following APMRs: 1989, 1990, 1991, 1992, 1993, and 1994.

ADVISORY COMMITTEE ACTIVITIES

The Advisory Committee maintains an active role in the Greenbelt project. Activities include field trips, special subcommittee work groups, public meetings, and communication with local, State, and Federal agencies.

PUBLIC INVOLVEMENT

PUBLIC MEETINGS

The Advisory Committee has hosted periodic public meetings within the corridor to gather input from interested constituents. Formal public meetings were last held in August 1988. Additional public meetings and/or other public involvement will be scheduled as needed. The Advisory Committee Meetings are open to the public.

SECTION 3 - PROGRAM ADMINISTRATION

UPDATE OF THE MASTER PLAN

One of the purposes of the APMR is to update the Greenbelt Master Plan contained in the GDM. In coordination with the Advisory Committee, the Corps of Engineers will administer the periodic update of the Master List of Projects.

Due to a lack of Greenbelt funding, the last APMR was completed in 1994. Since then, it is likely that there have been changes in the status of many of the projects on the Master List; therefore, subject to the availability of Federal funds, a comprehensive update is planned for the 2004 APMR.

REVISIONS OF EXISTING PROJECTS

The 2003 APMR does not recommend any changes to existing projects.

ADDITIONS TO THE MASTER PLAN

The Advisory Committee recommends that the following potential projects be added to the Master List of Projects (see Appendix B for project listings).

- 1. Cordova Center on the Rock** – The Marion County Conservation Board and Iowa Department of Natural Resources seek development of a cooperative environmental learning center and associated facilities at Cordova Park, adjacent to Lake Red Rock. Cordova Park is Federal fee title land, which is outgranted to, and managed by, the Marion County Conservation Board. Potential components of the project include: an Environmental Learning Center, Performing Arts Amphitheater, Volksweg Trail Expansion, Outdoor Interpretive Facilities, Cabin Expansion, Picnic Facility Modernization, and Entrance Road Relocation. However, current Corps of Engineers regulations prevent the use of Federal funds for certain types of facilities; therefore, some components of this project, to be determined in the EDR, may have to be constructed at non-Federal expense.

Planning, design, and construction of eligible facilities will be conducted at 100% Federal expense. Project stakeholders are actively seeking legislation that would expand the current list of eligible facilities to include environmental learning centers, cabins, and outdoor interpretive facilities. All of these facilities are to be located on Federal lands.

- 2. Des Moines Riverfront** – In order to increase interaction with the Des Moines River and create opportunities to connect adjacent development and neighborhoods, the Master Plan for a riverfront improvement project in downtown Des Moines includes the following features: river-spanning pedestrian bridges; a central trail-hub; parks; walking trails; open green spaces and related facilities; and the central unifying element, a *Riverwalk loop*, consisting of 1.2 miles of shared-use path, with more than 2 additional miles of trail linkage to other trails, features, and facilities.

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- 3. Fort Dodge Riverfront Development and Trails** – The City of Fort Dodge has completed a Riverfront Master Plan to transform a riverfront industrial area, along the Des Moines River, into a low-intensity recreational development. The Master Plan calls for the following: (1) restoration of the natural environment through streambank stabilization, fishery enhancement, and remediation of potential contaminants; and (2) the development of diverse recreational features, to include fishing and boating facilities, pedestrian bridges, a campground, passive recreation areas, and riverfront trails, including a trail connecting the Fort Dodge riverfront to the Brushy Creek State Recreation Area.

Planning, design, and construction activities necessary to develop a Greenbelt project would be conducted at a 50% Federal cost share for recreational facilities and 65% Federal cost share for environmental restoration and streambank stabilization features. Corps of Engineers regulations prevent the use of Federal funds to remediate hazardous, toxic, and radioactive wastes (HTRW) on non-Federal land; therefore, the sponsor will be responsible for 100% of such costs. The sponsors are the City of Fort Dodge and Webster County.

DELETIONS FROM THE MASTER PLAN

The Advisory Committee does not recommend any deletions for the 2003 APMR. However, a comprehensive update is planned for the 2004 APMR, and it is anticipated that there may be deletions at that time.

PROJECTS RECOMMENDED FOR PREPARATION OF ENGINEERING DOCUMENTATION REPORTS

For the 2003 APMR, the Advisory Committee recommended three projects, herein added to the Master List of Projects, for preparation of EDRs:

1. Cordova Center on the Rock
2. The Des Moines Riverfront
3. Fort Dodge Riverfront Development and Trails

A tally of all projects that have been approved or revoked for preparation of EDRs (formerly FDMs) is shown at Appendix E in Table 4.

GREENBELT CONSTRUCTION

To date, 12 recreation projects have been constructed, consisting of six 100% Federal and six cost-shared projects. A listing of Greenbelt construction projects is shown at Appendix E in Table 5.

STATUS OF MASTER LIST OF PROJECTS

The Greenbelt *Master List of Projects* (see Appendix A) has been updated to incorporate the changes discussed previously, which are also listed at Appendix E, in Tables 3 through 6. A comprehensive update is planned for the 2004 APMR.

The master list recognizes four main categories of projects: (1) completed, (2) cost-shared, (3) 100-percent Federal, and (4) 100-percent non-Federal. These categories are then subdivided, in order to be presented, as shown in the summary list below.

Listing Category	No. of Projects
Completed Greenbelt Projects to Date	12
100-Percent Federal Projects, approved for EDR (or FDM) preparation	3
Cost-Shared Projects, approved for EDR (or FDM) preparation	12
100-Percent Federal Projects, Proposed, included in Saylorville Lake Master Plan	3
100-Percent Federal Projects, Proposed, included in Lake Red Rock Master Plan	5
Cost-Shared Projects, Proposed	81
100-Percent Non-Federal Projects, Proposed	20
TOTAL	136

SECTION 4 - SUMMARY

The Advisory Committee, at their meetings on September 27, 2002, and July 8, 2003, made the following two recommendations:

1. The Committee recommends the addition of three projects to the master list of projects:
 - (a) Cordova Center on the Rock (Marion County), as a 100% Federal project;
 - (b) Des Moines Riverfront (Des Moines), as a 50% Federal cost-share project; and
 - (c) Fort Dodge Riverfront Development and Trails (Fort Dodge and Webster County), as a 50% Federal cost-share project.

2. The Committee also recommends that Engineering Documentation Reports (EDRs), be prepared for the proposed new projects listed above.

See Appendix B for project listings.

SECTION 5 – RECOMMENDATION

For the 2003 APMR, in concurrence with the Greenbelt Advisory Committee's recommendations, the following items are recommended for approval:

1. It is recommended that the following three projects, as described herein, be added to the Master List of Projects:
 - (a) ***Cordova Center on the Rock*** (Marion County), as a 100% Federal project with estimated costs of \$16,581,250 Federal, and \$16,581,250 total;
 - (b) ***Des Moines Riverfront*** (Des Moines), as a 50% Federal cost-share project with estimated costs of \$19,687,500 Federal, and \$39,375,000 total; and
 - (c) ***Fort Dodge Riverfront Development and Trails*** (Fort Dodge and Webster County), as an approximately 50% Federal cost-share project with estimated costs of \$12,696,250 Federal, and \$25,392,500 total.
2. It is recommended that Engineering Documentation Reports (EDRs) be prepared for the three projects listed above in order to accomplish more detailed engineering and design.

Implementation will be subject to availability of Federal funding and the review and approval of the EDRs by higher authority. An Environmental Assessment will be included in each EDR.

Submitted by:  3 Oct 2003
GARY L. LOSS, P.E. Date
Chief, Planning, Programs, and
Project Management Division

Approved by:  3 Oct 2003
DUANE P. GAPINSKI Date
Colonel, U.S. Army
District Engineer

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MASTER LIST OF PROJECTS

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MASTER LIST OF PROJECTS

INDEX		
SERIAL NO.	SUBJECT	NO. OF PROJECTS
1-12	COMPLETED GREENBELT PROJECTS TO DATE	12
13-15	FEDERAL PROJECTS APPROVED FOR FDM/EDR PREPARATION	3
16 -27	COST-SHARED PROJECTS APPROVED FOR FDM/EDR PREPARATION	12
28-30	FEDERAL PROJECTS INCLUDED IN SAYLORVILLE LAKE MASTER PLAN	3
31-35	FEDERAL PROJECTS INCLUDED IN LAKE RED ROCK MASTER PLAN	5
36-116	PROPOSED COST-SHARED PROJECTS	81
117-136	PROPOSED NON-FEDERAL PROJECTS	20
TOTAL		136

LEGEND	REC. = RECREATION ENV. = ENVIRONMENTAL ENHANCEMENT STR. = STREAMBANK STABILIZATION
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1.	000.0	BENNINGTON BRIDGE BOAT RAMP	IDNR	REC.	COST-SHARE	1987	GDM	COMPLETED OCT 87
2.	000.0	JESTER COUNTY PARK CAMPGROUND IMPROVEMENTS PHASE I	POLK CO	REC.	COST-SHARE	1987	GDM	COMPLETED JAN 91
3.	000.0	MULTI-PURPOSE TRAIL, RED ROCK (NORTH SHORE), SEGMENT I	N/A	REC.	FEDERAL	1987	GDM	COMPLETED JUN 92
4.	000.0	MULTI-PURPOSE TRAIL, RED ROCK (NORTH SHORE), SEGMENT IIA	N/A	REC.	FEDERAL	1987	GDM	COMPLETED OCT 92
5.	000.0	MULTI-PURPOSE TRAIL, RED ROCK (NORTH SHORE), SEGMENT IIB	N/A	REC.	FEDERAL	1987	GDM	COMPLETED OCT 94
6.	000.0	MULTI-PURPOSE TRAIL, LUTHERAN HOSPITAL TRAIL IMPROVEMENTS	DES MOINES	REC.	COST-SHARE	1987	GDM	COMPLETED JUN 92
7.	000.0	DRAGOON TRAIL SCENIC ROAD ROUTE	6 SPONSORS	REC.	COST-SHARE	1987	GDM	COMPLETED MAY 93
8.	000.0	MULTI-PURPOSE TRAIL, RED ROCK (NORTH SHORE), SEGMENT IIIA	N/A	REC.	FEDERAL	1987	GDM	COMPLETED DEC 94
9.	802.1	MULTI-PURPOSE TRAIL, RED ROCK (NORTH SHORE), SEGMENT IIIB	N/A	REC.	FEDERAL	1987	FDM NO. 9	COMPLETED SEP 97
10.	802.1	MULTI-PURPOSE TRAIL, RED ROCK (NORTH SHORE), SEGMENT IVA	N/A	REC.	FEDERAL	1987	GDM	COMPLETED JUN 98
11.	301.2	DOWNTOWN RIVERFRONT PLAZA/AMPHITHEATER	DES MOINES	REC.	COST-SHARE	1987	GDM, P. 124, A-105, APMR, P. 19	COMPLETED
12.	N/A	NEAL SMITH TRAIL & PRAIRIE LEARNING CENTER SIGNS	CONGRESS	REC.	COST-SHARE	1997	EWRDA	COMPLETED
13.	802.1	MULTI-PURPOSE TRAIL, RED ROCK (NORTH SHORE), SEGMENT IVB	N/A	REC.	FEDERAL	1987	GDM	PLANS & SPECIFICATIONS IN PREPARATION
14.	802.1	MULTI-PURPOSE TRAIL, SAYORVILLE BARRIER DAM	N/A	REC.	FEDERAL	1992	APMR	FDM WORK ON HOLD FOR GREENBELT FUNDING
15.	415.1	CORDOVA CENTER ON THE ROCK	IDNR & MARION CO	REC.	FEDERAL	2003	APMR	NEW IN 2003
16.	302.1	RACCOON RIVER REGIONAL PARK	W. DES MOINES	REC.	COST-SHARE	1987 1989	GDM, P. 126, A-115 APMR, P. 20	FDM WORK ON HOLD FOR GREENBELT FUNDING

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17.	308.1	BOTANICAL CENTER RIVERFRONT PARK	DES MOINES	REC.	COST-SHARE	1987	GDM, P. 129, A-131	FDM WORK ON HOLD FOR GREENBELT FUNDING
18.	802.1	MULTI-PURPOSE TRAIL, JOHNSTON TRAILS/ACCESS	JOHNSTON	REC.	COST-SHARE	1991	APMR, P. 24	FDM WORK ON HOLD FOR GREENBELT FUNDING
19.	802.1	MULTI-PURPOSE TRAIL, RACCOON RIVER SEGMENT	DES MOINES	REC.	COST-SHARE	1987	GDM, P. D-15	FDM WORK ON HOLD FOR GREENBELT FUNDING
20.	801.1	MULTI-PURPOSE TRAIL, POLK CITY TO BIG CREEK	POLK CITY	REC.	COST-SHARE	1991	APMR, P. 24	FDM WORK ON HOLD FOR GREENBELT FUNDING
21.	802.1	MULTI-PURPOSE TRAIL, WEBSTER CITY TO BRIGGS WOODS	HAMILTON CO. WEBSTER CITY	REC.	COST-SHARE	1992	APMR, P. 24	FDM WORK ON HOLD FOR GREENBELT FUNDING
22.	802.1	MULTI-PURPOSE TRAIL, DAYTON TO STRATFORD	WEBSTER CO.	REC.	COST-SHARE	1992	APMR, P.24	FDM WORK ON HOLD FOR GREENBELT FUNDING
23.	802.1	MULTI-PURPOSE TRAIL, KNOXVILLE SEGMENT	MARION CO.	REC.	COST-SHARE	1992	APMR, P.25	FDM WORK ON HOLD FOR GREENBELT FUNDING
24.	306.1	RIVERVIEW NATURELAND PARK	DES MOINES	REC.	COST-SHARE	1992	APMR, P.25	FDM WORK ON HOLD FOR GREENBELT FUNDING
25.	802.1	MULTI-PURPOSE TRAIL, WALNUT CREEK NATIONAL WILDLIFE REFUGE TO LAKE RED ROCK	IDNR	REC.	COST-SHARE	1994	APMR	FDM WORK ON HOLD FOR GREENBELT FUNDING
26.	315.1	DES MOINES RIVERWALK	DES MOINES	REC.	COST-SHARE	2003	APMR	NEW IN 2003
27.	121.1	FORT DODGE RIVERFRONT DEVELOPMENT AND TRAILS	FORT DODGE & WEBSTER CO	REC./ ENV./STR.	COST-SHARE	2003	APMR	NEW IN 2003
28.	203.4	WALNUT RIDGE COMFORT STATION	N/A	REC.	FEDERAL	1987	GDM, P. 118, B-3	NON-GREENBELT FUNDS. OMP ITEM
29.	203.6	GREENBELT VISITOR CENTER DEVELOPMENT, SAYLORVILLE LAKE	N/A	REC.	FEDERAL	1987	GDM, P. 118, B-7	NON-GREENBELT FUNDS
30.	804.9	SAYLORVILLE PRAIRIES	N/A	ENV.	FEDERAL	1987	GDM, P. 102, B-19	NON-GREENBELT FUNDS. WORK ON-GOING
31.	402.3	WALLASHUCK CAMPING LOOP	N/A	REC.	FEDERAL	1987	GDM, P. 135, B-11	NON-GREENBELT FUNDS. NOT IN OMP
32.	402.5	EAST WALLASHUCK BOAT RAMP	N/A	REC.	FEDERAL	1987	GDM, P. 135, B-15	NON-GREENBELT FUNDS. NOT IN OMP

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33.	402.6	GREENBELT VISITOR CENTER DEVELOPMENT, LAKE RED ROCK	N/A	REC.	FEDERAL	1987	GDM, P. 135, B-17	NON-GREENBELT FUNDS
34.	804.1	RED ROCK REFORESTATION	N/A	ENV.	FEDERAL	1987	GDM, P. 102, B-21	NON-GREENBELT FUNDS. WORK ON-GOING
35.	805.2	BALD EAGLE NEST PLATFORMS	IDNR	ENV.	FEDERAL	1987	GDM, P. 103, A-255	NON-GREENBELT FUNDS
36.	101.1	BOONE FORKS WILDLIFE MANAGEMENT AREA	IDNR	ENV.	COST-SHARE	1987	GDM, P. 109, A-222	
37.	102.1	STATE FOREST DEVELOPMENT	IDNR	ENV.	COST-SHARE	1987	GDM, P. 109, A-225	
38.	103.1	LEDGES STATE PARK DEVELOPMENT	IDNR	REC.	COST-SHARE	1987	GDM, P. 110, A-54	
39.	103.1	LEDGES STATE PARK SMALL ANIMAL DISPLAY	IDNR	REC.	COST-SHARE	1990	APMR, P. 19	
40.	105.2	UPPER RIVER GATEWAY	IDNR	REC.	COST-SHARE	1987	GDM, P. 110, A-60	IDNR DROPPED CAMPGROUND PORTION OF PROJECT
41.	106.1	DOLLIVER STATE PARK IMPROVEMENTS	IDNR	REC.	COST-SHARE	1987	GDM, P. 111, A-63	
42.	107.1	BOONE FORKS BOAT RAMP	IDNR	REC.	COST-SHARE	1987	GDM, P. 111, A-66	
43.	108.1	CARLSON AREA BOAT RAMP	WEBSTER CO.	REC.	COST-SHARE	1987	GDM, P. 111, A-68	
44.	109.1	DON WILLIAMS COUNTY PARK EXPANSION	BOONE CO.	REC.	COST-SHARE	1987	GDM, P. 111, A-73	
45.	110.2	NORTON'S FORD BOAT RAMP	IDNR	REC.	COST-SHARE	1987	GDM, P. 111, A-75	
46.	115.1	RIVERSIDE PARK CAMPGROUND	WEBSTER CITY	REC.	COST-SHARE	1989	APMR, P. C-2	
47.	116.1	BRIGGS WOODS PARK IMPROVEMENTS	HAMILTON CO.	REC.	COST-SHARE	1989	APMR, P. C-4	
48.	118.1	STRATFORD MARSH & PRAIRIE	STRATFORD	REC.	COST-SHARE	1989	APMR, P. C-19	
49.	119.1	BELLS MILL PARK IMPROVEMENTS	HAMILTON CO.	REC.	COST-SHARE	1989	APMR, P. C-21	
50.	120.1	BOONE PROTECTED WATER AREA	IDNR	ENV.	COST-SHARE	1990	APMR, P. C-4	
51.	201.1	JESTER COUNTY PARK MISC. IMPROVEMENTS	POLK CO.	REC.	COST-SHARE	1987	GDM, P. 116, A-86	
52.	202.1	BIG CREEK STATE PARK IMPROVEMENTS	IDNR	REC.	COST-SHARE	1987	GDM, P. 117, A-89	

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53.	202.1	BIG CREEK STATE PARK CAMPGROUND	IDNR	REC.	COST-SHARE	1990	APMR, P. 19	
54.	203.1	BIG CREEK SPILLWAY BOAT RAMP	IDNR	REC.	COST-SHARE	1987	GDM, P. 118, A-92	
55.	203.2	S&V BRIDGE JETTY	IDNR	REC.	COST-SHARE	1987	GDM, P. 118, A-94	
56.	205.1	BEAVER CREEK PARK	POLK CO.	REC.	COST-SHARE	1987	GDM, P. 119, A-96	
57.	209.1	JOHNSTON PONDS	JOHNSTON	REC.	COST-SHARE	1989	APMR, P. C-23	
58.	301.1	RIVER'S EDGE PEDESTRIAN WALKWAY	DES MOINES	REC.	COST-SHARE	1987	GDM, P. 124, A-102	
59.	301.3	WALNUT STREET TRANSIT MALL	DES MOINES	REC.	COST-SHARE	1987	GDM, P. 124, A-108	
60.	301.4	CRIVARO PARK IMPROVEMENTS	DES MOINES	REC.	COST-SHARE	1987	GDM, P. 124, A-110	
61.	301.5	RECREATIONAL ROWING MARINA	DES MOINES	REC.	COST-SHARE	1987	GDM, P. 124, A-113	
62.	302.2	RACCOON RIVER NATURE AREA	IDNR POLK CO.	REC.	COST-SHARE	1987 1989	GDM, P. 126, A-115 APMR, P. 20	
63.	303.1	WALNUT WOODS STATE PARK IMPROVEMENTS	IDNR	REC.	COST-SHARE	1987	GDM, P. 127, A-119	
64.	304.1	YELLOW BANKS COUNTY PARK IMPROVEMENTS	POLK CO.	REC.	COST-SHARE	1987	GDM, P. 127, A-122	
65.	305.1	PROSPECT PARK RIVERBANK STABILIZATION	DES MOINES	STR.	COST-SHARE	1987	GDM, P. 128, A-266	
66.	307.1	WEST RIVER DRIVE RIVERFRONT PARK EXTENSION	DES MOINES	REC.	COST-SHARE	1987	GDM, P. 128, A-128	
67.	309.1	HUBBELL NATURALISTIC PARK IMPROVEMENTS	DES MOINES	REC.	COST-SHARE	1987	GDM, P. 129, A-134	
68.	310.1	EASTER LAKE COUNTY PARK IMPROVEMENTS	POLK CO.	REC.	COST-SHARE	1987	GDM, P. 129, A-137	
69.	311.1	LIGHTED OUTDOOR SPORTS AND ATHLETIC COMPLEX	DES MOINES	REC.	COST-SHARE	1987	GDM, P. 130, A-139	
70.	312.1	BIRDLAND MARINA IMPROVEMENTS	DES MOINES	REC.	COST-SHARE	1987	GDM, P. 130, A-143	
71.	313.1	DES MOINES WATERWORK PARK BOAT RAMP	IDNR	REC.	COST-SHARE	1987	GDM, P. 130, A-146	
72.	314.2	DOWNTOWN MARINA, DES MOINES	DES MOINES	REC.	COST-SHARE	1987	GDM, P. 130, A-151	

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73.	314.3	DES MOINES & RACCOON RIVER LEVEE PROTECTION	DES MOINES	STR.	COST-SHARE	1987	GDM. P. 130, A-268	
74.	314.4	RECONSTRUCTION OF WEST RIVER WALL	DES MOINES	STR.	COST-SHARE	1987	GDM, P. 130, A-271	
75.	403.1	MARION COUNTY PARK IMPROVEMENTS	MARION CO.	REC.	COST-SHARE	1987	GDM, P. 136, A-163	
76.	404.1	RUNNELLS CITY PARK IMPROVEMENTS	RUNNELLS	REC.	COST-SHARE	1987	GDM, P. 136, A-165	
77.	405.1	HOWARD'S LAKE SUBIMPOUNDMENT	RUNNELLS	REC.	COST-SHARE	1987	GDM, P. 136, A-168	
78.	406.1	CONGREGATIONAL CHURCH OVERLOOK	RUNNELLS	REC.	COST-SHARE	1987	GDM, P. 137, A-170	
79.	409.1	HARTFORD CANOE ACCESS	IDNR	REC.	COST-SHARE	1989	APMR, P. C-25	
80.	409.2	IOWA HIGHWAY 181 CANOE ACCESS	IDNR	REC.	COST-SHARE	1989	APMR, P. C-27	
81.	410.1	RUNNELLS BOAT RAMP	IDNR	REC.	COST-SHARE	1987	GDM, P. 138, A-173	
82.	413.1	HARVEY BOAT RAMP	IDNR	REC.	COST-SHARE	1987	GDM, P. 138, A-176	
83.	414.1	GRANT NATURE LAND PARK DEVELOPMENT	WARREN CO.	REC.	COST-SHARE	1990	APMR, P. 19	
84.	801.2	KALO ROAD BANK STABILIZATION	WEBSTER CO.	STR.	COST-SHARE	1987	GDM, P. 99, A-273	
85.	801.3	ROUTE P73 BANK STABILIZATION	LEHIGH	STR.	COST-SHARE	1987	GDM, P. 99, A-275	
86.	801.5	DECEPTION HOLLOW BANK STABILIZATION	WEBSTER CO.	STR.	COST-SHARE	1987	GDM, P. 99, A-277	
87.	801.1	MULTI-PURPOSE TRAIL, BIG CREEK PARK TRAIL IMPROVEMENTS	IDNR	REC.	COST-SHARE	1992	APMR, P. 24	PLANS & COST ESTIMATE COMPLETED WHEN RECOM'D FOR FDM
88.	802.2	JESTER PARK TRAIL	POLK CO.	REC.	COST-SHARE	1987	GDM, P. 101, A-184	
89.	802.3	BROWNS WOODS TRAIL	POLK CO.	REC.	COST-SHARE	1987	GDM, P. 101, A-186	
90.	803.2	KATE SHELLEY BRIDGE FISHING ACCESS	IDNR	REC.	COST-SHARE	1987	GDM, P. 102, A-188	
91.	803.3	HANDICAPPED FISHING PIERS	DES MOINES	REC.	COST-SHARE	1987	GDM. P. 102, A-193	
92.	803.4	PROSPECT PARK FISHING PIERS	DES MOINES	REC.	COST-SHARE	1987	GDM, P. 102, A-195	
93.	803.5	SCOTT STREET DAM FISHING ACCESS	IDNR	REC.	COST-SHARE	1987	GDM, P. 102, A-197	

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94.	804.1	NATIVE PLANTINGS NO. 1	IDNR	ENV.	COST-SHARE	1987	GDM, P. 102, A-235	
95.	804.2	NATIVE PLANTINGS NO. 2	IDNR	ENV.	COST-SHARE	1987	GDM, P. 102, A-237	
96.	804.3	REFORESTATION NO. 1	IDNR	ENV.	COST-SHARE	1987	GDM, P. 102, A-239	
97.	804.4	REFORESTATION NO. 2	IDNR	ENV.	COST-SHARE	1987	GDM, P. 102, A-241	
98.	804.5	REFORESTATION NO. 3	IDNR	ENV.	COST-SHARE	1987	GDM, P. 102, A-243	
99.	804.6	REFORESTATION NO. 4	IDNR	ENV.	COST-SHARE	1987	GDM, P. 102, A-245	
100.	804.7	REFORESTATION NO. 5	IDNR	ENV.	COST-SHARE	1987	GDM, P. 102, A-247	
101.	804.12	LAND ACQUISITION - JOE WEST SR. ESTATE	IDNR	ENV.	COST-SHARE	1987	GDM, P. 102, A-249	
102.	804.13	SE. RIVERFRONT LAND ACQUISITION	IDNR	ENV.	COST-SHARE	1987	GDM, P. 102, A-251	
103.	805.3	HERON NEST STRUCTURES - SAYLORVILLE LAKE	IDNR	ENV.	COST-SHARE	1987	GDM, P. 103, A-257	
104.	805.4	HERON NEST STRUCTURES - LAKE RED ROCK	IDNR	ENV.	COST-SHARE	1987	GDM, P. 103, A-260	
105.	806.1	SCENIC VIEW NO. 1	DES MOINES	REC.	COST-SHARE	1987	GDM, P. 103, A-205	
106.	806.2	SCENIC VIEW NO. 2	DES MOINES	REC.	COST-SHARE	1987	GDM, P. 103, A-207	
107.	806.3	SCENIC VIEW NO. 3	DES MOINES	REC.	COST-SHARE	1987	GDM, P. 103, A-209	
108.	806.4	SCENIC VIEW NO. 4	DES MOINES	REC.	COST-SHARE	1987	GDM, P. 103, A-211	
109.	806.5	SCENIC VIEW NO. 5	DES MOINES	REC.	COST-SHARE	1987	GDM, P. 103, A-213	
110.	806.6	SCENIC VIEW NO. 6	DES MOINES	REC.	COST-SHARE	1987	GDM, P. 103, A-215	
111.	806.7	SCENIC VIEW NO. 7	DES MOINES	REC.	COST-SHARE	1987	GDM, P. 103, A-217	
112.	806.8	SCENIC VIEW NO. 8	DES MOINES	REC.	COST-SHARE	1987	GDM, P. 103, A-219	
113.	807.1	LAND ACQUISITION	MULTIPLE	ENV.	COST-SHARE	1987	GDM, P. 102	
114.	808.1	CONSERVATION EASEMENTS	MULTIPLE	ENV.	COST-SHARE	1987	GDM, P. 99, A-233	
115.	306.2	YELLOW BANKS OBSERVATION OBSERVATION PLATFORM	POLK CO.	REC.	COST-SHARE	1993	APMR, P. 24	PLANS & COST ESTIMATE COMPLETED WHEN RECOM'D FOR FDM

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116.	404.2	BOAT LANDING FACILITIES	IDNR	REC.	COST-SHARE	1993	APMR, P. 24	PLANS & COST ESTIMATE COMPLETED WHEN RECOM'D FOR FDM
117.	104.1	BEVER BRIDGE CANOE ACCESS	IDNR HAMILTON CO.	REC.	NON-FED.	1987 1991	GDM, P. 110, A-57 APMR, P. 24	
118.	107.2	BOONE FORKS OUTPOST	IDNR	REC.	NON-FED.	1987	GDM, P. 111	
119.	108.2	CARLSON COUNTY RECREATION AREA IMPROVEMENTS	WEBSTER CO.	REC.	NON-FED	1987 1991	GDM, P. 111, A-71 APMR, P. 24	
120.	111.1	LEHIGH WATERFRONT RESTORATION	IDNR	REC.	NON-FED.	1987	GDM, P. 112	
121.	113.1	TUNNEL MILL RESTORATION	IDNR	REC.	NON-FED.	1987	GDM, P. 113	
122.	114.1	DAYTON MOUNDS	WEBSTER CO.	REC.	NON-FED.	1987	GDM, P. 113, A-84	
123.	117.1	REVEIZ OVERLOOK	HAMILTON CO.	REC.	NON-FED.	1989 1992	APMR, P. C-7 APMR, P.27	1 OF 5 HAMILTON CO. SCENIC OVERLOOKS; NOT ECONOMICALLY JUSTIFIED
124.	117.2	TUNNEL MILL OVERLOOK	HAMILTON CO.	REC.	NON-FED.	1989 1992	APMR, P. C-9 APMR, P. 27	1 OF 5 HAMILTON CO. SCENIC OVERLOOKS; NOT ECONOMICALLY JUSTIFIED
125.	117.3	BOONE FORKS OVERLOOK	HAMILTON CO.	REC.	NON-FED.	1989 1992	APMR, P. C-11 APMR, P. 27	1 OF 5 HAMILTON CO. SCENIC OVERLOOKS; NOT ECONOMICALLY JUSTIFIED
126.	117.4	BELLVILLE OVERLOOK	HAMILTON CO.	REC.	NON-FED.	1989 1992	APMR, P. C-13 APMR, P. 27	1 OF 5 HAMILTON CO. SCENIC OVERLOOKS; NOT ECONOMICALLY JUSTIFIED
127.	117.5	STRINGTOWN OVERLOOK	HAMILTON CO.	REC.	NON-FED.	1989 1992	APMR, P. C-15 APMR, P. 27	SPONSOR WITHDREW COST-SHARE REQUEST ON 1 JUL 92
128.	115. 204.1	MID-RIVER GATEWAY	IDNR	REC	NON-FED.	1987	GDM, P. 118	
129.	301.6	BRIDGE RESTORATION- WALNUT, LOCUST & GRAND	DES MOINES	REC.	NON-FED.	1987	GDM, P. 124	
130.	301.7	VISITOR CENTER AT RIVERSIDE PARK	DES MOINES	REC.	NON-FED.	1987	GDM, P. 124	
131.	304.2	NATURAL HISTORY INTERPRETIVE CENTER	POLK CO.	REC.	NON-FED.	1987	GDM, P. 127	

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Serial No.	Project Number	Project Title	Proponent	Purpose	Financing	Plan Year	Reference	Remarks
132.	314.1	DES MOINES RIVER BOAT TRAFFIC	DES MOINES	REC.	NON-FED	1987	GDM, P. 130, A-148	NOT ECONOMICALLY JUSTIFIED FOR FEDERAL PARTICIPATION
133.	408.1	RED ROCK LINE HISTORIC VILLAGE	IDNR	REC.	NON-FED.	1987	GDM, P. 137	
134.	411.1	REFUGE VIEWING BINOCULARS	IDNR	REC.	NON-FED.	1987	GDM, P. 138	
135.	802.1	MULTI-PURPOSE TRAIL, LITTLE DAM ACCESS	FORT DODGE	REC.	NON-FED.	1989 1991	APMR, P. 41 AMPR, P. 24	
136.	802.1	MULTI-PURPOSE TRAIL, PELLA SPUR (VOLKSWEG)	MARION CO.	REC.	NON-FED.	1989		SPONSOR WITH/DREW COST-SHARE REQUEST ON 11 FEB 91

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PROJECT LISTINGS

for Potentially Cost-Shared and Potentially 100% Federal Projects

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APPENDIX B

**PROJECT LISTINGS
for Potentially Cost-Shared and Potentially 100% Federal Projects**

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APPENDIX B

PROJECT LISTINGS for Potentially Cost-Shared and Potentially 100% Federal Projects

SECTION 1 - INTRODUCTION

This appendix discusses additional cost-shared and 100% Federal projects from the Advisory Committee's 2003 project recommendations. Cost-sharing of approved projects will be conducted between the Corps of Engineers and a local governmental sponsor, such as a city, county, or the State of Iowa. Upon completion of the project, the local sponsor will be responsible for project operation, maintenance, and replacement. 100% Federal projects will be constructed, operated, maintained, and replaced at 100% Federal cost.

Site planning for each project started with an analysis of the conceptual master plan. In some cases, the local sponsors desired to cost share facilities that are not allowable in accordance with current regulations. Therefore, only facilities potentially eligible for cost-sharing were incorporated into the cost estimates.

SECTION 2 - PROJECT LISTINGS

Project listings include a project number; title; project purpose; local sponsor; location; description; project funding; operation, maintenance, and replacement responsibility; economic justification; environmental impacts; real estate requirements; and an itemized cost estimate. Plate references are included for any location maps or site plans that accompany the project listings for projects recommended for preparation of Engineering Documentation Reports.

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Cordova Center on the Rock

Project Number: 415.1

Project Title: Cordova Center on the Rock

Project Purpose: Recreation

Local Sponsors: The Marion County Conservation Board and the Iowa Department of Natural Resources

Project Location: Marion County (see PLATE: Cordova - 1)

Project Description: The Marion County Conservation Board and Iowa Department of Natural Resources seek development of a cooperative environmental learning center and associated facilities at Cordova Park, adjacent to Lake Red Rock. Potential components of the project include: an Environmental Learning Center, Performing Arts Amphitheater, Volksweg Trail Expansion, Outdoor Interpretive Facilities, Cabin Expansion, Picnic Facility Modernization, and Entrance Road Relocation. However, Corps of Engineers regulations prevent the use of Federal funds for certain types of facilities; therefore, some components of this project, to be determined in the EDR, may have to be constructed at non-Federal expense.

Project Funding: 100% Federal (of eligible facilities)

Operation, Maintenance, and Replacement Responsibility: 100% Federal

Economic Justification: This project, or a portion thereof, is likely to be economically justified with project benefits exceeding costs. This determination will require detailed study and analysis.

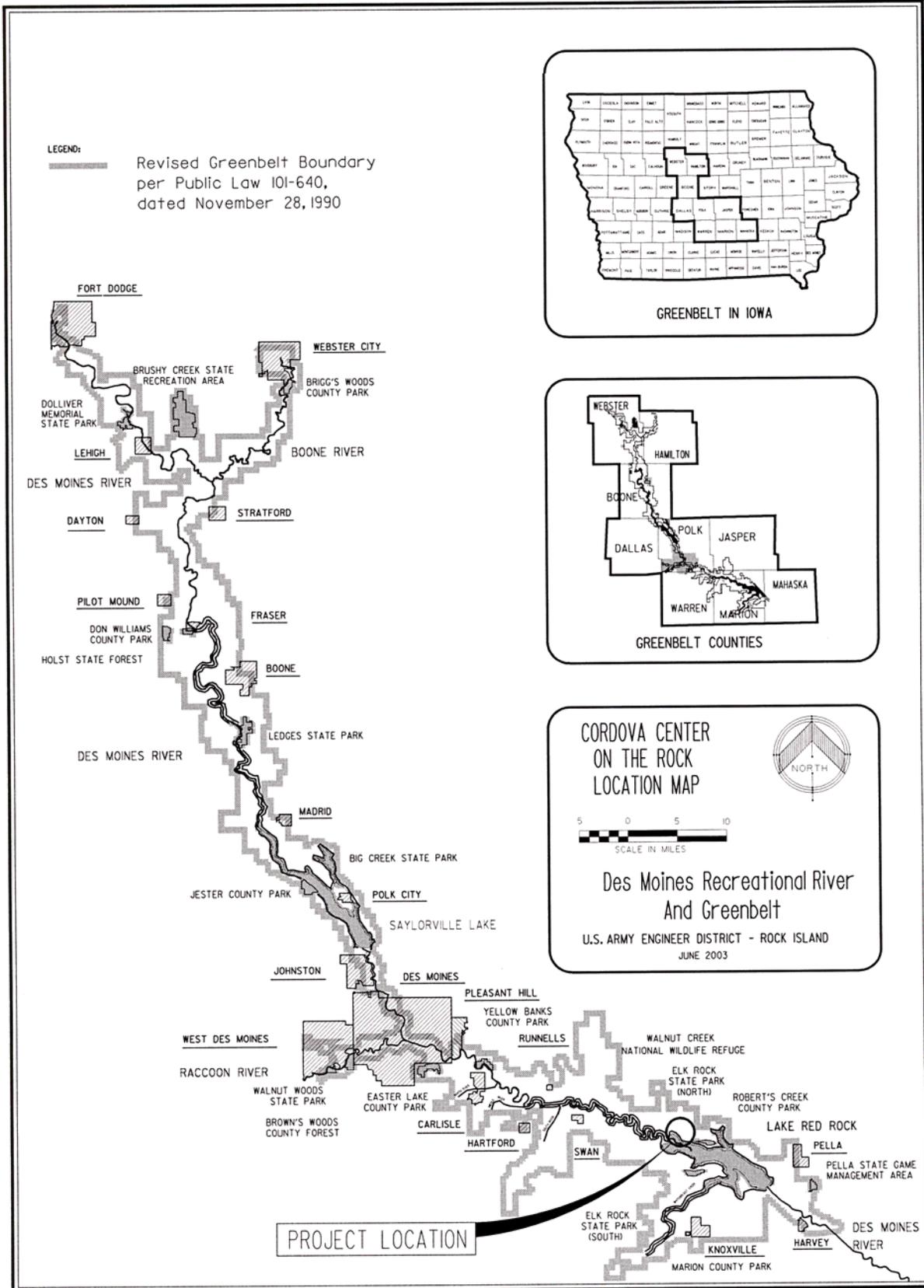
Environmental Impacts: Undetermined at this time.

Real Estate Requirements: All required lands are federally owned.

Itemized Cost Estimate: Note: If stakeholders gain legislative changes prompting Federal participation in all project features, then the estimated total cost would be adjusted accordingly.

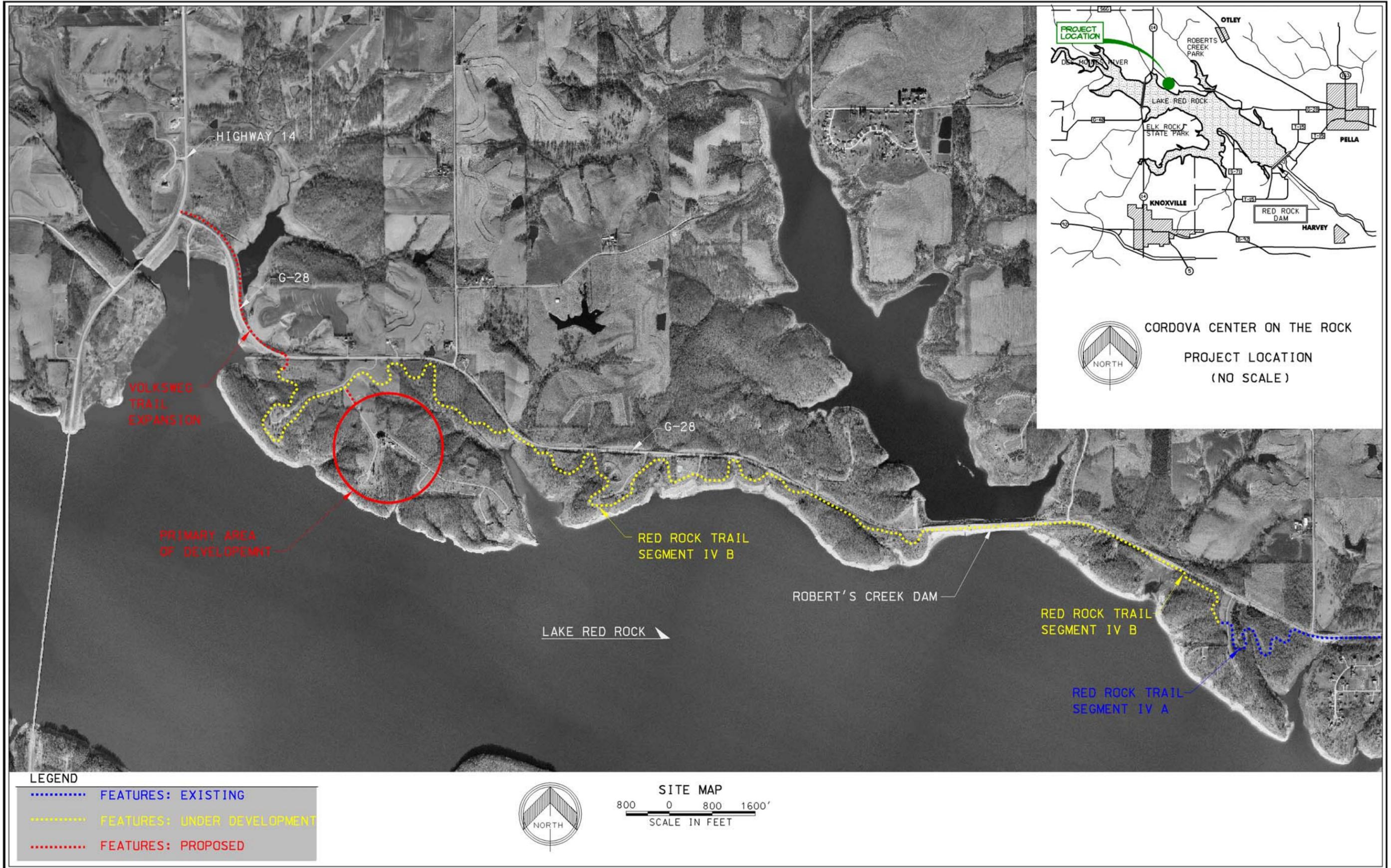
LAND AND DAMAGES	\$ 0
PROJECT CONSTRUCTION	
a. Environmental Learning Center ¹	\$ 6,600,000
b. Volksweg Trail Expansion	\$ 4,200,000
c. Performing Arts Amphitheater	\$ 2,100,000
d. Outdoor Interpretive Facilities ¹	\$ 700,000
e. Cabin Expansion ¹	\$ 1,200,000
f. Picnic Facility Modernization	\$ 400,000
g. Entrance Road Relocation and Parking	\$ 1,400,000
Subtotal	\$16,600,000
Contingencies (25%)	\$ 4,150,000
Subtotal	\$20,400,000
Planning, Engineering & Design (25%)	\$ 5,100,000
Construction Supervision & Administration (15%)	\$ 3,060,000
TOTAL	\$28,560,000
NOTES: Estimated costs for items a through g, above, are as presented in the sponsor's project brochure.	
¹ Some features of this component, to be determined in the EDR, may have to be constructed at non-Federal expense.	

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Cordova Center on the Rock

PLATE: Cordova - 1



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Des Moines Riverfront

Project Number: 315.1

Project Title: Des Moines Riverfront

Project Purpose: Recreation

Local Sponsor: City of Des Moines

Project Location: Des Moines, Iowa (see PLATES: Des Moines – 1, 2)

Project Description: In order to increase interaction with the Des Moines River and create opportunities to connect adjacent development and neighborhoods, the Master Plan for a riverfront improvement project in downtown Des Moines includes the following features: river-spanning pedestrian bridges; a central trail-hub; parks; walking trails; open green spaces and related facilities; and, the central unifying element, a *Riverwalk loop*, consisting of 1.2 miles of shared-use path, with more than 2 additional miles of trail linkage to other trails, features, and facilities.

Project Funding: 50% Federal cost-share

Operation, Maintenance and Replacement Responsibility: 100% non-Federal

Economic Justification: This project, or a portion thereof, is likely to be economically justified with project benefits exceeding costs. This determination will require detailed study and analysis.

Environmental Impacts: Undetermined at this time.

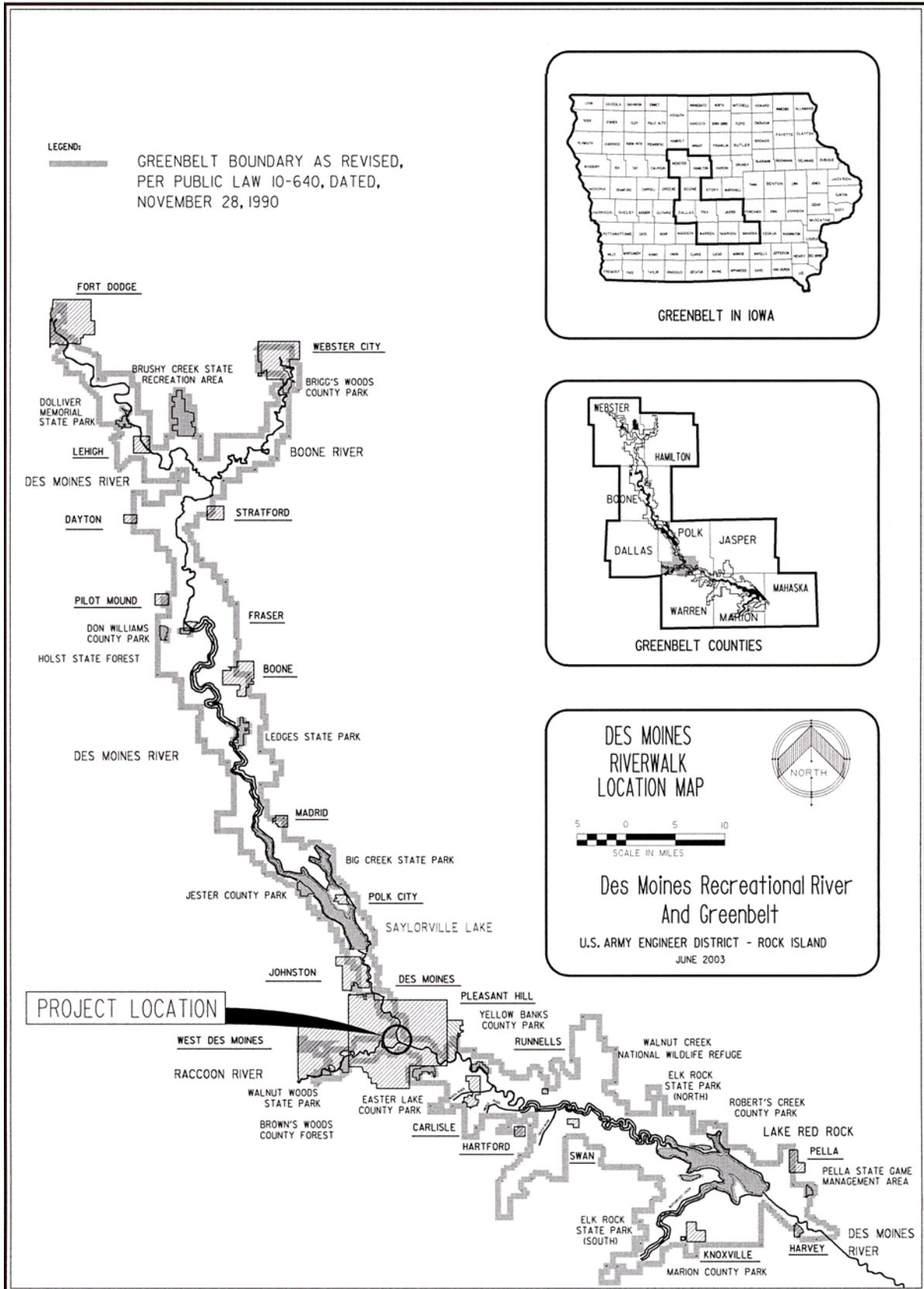
Real Estate Requirements: All lands are either City-owned or on public right-of-way.

Itemized Cost Estimate:

LAND AND DAMAGES	\$ 0
PROJECT CONSTRUCTION	
a. Pedestrian Walking Trails	\$ 6,000,000
b. Multipurpose Trail	\$ 2,500,000
c. Center Street Pedestrian Bridge	\$ 6,500,000
d. Court Avenue Railroad Bridge Renovation	\$ 2,500,000
e. Court Avenue Plazas (East and West)	\$ 2,500,000
f. Balustrade Repair and Restoration	\$ 700,000
g. Civic Gardens	\$ 1,000,000
h. Fountain/Skating Plaza (\$2,000,000 -- regulations prevent Federal funding)	\$ 0
i. Gray's Lake Trail Connection	\$ 800,000
Subtotal	\$22,500,000
Contingencies (25%)	\$ 5,625,000
Subtotal	\$28,125,000
Planning, Engineering & Design (25%)	\$ 7,031,250
Construction Supervision & Administration (15%)	\$ 4,218,750
TOTAL	\$39,375,000

NOTES: 1. The estimated costs presented above, in items a through i, are taken from the *Phase One Budget* as provided to the City of Des Moines by the Principal Financial Group of Des Moines. 2. Corps of Engineers regulations prevent Federal funding of some types of features; these would have to be constructed at non-Federal expense.

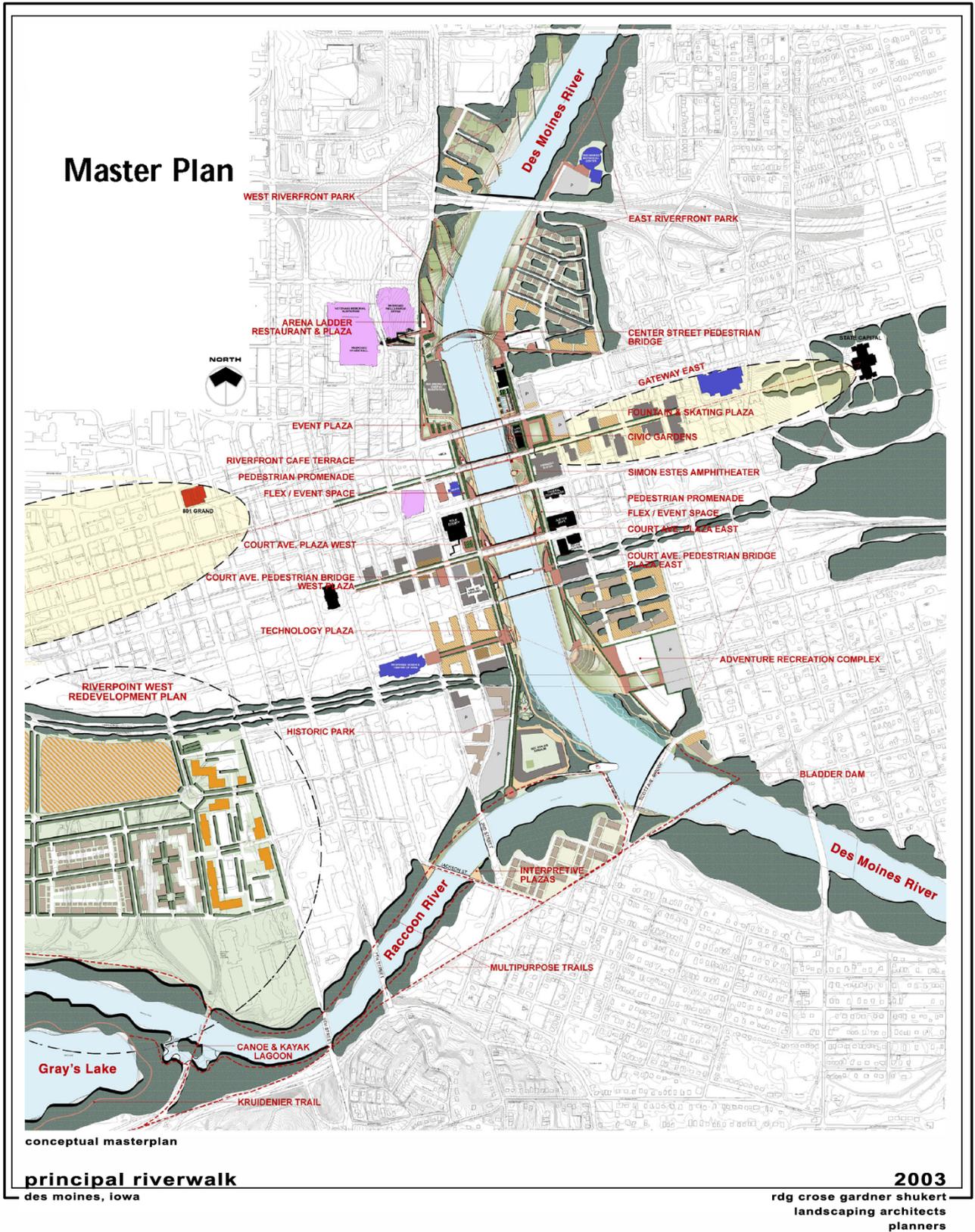
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Des Moines Riverfront

PLATE: Des Moines - 1

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Fort Dodge Riverfront Development and Trails

Project Number: 121.1

Project Title: Fort Dodge Riverfront Development and Trails

Project Purpose: Recreation, Ecosystem Restoration, and Streambank Stabilization

Local Sponsors: the City of Fort Dodge and Webster County

Project Location: the City of Fort Dodge and Webster County (see PLATES: Fort Dodge - 1, 2, 3)

Project Description: The City of Fort Dodge has completed a Riverfront Master Plan to transform a riverfront industrial area, along the Des Moines River, into a low-intensity recreational development. The Master Plan calls for the following: (1) restoration of the natural environment through stream bank stabilization, fishery enhancement, and remediation of potential contaminants; and (2) the development of diverse recreational features, to include fishing and boating facilities, pedestrian bridges, a campground, passive recreation areas, and riverfront trails, including a trail connecting the Fort Dodge riverfront to the Brushy Creek State Recreation Area.

Project Funding: Federal cost-share of 50% for recreation features and 65% for environmental restoration and streambank stabilization features.

Operation, Maintenance and Replacement Responsibility: 100% non-Federal.

Economic Justification: This project, or a portion thereof, is likely to be economically justified with project benefits exceeding costs. This determination will require detailed study and analysis.

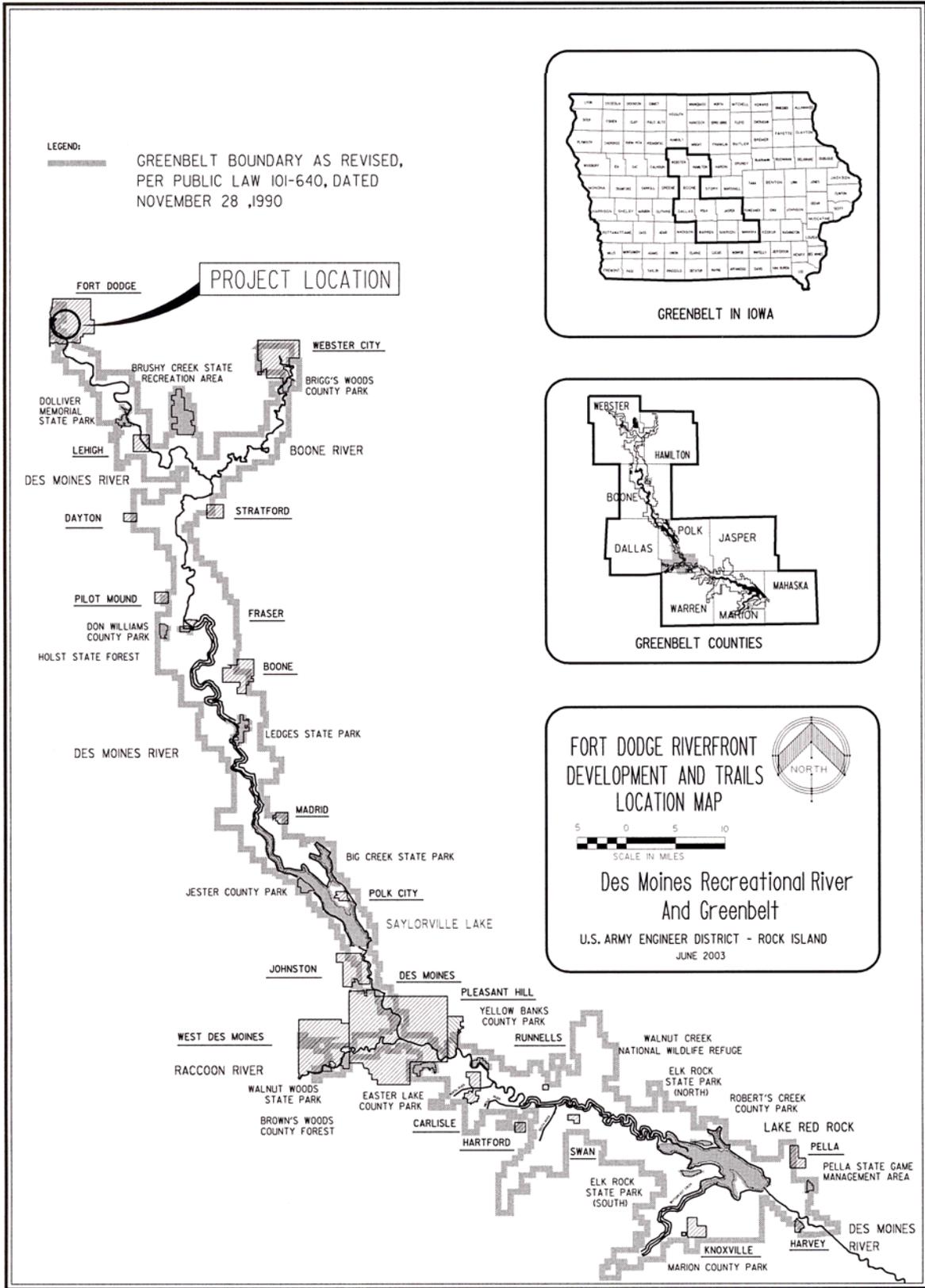
Environmental Impacts: Undetermined at this time.

Real Estate Requirements: All lands are owned by the local sponsors.

Itemized Cost Estimate:

LAND AND DAMAGES	\$ 0
PROJECT CONSTRUCTION	
a. Estimated construction cost for Riverfront Development and Trails	\$ 8,510,000
b. Estimated construction cost for trail -- Fort Dodge to Brushy Creek State Recreation Area	\$ 6,000,000
Subtotal	\$14,510,000
Contingencies (25%)	\$ 3,627,500
Subtotal	\$18,137,500
Planning, Engineering & Design (25%)	\$ 4,534,375
Construction Supervision & Administration (15%)	\$ 2,720,625
TOTAL	\$25,392,500
ESTIMATED FEDERAL COST (50%) ¹	\$12,696,250
NOTE: Estimated costs for items a and b , above, are provided by the sponsor, as presented in their preliminary design studies.	
¹ The Federal cost share is preliminarily estimated at 50%, since the majority of master plan features are recreational: features and costs will be refined in the EDR.	

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Fort Dodge Riverfront Development and Trails

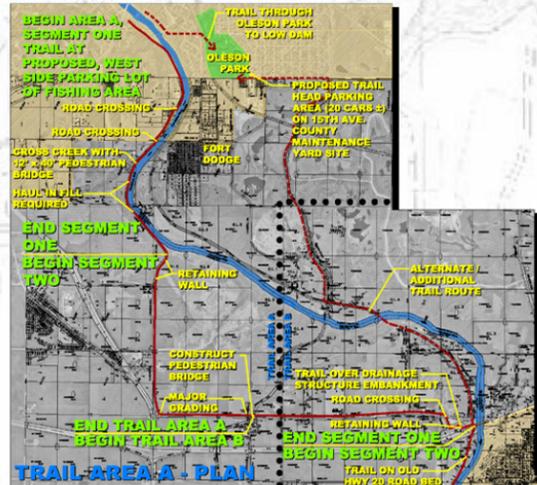
PLATE: Fort Dodge - 1



THE FORT DODGE
 R I V E R F R O N T M A S T E R P L A N
 A COMMUNITY'S RETURN TO THE RIVER

Fort Dodge Riverfront Development and Trails

PLATE: Fort Dodge - 2



TRAIL AREA A - DESCRIPTION

General Location:
Highway Business 20 to Madison Avenue via Avenue B, Lainson Avenue & 235th Street.

Segment One



Description:
Begin new 10' wide trail at proposed parking lot at west side fishing access area on west side of low dam. Proceed south 4100' within east R.O.W. of Lainson Avenue. Cross over to west R.O.W. Proceed south 1500' within west R.O.W. Cross over to east R.O.W. Proceed 1500' south within east R.O.W. of Lainson Avenue. Cross creek. Proceed south 3800'. Cross drainage way. Proceed 700' to private access drive at base of hill. End Segment One.

Approximate Trail Length: 11,200'
Major Supportive Construction Items:
7,100' South Pedestrian Bridge (12' Wide x 40' Long) & Earthwork
7,200' - 7,300' South-Haul In Fill
Land Acquisition:
None.

Segment Two



Description:
Proceed south 1,200' in east R.O.W. up hill. Continue south 5,280' in east R.O.W. of Lainson Avenue to 235th Street. Turn East on 235th Street. Proceed east 3,800' in north R.O.W. to bridge over abandoned railroad R.O.W. (Madison Avenue). End Segment Two.

Approximate Trail Length: 10,280'
Major Supportive Construction Items:
1. 600LF of 4' retaining wall along toe of embankment at Hwy. 20
2. At Abandoned RR R.O.W.- Pedestrian Bridge (12' wide x 150' long) main span plus two 12' x 75' long jump spans
3. 500 LF of 8' retaining wall. Bridge to private access drive.
4. From Lainson Avenue to Abandoned RR R.O.W. Major Grading

Land Acquisition:
None.

Alternative / Additional Trail Alignment

General Location (North to South):
From Olson Park, east on existing streets then abandoned railroad right-of-way south to the Des Moines River. Cross river with new pedestrian bridge. Continuing south primarily on abandoned railroad right of way under Highway 20 to Nelson Avenue.

Description:
From Olson Park proceed east approx. 4,000' in north R.O.W. of 15th Avenue. Cross street into abandoned railroad R.O.W. Proceed south 11,900' within the abandoned right-of-way to the river. Cross river on new 250' pedestrian bridge. Continue south 6,100' to Highway 20. Proceed south 2,100' on old highway 20 roadbed to Nelson Avenue.

Approximate Trail Length: 24,350'
Major Supportive Construction Items:
250' Pedestrian Bridge across Des Moines River
Land Acquisition:
Approximately 4 miles of abandoned railroad right-of-way now in private ownership.

TRAIL AREA C - DESCRIPTION

General Location:
From the intersection of Nelson Avenue and 260th Street proceed east on 260th Street to Dolliver Memorial State Park.

Segment One



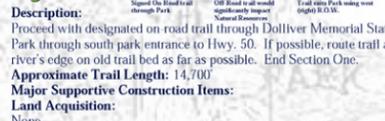
Description:
Proceed east 6,700' in the north R.O.W. of 260th Street. Cross ravine with pedestrian bridge. Proceed southeast 2,800' in north R.O.W. to 260th Street. Proceed east 3,800' in the north R.O.W. of 260th Street to the entrance of Dolliver Memorial State Park. End Segment One.

Approximate Trail Length: 13,300'
Major Supportive Construction Items:
At ravine construct pedestrian bridge (12' Wide x 60' Long)
Land Acquisition:
None.

TRAIL AREA D - DESCRIPTION

General Location:
From the entrance into Dolliver Memorial State Park through Lehigh to the intersection of 290th and Prospect Avenue.

Segment One



Description:
Proceed with designated on-road trail through Dolliver Memorial State Park through south park entrance to Hwy. 50. If possible, route trail along river's edge on old trail bed as far as possible. End Section One.

Approximate Trail Length: 14,700'
Major Supportive Construction Items:
Land Acquisition:
None.

Segment Two



Description:
Proceed east 11,100' in the north R.O.W. of Hwy. 50 to the Lehigh Bridge. Bench in 1,000LF of trail prior to entering town center. Trail to follow on street within Lehigh town center. End Segment Two.

Approximate Trail Length: 11,100'
Major Supportive Construction Items:
1. Trail to follow high ground of R.O.W. prior to entering Lehigh.
2. 1,000LF of 4' retaining wall required for transition to toe of slope. Additional earthwork.
Land Acquisition:
None.

Segment Three



Description:
Proceed across bridge on existing sidewalk on south side of bridge. Turn north on East Hill Street. Proceed uphill north 3,600' in east R.O.W. of East Hill Street. End Segment Three.

Approximate Trail Length: 3,600'
Major Supportive Construction Items:
1. Modification of Bridge sidewalk and railing.
2. Construct 700' of 4' high retaining wall along uphill grade at residences.
3. Major earthwork and drainage structure on East Hill Street south side of 290th Street.
Land Acquisition:
None.



TRAIL AREA B - DESCRIPTION

General Location:
From Abandoned RR R.O.W. (Madson Avenue) to the Intersection of Nelson Avenue and 260th Street.

Segment One



Description:
From abandoned RR R.O.W. proceed east 7800' on 235th Street in north R.O.W. Cross over 235th Street to southeast. Proceed southeast 600' in Hwy. 20 R.O.W. on east side of access road. Proceed east a distance of 500'. Proceed south 200' across drop structure embankment. Proceed east 500' between drainage ditch and bottom of highway embankment to under Hwy. 20 bridge centerline. End Segment One.

Approximate Trail Length: 9,600'
Major Supportive Construction Items:
300LF of 4' retaining wall along toe of embankment at Hwy. 20
Land Acquisition:
None.

Segment Two



Description:
Proceed south 1,500' from Hwy. 20 bridge along old Hwy. 20 roadbed. Proceed south 2,000' in east R.O.W. of Nelson Avenue to Mining Blvd. Construct trail head parking area between Nelson Ave. and river edge on Mining Blvd. Proceed south 1,300' in the east R.O.W. of Nelson Avenue to guardrail. Continue south 400' on timber deck trail structure. Continue south/southeast 2,900' in east/north R.O.W. to Nelson Avenue in Kalo. End Segment Two.

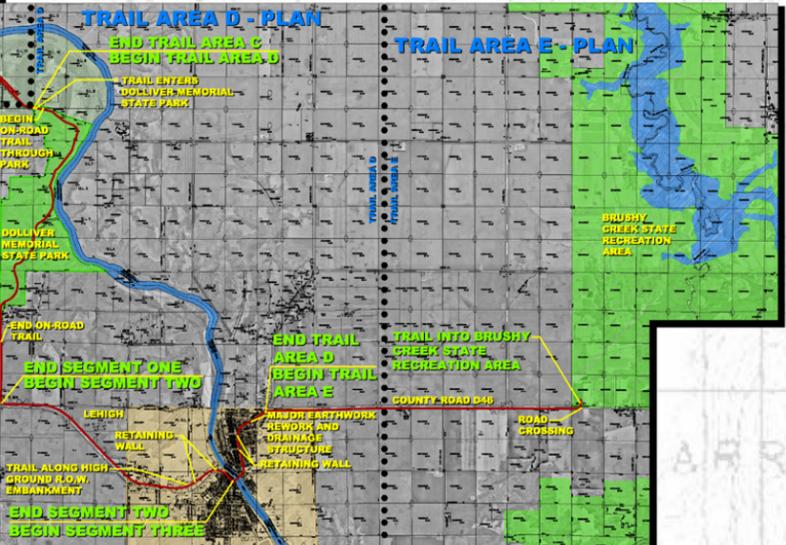
Approximate Trail Length: 8,100'
Major Supportive Construction Items:
1. Timber deck trail structure behind existing roadway guard rail along Nelson Avenue. Approximately 400' in length.
2. 300LF of 4' retaining wall along toe of embankment at Hwy. 20
Land Acquisition:
Old Hwy. 20 road bed south of Hwy. 20 (520) or entire area (2 parcels) of appr. 45.21 acres.

Segment Three



Description:
Proceed east across intersection. Proceed south uphill 3,300' in the east R.O.W. of Nelson Avenue to 250th Street. Retaining walls required. Proceed east 1,250' in the south R.O.W. of 250th Street. Proceed south 1,150' in the east R.O.W. of the gravel road to the intersection of Nelson Avenue. Continue south in the east R.O.W. of Nelson Avenue to 260th Street. End Segment Three.

Approximate Trail Length: 5,700'
Major Supportive Construction Items:
1. 800LF of 4' retaining wall. Additional earthwork.
Land Acquisition:
None.



Before and After Images of the Historic Dragoon Trail

Proposed timber deck trail structure in east R.O.W. of Nelson Ave.
Proposed trail and retaining wall in east R.O.W. of Nelson Ave.
Proposed modification of walk and railing of existing bridge in Lehigh
Proposed new trail running in east R.O.W. of Union Ave.

*The Historic Dragoon Trail
Connection To The
Brushy Creek State
Recreation Area*

Prepared In Conjunction With
The Webster County Board of Supervisors
and
The Webster County Improvement Corporation

TRAIL AREA E - DESCRIPTION

Segment One

Description:
Proceed east 10,000' in south R.O.W. of 290th Street (County Road D16) to Union Avenue. Proceed north 5,280' in the east R.O.W. of Union Avenue (County Road P73) to 270th Street. Proceed east 2,640' in south R.O.W. to entrance of Brushy Creek State Recreation Area. End Segment One.

Approximate Trail Length: 17,920'
Major Supportive Construction Items:
None.
Land Acquisition:
None.

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CORRESPONDENCE

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APPENDIX C
CORRESPONDENCE

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Mayor Preston A. Daniels

**LETTER OF ASSURANCE
FOR
PHASE I - THE PRINCIPAL RIVERWALK
AUGUST 25, 2003**

Colonel Duane Gapinski
District Engineer
U.S. Army Engineer District, Rock Island
Attn.: Michael Tarpey
P.O. Box 2004
Rock Island, IL 61204-2004

Dear Colonel Gapinski:

In accordance with the provisions of Section Public Law 99-88, as amended, which authorizes and directs the Federal government to proceed with planning, design, engineering, and construction of the Des Moines Recreational River and Greenbelt along the Des Moines River, Iowa, the City of Des Moines, Iowa hereby requests initiation of Phase I-The Principal Riverwalk located on the Des Moines and Raccoon Rivers in downtown Des Moines ("Project"). Principal Financial Group Foundation Inc. will provide \$10 million for the local cost share of the Project.

Phase I of The Principal Riverwalk consists of the following:

1. The Principal Riverwalk Loop (extending from Center Street to south of Court Avenue)
 - Promenade or walking trail (upper levee)
 - Multi-purpose trail (primarily lower levee)
 - New Center Street Pedestrian Bridge
 - Railroad Bridge Renovation (just south of Court Avenue)
2. Plazas
 - Court Avenue Plaza East and West
 - Fountain and Skating Plaza (Pete Crivaro Park)
 - Civic Gardens (Riverside of Municipal Building)
 - Balustrade repair and rework
3. The Riverpoint Trail segment of the American Discovery Trail connecting the Principal Riverwalk to the Gray's Lake trail.

The City of Des Moines is aware of the necessary local cooperation required to jointly develop the project as a cost-shared project. We understand the process has three main phases as follows:

- a. Initiation Phase, which consists of the preparation, coordination, and approval of a Design Agreement (DA) and Project Management Plan (PMP). The

City Hall 400 East First Street

Des Moines, IA 50309-1891

Telephone: (515) 283-4944

Fax: (515) 237-1645

www.ci.desmoines.ia.us

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PMP describes the proposed activities, schedules, and budget for the project up to construction phase while the DA defines the cost share responsibilities in detail.

b. Preconstruction Engineering and Design Phase, which consists of the preparation, coordination, and approval of an Engineering Documentation Report (EDR) and the preparation of Plans and Specifications. The EDR describes the project in detail and includes an environmental assessment to assure compliance with all applicable laws and regulations for the purpose of determining if a Federal project is justified. After the EDR approval, Plans and Specification are developed for construction of the project.

c. Construction Phase, which is the preparation, coordination, and approval of a Project Cooperation Agreement (PCA), any real estate acquisition, solicitation and award of construction contracts, and construction. The PCA must be executed and sponsor funding must be provided prior to solicitation of a construction contract.

Subject to the contingencies set forth in this letter below with respect to the availability of local cost share funding and design approval for the Project, the City of Des Moines can provide the following general local cooperation and participation as a prerequisite for construction of a Federal project, including:

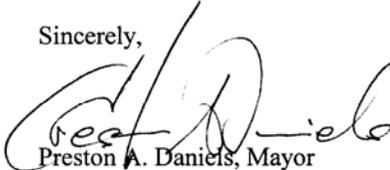
- a. Provide, without cost to the Government, during the period of construction, all lands, easements, rights-of-way, and dredged material disposal areas, and perform all relocations and alteration of utilities, sewers, and related and special facilities identified by the Government in the appropriate agreement to be necessary for construction of the Project.
- b. Hold and save the Government free from damages arising from the construction, operation, and maintenance of the Project, except for damages due to the fault or negligence of the Government or its contractors as specified in the appropriate agreement.
- c. Operate, maintain, replace, and rehabilitate the Project or functional element thereof, upon completion, in accordance with the requirements set out in the appropriate agreement.
- d. Pay the local cost share funds provided by Principal Financial Group Inc. in such amounts representing 50% of Project costs related to recreational development and 35% of costs related to environmental restoration.

It is understood that Federally assisted elements of the project must be in compliance with Federal law and criteria governing the development of this project for the authorized purposes of recreational development, environmental enhancement, and streambank stabilization. It is further understood that the local cooperation and participation of the City is subject to a determination by the City of the availability of local cost share funding from Principal Financial Group Inc. and City approval of the Project design and that this letter of assurance does not constitute a legally binding commitment on the part of the City of Des Moines. Further, a formal DA, in accordance with the criteria governing Design Agreements at that time, will be required prior to initiation of the EDR, and a formal PCA, in accordance with the criteria governing Project Cooperation Agreements at that time, will be required after the EDR is approved, and prior to construction.

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A Council/City resolution is enclosed. The point of contact for this action is Richard Clark, Deputy City Manager, (515 283-4106).

Sincerely,



Preston A. Daniels, Mayor
City of Des Moines

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CITY OF FORT DODGE

OFFICE OF THE MAYOR



Office 515-573-7144
FAX 515-573-5751
TDD 515-573-5751

819 1st Avenue South
Fort Dodge, Iowa 50501
Email: mayorofdodge@dodgenet.com

WILL PATTERSON

Sharon Hickey
Administrative Assistant

September 10, 2003

Colonel Duane Gapinski
District Engineer
U.S. Army Engineer District, Rock Island
Attn.: Michael Tarpey
P.O. Box 2004
Rock Island, IL 61204-2004

Re: Letter of Assurance for Fort Dodge Greenbelt Project

Dear Colonel Gapinski:

In accordance with the provisions of Section Public Law 99-88, as amended, which authorizes and directs the Federal government proceed with planning, design, engineering, and construction of the Des Moines Recreational River and Greenbelt along the Des Moines River, Iowa, the City of Fort Dodge, Iowa hereby requests initiation of the Fort Dodge Greenbelt Project. The City of Fort Dodge is aware of the necessary local cooperation required to jointly develop the project as a cost-shared project. We understand the process has three main phases as follows:

- a. Initiation Phase, which consists of the preparation, coordination, and approval of a Design Agreement (DA) and Project Management Plan (PMP). The PMP describes the proposed activities, schedules, and budget for the project up to construction phase while the DA defines the cost share responsibilities in detail. Sponsor funding would be required after the DA signing and prior to start of further work.
- b. Preconstruction Engineering and Design Phase, which consists of the preparation, coordination, and approval of an Engineering Documentation Report (EDR) and the preparation of Plans and Specifications. The EDR describes the project in detail and includes an environmental assessment to assure compliance with all applicable laws and regulations for the purpose of determining if a Federal project is justified. After the EDR approval, Plans and Specification are developed for construction of the project.
- c. Construction Phase, which is the preparation, coordination, and approval of a Project Cooperation Agreement (PCA), real estate acquisition, solicitation and award of construction contracts, and construction. The PCA must be executed and sponsor funding must be provided prior to solicitation of a construction contract.

The City of Fort Dodge can provide the following local cooperation and participation as a prerequisite for construction of a Federal project, including:

- a. Provide, without cost to the Government, during the period of construction, all lands, easements, rights-of-way, and dredged material disposal areas, and perform all relocations and alteration of buildings, utilities, highways, railroads, bridges (except railroad bridges), sewers, and related and special facilities determined by the Government to be necessary for construction of the project.

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b. Hold and save the Government free from all damages arising from the construction, operation, and maintenance of the project, except for damages due to the fault or negligence of the Government or its contractors.

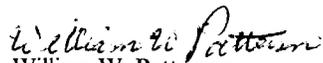
c. Operate, maintain, replace, and rehabilitate the project or functional element thereof, upon completion, in accordance with regulations or directions prescribed by the Government.

d. City of Fort Dodge is willing to pay 50% of project costs related to recreational development and 35% of project costs related to environmental restoration.

It is understood that Federally assisted elements of the project must be in compliance with Federal law and criteria governing the development of this project for the authorized purposes of recreational development, environmental enhancement, and streambank stabilization. It is further understood that this letter of assurance does not constitute a legally binding commitment on the part of the City of Fort Dodge, that a formal DA, in accordance with the criteria governing Design Agreements at that time, will be required prior to initiation of the EDR, and a formal PCA, in accordance with the criteria governing Project Cooperation Agreements at that time, will be required after the EDR is approved, and prior to construction.

The point of contact for this action is Dennis Plautz, Planning Director, (515) 573-8321.

Sincerely,


William W. Patterson
Mayor

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APPENDIX E
ADDITIONAL INFORMATION

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SUMMARY OF PREVIOUS APMRs

The General Design Memorandum (GDM) and Programmatic Environmental Impact Statement for the Des Moines Recreational River and Greenbelt were approved on August 1, 1988. The GDM included a recommendation to increase the Federal construction cost estimate, prepare Feature Design Memoranda (FDM) for nine projects, and submit annual reports which will include an update of the master plan.

The 1989 Annual Program Management Report (APMR) was the first yearly report prepared for the project. The Advisory Committee recommended and the Corps of Engineers approved the addition of 15 projects to the master plan, the preparation of Feature Design Memoranda for 11 projects, and the deletion of 2 projects that proceeded to construction by local interests. The 1989 Annual Program Management Report was approved on October 2, 1989.

In the 1990 Annual Program Management Report, the Advisory Committee recommended and the Corps of Engineers approved the addition of five projects to the master plan, the preparation of Feature Design Memoranda for three potentially cost-shared projects and the deletion of one project, which will be constructed by the local sponsor. The 1990 Annual Program Management Report was approved on February 27, 1991.

In the 1991 Annual Program Management Report, the Advisory Committee recommended the addition of five potentially cost-shared projects to the master plan (the report recommended the addition of four of the five), the preparation of a Feature Design Memorandum for one potentially cost-shared project, the combination of two potentially cost-shared projects, which were previously approved for FDM preparation, into one project, and the deletion of four projects from the list of 11 projects approved for preparation of Feature Design Memoranda in the 1989 Annual Program Management Report. These four projects were subtracted from the master list of potentially cost-shared projects and added to the list of 100% non-Federal projects. The 1991 Annual Program Management Report was approved on January 27, 1992.

In the 1992 Annual Program Management Report, the Advisory Committee recommended and the Corps of Engineers approved the addition of one potentially 100% Federal project and one potentially cost-shared project to the master plan list of projects, the preparation of Feature Design Memoranda for one potentially 100% Federal project and four potentially cost-shared projects, and the deletion of six projects from the list of 11 projects approved for preparation of Feature Design Memoranda in the 1989 APMR. These six projects will be subtracted from the master list of potentially cost-shared projects and be added to the list of potentially 100% non-Federal projects. The 1992 Annual Program Management Report was approved on December 21, 1993.

In the 1993 Annual Program Management Report, the Advisory Committee recommended and the Corps of Engineers approved the addition of two potentially cost-shared projects to

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the master list of projects. The 1993 Annual Program Management Report was approved on January 20, 1994.

In the 1994 Annual Program Management Report, the Advisory Committee recommended the preparation of a Feature Design Memorandum for one potentially cost-shared project. The 1994 Annual Program Management Report was approved in 1995.

Table 1. Letters of Assurance for the Overall Greenbelt Program	
Local Sponsor	Date of LOA
Polk County	October 28, 1985
City of Johnston	November 11, 1985
City of Fort Dodge	December 5, 1985
Iowa Dept. of Natural Resources	December 6, 1985
Town of Swan	December 7, 1985
Marion County	December 16, 1985
Jasper County	December 16, 1985
Boone County	December 18, 1985
Webster County	January 14, 1986
Town of Lehigh	March 13, 1986
City of Des Moines	April 7, 1986
City of Polk City	March 12, 1987
City of Dayton	May 20, 1987
City of West Des Moines	May 28, 1987
Hamilton County	September 1, 1987
City of Stratford	January 12, 1988

Table 2. Specific Letters of Assurance from the 1987 General Design Memorandum		
Local Sponsor	Project	Date
Iowa DNR	Bennington Bridge Boat Ramp	December 6, 1985
Polk County	Jester Park Campground	March 2, 1988
West Des Moines	Raccoon River Sports Complex	March 25, 1988
Des Moines	Lutheran Hospital Trail	May 20, 1988
Marion County	Dragoon Trail	August 19, 1988
Webster County	Dragoon Trail	September 6, 1988
Boone County	Dragoon Trail	September 28, 1988
Hamilton County	Dragoon Trail	December 12, 1988
Polk County	Dragoon Trail	December 15, 1988
Des Moines	Dragoon Trail	January 23, 1989
Des Moines	Botanical Center Park	March 5, 1990

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Table 3. Greenbelt Funding History	
Date	Federal Allocation
Sep 1985	\$15,000
Oct 1985	85,000
Jan 1986	50,000
May 1986	30,000
Jul 1986	5,000
Aug 1986	68,000
Oct 1986	336,000
Jul 1987	35,000
Feb 1988	240,000
Oct 1988	280,000
Sep 1989	200,000
Oct 1989	249,000
Mar 1990	1,553,000
Dec 1990	550,000
Oct 1991	750,000
Nov 1992	2,500,000
Dec 1993	2,700,000
Oct 1994	4,000,000
Mar 2000	\$25,000
Mar 2003	\$1,000,000
TOTAL	\$14,671,000

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Table 4. Specific Letters of Assurance (LOAs) from APMRs

APMR	Local Sponsor	Project	Date of LOA
1989	Johnston	Johnston Trails	29 March 1989
1989	Hamilton County	Stringtown Overlook	10 October 1989
1990	Des Moines	Downtown Plaza/Amphitheater	17 October 1989
1990	Johnston	Johnston Access	18 October 1991
1990	Des Moines	Raccoon River Trail Segment	10 December 1991
1991	Polk City	Multi-Purpose Trail, Polk City to Big Creek	23 November 1992
1992	Webster City/ Hamilton County	Multi-Purpose Trail, Webster City to Briggs Woods	16 November 1992 13 October 1992
1992	Webster County	Multi-Purpose Trail, Dayton to Stratford	28 October 1992
1992	Marion County	Multi-Purpose Trail, Knoxville Segment	Requested
1992	Des Moines	Riverview Nature Park	26 October 1992
1994	Iowa Department of Natural Resources (IDNR)	Multi-Purpose Trail, Walnut Creek Natural Wildlife Refuge to Lake Red Rock	Requested
2003	Des Moines	Des Moines Riverwalk	25 August 2003
2003	Fort Dodge/Webster County	Fort Dodge Riverfront Development and Trails	10 September 2003

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Table 5. Tally of FDMs and EDRs

Approved for Preparation	No.	Title	Date	Status
Pre-GDM	1	Bennington Bridge Boat Ramp (FDM)	May 1986	Approved by NCD ² in Jun 86
GDM	2	Jester Park Campground Improvements (FDM)	Revised Feb 89	Approved by NCD on 2 Jun 89
GDM		Greenbelt Trail System – Red Rock (North Shoreline) (FDM)		Comprised of the following 4 FDMs
	3	Multi-Purpose Trail, Segment 1 (FDM)	May 1989	Approved by NCD on 21 Jul 89
	6	Multi-Purpose Trail, Red Rock Segment II (FDM)	Mar 1991	Approved by NCD on 26 Apr 91
	9	Multi-Purpose Trail, Red Rock Segment III (FDM)	May 1993	FDM approved by NCD in Aug 93
	10	Multi-Purpose Trail, Red Rock Segment IV (FDM)		Approved by NCD on 22 Mar 1995
GDM	4	Lutheran Hospital Bicycle Trail Segment (FDM)	Mar 1990	Approved by NCD on 31 Jul 90
GDM	5	Dragoon Trail Scenic Road Route (FDM)	Revised Oct 91	Approved by NCD on 22 Jan 91
GDM	11	Botanical Center Riverfront Park (FDM)		FDM work on hold for Greenbelt funding
GDM	13	Raccoon River Regional Park (FDM)		FDM work on hold for Greenbelt funding
GDM		Boone Waterworks Boat Ramp (FDM)		Deleted by 1989 APMR
GDM		Upper Saylorville Boat Ramp (FDM)		Deleted by 1989 APMR
GDM		Johnston Nursery (FDM)		Deleted by 1990 APMR
1989 APMR	7	Stringtown Overlook (FDM)	Canceled	Changed to 100% Non-Federal by 1992 APMR
1989 APMR		Bellville Overlook (FDM)		Changed to 100% Non-Federal by 1992 APMR
1989 APMR		Boone Forks Overlook (FDM)		Changed to 100% Non-Federal by 1992 APMR
1989 APMR		Reveiz Overlook (FDM)		Changed to 100% Non-Federal by 1992 APMR
1989 APMR		Tunnel Mill Overlook (FDM)		Changed to 100% Non-Federal by 1992 APMR
1989 APMR		Bever Bridge Canoe Access (FDM)		Changed to 100% Non-Federal by 1991 APMR
1989 APMR		Carlson County Rec Area Improvements (FDM)		Changed to 100% Non-Federal by 1991 APMR
1989 APMR		Multi-Purpose Trail, Little Dam Access (FDM)		Changed to 100% Non-Federal by 1991 APMR
1989 APMR		Multi-Purpose Trail, Pella Spur (FDM)		Changed to 100% Non-Federal by 1991 APMR

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Table 5. Tally of FDMs and EDRs

Approved for Preparation	No.	Title	Date	Status
1989 APMR		Dayton Mounds (FDM)		Changed to 100% Non-Federal by 1992 APMR
1989 APMR	12	Multi-Purpose Trail, Johnston Trails (FDM)	Apr 1994	Combined w/Johnston Access by 1991 APMR Design work on hold for Greenbelt funding
1990 APMR	12	Multi-Purpose Trail, Johnston Access Area (FDM)	Apr 1994	Combined w/ Johnston Trails by 1991 APMR Design work on hold for Greenbelt funding
1990 APMR	8	Downtown Riverfront Plaza/Amphitheater (FDM)	Revised Aug 92	Approved by NCD 9 Sep 92
1990 APMR	14	Multi-Purpose Trail, Raccoon River Segment (FDM)		FDM work on hold for Greenbelt funding
1991 APMR	15	Multi-Purpose Trail, Polk City to Big Creek Trail (FDM)		FDM work on hold for Greenbelt funding
1992 APMR		Multi-Purpose Trail, Saylorville Barrier Dam (FDM)		FDM work on hold for Greenbelt funding
1992 APMR		Multi-Purpose Trail, Knoxville Segment (FDM)		FDM work on hold for Greenbelt funding
1992 APMR		Riverview Nature Park (FDM)		FDM work on hold for Greenbelt funding
1992 APMR		Multi-Purpose Trail, Dayton to Stratford (FDM)		FDM work on hold for Greenbelt funding
1992 APMR		Multi-Purpose Trail, Webster City to Briggs Woods Park (FDM)		FDM work on hold for Greenbelt funding
1994 APMR		Multi-Purpose Trail, Walnut Creek National Wildlife Refuge to Lake Red Rock (FDM)		FDM work on hold for Greenbelt funding
2003 APMR		Cordova Center on the Rock (EDR)		New in 2003
2003 APMR		Des Moines Riverwalk (EDR)		New in 2003
2003 APMR		Fort Dodge Riverfront Development and Trails (EDR)		New in 2003

NOTES: ¹ Feasibility Reports are numbered when they are submitted for review and approval.

² NCD = North Central Division, Chicago, Illinois.

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Table 6. Cost-Shared and 100% Federal Construction.

Project Title	Local Sponsor	Purpose	Estimated Costs (\$000)			Status
			Local	Federal	Total	
Bennington Bridge Boat Ramp ¹	Iowa DNR	Rec.	44.6	44.6	89.2	Completed Oct 87
Jester Park Campground ²	Polk County	Rec.	211.95	211.95	423.9	Completed Jan 91
Multi-Purpose Trail, Red Rock, Seg. I	N/A	Rec.	N/A	788.0	788.0	Completed Sep 92
Multi-Purpose Trail, Red Rock, Seg. IIA	N/A	Rec.	N/A	1205.0	1205.0	Completed Oct 92
Multi-Purpose Trail, Red Rock, Seg. IIB	N/A	Rec.	N/A	595.0	595.0	Completed Dec 94
Multi-Purpose Trail, Red Rock, Seg. IIIA	N/A	Rec.	N/A	491.0	491.0	Completed Dec 94
Multi-Purpose Trail, Red Rock, Seg. IIIB	N/A	Rec.	N/A	990.0	990.0	Completed Sep 97
Multi-Purpose Trail, Lutheran Hospital Seg.	Des Moines	Rec.	113.0	113.0	226.0	Completed May 92
Dragoon Trail Scenic Road Route ³	³	Rec.	87.5	87.5	175.0	Completed Jun 93
Downtown Riverfront Plaza/Amphitheater	Des Moines	Rec.	1050.0	1050.0	2100.0	Completed Nov 96
Multi-Purpose Trail, Red Rock, Seg. IVA	N/A	Rec.	N/A	3745.0	3745.0	Completed Jun 98
Neal Smith Trail & Prairie Learning Center Signs	N/A	Rec.	N/A	N/A	N/A	Completed

Notes:

¹ Final, per 2 Sep 88 letter to IDNR.

² Final, per 15 Nov 91 letter to Polk County.

³ Final, per 21 Dec 94 letter to Dragoon Trail Scenic Road Route Local Sponsors: Boone, Hamilton, Marion, Polk, and Webster Counties, and Des Moines.



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