

PA-06-TX-4223-PW-00680(0) <u>P</u>	
Applicant Name:	Application Title:
WILLIAMSON (COUNTY)	WIL003C - CR 384 Low Water Crossing (LWC) Facility
Period of Performance Start:	Period of Performance End:
05-29-2015	11-29-2016

Subgrant Application - Entire Application

Application Title: WIL003C - CR 384 Low Water Crossing (LWC) Facility

Application Number: PA-06-TX-4223-PW-00680(0)

Application Type: Subgrant Application (PW)

Preparer Information

Prefix
First Name PATRICK
Middle Initial J
Last Name MCFADDEN
Title Technical Specialist
Agency/Organization Name FEMA/DHS
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Address 2
City Denton
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Is the application preparer the Point of Contact? No

Point of Contact Information

Prefix
First Name Dan
Middle Initial
Last Name Gattis
Title County Judge
Agency/Organization Williamson County
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Address 2
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State TX
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dgattis@wilco.org

Alternate Point of Contact Information

Jarred

Thomas

Emergency Management Coordinator

Williamson County

710 Main Street, Suite 101

City

Georgetown

TX

78626

Phone

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Project Description

Disaster Number:

4223

Pre-Application Number:

PA-06-TX-4223-RPA-0134

Applicant ID:

491-99491-00

Applicant Name:

WILLIAMSON (COUNTY)

Subdivision:

Project Number:

WIL003C

Standard Project Number/Title:

399 - Road System Damage

Please Indicate the Project Type:

Neither Alternate nor Improved

Application Title:

WIL003C - CR 384 Low Water Crossing (LWC) Facility

Category:

C.ROADS & BRIDGES

Percentage Work Completed?

0.0 %

As of Date:

10-12-2015

Comments
Attachments

Damage Facilities (Part 1 of 2)

Facility Number	Facility Name	Address	County	City	State	ZIP	Site Previously Damaged?	Action
1	Low Water Crossing (LWC) Facility on CR-384 over Donahoe Creek	County Road (CR) 384	Williamson	Barlet	TX		No	

Comments
Attachments

User	Date	Document Type	Description	Hard Copy File Reference	File Name	Action
PATRICK MCFADDEN	11-02-2015	Map	Aerial Photo CR 384	Aerial Photo CR 384	Aerial Photo CR 384.jpg(723.61 kb)	View
PATRICK MCFADDEN	11-02-2015	Drawings/Sketches	Sketch of CR 384 Damages: Site Inspection Notes	Sketch of CR 384 Damages	Sketch of CR 384 Damages.pdf(283.67 kb)	View
PATRICK MCFADDEN	11-02-2015	Drawings/Sketches	Plan Elevation and Section of LWC CR 384 P1	Plan Elevation and Section of LWC CR 384 P1	Plan Elevation and Section of LWC CR 384 P1.pdf(228.78 kb)	View
PATRICK MCFADDEN	11-02-2015	Photos	Photos of LWC Damages while Water Levels Still High	Photos for CR 384 Damages	Photos for CR 384 Damages.pdf(7.60 Mb)	View
PATRICK MCFADDEN	11-02-2015	Photos	CR 384 Down Stream Overall View of LWC looking North	CR 384 Down Stream View of LWC looking North	CR 384 Down Stream View of LWC looking North.jpg(115.41 kb)	View
PATRICK MCFADDEN	11-02-2015	Photos	CR 384 Down Stream View of Culvert West 03 and LWC	CR 384 Down Stream View of Culvert West 03 and LWC	CR 384 Down Stream View of Culvert West 03 and LWC.jpg(120.81 kb)	View
PATRICK MCFADDEN	11-02-2015	Photos	CR 384 Down Stream View of Culvert West 02	CR 384 Down Stream View of Culvert West 02	CR 384 Down Stream View of Culvert West 02.jpg(110.92 kb)	View
PATRICK MCFADDEN	11-02-2015	Photos	CR 384 Up Stream View of Culvert 02	CR 384 Up Stream View of Culvert 02	CR 384 Up Stream View of Culvert 02.jpg(98.87 kb)	View
PATRICK MCFADDEN	11-02-2015	Photos	CR 384 Roadway Surface Damages	CR 384 Roadway Surface Damages 02	CR 384 Roadway Surface Damages 02.jpg(143.10 kb)	View
PATRICK MCFADDEN	11-02-2015	Photos	CR 384 Detail at Beginning of LWC	CR 384 Detail at Beginning of LWC 02	CR 384 Detail at Beginning of LWC 02.jpg(128.77 kb)	View

Facility Name:	Low Water Crossing (LWC) Facility on CR-384 over Donahoe Creek
Address 1:	County Road (CR) 384
Address 2:	
County:	Williamson
City:	Barlet
State:	TX
ZIP:	
Was this site previously damaged?	No
Percentage Work Completed?	0.00 %
Location:	Low Water Crossing (LWC) Facility on CR-384 over Donahoe Creek (1,425) feet south of the intersection of CR-384 and CR 487.

Damage Description and Dimensions:

Due to the heavy continuous rains and subsequent flooding as a result of the Incident Storm, the Incident Period of May 4 to June 22, 2015, the Applicant, Williamson County, sustained damages to facilities throughout its jurisdiction, including this single lane, (16) foot wide by (60) foot long concrete structure Low Water Crossing (LWC) Facility on CR-384 over Donahoe Creek in Barlet, Texas, (GPS: 30.80818, -97.50308).

The LWC was in fair condition: however, as constructed it spans over a creek with a single (36) inch maximum high by (12) foot wide at the base cast-in-place semi-octagonal "arch" culvert, and side walls of (12) inch by (4.5) foot high by (60) foot long concrete bearing on bedrock. The road surface consists of a (6) inch thick concrete slab resting on compacted rock base and the top level equal with the top of the concrete sidewalls. The concrete surface had an additional bituminous topping wear surface of approximately (2) inches thick, which was in poor condition. The water level during normal flows is approximately (12) to (48) inches below the road way surface.

The Incident Storm flooding caused a large and continuous flow of water to run into the side of and over this LWC, and washing over the roadway surface damaging not only the bituminous and the concrete road surfaces of the LWC, but also rendering the entire structure damaged beyond repair through the evidence of through-material cracks and rock separations. The damages are as follows: (all dimensions are approximate):

- 1). Bituminous paving surface of (14) foot wide by (16) feet long or (224) square feet or
(24.88) square yards per inch by (2) inches thick, or (49.77) square yards was damaged;
 - 2). Concrete paving surface of (14) foot wide by (16) feet long or (224) square feet by
(6) inches thick, or (4.15) cubic yards was destroyed;
 - 3). Paving surface base of (14) foot wide by (16) feet long or (224) square feet by
(12) inches thick, or (8.3) cubic yards was displaced;
 - 4). Removing a portion of the down-stream side of the (12) inch thick concrete sidewall of approximately
(14) feet long by (12) inches deep or (14) square feet was destroyed;
and
 - 5). An approximate area of (16) foot wide by (16) foot long or (256) square feet by
(12) inches deep or (9.5) cubic yard portion of the LWC was undermined.
- However, the entire LWC structural concrete support system, consisting of:
- a). (2) walls on each side (4.5) feet high by (60) feet long by (1) foot thick walls or (10) cubic yards each or
(20) cubic yards of concrete; and a
 - b). (36) inch high by (72) inch wide by (16) foot long of semi-octagonal "arch" culvert constructed of
(12) inch thick concrete or (9) cubic yards for a total of (29) cubic yards of concrete LWC structure,
sustained lateral force-damages resulting in structural cracks throughout the structural,
rendering the structure completely destroyed. Thus, items Number 1 thru 5 will be eliminated and
replaced with new materials and quantities for a new (16) foot by (60) foot LWC structure
and will need to be removed and replaced.

*****End of Damage Description and Dimensions*****

Work Completed to Restore the Facility to Pre-Storm Condition: None.

Work to be Completed to Restore the Facility to Pre-Storm Condition:

Prepare the site for repairs: cleaning the site area of damaged materials including concrete,

1). Remove (16) foot by (60) foot or (106.66) square yards per inch by (2) inch thick or

(213.33) square yards of (2) inch thick bituminous surface: replacement not required;

2). Remove and Replace (16) foot by (60) foot by (6) inch thick or (17.77) cubic yards of

concrete paving surface of that was destroyed;

3). Remove and Replace (16) foot by (60) foot by (12) inch thick or (26.66) cubic yards of

compacted paving surface base that was damaged;

4). (No work Required, incorporated in Item Number 6 below);

5). (No work Required, incorporated in Item Number 6 below);

6). Remove and Replace the entire LWC structural concrete support system, consisting of:

a). side walls of (4.5) feet high by (60) feet long by (1) foot thick walls or (10) cubic yards each or

(20) cubic yards of concrete side walls that were destroyed; and

a

b). (36) inch high by (72) inch wide by (16) foot long by (12) inch thick concrete or (9) cubic yards

of semi-octagonal "arch" culvert that was destroyed.

Note: The Applicant intends to replace the (36) inch by (12) foot cast-in-place concrete culvert with a (3) foot by (12) foot box culvert, and the Applicant's solution could be evaluated as an Improved or Alternate Project.

– PROJECT NOTE: Based on the FEMA site inspection, FEMA has determined that the damage appears to be eligible for reimbursement of the repairs.

– PROCUREMENT: The Applicant was advised by FEMA PAC and/or Project Specialist that in the seeking of proposals and letting of contracts for eligible work, the Applicant must comply with its Local, State and/or Federal procurement laws, regulations, and procedures as required by 2 CFR 317-326.

– RECORD RETENTION: As described in 2 CFR 200.33 Subgrantee must maintain all work-related records for a period of three (3) years from Subgrantee closure (final payment), all records relative 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.

– PERMITS: Federal Funding is contingent upon acquiring all necessary Federal, State and Local permits. Noncompliance with this requirement may jeopardize the receipt of federal funds. The applicant is responsible for obtaining all required permits prior to the commencement of work.

– ENVIRONMENTAL AND HISTORIC PRESERVATION: Applicant must comply with all applicable environmental and historic preservation laws. Federal funding is contingent upon acquiring all necessary Federal, State and Local permits. Noncompliance with this requirement may jeopardize the receipt of federal funds.

– CHANGES TO SCOPE OF WORK DESCRIBED IN THIS PW/SA (SUBGRANT APPLICATION): The applicant shall comply with all applicable codes and standards in the completion of eligible work to repair or replace damaged public facilities. Any change to the approved scope of work on a Project Worksheet (PW/SA) must be reported and approved before work begins. Failure to report changes may jeopardize Federal and State funding. In the case

Scope of Work:

of a change in scope of work, the applicant should immediately notify Wendell Allen, Section Administrator, Texas Department of Emergency Management prior to starting work.

– INSURANCE REVIEW: The applicant is aware that all projects are subject to an insurance review as stated in 44 C.F.R. Sections 206.252 and 206.253. If applicable, an insurance determination will be made either as anticipated proceeds or actual proceeds in accordance with the applicant's insurance policy which may affect the total amount of the project. Approval of this project may result in an obtain/maintain insurance requirement. The Subgrantee must comply with insurance reviewer terms and conditions upon receipt of sub-grant from the State.

– COST BASIS FOR LABOR, EQUIPMENT AND MATERIALS: Costs used to formulate this project were based on:

- RS Means cost estimating guide with local costs as factors

– AUDIT STATEMENT: All documentation related to this project worksheet is subject to audit and must reflect disaster – related work and project – specific cost. The applicant has been advised of responsibility to maintain supporting documentation (records). The type of records to be maintained is specified in FEMA policy 2 CFR Subpart F, Audit Requirements. Records must be maintained for three 3 years from the date the last project was completed or from the date final payment was received, whichever is later.

– 75% FEDERAL FUNDING: In accordance with FEMA policy 9523.9 and current disaster declaration determinations, this project worksheet will be funded with the Federal Cost share at 75% of all eligible costs.

– By accepting this grant the Applicant to the best of their ability acknowledges that all damages described within this Sub-grant Application and all associated costs being claimed were a direct result of the declared event, and in connection with the incident period of 05/04/2015 through 06/22/2015 with the exception of requests for alternate or improved projects.

– WORK TO BE COMPLETED: Upon completion, this site will be returned to its original design, function, and capacity within the original footprint. Acquiring all necessary Federal, State, and local permits is required for Federal Funding. Noncompliance with this requirement may jeopardize the receipt of Federal funds

– SMALL PROJECTS, ANY CATEGORY: For small projects FEMA pays based on the actual or estimated cost in order to expedite the funds (Digest pg. 121.) FEMA does not perform final inspections on small projects; however, the state must certify compliance. The applicant does have the ability to request a small project netting (appeal) if/when significant net small over-runs occur. This process will involve a review of all documentation for all small projects and an adjustment will be made for the total actual eligible dollars spent (over-run/under-run). A final Project Worksheet will then be required in EMMIE to capture all the eligible PA costs for the small projects.

– SMALL PROJECT CHANGE REQUEST: Change requests to small project worksheets will not be approved unless there is a change in the approved scope of work. This change must be approved prior to the construction. If after completion of all small projects the applicant incurs a significant net small project overrun, the applicant must file an appeal within 60 day of completion of the applicant's last small project. All requests must be submitted through the grantee.

*****End of Scope of Work*****

Hazard Mitigation Proposal

* Is effective mitigation feasible on this site?

No

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

Will mitigation be performed on this site? 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:
(maximum 4000 characters)

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

GIS Coordinates

Project Location	Latitude	Longitude
LWC Facility on CR-384 over Donahoe Creek	30.80818	-97.50308

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)

Flood Zone "AE", refer to FEMA FIRM FM48491C0150E

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

User	Date	Document Type	Description	Hard Copy File Reference	File Name	Action
PATRICK MCFADDEN	10-30-2015	Floodplain	Flood Map FM48491C0150E	FM48491C0150E	FM48491C0150E.pdf(103.42 kb)	View

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	
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(Preferred) Repair									
Sequence	Code	Material and/or Description	Unit Quantity	Unit of Measure	Unit Price	Subgrant Budget Class	Type	Cost Estimate	Action
*** Version 0 ***									
Work Completed									
1	9999	NONE	1	LS	\$ 0.00	CONSTRUCTION	Work Completed	\$ 0.00	
Work To Be Completed									
2	9999	Costs of Repairs/Replacement (see Spreadsheet)	1	LS	\$ 43,170.89	CONSTRUCTION	Work To Be Completed	\$ 43,170.89	
Direct Subgrantee Admin Cost									
3	9901	Direct Administrative Costs (Subgrantee)	1	LS	\$ 575.00	INDIRECT CHARGES	Direct Subgrantee Admin Cost	\$ 575.00	
								Total Cost : \$ 43,745.89	

Insurance Adjustments (Deductibles, Proceeds and Settlements) - 5900/5901									
Sequence	Code	Material and/or Description	Unit Quantity	Unit of Measure	Unit Price	Subgrant Budget Class	Type	Cost Estimate	Action
								Total Cost : \$ 0.00	

Total Cost Estimate: (Preferred Estimate Type + Insurance Adjustments)	\$ 43,745.89
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Comments						
Attachments						
User	Date	Document Type	Description	Hard Copy File Reference	File Name	Action
PATRICK MCFADDEN	11-02-2015	Calculation Sheet	Estimate for Repairs Replacement	LWC Estimate for Repairs Replacement CR 384	LWC Estimate for Repairs Replacement CR 384.pdf(20.04 kb)	View
PATRICK	11-	Additional	DAC Information	DAC Information TX 4223	DAC Information TX 4223	

MCFADDEN	02-2015	Information	TX 4223 DR	DR	DR.pdf(53.20 kb)	View
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Existing Insurance Information

Insurance Type	Policy No.	Bldg/Property Amount	Content Amount	Insurance Amount	Deductible Amount	Years Required
General	TAC# 2460	\$ 206,705,000.00	\$ 43,762,000.00	\$ 254,385,000.00	\$ 10,000.00	0
Flood	TAC#2460	\$ 206,705,000.00	\$ 43,762,000.00	\$ 254,385,000.00	\$ 25,000.00	0

Comments

Attachments

Comments and Attachments

Name of Section	Comment	Attachment
Damage Facilities		Aerial Photo CR 384.jpg Sketch of CR 384 Damages.pdf Plan Elevation and Section of LWC CR 384 P1.pdf Photos for CR 384 Damages.pdf CR 384 Down Stream View of LWC looking North.jpg CR 384 Down Stream View of Culvert West 03 and LWC.jpg CR 384 Down Stream View of Culvert West 02.jpg CR 384 Up Stream View of Culvert 02.jpg CR 384 Roadway Surface Damages 02.jpg CR 384 Detail at Beginning of LWC 02.jpg
Special Considerations		FM48491C0150E.pdf
Cost Estimate		LWC Estimate for Repairs Replacement CR 384.pdf DAC Information TX 4223 DR.pdf

Bundle Reference # (Amendment #)	Date Awarded

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	4223	- DR -TX	WIL003C	491-99491-00	11-23-2015	C
APPLICANT: WILLIAMSON (COUNTY)					WORK COMPLETE AS OF: 10-12-2015 : 0 %	
Site 1 of 1						
DAMAGED FACILITY:					COUNTY: Williamson	
Low Water Crossing (LWC) Facility on CR-384 over Donahoe Creek						
LOCATION:					LATITUDE:	LONGITUDE:
Current Version: Low Water Crossing (LWC) Facility on CR-384 over Donahoe Creek (1,425) feet south of the intersection of CR-384 and CR 487.					30.80818	-97.50308
DAMAGE DESCRIPTION AND DIMENSIONS:						

Current Version:

Due to the heavy continuous rains and subsequent flooding as a result of the Incident Storm, the Incident Period of May 4 to June 22, 2015, the Applicant, Williamson County, sustained damages to facilities throughout its jurisdiction, including this single lane, (16) foot wide by (60) foot long concrete structure Low Water Crossing (LWC) Facility on CR-384 over Donahoe Creek in Barlet, Texas, (GPS: 30.80818, -97.50308).

The LWC was in fair condition; however, as constructed it spans over a creek with a single (36) inch maximum high by (12) foot wide at the base cast-in-place semi-octagonal "arch" culvert, and side walls of (12) inch by (4.5) foot high by (60) foot long concrete bearing on bedrock. The road surface consists of a (6) inch thick concrete slab resting on compacted rock base and the top level equal with the top of the concrete sidewalls. The concrete surface had an additional bituminous topping wear surface of approximately (2) inches thick, which was in poor condition. The water level during normal flows is approximately (12) to (48) inches below the road way surface.

The Incident Storm flooding caused a large and continuous flow of water to run into the side of and over this LWC, and washing over the roadway surface damaging not only the bituminous and the concrete road surfaces of the LWC, but also rendering the entire structure damaged beyond repair through the evidence of through-material cracks and rock separations. The damages are as follows: (all dimensions are approximate):

- 1). Bituminous paving surface of (14) foot wide by (16) feet long or (224) square feet or (24.88) square yards per inch by (2) inches thick, or (49.77) square yards was damaged;
- 2). Concrete paving surface of (14) foot wide by (16) feet long or (224) square feet by (6) inches thick, or (4.15) cubic yards was destroyed;
- 3). Paving surface base of (14) foot wide by (16) feet long or (224) square feet by (12) inches thick, or (8.3) cubic yards was displaced;
- 4). Removing a portion of the down-stream side of the (12) inch thick concrete sidewall of approximately (14) feet long by (12) inches deep or (14) square feet was destroyed; and
- 5). An approximate area of (16) foot wide by (16) foot long or (256) square feet by (12) inches deep or (9.5) cubic yard portion of the LWC was undermined.

However, the entire LWC structural concrete support system, consisting of:

- a). (2) walls on each side (4.5) feet high by (60) feet long by (1) foot thick walls or (10) cubic yards each or (20) cubic yards of concrete; and a
- b). (36) inch high by (72) inch wide by (16) foot long of semi-octagonal "arch" culvert constructed of (12) inch thick concrete or (9) cubic yards for a total of (29) cubic yards of concrete LWC structure, sustained lateral force-damages resulting in structural cracks throughout the structural, rendering the structure completely destroyed. Thus, items Number 1 thru 5 will be eliminated and replaced with new materials and quantities for a new (16) foot by (60) foot LWC structure and will need to be removed and replaced.

*****End of Damage Description and Dimensions*****

SCOPE OF WORK:

Current Version:

Work Completed to Restore the Facility to Pre-Storm Condition: None.

Work to be Completed to Restore the Facility to Pre-Storm Condition:

Prepare the site for repairs: cleaning the site area of damaged materials including concrete,

- 1). Remove (16) foot by (60) foot or (106.66) square yards per inch by (2) inch thick or (213.33) square yards of (2) inch thick bituminous surface: replacement not required;
- 2). Remove and Replace (16) foot by (60) foot by (6) inch thick or (17.77) cubic yards of concrete paving surface of that was destroyed;
- 3). Remove and Replace (16) foot by (60) foot by (12) inch thick or (26.66) cubic yards of compacted paving surface base that was damaged;
- 4). (No work Required, incorporated in Item Number 6 below);
- 5). (No work Required, incorporated in Item Number 6 below);
- 6). Remove and Replace the entire LWC structural concrete support system, consisting of:
 - a). side walls of (4.5) feet high by (60) feet long by (1) foot thick walls or (10) cubic yards each or (20) cubic yards of concrete side walls that were destroyed; and a
 - b). (36) inch high by (72) inch wide by (16) foot long by (12) inch thick concrete or (9) cubic yards of semi-octagonal "arch" culvert that was destroyed.

Note: The Applicant intends to replace the (36) inch by (12) foot cast-in-place concrete culvert with a (3) foot by (12) foot box culvert, and the Applicant's solution could be evaluated as an Improved or Alternate Project.

-- PROJECT NOTE: Based on the FEMA site inspection, FEMA has determined that the damage appears to be eligible for reimbursement of the repairs.

-- PROCUREMENT: The Applicant was advised by FEMA PAC and/or Project Specialist that in the seeking of proposals and letting of contracts for eligible work, the Applicant must comply with its Local, State and/or Federal procurement laws, regulations, and procedures as required by 2 CFR 317-326.

-- RECORD RETENTION: As described in 2 CFR 200.33 Subgrantee must maintain all work-related records for a period of three (3) years from Subgrantee 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.

-- PERMITS: Federal Funding is contingent upon acquiring all necessary Federal, State and Local permits. Noncompliance with this requirement may jeopardize the receipt of federal funds. The applicant is responsible for obtaining all required permits prior to the commencement of work.

-- ENVIRONMENTAL AND HISTORIC PRESERVATION: Applicant must comply with all applicable environmental and historic preservation laws.

SIGNATURE

WILLIAMSON (COUNTY) : PA-06-TX-4223-PW-00680					
Conditions Information					
Review Name	Condition Type	Condition Name	Description	Monitored	Status
EHP Review	Other (EHP)	Clean Water Act (CWA)	The applicant is responsible for coordinating with and obtaining any required Section 404 Permit(s) from the United States Army Corps of Engineers (USACE) and/or any Section 401/402 Permit(s) from the State prior to initiating work. The applicant must comply with all conditions of the required permit(s). All coordination pertaining to these activities should be documented and copies forwarded to the State and FEMA as part of the permanent project files.	No	Recommended
EHP Review	Other (EHP)	Executive Order 11988 - Floodplains	Construction materials, debris, equipment, and personnel will encroach upon the floodway. The applicant must coordinate with the local floodplain administrator and obtain required permits prior to initiating work. All coordination pertaining to these activities and applicant compliance with any conditions should be documented and copies forwarded to the state and FEMA for inclusion in the permanent project files.	No	Recommended
EHP Review	Other (EHP)	Executive Order 11988 - Floodplains	As per 44 CFR 9.11 (d) (9), mitigation or minimization standards must be applied where possible. The applicant shall ensure that best management practices are implemented to minimize effects to and from the floodway. This includes equipment storage and staging outside the floodway, daily debris removal, appropriate flood warning and preparedness plans, and adequate access and egress from the project site. As per 44 CFR 9.6, this project is to be reviewed for the implementation and post-implementation phases of the proposed action to ensure that the requirements stated in Part 9.11 are fully implemented.	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 #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 #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	No	Recommended

			that area and notify the State and FEMA.		
Insurance Review	Conditions (Grant Specific)	S.A. Section 312 Duplication of benefits	No duplication of benefits from insurance is anticipated for this Sub-Grant Application (PW). In the event any part or all of the PW eligible costs are paid by insurance proceeds then a duplication of benefits from insurance will occur. The Applicant must notify grantee and FEMA of such recoveries and the Sub-Grant amount must be reduced by actual insurance proceeds. Brian W. Bartley, CFM – 11/24/2015	Yes	Recommended

Internal Comments

No.	Queue	User	Date/Time	Reviewer Comments
4	EHP Review	LEGER LATOYA	12-02-2015 08:14 PM GMT	<p>The applicant is Williamson (County), Texas, Category C., Low Water Crossing (LWC) Facility on CR-384 over Donahoe Creek, 0% Complete. (GPS: 30.80818, -97.50308). Work to be Completed to Restore the Facility to Pre-Storm Condition: Prepare the site for repairs: cleaning the site area of damaged materials including concrete, 1). Remove (16) foot by (60) foot or (106.66) square yards per inch by (2) inch thick or (213.33) square yards of (2) inch thick bituminous surface: replacement not required; 2). Remove and Replace (16) foot by (60) foot by (6) inch thick or (17.77) cubic yards of concrete paving surface of that was destroyed; 3). Remove and Replace (16) foot by (60) foot by (12) inch thick or (26.66) cubic compacted paving surface base that was damaged; 4). (No work required, incorporated in Item Number 6 below); 5). (No work required, incorporated in Item Number 6 below); 6). Remove and Replace the entire LWC structural concrete support system, consisting of: a). side walls of (4.5) feet high by (60) feet long by (1) foot thick walls or (10) cubic yards each of (20) cubic yards of concrete side walls that were destroyed; and a b). (36) inch high by (72) inch wide by (16) foot long by (12) inch thick concrete or (9) cubic yards of semi-octagonal "arch" culvert that was destroyed. Note: The Applicant intends to replace the (36) inch by (12) foot cast-in-place concrete culvert with a (3) foot by (12) foot box culvert, and the Applicant's solution could be evaluated as an Improved or Alternate Project. No mitigation is proposed with this project.</p> <p>This project has been determined to be Categorically Excluded from the need to prepare either an Environmental Impact Statement or Environmental Assessment in accordance with 44 CFR Part 10.8(d)(2)(XV). Particular attention should be given to the project conditions before and during project implementation. Failure to comply with these conditions may jeopardize federal assistance including funding. - wkosteli - 11/25/2015 14:28:36 GMT</p> <p>A review of the National Wetland Inventory (NWI) online mapper, accessed on November 25, 2015, for the site indicates that the area is adjacent to a designated wetland. However, the project is repair of facility to pre-disaster form, function, and footprint, which is not likely to affect wetlands. - wkosteli - 11/25/2015 14:55:42 GMT</p> <p>The scope of work for this project does not require U.S. Fish and Wildlife Service (USFWS) consultation per FEMA/USFWS disaster consultation letter dated August 7, 2015. - wkosteli - 11/25/2015 14:30:42 GMT</p> <p>The project is located within an "AE" zone, area of 100-yr</p>

				<p>flooding, per Flood Insurance Rate Map (FIRM) panel number 48491C0150E, dated September 26, 2008. Initial Disaster Public Notice was published on July 20, 2015. The proposed action is not likely to result in any potential direct impacts that will adversely affect the natural values and function of floodplains nor is it likely to increase the risk of flood loss. - wkosteli - 11/25/2015 14:52:39 GMT</p> <p>The scope of work has been reviewed and meets the criteria in Appendix B - Programmatic Allowances II.C.1.a and II.C.1.c of FEMA's Programmatic Agreement (PA) dated September 11, 2014. In accordance with this PA, FEMA is not required to determine the National Register eligibility of properties where work performed meets the Appendix B criteria. - downens13 - 11/30/2015 19:59:18 GMT</p>
3	Mitigation Review	BRANDON BERNARD	11-24-2015 09:16 PM GMT	<p>The applicant is proposing to replace a 3-ft x 12-ft cast-in-place concrete culvert with a 3-ft x 12-ft box culvert, remove 106.66 SY/in x 2-inch thick or 213.33 SY of 2-inch thick bituminous surface, remove and replace 17.77 CY of concrete paving surface that was destroyed, remove and replace 26.66 CY of compacted paving surface base that was damaged, and remove and replace the entire low water crossing (LWC) structural concrete support system. Due to the type of damages to the road surface material, no mitigation measures were identified, proposed or implemented by the applicant during repairs. All sites will be restored to pre-disaster condition. No mitigation will be funded under the RP-9526.1 for this PW. Bernard E Brandon, HM 406</p>
2	Insurance Review	BARTLEY BRIAN	11-24-2015 02:40 PM GMT	<p>Brian W Bartley, CFM – 11/24/2015, PA-06-TX-4223-PW-00680(0): The damaged facilities for this Sub Grant Application (PW) are all Roads, The Sub-Applicant: Williamson County has property insurance coverage through the Texas Association of Counties (TAC) which does not extend coverage to any roads in the covered property and locations schedules. The peril that caused the damage to these facilities is FLOOD; the damaged facilities as described do not meet the definition of insurable property for the National Flood Insurance Program (NFIP) nor are they typically insured by available commercial property insurance. Therefore there will be no requirement to Obtain and Maintain – NFIP Flood Insurance or other Flood Insurance under - 44 CFR 206.252(d) and S.A. Sec. 311. There are no anticipated insurance proceeds for the damaged facilities for this PW, therefore no offset has been applied under S.A. Sec. 312., Duplication of Benefits (42 U.S.C. 5155) (a).</p> <p>No duplication of benefits from insurance is anticipated for this Sub-Grant Application (PW). In the event any part or all of the PW eligible costs are paid by insurance proceeds then a duplication of benefits from insurance will occur. The Applicant must notify grantee and FEMA of such recoveries and the Sub-Grant amount must be reduced by actual insurance proceeds. Brian W. Bartley, CFM – 11/24/2015</p>
1	Initial Review	BUCKLEY DAVID	11-23-2015 11:20 PM GMT	11/23/2015 - Recommend Eligible - D. Buckley

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