

PA-05-IN-1997-PW-00596(0) <u>P</u>	
Applicant Name:	Application Title:
MADISON	JWH-034 River Front
Period of Performance Start:	Period of Performance End:
06-23-2011	12-23-2012

Subgrant Application - Entire Application

Application Title: JWH-034 River Front

Application Number: PA-05-IN-1997-PW-00596(0)

Application Type: Subgrant Application (PW)

Preparer Information

Prefix
First Name John
Middle Initial
Last Name Haverstick
Title Project Specialist
Agency/Organization Name FEMA Region 5
Address 1 536 South Clark Street, 6th Floor
Address 2
City Chicago
State IL
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Email pbrown@dhs.gov

Is the application preparer the Point of Contact? No

Point of Contact Information

Prefix
First Name Ken
Middle Initial
Last Name Washer
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Agency/Organization Madison (City of)
Address 1 101 W. Main Street
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City Madison
State IN

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Alternate Point of Contact Information

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Middle Initial
Last Name
Title
Agency/Organization
Address 1
Address 2
City
State
ZIP
Phone
Fax
Email

Project Description

Disaster Number: 1997
Pre-Application Number: PA-05-IN-1997-RPA-0084
Applicant ID: 077-45990-00
Applicant Name: MADISON
Subdivision:
Project Number: JWH-034
Standard Project Number/Title: 799 - Recreational or Other
Please Indicate the Project Type: Neither Alternate nor Improved
Application Title: JWH-034 River Front
Category: G.RECREATIONAL OR OTHER
Percentage Work Completed? 0.0 %
As of Date: 09-19-2011
Comments

Attachments

Damage Facilities (Part 1 of 2)

Facility Number	Facility Name	Address	County	City	State	ZIP	Site Previously Damaged?	Action
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1 JWH-034 River Front

Jefferson

IN

No

Comments

The Sub grantee chooses not to claim costs to manage and administer this project as part of the Public Assistance Program's grant award. Declining such costs does not exempt the Sub grantee from maintaining records adequately and documenting the source and application of funds as required in 44 CFR - 13.22. *** 9/28/11 - As described in 44 CFR 13.42 (2) (b), 3(c), Sub grantee must maintain all work-related records for a period of three (3) years from Sub grantee closure final payment), all records relative to this project worksheet are subject to examination and audit by the State, FEMA and the Comptroller General of the United States and must reflect work related to disaster specific costs. Sandra L. Santiago, Data Processing Specialist *** In the case of a change in the scope of work or a cost overrun, the applicant should immediately notify: Philip Brown, Deputy Division Director - Phone (317) 232-3832. 1) This is a large project PW. All costs, associated with this project, must be substantiated. Complete documentation must be furnished by the applicant, through the Governor's Authorized Representative (GAR), when all work is complete by way of a written request for final inspection and review. *** 2) Federal funding is contingent upon acquiring all necessary Federal, State and Local permits. Noncompliance with this requirement may jeopardize the receipt of Federal funds. It is the responsibility of the applicant to obtain all required permits prior to the commencement of work. *** 9/28/11 - Acquiring all necessary Federal, State, and local permits is required for Federal Funding. Noncompliance with this requirement may jeopardize the receipt of Federal funds. It is the responsibility of the applicant to obtain all required permits prior to the commencement of work. Sandra L. Santiago, Data Processing Specialist ***

Attachments

User	Date	Document Type	Description	Hard Copy File Reference	File Name	Action
SANDRA SANTIAGO	09-28-2011		JWH-034 Special Considerations		JWH-034 Special Considerations.pdf (48.23 kb)	View
SANDRA SANTIAGO	09-28-2011	Calculation Sheet	JWH-034 CEF		JWH-034 CEF.pdf (311.47 kb)	View
SANDRA SANTIAGO	09-28-2011	Floodplain	JWH-034 FIRM		JWH-034 FIRM.pdf (194.53 kb)	View
SANDRA SANTIAGO	09-28-2011	Map	JWH-034 Location Maps		JWH-034 Location Maps.pdf(714.20 kb)	View
SANDRA SANTIAGO	09-28-2011	Photos	JWH-034 Photos		JWH-034 Photos.pdf (714.79 kb)	View
LAKISHA PIERCE	10-12-2011	Project Worksheet	JWH-034 Signed PW		JWH-034 Signed PW.pdf(295.15 kb)	View
LAKISHA PIERCE	10-12-2011		JWH-034 Backup Documentation		JWH-034 Backup Documentation.pdf (582.77 kb)	View

Facility Name: JWH-034 River Front

Address 1:

Address 2:

County: Jefferson

City:

State: IN
 ZIP:
 Was this site previously damaged? No
 PA-05-IN-1997-PW-00596(0):
 River Front Along Vaughn Drive
 Location:

PA-05-IN-1997-PW-00596(0):

During the incident period 04/19/11 to 06/06/11, Jefferson County Indiana had multiple severe storms with tornadoes, straight line winds and flooding rains. The Ohio River flooded past Vaughn Drive on three separate occasions and receded. Each time the river rose and receded it eroded the bank between Vaughn Drive and the river.

Section 1: Clay St. west to St. Michaels Ave., 38.73240, -85.37075 to 38.73246, -85.37296. The area of erosion is 630ft long x 110ft wide and the erosion depth ranges from 6ft to grade along the 110ft. dimension. Total erosion is $630 \times 110 \times 6/2 = 207,900\text{CF}/27 = 7,700\text{CY}$. A drainage ditch at St. Michaels Ave. lost river rock (No. 73 stone) 6ft wide x 100ft long x 3ft deep = $6 \times 100 \times 3 = 1800\text{CF}/27 = 66.67\text{CY}$

Section 2: St Michaels Ave. west to East St., 38.73240, -85.37=75 to 38.73250, -85.37425. The area of erosion is 370ft long x 95ft wide and the erosion depth ranges from 6ft. to grade along the 95ft dimension. Total erosion is $370 \times 95 \times 6/2 = 105,450\text{CF}/27 = 3,905.56\text{CY}$. A drainage ditch at East St. lost rip rap 6ft wide x 95 ft long x 3ft deep = $6 \times 95 \times 3 = 1710\text{CF}/27 = 63.34\text{CY}$

Damage Description and Dimensions:

Section 3: East St. west to Walnut St., 38.73250, -85.37425 to 38.73265, -85.37573. The area of erosion is 425ft long x 120ft wide and the erosion depth ranges from 6ft to grade along the 120ft. dimension. Total erosion is $425 \times 120 \times 6/2 = 153,000\text{CF}/27 = 5,666.67\text{CY}$. A drainage ditch at Walnut St. lost rip rap 6ft wide x 120ft long x 3ft deep = $6 \times 120 \times 3 = 2160\text{CF}/27 = 80\text{CY}$.

Section 4: Walnut St. west to Jefferson St., 38.73265, -85.37573 to 38.73281, -85.37722. The area of erosion is 435ft long x 120ft wide and the erosion depth ranges from 4ft to grade along the 120ft. dimension. Total erosion is $435 \times 120 \times 4/2 = 104,400\text{CF}/27 = 3,866.67\text{CY}$. A drainage ditch at Jefferson St. lost river rock (No. 73 stone) 6ft wide x 120ft long x 3ft deep = $6 \times 120 \times 3 = 2160\text{CF}/27 = 80\text{CY}$.

Section 5: Jefferson St. west to Mulberry St., 38.73281, -85.37722 to 38.73291, -85.37875. The area of erosion is 440ft long x 100ft wide and the erosion depth ranges from 4ft to grade along the 100ft. dimension. Total erosion is $440 \times 100 \times 4/2 = 88,000\text{CF}/27 = 3,259.26\text{CY}$. A drainage ditch at Mulberry St. lost rip rap 6ft wide x 100ft long x 3ft deep = $6 \times 100 \times 3 = 1800\text{CF}/27 = 66.67\text{CY}$.

Section 6: Mulberry St. west to West St., 38.73291, -85.37875 to 38.73298, -85.38024. The area of erosion is 425ft long x 60ft wide and the erosion depth ranges from 2ft to grade along the 60ft dimension. Total erosion is $425 \times 60 \times 2/2 = 25,500\text{CF}/27 = 944.44\text{CY}$. A drainage ditch at West St. lost rip rap 6ft wide x 60ft long x 3ft deep = $6 \times 60 \times 3 = 1080\text{CF}/27 = 40\text{CY}$.

Section 7: Central Ave. west to Popular St., 38.73304, -85.38190 to

38.73316, -85.38200. The area of erosion is 315ft long x 75ft wide and the erosion depth ranges from 2ft to grade along the 75ft dimension. Total erosion is $315 \times 75 \times 2/2 = 23,625\text{CF}/27 = 875\text{CY}$.

Section 8: Popular St. West to Broadway St., 38.73316, -85.38200 to 38.73344, -85.38419. The area of erosion is 315ft long x 75ft wide and the erosion depth ranges from 2ft to grade along the 75ft dimension. Total erosion is $355 \times 50 \times 2/2 = 17,750\text{CF}/27 = 657.41\text{CY}$. A drainage ditch at Broadway St. lost rip rap 6ft wide x 50ft long x 3ft deep = $6 \times 50 \times 3 = 900\text{CF}/27 = 33.33\text{CY}$.

Section 9: Broadway St. west to Elm St., 38.73344, -85.38419 to 38.73380, -85.38667. The area of erosion is 445ft long x 45ft wide and the erosion depth ranges from 1ft to grade along the 45ft dimension. Total erosion is $445 \times 45 \times 1/2 = 10,012\text{CF}/27 = 370.33\text{CY}$.

PA-05-IN-1997-PW-00596(0):
WORK TO BE COMPLETED:

Section 1:
Backfill 7,700CY of erosion with a dozer
Compact 7,700CY of backfill with a dozer
Grade 7,700SY
River rock (No. 73 stone) ditch with 66.67CY rock

Section 2:
Backfill 3,905.56CY of erosion with a dozer
Compact 3,905.56CY of backfill with a dozer
Grade 3,905.56SY
Rip rap ditch with 63.34CY rock

Section 3:
Backfill 5,666.67CY of erosion with a dozer
Compact 5,666.67CY of backfill with a dozer
Grade 5,666.67SY
Rip rap ditch with 80CY rock

Scope of Work:

Section 4:
Backfill 3,866.67CY of erosion with a dozer
Compact 3,866.67CY of backfill with a dozer
Grade 5,800SY
River rock (No. 73 stone) ditch with 66.67CY rock

Section 5:
Backfill 3,259.26CY of erosion with a dozer
Compact 3,259.26CY of backfill with a dozer
Grade 4,400SY
Rip rap ditch with 66.67CY rock

Section 6:
Backfill 944.44CY of erosion with a dozer
Compact 944.44CY of backfill with a dozer
Grade 2,833.33SY
Rip rap ditch with 40CY rock

Section 7:
Backfill 875CY of erosion with a dozer
Compact 875CY of backfill with a dozer

Grade 2,625SY

Section 8:

Backfill 657.41CY

Compact 657.41CY

Grade 2,625SY

Rip rap ditch with 33.33CY

Section 9:

Backfill 370.33CY

Compact 370.33CY

Grade 2225SY

The sub-grantee is not claiming direct administrative costs associated with their project worksheet in accordance with Public Assistance Policy 9525.9.

GIS Coordinates

Project Location	Latitude	Longitude
Section 1: Clay St. west to St. Michaels Ave.	38.73246 38.7324	-85.37296 -85.37075
Section 2: St Michaels Ave. west to East St.	38.7324 38.7325	-85.37075 -85.37425
Section 3: East St. west to Walnut St.	38.7325 38.73265	-85.37425 -85.37573
Section 4: Walnut St. west to Jefferson St.	38.73265 38.73281	-85.37573 -85.37722
Section 5: Jefferson St. west to Mulberry St.	38.73281 38.73291	-85.37722 -85.37875
Section 6: Mulberry St. west to West St.	38.73298 38.73291	-85.38024 -85.37875
Section 7: Central Ave. west to Popular St.	38.73304 38.73316	-85.3819 -85.382
Section 8: Popular St. West to Broadway St.	38.73316 38.73344	-85.382 -85.38419
Section 9: Broadway St. west to Elm St.	38.73344 38.7338	-85.38419 -85.38667

Special Considerations

1. Does the damaged facility or item of work have insurance coverage and/or is it an insurable risk (e.g., buildings, equipment, vehicles, etc)? No
2. Is the damaged facility located within a floodplain or coastal high hazard area and/or does it have an impact on a floodplain or wetland? Yes

If you would like to make any comments, please enter them below.

(maximum 4000 characters)

All of the locations are in Zone A, 1% chance of annual flooding

3. Is the damaged facility or item of work located within or adjacent to a Coastal Barrier Resource System Unit or an Otherwise Protected Area? No
4. Will the proposed facility repairs/reconstruction change the pre-disaster conditions (e.g., footprint, material, location, capacity, use of function)? No

5. Does the applicant have a hazard mitigation proposal or would the applicant like technical assistance for a hazard mitigation proposal? No
6. Is the damaged facility on the National Register of Historic Places or the state historic listing? Is it older than 50 years? Are there more, similar buildings near the site? No
7. Are there any pristine or undisturbed areas on, or near, the project site? Are there large tracts of forestland? No
8. Are there any hazardous materials at or adjacent to the damaged facility and/or item of work? No
9. Are there any other environmental or controversial issues associated with the damaged facility and/or item of work? No

Attachments

For Category C, D, E, F, and G Projects only

Is effective mitigation feasible on this project? No

If you answered **Yes** to the above question, the next question is required

Will mitigation be performed on any sites in this project? No

If you answered **Yes** to the above question, the next question is required

Do you wish to attach a Hazard Mitigation Proposal? No

If you answered **Yes** to the above question, the next two questions are required

Please provide the Scope of Work for the estimate:

Would you like to add the Hazard Mitigation Proposal as a cost line item to the project cost? No

Comments

Attachments

Cost Estimate

Is this Project Worksheet for

Cost Estimate Format

(Preferred) Repair

Sequence	Code	Material and/or Description	Unit Quantity	Unit of Measure	Unit Price	Subgrant Budget Class	Cost Estimate	Action
1	<u>0000</u>	Work to be Completed						
2	<u>9000</u>	CEF Cost Estimate (See Attached Spreadsheet)	1	LS	\$ 137,748.00	CONSTRUCTION	\$ 137,748.00	
Total Cost:							\$ 137,748.00	

Insurance Adjustments (Deductibles, Proceeds and Settlements)

Sequence	Code	Material and/or Description	Unit Quantity	Unit of Measure	Unit Price	Subgrant Budget Class	Cost Estimate	Action
Total Cost:							\$ 0.00	

Total Cost Estimate: \$ 137,748.00

(Preferred Estimate Type + Insurance Adjustments) Awarded cost line items: \$ 137,748.00
 Remaining cost line items: \$ 0.00

Comments

Attachments

Existing Insurance Information

Insurance Type	Policy No.	Bldg/Property Amount	Content Amount	Insurance Amount	Deductible Amount	Years Required
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Comments

Attachments

Comments and Attachments

Name of Section	Comment	Attachment
Damage Facilities	<p>The Sub grantee chooses not to claim costs to manage and administer this project as part of the Public Assistance Program's grant award. Declining such costs does not exempt the Sub grantee from maintaining records adequately and documenting the source and application of funds as required in 44 CFR - 13.22. *** 9/28/11 - As described in 44 CFR 13.42 (2) (b), 3(c), Sub grantee must maintain all work-related records for a period of three (3) years from Sub grantee closure final payment), all records relative to this project worksheet are subject to examination and audit by the State, FEMA and the Comptroller General of the United States and must reflect work related to disaster specific costs. Sandra L. Santiago, Data Processing Specialist *** In the case of a change in the scope of work or a cost overrun, the applicant should immediately notify: Philip Brown, Deputy Division Director - Phone (317) 232-3832. 1) This is a large project PW. All costs, associated with this project, must be substantiated. Complete documentation must be furnished by the applicant, through the Governor's Authorized Representative (GAR), when all work is complete by way of a written request for final inspection and review. *** 2) Federal funding is contingent upon acquiring all necessary Federal, State and Local permits. Noncompliance with this requirement may jeopardize the receipt of Federal funds. It is the responsibility of the applicant to obtain all required permits prior to the commencement of work. *** 9/28/11 - Acquiring all necessary Federal, State, and local permits is required for Federal Funding. Noncompliance with this requirement may jeopardize the receipt of Federal funds. It is the responsibility of the applicant to obtain all required permits prior to the commencement of work. Sandra L. Santiago, Data Processing Specialist ***</p>	<p>JWH-034 Special Considerations.pdf JWH-034 CEF.pdf JWH-034 FIRM.pdf JWH-034 Location Maps.pdf JWH-034 Photos.pdf JWH-034 Signed PW.pdf JWH-034 Backup Documentation.pdf</p>

Bundle Reference # (Amendment #)	Date Awarded
PA-05-IN-1997-State-0042(42)	12-08-2011

Subgrant Application - FEMA Form 90-91

Note: The Effective Cost Share for this application is 75%

FEDERAL EMERGENCY MANAGEMENT AGENCY PROJECT WORKSHEET									
DISASTER				PROJECT NO.	PA ID NO.	DATE	CATEGORY		
FEMA	1997	-	DR	-IN	JWH-034	077-45990-00	09-19-2011	G	
APPLICANT: MADISON						WORK COMPLETE AS OF: 09-19-2011 : 0 %			
Site 1 of 1									
DAMAGED FACILITY:						COUNTY: Jefferson			
JWH-034 River Front									
LOCATION:						LATITUDE:	LONGITUDE:		
PA-05-IN-1997-PW-00596(0): River Front Along Vaughn Drive						38.73265	-85.37573		
						38.73281	-85.37722		
						38.7325	-85.37425		
						38.73265	-85.37573		
						38.73291	-85.37875		
						38.73298	-85.38024		
						38.7324	-85.37075		
						38.7325	-85.37425		
						38.73281	-85.37722		
						38.73291	-85.37875		
						38.73304	-85.3819		
						38.73316	-85.382		
						38.73344	-85.38419		
						38.7338	-85.38667		
						38.7324	-85.37075		
38.73246	-85.37296								
38.73316	-85.382								
38.73344	-85.38419								
DAMAGE DESCRIPTION AND DIMENSIONS:									
PA-05-IN-1997-PW-00596(0):									
<p>During the incident period 04/19/11 to 06/06/11, Jefferson County Indiana had multiple severe storms with tornadoes, straight line winds and flooding rains. The Ohio River flooded past Vaughn Drive on three separate occasions and receded. Each time the river rose and receded it eroded the bank between Vaughn Drive and the river. Section 1: Clay St. west to St. Michaels Ave., 38.73240, -85.37075 to 38.73246, -85.37296. The area of erosion is 630ft long x 110ft wide and the erosion depth ranges from 6ft to grade along the 110ft dimension. Total erosion is $630 \times 110 \times 6/2 = 207,900\text{CF}/27 = 7,700\text{CY}$. A drainage ditch at St. Michaels Ave. lost river rock (No. 73 stone) 6ft wide x 100ft long x 3ft deep = $6 \times 100 \times 3 = 1800\text{CF}/27 = 66.67\text{CY}$ Section 2: St Michaels Ave. west to East St., 38.73240, -85.37=75 to 38.73250, -85.37425. The area of erosion is 370ft long x 95ft wide and the erosion depth ranges from 6ft. to grade along the 95ft dimension. Total erosion is $370 \times 95 \times 6/2 = 105,450\text{CF}/27 = 3,905.56\text{CY}$. A drainage ditch at East St. lost rip rap 6ft wide x 95 ft long x 3ft deep = $6 \times 95 \times 3 = 1710\text{CF}/27 = 63.34\text{CY}$ Section 3: East St. west to Walnut St., 38.73250, -85.37425 to 38.73265, -85.37573. The area of erosion is 425ft long x 120ft wide and the erosion depth ranges from 6ft to grade along the 120ft. dimension. Total erosion is $425 \times 120 \times 6/2 = 153,000\text{CF}/27 = 5,666.67\text{CY}$. A drainage ditch at Walnut St. lost rip rap 6ft wide x 120ft long x 3ft deep = $6 \times 120 \times 3 = 2160\text{CF}/27 = 80\text{CY}$. Section 4: Walnut St. west to Jefferson St., 38.73265, -85.37573 to 38.73281, -85.37722. The area of erosion is 435ft long x 120ft wide and the erosion depth ranges from 4ft to grade along the 120ft. dimension. Total erosion is $435 \times 120 \times 4/2 = 104,400\text{CF}/27 = 3,866.67\text{CY}$. A drainage ditch at Jefferson St. lost river rock (No. 73 stone) 6ft wide x 120ft long x 3ft deep = $6 \times 120 \times 3 = 2160\text{CF}/27 = 80\text{CY}$. Section 5: Jefferson St. west to Mulberry St., 38.73281, -85.37722 to 38.73291, -85.37875. The area of erosion is 440ft long x 100ft wide and the erosion depth ranges from 4ft to grade along the 100ft. dimension. Total erosion is $440 \times 100 \times 4/2 = 88,000\text{CF}/27 = 3,259.26\text{CY}$. A drainage ditch at Mulberry St. lost rip rap 6ft wide x 100ft long x 3ft deep = $6 \times 100 \times 3 = 1800\text{CF}/27 = 66.67\text{CY}$. Section 6: Mulberry St. west to West St., 38.73291, -85.37875 to 38.73298, -85.38024. The area of erosion is 425ft long x 60ft wide and the erosion depth ranges from 2ft to grade along the 60ft dimension. Total erosion is $425 \times 60 \times 2/2 = 25,500\text{CF}/27 = 944.44\text{CY}$. A drainage ditch at West St. lost rip rap 6ft wide x 60ft long x 3ft deep = $6 \times 60 \times 3 = 1080\text{CF}/27 = 40\text{CY}$. Section 7: Central Ave. west to Popular St., 38.73304, -85.38190 to 38.73316, -85.38200. The area of erosion is 315ft long x 75ft wide and the erosion depth ranges from 2ft to grade along the 75ft dimension. Total erosion is $315 \times 75 \times 2/2 = 23,625\text{CF}/27 = 875\text{CY}$. Section 8: Popular St. West to Broadway St., 38.73316, -85.38200 to 38.73344, -85.38419. The area of erosion is 315ft long x 75ft wide and the erosion depth ranges from 2ft to grade along the 75ft dimension. Total erosion is $355 \times 50 \times 2/2 = 17,750\text{CF}/27 = 657.41\text{CY}$. A drainage ditch at Broadway St. lost rip rap 6ft wide x 50ft long x 3ft deep = $6 \times 50 \times 3 = 900\text{CF}/27 = 33.33\text{CY}$. Section 9: Broadway St. west to Elm St., 38.73344, -85.38419 to 38.73380, -85.38667. The area of erosion is 445ft long x 45ft wide and the erosion depth ranges from 1ft to grade along the 45ft dimension. Total erosion is $445 \times 45 \times 1/2 = 10,012\text{CF}/27 = 370.33\text{CY}$.</p>									
SCOPE OF WORK:									
PA-05-IN-1997-PW-00596(0):									

WORK TO BE COMPLETED: Section 1: Backfill 7,700CY of erosion with a dozer Compact 7,700CY of backfill with a dozer Grade 7,700SY River rock (No. 73 stone) ditch with 66.67CY rock Section 2: Backfill 3,905.56CY of erosion with a dozer Compact 3,905.56CY of backfill with a dozer Grade 3,905.56SY Rip rap ditch with 63.34CY rock Section 3: Backfill 5,666.67CY of erosion with a dozer Compact 5,666.67CY of backfill with a dozer Grade 5,666.67SY Rip rap ditch with 80CY rock Section 4: Backfill 3,866.67CY of erosion with a dozer Compact 3,866.67CY of backfill with a dozer Grade 5,800SY River rock (No. 73 stone) ditch with 66.67CY rock Section 5: Backfill 3,259.26CY of erosion with a dozer Compact 3,259.26CY of backfill with a dozer Grade 4,400SY Rip rap ditch with 66.67CY rock Section 6: Backfill 944.44CY of erosion with a dozer Compact 944.44CY of backfill with a dozer Grade 2,833.33SY Rip rap ditch with 40CY rock Section 7: Backfill 875CY of erosion with a dozer Compact 875CY of backfill with a dozer Grade 2,625SY Section 8: Backfill 657.41CY Compact 657.41CY Grade 2,625SY Rip rap ditch with 33.33CY Section 9: Backfill 370.33CY Compact 370.33CY Grade 2225SY The sub-grantee is not claiming direct administrative costs associated with their project worksheet in accordance with Public Assistance Policy 9525.9.

Does the Scope of Work change the pre-disaster conditions at the site? ☐ Yes ☒ No

Special Considerations included? ☒ Yes ☐ No

Hazard Mitigation proposal included? ☐ Yes ☒ No

Is there insurance coverage on this facility? ☐ Yes ☒ No

PROJECT COST

ITEM	CODE	NARRATIVE	QUANTITY/UNIT	UNIT PRICE	COST
1	0000	Work to be Completed	0/LS	\$ 0.00	\$ 0.00
2	9000	CEF Cost Estimate (See Attached Spreadsheet)	1/LS	\$ 137,748.00	\$ 137,748.00
				TOTAL COST	\$ 137,748.00
PREPARED BY John Haverstick		TITLE Project Specialist		SIGNATURE	
APPLICANT REP. Ken Washer		TITLE Supervisor		SIGNATURE	

MADISON : PA-05-IN-1997-PW-00596

Conditions Information

Review Name	Condition Type	Condition Name	Description	Monitored	Status
Final Review	Other (EHP)	Standard Condition #2	This review does not address all federal, state and local requirements. Acceptance of federal funding requires recipient to comply with all federal, state and local laws. Failure to obtain all appropriate federal, state and local environmental permits and clearances may jeopardize federal funding.	No	Approved
Final Review	Other (EHP)	Standard Condition #1	Any change to the approved scope of work will require re-evaluation for compliance with NEPA and other Laws and Executive Orders.	No	Approved
Final Review	Other (EHP)	Standard Condition #3	If ground disturbing activities occur during construction, applicant will monitor ground disturbance and if any potential archeological resources are	No	Approved

			discovered, will immediately cease construction in that area and notify the State and FEMA.		
EHP Review	Other (EHP)	Standard Condition #2	This review does not address all federal, state and local requirements. Acceptance of federal funding requires recipient to comply with all federal, state and local laws. Failure to obtain all appropriate federal, state and local environmental permits and clearances may jeopardize federal funding.	No	Recommended
EHP Review	Other (EHP)	Standard Condition #1	Any change to the approved scope of work will require re-evaluation for compliance with NEPA and other Laws and Executive Orders.	No	Recommended
EHP Review	Other (EHP)	Standard Condition #3	If ground disturbing activities occur during construction, applicant will monitor ground disturbance and if any potential archeological resources are discovered, will immediately cease construction in that area and notify the State and FEMA.	No	Recommended

Internal Comments				
No.	Queue	User	Date/Time	Reviewer Comments
2	Award Review	SYSTEM	12-08-2011 03:48 PM GMT	ACCEPTED
1	EHP Review	RATLIFF AMANDA	10-20-2011 06:52 PM GMT	<p>PA-05-IN-1997-PW-00596: MADISON . River Front Erosion and Ditch Repair along riverbank at nine locations.</p> <p>Based on information provided by the applicant, the scope of work for this project qualifies as a statutory exclusion (STATEX) under 44 CFR Part 10. Any change to the approved scope of work will require resubmission for re-evaluation for compliance with the National Environmental Policy Act. Non-compliance with this requirement may jeopardize the receipt of federal funding. The applicant is required to obtain and comply with all local state and federal permits. - kpoulson - 10/20/2011 18:23:37 GMT</p> <p>Per Flood Insurance Rate Map (FIRM) panel 180107B, dated 09/30/1977, the project is located in Zone A, (area with 1% annual chance of flooding (formerly the 100-year floodplain)) .Project is embankment repair to pre-disaster conditions, which is not likely to affect floodplain values. - kpoulson - 10/20/2011 18:37:22 GMT</p> <p>Per Programmatic Agreement dated September 22, 2005, SOW meets allowance (I)(A), pertaining to repair/replacement/hardening of footings, foundations, retaining walls, and other stabilization systems. - kpoulson - 10/20/2011 18:26:36 GMT</p>

FEDERAL EMERGENCY MANAGEMENT AGENCY

LOCATION MAP

APPLICANT: City of Madison

FIPS NO: 077-45990-00

CATEGORY:

G

PW/REF NO

JWH-034



FEDERAL EMERGENCY MANAGEMENT AGENCY

LOCATION MAP

APPLICANT: City of Madison

FIPS NO. 077-46990-00

DATE: 09/19/11

PW REF NO. JWH-034

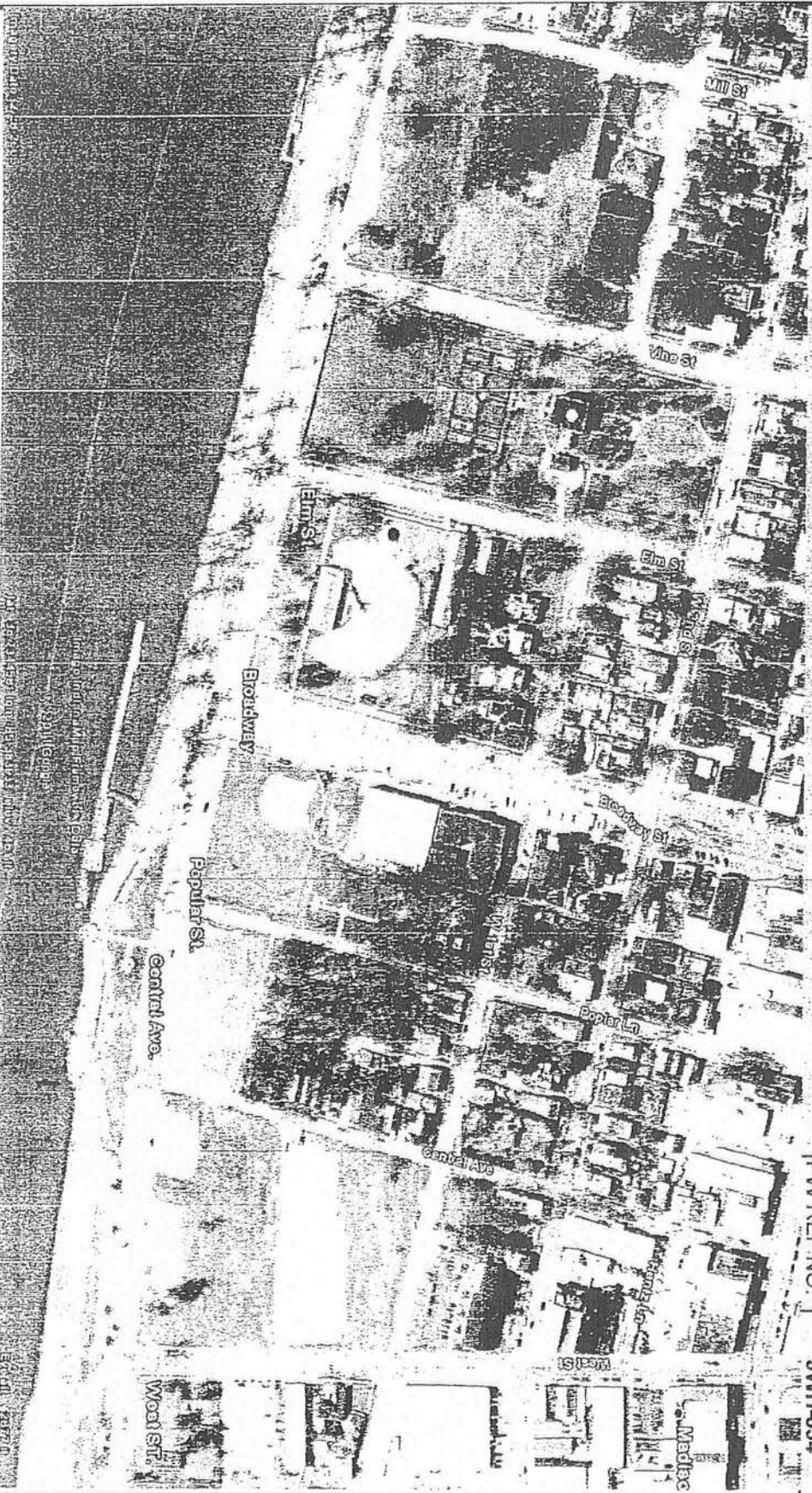
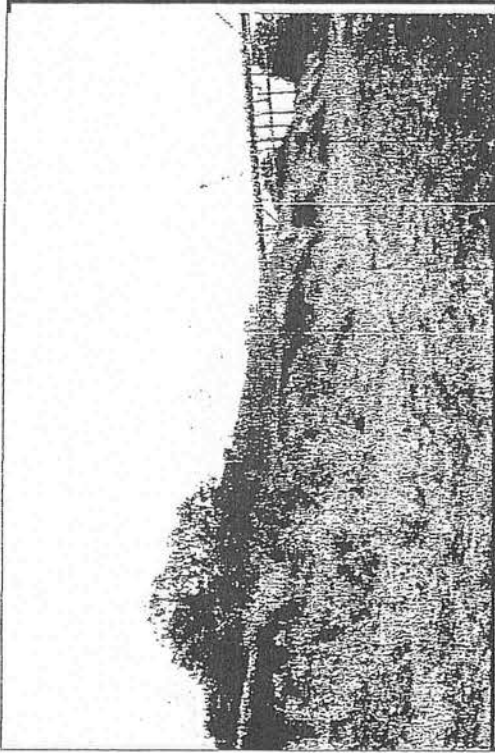
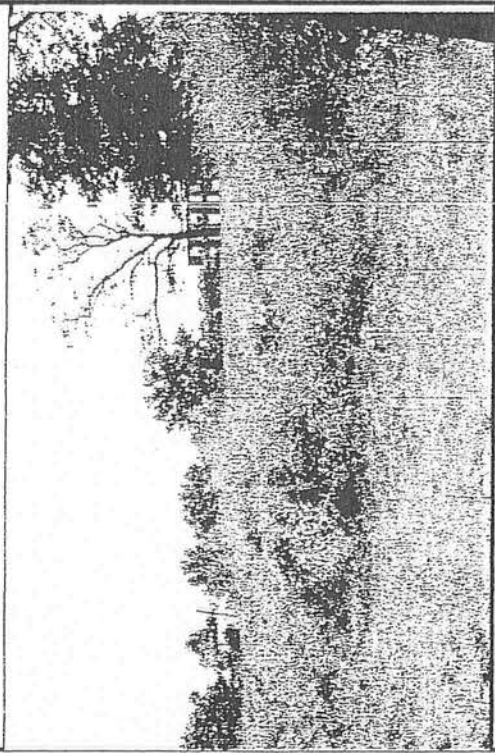


PHOTO SHEET

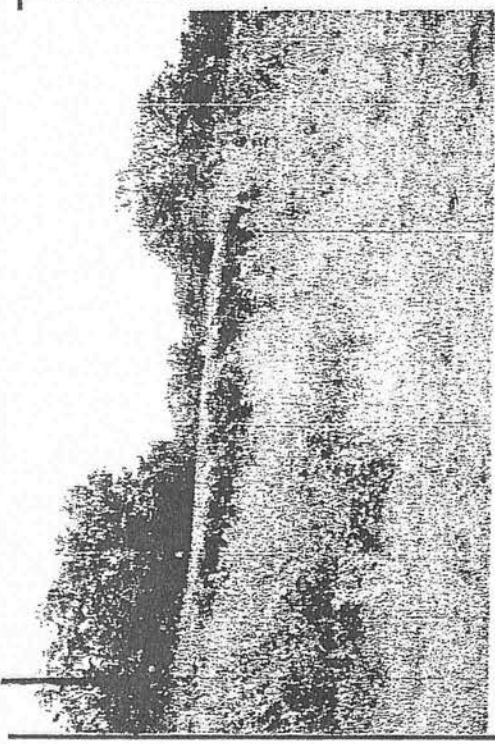
APPLICANT:	City of Madison	CATEGORY:	G
FIPS NO.	077-45990-00	PW REF NO.	JWH-034



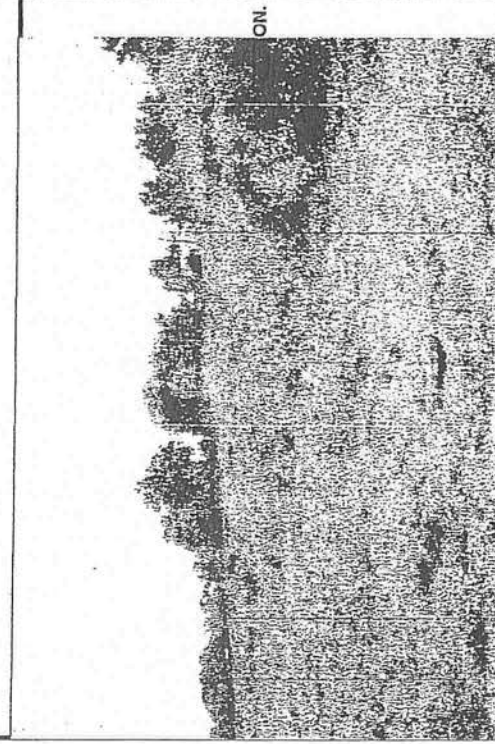
Typical river bank erosion from Clay St. to St. Michaels



Typical river bank erosion from East St. to Walnut St.



Typical river bank erosion from St. Michaels to East St.



Typical river bank erosion from Walnut St. to Jefferson St.

CORRECTED COPY

U.S. DEPARTMENT OF HOMELAND SECURITY
FEDERAL EMERGENCY MANAGEMENT AGENCY

PROJECT WORKSHEET

PAPERWORK BURDEN DISCLOSURE NOTICE

Public reporting burden for this form is estimated to average 90 minutes per response. Burden means the time, effort and financial resources expended by persons to generate, maintain, disclose, or to provide information to us. You may send comments regarding the burden estimate or any aspect of the collection, including suggestions for reducing the burden to: Information Collections Management, U.S. Department of Homeland Security, Federal Emergency Management Agency, 500 C Street, SW, Washington, DC 20472, Paperwork Reduction Project (OMB Control Number 1660-0017). You are not required to respond to this collection of information unless a valid OMB number appears in the upper right corner of this form. NOTE: Do not send your completed questionnaire to this address.

DECLARATION NO.	PW REF NO.	DATE	FIPS NO.	CATEGORY	EMMIE NO.
FEMA 1997 DR IN	JWH-034	09/19/11	077-45990-00	G	
APPLICANT				WORK COMPLETED AS OF:	
City of Madison				DATE:	PERCENT:
				09/19/11	0%
DAMAGED FACILITY				COUNTY	
River Front				Jefferson	
LOCATION				LATITUDE	LONGITUDE
River Front Along Vaughn Drive				38.73240	-85.37075

Was this site previously damaged? ☐ Yes ☒ No ☐ Unsure

DAMAGE DESCRIPTION AND DIMENSIONS:

During the incident period 04/19/11 to 06/06/11, Jefferson County Indiana had multiple severe storms with tornadoes, straight line winds and flooding rains. The Ohio River flooded past Vaugh Drive on three separate occasions and receded. Each time the river rose and receded it eroded the bank between Vaughn Drive and the river.

Section 1: Clay St. west to St. Michaels Ave., 38.73240, -85.37075 to 38.73246, -85.37296. The area of erosion is 630ft long x 110ft wide and the erosion depth ranges from 6ft to grade along the 110ft. dimension. Total erosion is $630 \times 110 \times 6/2 = 207,900\text{CF}/27 = 7,700\text{CY}$. A drainage ditch at St. Michaels Ave. lost river rock (No. 73 stone) 6ft wide x 100ft long x 3ft deep = $6 \times 100 \times 3 = 1800\text{CF}/27 = 66.67\text{CY}$

Section 2: St Michaels Ave. west to East St., 38.73240, -85.37=75 to 38.73250, -85.37425. The area of erosion is 370ft long x 95ft wide and the erosion depth ranges from 6ft. to grade along the 95ft dimension. Total erosion is $370 \times 95 \times 6/2 = 105,450\text{CF}/27 = 3,905.56\text{CY}$. A drainage ditch at East St. lost rip rap 6ft wide x 95 ft long x 3ft deep = $6 \times 95 \times 3 = 1710\text{CF}/27 = 63.34\text{CY}$

See Damage Description Continued

SCOPE OF WORK:

Fund at 75%

WORK TO BE COMPLETED

Section 1:

Backfill 7,700CY of erosion with a dozer

Compact 7,700CY of backfill with a dozer

Grade 7,700SY

River rock (No. 73 stone) ditch with 66.67CY rock

See Scope Of Work Continued

PROJECT COST

ITEM	CODE	NARRATIVE	QUANTITY	UNIT	UNIT PRICE	COST
		Work To Be Completed				\$ -
1	9000	From CEF (Attached)	1.00	LS	\$137,748.00	\$ 137,748.00
						\$ -
						\$ -
						\$ -
						\$ -
						\$ -
						\$ -
						\$ -
						\$ -
						\$ -
						\$ -
						\$ -
SUBTOTAL FROM COST CONTINUATION PAGE(S)						\$ -
TOTAL PROJECT COST						\$ 137,748.00

PREPARED BY: John Haverstick

TITLE: Project Specialist

FEMA PAC CREW LEADER: Carol Brain

STATE PAC CREW LEADER: David Bell (812) 265 8904

APPLICANT: Ken Washer

DATE:

PHONE:

812 265 8304

CORRECTED COPY

FEDERAL EMERGENCY MANAGEMENT AGENCY

DAMAGE DESCRIPTION & SCOPE OF WORK

DECLARATION NO.				PW REF NO.	DATE	FIPS NO.	CATEGORY	EMMIE NO.
FEMA	1997	DR	IN	JWH-034	09/19/11	077-45990-00	G	
APPLICANT							COUNTY	
City of Madison							Jefferson	

DAMAGE DESCRIPTION & SCOPE OF WORK (CONTINUED):

SCOPE OF WORK CONTINUED

Section 2

Backfill 3,905.56CY of erosion with a dozer
 Compact 3,905.56CY of backfill with a dozer
 Grade 3,905.56SY
 Rip rap ditch with 63.34CY rock

Section 3

Backfill 5,666.67CY of erosion with a dozer
 Compact 5,666.67CY of backfill with a dozer
 Grade 5,666.67SY
 Rip rap ditch with 80CY rock

Section 4

Backfill 3,866.67CY of erosion with a dozer
 Compact 3,866.67CY of backfill with a dozer
 Grade 5,800SY
 River rock (No. 73 stone) ditch with 66.67CY rock

Section 5

Backfill 3,259.26CY of erosion with a dozer
 Compact 3,259.26CY of backfill with a dozer
 Grade 4,400SY
 Rip rap ditch with 66.67CY rock

Section 6

Backfill 944.44CY of erosion with a dozer
 Compact 944.44CY of backfill with a dozer
 Grade 2,833.33SY
 Rip rap ditch with 40CY rock

Section 7

Backfill 875CY of erosion with a dozer
 Compact 875CY of backfill with a dozer
 Grade 2,625SY

Section 8

Backfill 657.41CY
 Compact 657.41CY
 Grade 2,625SY
 Rip rap ditch with 33.33CY

Section 9

Backfill 370.33CY
 Compact 370.33CY
 Grade 2225SY

The sub-grantee is not claiming direct administrative costs associated with their project worksheet in accordance with Public Assistance Policy 9525.9.

PREPARED BY: John Haverstick

TITLE: Project Specialist

SPECIAL CONSIDERATIONS

DISASTER		APPLICANT NAME	PW REF NO.	FIPS NO.	DATE
1997	IN	City of Madison	JWH-034	077-45990-00	09/19/11

1. Does the damaged facility or item of work have insurance and/or is it an insurable risk? (e.g., buildings, equipment, vehicles, etc.)
☐ Yes ☒ No ☐ Unsure

2. Is the damaged facility located within a floodplain or coastal high hazard area, or does it have an impact on a floodplain or wetland?
☒ Yes ☐ No ☐ Unsure
 All of the locations are in Zone A, 1% chance of annual flooding

3. Is the damaged facility or item of work located within or adjacent to a Coastal Barrier Resource System Unit or an Otherwise Protected Area?
☐ Yes ☒ No ☐ Unsure

4. Will the proposed facility repairs/reconstruction change the pre-disaster condition? (e.g., footprint, material, location, capacity, use or function)
☐ Yes ☒ No ☐ Unsure

5. Does the applicant have a hazard mitigation proposal or would the applicant like technical assistance for a hazard proposal?
☐ Yes ☒ No ☐ Unsure

6. Is the damaged facility on the National Register of Historic Places or the state historic listing? Is it older than 50 years? Are there more, similar buildings near the site?
☐ Yes ☒ No ☐ Unsure
 Facility Constructed In:

7. Are there any pristine or undisturbed areas on, or near, the project site? Are there large tracts of forestland?
☐ Yes ☒ No ☐ Unsure

8. Are there any hazardous materials at or adjacent to the damaged facility and/or item of work?
☐ Yes ☒ No ☐ Unsure

9. Are there any other environmentally or controversial issues associated with the damaged facility and/or item of work?
☐ Yes ☒ No ☐ Unsure

10. Is the damaged facility or item of work located within two-hundred feet of a body of water? (If applicable)
☐ Yes ☒ No ☐ Unsure

PREPARED BY: John Haverstick

CEF Fact Sheet

9/22/2011

City Of Madison - River Bank

Date of Estimate:	September 22, 2011
FEMA Region:	V
Preparer(s):	Julio Bateau
Applicant Name:	City Of Madison
Project Title:	River Front Along Vaughn Drive
Damaged Facility:	River Bank
Declaration Number:	1997
Project Number:	Bat 022
PA ID No.:	077-45990-00
Date of Inspection:	September 19, 2011
Event Date(s)	04/19/11 to 06/06/11
Work Category:	G
Type of Work:	Repair
(Enter New, Repair, etc.)	

Preparer's Notes:

Project consists of restoring the City of Madison river front, 3800 feet of shore lines, to its pre disaster form and function. The work does not require a general contractor. It is believed that an excavation company is all that is needed.

CEF Notes

9/22/2011

City Of Madison - River Bank

Damaged Facility:	River Bank
Applicant Name:	City Of Madison
Project Number:	Bat 022
Date of Estimate:	September 22, 2011
Preparer(s):	Julio Bateau
Part A Notes:	<p>A.1 - Unit Costs taken from R.S.Means Costworks using Building Cost data. CostWorks data updated to 2011. Unit cost data set Bloomington, IN Zip 461. Therefore the City Adjustment Factor is 1.0</p> <p>A.2 - N/A</p>
Part B Notes:	<p>B.1 - 4% the lower of recommended value for safety and site security is included for barricades, temporary signage and flagging. 0.5% the average recommended value is included for temporary utilities including sanitary, potable water and communications.</p> <p>B.2 - General contractor is not expected to be required</p>
Part C Notes:	<p>C.1 - N/A</p> <p>C.2 - N/A</p> <p>C.3 - 1% the lower recommended value included for access contingencies. There is access to construction labor, materials and equipment. 1% the lower recommended value included for storage, there are ample exterior storage areas. 1% the lower recommended value for staging contingency. There is ample space to assemble elements of work.</p> <p>C.4 -</p>
Part D Notes:	<p>D.1 - General contractor is not expected to be required. Overhead is included in the unit cost of the estimate</p> <p>D.2 - N/A</p> <p>D.3 - General contractor is not expected to be required. Profit is included in the unit cost of the estimate</p>
Part E Notes:	E - N/A
Part F Notes:	<p>F.1 - N/A</p> <p>F.2 - N/A</p>
Part G Notes:	G.1 - N/A
Part H Notes:	<p>H.1 -</p> <p>H.2 - 3% the recommended value is included for construction inspection.</p> <p>H.3 -</p>
Miscellaneous Notes & Comments:	

CEF Part A

9/22/2011

City Of Madison - River Bank

Item No.	Item Description Title / Component Description	Div. # or Cost Code	Qty	Units	Unit Price	City Adj Factor	Total Cost
Completed Work Items							
Add Row	Completed Permanent Items						

CEF Part A

9/22/2011

City Of Madison - River Bank

Item No.	Item Description Title / Component Description	Div. # or Cost Code	Qty	Units	Unit Price	City Adj Factor	Total Cost
Add Row	Deleted Work Items						
Add Row	Uncompleted Permanent Items						
	Section 1						\$ -
	Mobilization or demobilization, dozer, loader, backhoe or excavator, 70 H.P. to 150 H.P., up to 50 miles	015436500020	2.00	Ea.	\$198.01	1	\$396.02
	Backfill, bulk, up to 300' haul, dozer backfilling, excludes compaction	312323131300	7,700.00	L.C.Y.	\$1.44	1	\$11,086.46
	Compaction, around structures and trenches, 2 passes, 18" wide, 6" lifts, walk behind, vibrating plate	312323237000	7,700.00	E.C.Y.	\$2.15	1	\$16,556.54
	Fine grading, slopes, gentle, finish grading	312216103300	7,700.00	S.Y.	\$0.16	1	\$1,232.00
	Rip-rap and rock lining, random, broken stone, machine placed for slope protection	313713100100	66.67	L.C.Y.	\$46.50	1	\$3,100.49
	Section 2						
	Backfill, bulk, up to 300' haul, dozer backfilling, excludes compaction	312323131300	3,905.56	L.C.Y.	\$1.44	1	\$5,623.23
	Compaction, around structures and trenches, 2 passes, 18" wide, 6" lifts, walk behind, vibrating plate	312323237000	3,905.56	E.C.Y.	\$2.15	1	\$8,397.74
	Fine grading, slopes, gentle, finish grading	312216103300	3,905.56	S.Y.	\$0.16	1	\$624.89
	Rip-rap and rock lining, random, broken stone, machine placed for slope protection	313713100100	63.34	L.C.Y.	\$46.50	1	\$2,945.62
	Section 3						
	Backfill, bulk, up to 300' haul, dozer backfilling, excludes compaction	312323131300	5,666.67	L.C.Y.	\$1.44	1	\$8,158.87
	Compaction, around structures and trenches, 2 passes, 18" wide, 6" lifts, walk behind, vibrating plate	312323237000	5,666.67	E.C.Y.	\$2.15	1	\$12,184.47
	Fine grading, slopes, gentle, finish grading	312216103300	5,666.67	S.Y.	\$0.16	1	\$906.67
	Rip-rap and rock lining, random, broken stone, machine placed for slope protection	313713100100	80.00	L.C.Y.	\$46.50	1	\$3,720.40
	Section 4						
	Backfill, bulk, up to 300' haul, dozer backfilling, excludes compaction	312323131300	3,866.67	L.C.Y.	\$1.44	1	\$5,567.23
	Compaction, around structures and trenches, 2 passes, 18" wide, 6" lifts, walk behind, vibrating plate	312323237000	3,866.67	E.C.Y.	\$2.15	1	\$8,314.11
	Fine grading, slopes, gentle, finish grading	312216103300	5,800.00	S.Y.	\$0.16	1	\$928.00
	Rip-rap and rock lining, random, broken stone, machine placed for slope protection	313713100100	80.00	L.C.Y.	\$46.50	1	\$3,720.40
	Section 5						
	Backfill, bulk, up to 300' haul, dozer backfilling, excludes compaction	312323131300	3,259.26	L.C.Y.	\$1.44	1	\$4,692.68
	Compaction, around structures and trenches, 2 passes, 18" wide, 6" lifts, walk behind, vibrating plate	312323237000	3,259.26	E.C.Y.	\$2.15	1	\$7,008.06
	Fine grading, slopes, gentle, finish grading	312216103300	4,400.00	S.Y.	\$0.16	1	\$704.00
	Rip-rap and rock lining, random, broken stone, machine placed for slope protection	313713100100	66.67	L.C.Y.	\$46.50	1	\$3,100.49
	Section 6						
	Backfill, bulk, up to 300' haul, dozer backfilling, excludes compaction	312323131300	944.44	L.C.Y.	\$1.44	1	\$1,359.80
	Compaction, around structures and trenches, 2 passes, 18" wide, 6" lifts, walk behind, vibrating plate	312323237000	944.44	E.C.Y.	\$2.15	1	\$2,030.73
	Fine grading, slopes, gentle, finish grading	312216103300	2,833.33	S.Y.	\$0.16	1	\$453.33
	Rip-rap and rock lining, random, broken stone, machine placed for slope protection	313713100100	40.00	L.C.Y.	\$46.50	1	\$1,860.20
	Section 7						
	Backfill, bulk, up to 300' haul, dozer backfilling, excludes compaction	312323131300	875.00	L.C.Y.	\$1.44	1	\$1,259.83
	Compaction, around structures and trenches, 2 passes, 18" wide, 6" lifts, walk behind, vibrating plate	312323237000	875	E.C.Y.	\$2.15	1	\$1,881.43
	Fine grading, slopes, gentle, finish grading	312216103300	2,625.00	S.Y.	\$0.16	1	\$420.00
	Section 8						
	Backfill, bulk, up to 300' haul, dozer backfilling, excludes compaction	312323131300	657.41	L.C.Y.	\$1.44	1	\$946.54
	Compaction, around structures and trenches, 2 passes, 18" wide, 6" lifts, walk behind, vibrating plate	312323237000	657.41	E.C.Y.	\$2.15	1	\$1,413.56
	Fine grading, slopes, gentle, finish grading	312216103300	2,625.00	S.Y.	\$0.16	1	\$420.00
	Rip-rap and rock lining, random, broken stone, machine placed for slope protection	313713100100	33.33	L.C.Y.	\$46.50	1	\$1,550.01
	Section 9						
	Backfill, bulk, up to 300' haul, dozer backfilling, excludes compaction	312323131300	370.33	L.C.Y.	\$1.44	1	\$533.20

CEF Part A

9/22/2011

City Of Madison - River Bank

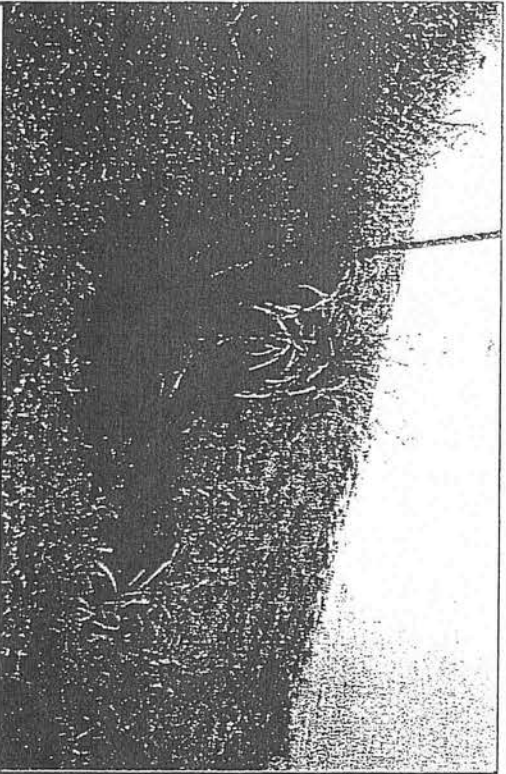
Item No.	Item Description Title / Component Description	Div. # or Cost Code	Qty	Units	Unit Price	City Adj Factor	Total Cost
	Compaction, around structures and trenches, 2 passes, 18" wide, 6" lifts, walk behind, vibrating plate	312323237000	370.33	E.C.Y.	\$2.15	1	\$796.28
	Fine grading, slopes, gentle, finish grading	312216103300	2,225.00	S.Y.	\$0.16	1	\$356.00
					\$ -		\$ -
Uncompleted - Permanent Total							\$ 124,249.28
Add Row	Uncompleted Non-Permanent Items						
TOTAL PART A BASE CONSTRUCTION COST							\$ 124,249.28

FEDERAL EMERGENCY MANAGEMENT AGENCY

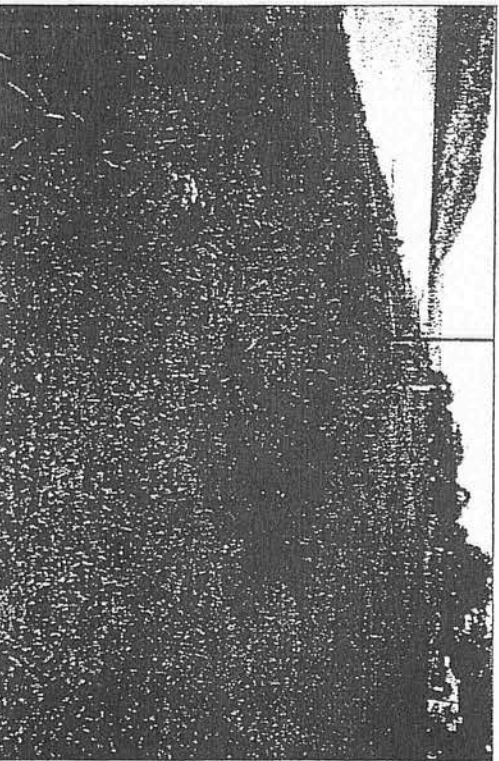
PHOTO SHEET

APPLICANT: City of Madison
FIPS NO. 077-45990-00

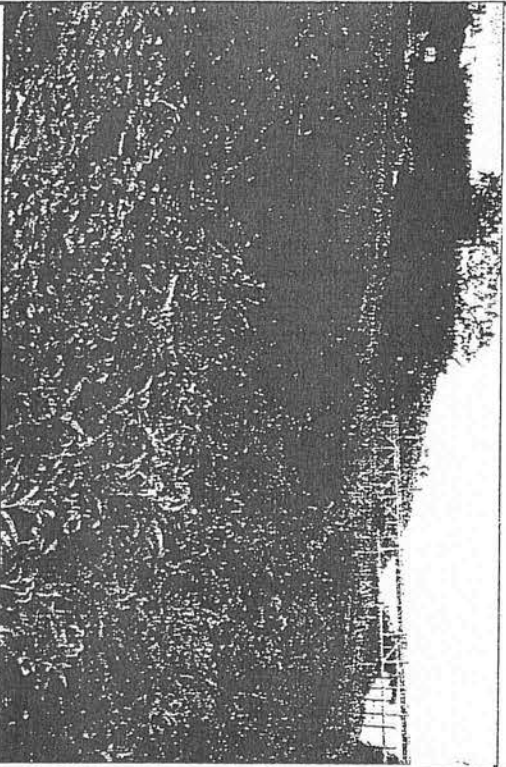
CATEGORY: G
PW REF NO. JWH-034



Typical river bank erosion from Clay St. to St. Michaels

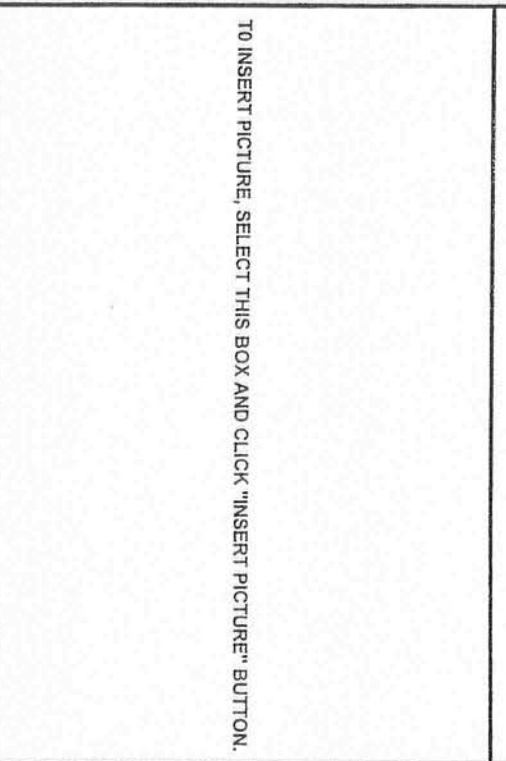


Typical river bank erosion from St. Michaels to East St.



Typical river bank erosion from East St. to Walnut St.

TO INSERT PICTURE, SELECT THIS BOX AND CLICK "INSERT PICTURE" BUTTON.



Typical river bank erosion from Walnut St. to Jefferson St.

CEF Summary of Uncompleted Work

9/22/2011

City Of Madison - River Bank									
		Repair	\$	-	\$	-	\$	-	Total
A "Base Costs" for Construction Work-In Trades									
A.1	Permanent Work (CEF Part A)	\$	124,249						\$ 124,249
A.2	Non-Permanent Job Specific Work (CEF Part A)								\$ -
Part A Total		\$	124,249	\$	-	\$	-	\$	124,249
B General Requirements and General Conditions									
B.1	General Requirements	Range Low to High							
	Safety & Security	4.0% 6.0%	4.0%						
	Temporary Services & Utilities	0% 1.0%	0.5%						
	Quality Control	0% 1.0%							
	Submittals	0% 5.0%							
			\$ 5,591	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,591
B.2	General Conditions (4.25%)								
			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Part B Total			\$ 5,591	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,591
PART A through B SUBTOTAL			\$ 129,841	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 129,841

CEF Summary of Uncompleted Work

9/22/2011

City Of Madison - River Bank									
				Repair	\$	-	\$	-	Total
Construction Cost Contingencies									
C									
C.1	Design-Phase Scope Contingencies	Range Low to High		Enter % in Appropriate Column					
	Preliminary Engineering Analysis	7.0%	20.0%						
	Working Drawings	2.0%	10.0%						
				\$	-	\$	-	\$	-
C.2	Facility or Project Constructability	Enter % in Appropriate Column							
	Facility or Project Type and Complexity	See IG for Values							
				\$	-	\$	-	\$	-
C.3	Access, Storage & Staging	Range Low to High		Enter % in Appropriate Column					
	Access Contingencies	0%	4.0%	1.0%					
	Storage Contingencies	0%	4.0%	1.0%					
	Staging Contingencies	0%	4.0%	1.0%					
				\$	3,895	\$	-	\$	-
C.4	Economies of Scale								
				\$	-	\$	-	\$	-
				\$	-	\$	-	\$	-
	Part C Total			\$	3,895	\$	-	\$	-
	PART A through C SUBTOTAL			\$	133,736	\$	-	\$	-

CEF Summary of Uncompleted Work

9/22/2011

City Of Madison - River Bank							
		Repair	\$	-	\$	-	Total
D General Contractor's Overhead and Profit							
D.1	GC's Home Office Overhead	7.7%					
			\$	-	\$	-	\$ -
D.2	GC's Insurance, Payment & Performance Bonds	3.3%					
			\$	-	\$	-	\$ -
D.3	General Contractor's Profit						
	New Construction						
	Repair/Retrofit						
			\$	-	\$	-	\$ -
	Part D Total		\$	-	\$	-	\$ -
	PART A through D SUBTOTAL		\$ 133,736	\$ -	\$ -	\$ -	\$ 133,736
E Cost Escalation Factors							
E	Cost Escalation Factor						
	Months						
	Monthly Factor						
	Part E Total		\$	-	\$	-	\$ -
	PART A through E SUBTOTAL		\$ 133,736	\$ -	\$ -	\$ -	\$ 133,736

CEF Summary of Uncompleted Work

9/22/2011

City Of Madison - River Bank							
	Repair	\$	-	\$	-	\$	Total
F Plan Review and Permit Construction Cost							
F.1 Plan Review Fees							
(List Individual Requirements Separately)							
	\$	-	\$	-	\$	-	\$ -
F.2 Construction Permit Fees							
(List Individual Requirements Separately)							
	\$	-	\$	-	\$	-	\$ -
Part F Total	\$	-	\$	-	\$	-	\$ -
PART A through F SUBTOTAL	\$	133,736	\$	-	\$	-	\$ 133,736
G Applicant's Reserve for Change Orders							
G Applicant's Reserve for Change Orders							
	7.0%		7.0%		7.0%		
Part G Total	\$	-	\$	-	\$	-	\$ -
PART A through G SUBTOTAL	\$	133,736	\$	-	\$	-	\$ 133,736

CEF Summary of Uncompleted Work

9/22/2011

City Of Madison - River Bank									
		Repair	\$	-	\$	-	\$	-	Total
H Applicant's Project Management And Design Costs									
H.1	Applicant's Project Management - Design Phase	1.0%							
			\$	-	\$	-	\$	-	\$
H.2	A/E Design Contract Applicability								
	Above Average Complexity (Curve A)		24.8%		5.6%		5.6%		5.6%
	Average Complexity (Curve B)		13.9%		4.5%		4.5%		5.6%
	Basic Construction Inspection Services		3.0%		3.0%		3.0%		3.0%
	A/E Design Contract Cost								
	Above Average Complexity (Curve A)		\$	-	\$	-	\$	-	\$
	Average Complexity (Curve B)		\$	-	\$	-	\$	-	\$
	Basic Construction Inspection Services		\$	4,012	\$	-	\$	-	\$
			\$	4,012	\$	-	\$	-	\$ 4,012
H.3	Project Management - Construction Phase								
			6.0%		6.0%		6.0%		6.0%
			\$	-	\$	-	\$	-	\$
	Part H Total		\$	4,012	\$	-	\$	-	\$ 4,012
PART A through H SUBTOTAL			\$	137,748	\$	-	\$	-	\$ 137,748
TOTAL OF UNCOMPLETED WORK									\$137,748

FEDERAL EMERGENCY MANAGEMENT AGENCY

FIRMETTE

APPLICANT:	City of Madison	CATEGORY:	G
FIPS NO.	077-45990-00	PW REF NO.	JWH-034

