

Bali Hai Jim

TEXAS DEPARTMENT OF PUBLIC SAFETY

5805 N LAMAR BLVD • BOX 4087 • AUSTIN, TEXAS 78773-0001

512/424-2000

www.dps.texas.gov



STEVEN C. McCRAW
DIRECTOR
DAVID G. BAKER
ROBERT J. BODISCH, SR.
DEPUTY DIRECTORS

COMMISSION
STEVEN P. MACH, CHAIRMAN
MANNY FLORES
A. CYNTHIA LEON
JASON K. PULLIAM
RANDY WATSON

October 16, 2017

Alma Rodriguez
District Administrator
Bastrop County WCID #2
P.O. Box 708
Bastrop, TX 78602

DUNS Number: 807763321
FIPS Number: 021-U020D-00

RE: Public Assistance Grant, 4272, Severe Storms and Flooding
Catalog of Federal Domestic Assistance (CFDA) Number: 97.036
Federal Award Identification Number (FAIN): 4272DRTP0000001
FEMA Project Number: PA-06-TX-4272-PW-00201
Project Title: BCW005C - Road & Culvert Washout
Period of Performance: 6/11/2016 to 12/11/2017

A Public Assistance subgrant has been awarded by Texas Division of Emergency Management (TDEM):

PA-06-TX-4272-PW-00201						
Version / Amendment	Date	Total Subgrant Amount	Federal Cost Share Percentage	Federal Cost Share Amount	Local Cost Share Percentage	Local Cost Share Amount
0	10/10/2017	\$92,858.58	75%	\$69,643.94	25%	\$23,214.64

This award is not for Research or Development as defined in 2 CFR 200.87.

No indirect costs are available with this award. Direct Administrative Costs are allowable as outlined in the project scope.

A copy of the approved scope of work is attached. Terms and conditions of this award are also attached.

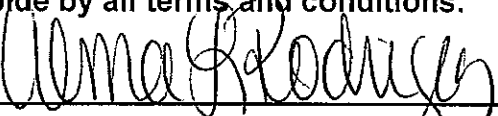
Signing and returning this award letter indicates Subrecipient's acceptance of the scope of the subaward, the ability to pay the state match and all grant terms and conditions outlined in the attached documents.

Acceptance of the subaward must be returned to TDEM before payment on the subaward can be processed.

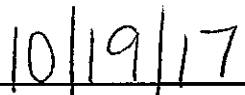
It is important that the Subrecipient read, understand and comply with the scope of work and all terms and conditions. It is also vital that this information be disseminated to Subrecipient's staff and contractors that are involved in work related to administrative support or administration of the subgrant.

If changes are needed to the scope of the subaward, period of performance or costs associated to the subaward, the Subrecipient should immediately contact TDEM. No change will be considered made to the subaward until the Subrecipient is notified in writing by TDEM.

Please sign below to acknowledge acceptance of this subaward and agreement to abide by all terms and conditions.



Designated Subrecipient Agent



Date

Should you wish to appeal any determination related to this subaward you must do so within 60 days of receipt of the notice of the action. You will need to provide your appeal with any documentation supporting your position to your assigned TDEM project officer within the allotted time.

Please contact Shannon Smalls, Compliance Monitoring Affiliate for the Grant Thornton Team, (512) 965-0068 or Shannon.Smalls@us.gt.com with any questions you may have.

ATTACHMENTS: Scope of Work (FEMA Project Worksheet)
Grant Terms and Conditions

PA-06-TX-4272-PW-00201(0) <u>P</u>	
Applicant Name: BASTROP COUNTY WATER CONTROL & IMPROVEMENT DIST 2	Application Title: BCW005C Road & Culvert Washout
Period of Performance Start: 06-11-2016	Period of Performance End: 12-11-2017

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 4272 - DR -TX	BCW005C	021-U020D-00	11-07-2016			C
APPLICANT: BASTROP COUNTY WATER CONTROL & IMPROVEMENT DIST 2			WORK COMPLETE AS OF: 11-07-2016 : 0 %			
Site 1 of 13						
DAMAGED FACILITY:			COUNTY: Bastrop			
Kokomo Lane						
LOCATION:			LATITUDE:	LONGITUDE:		
Current Version: Location #1 Kokomo Lane Bastrop, TX 78802			30.08805 30.09057	-97.32371 -97.32727		
GPS: 30.08805, -97.32371 to 30.09057, -97.32727						
DAMAGE DESCRIPTION AND DIMENSIONS:						
<p>Current Version: During the incident period of May 22, 2016 through June 24, 2016, Bastrop County experienced torrential rains, causing high velocity overland and creek flooding, damaging roads and culverts maintained by the Bastrop County Water & Control Improvement District 2 in the Tahitian Village development. Damage to this road was caused by the site's proximity to Haupt Bend of the Colorado River (see project notes #3) and flood waters flowing from surrounding terrain overtopping and eroding the roadway surface as follows:</p> <p>Aggregate Surface Washed Out – 1,452 FT Length x 15 FT Width x .33 FT Depth = 7,252.74/27 = 268.62 CY</p>						
SCOPE OF WORK:						
<p>Current Version: Work To Be Completed: The Project Specialist has prepared this project worksheet (PW) on the basis of an estimate for the work to be completed. All cost estimates are based on FEMA 2015 Cost Codes as in place costs. The applicant plans to utilize a Contract to make the following repairs.</p> <p>Replace Washed Out Aggregate Road Surface. FEMA Cost Code – 3011 Aggregate Surface Course (Crushed) 1,452 FT Length x 15 FT Width x .33 FT Depth = 7,252.74/27 = 268.62 CY x \$27.20 = \$7,306.46 FEMA Cost Code – 8999 Barricade and Traffic Control \$250.00 x 1 day = \$250.00</p>						

Total: \$7,556.46			
Site 2 of 13			
DAMAGED FACILITY:		COUNTY: Bastrop	
Nuuanu Lane			
LOCATION:	LATITUDE:	LONGITUDE:	
Current Version: Location #2 Nuuanu Lane Bastrop, TX 78602	30.08583 30.08865	-97.30577 -97.3084	
GPS: 30.08865, -97.30840 to 30.08583, -97.30577			
DAMAGE DESCRIPTION AND DIMENSIONS:			
<p>Current Version: During the incident period of May 22, 2016 through June 24, 2016, Bastrop County experienced torrential rains, causing high velocity overland and creek flooding, damaging roads and culverts maintained by the Bastrop County Water & Control Improvement District 2 in the Tahitian Village development. Damage to this road was caused by the site's proximity to Haupt Bend of the Colorado River (see project notes #3) and flood waters flowing from surrounding steep terrain overtopping and eroding the roadway surface as follows:</p> <p>Aggregate Surface Washed Out – 1,322 FT Length x 16 FT Width x .25 FT Depth = 5,288/27 = 195.85 CY</p>			
SCOPE OF WORK:			
<p>Current Version: Work To Be Completed: The Project Specialist has prepared this project worksheet (PW) on the basis of an estimate for the work to be completed. All cost estimates are based on FEMA 2015 Cost Codes as in place costs. The applicant plans to utilize a Contract to make the following repairs.</p> <p>Replace Washed Out Aggregate Road Surface. FEMA Cost Code – 3011 Aggregate Surface Course (Crushed) 1,322 FT Length x 16 FT Width x .25 FT Depth = 5,288/27 = 195.85 CY x \$27.20 = \$5,327.17 FEMA Cost Code – 9999 Barricade and Traffic Control \$250.00 x 1 day = \$250.00</p> <p>Total: \$5,577.17</p>			
Site 3 of 13			
DAMAGED FACILITY:		COUNTY: Bastrop	
Ball Hal Lane			
LOCATION:	LATITUDE:	LONGITUDE:	
Current Version: Location #3 Ball Hal Lane Bastrop, TX 78602	30.07895 30.7791	-97.30756 -97.30523	
GPS: 30.07895, -97.30756 to 30.7791, -97.30523			
DAMAGE DESCRIPTION AND DIMENSIONS:			
<p>Current Version: During the incident period of May 22, 2016 through June 24, 2016, Bastrop County experienced torrential rains, causing high velocity overland and creek flooding, damaging roads and culverts maintained by the Bastrop County Water & Control Improvement District 2 in the Tahitian Village development. Damage to this road was caused by the site's proximity to Haupt Bend of the Colorado River (see project notes #3) and flood waters flowing from surrounding steep terrain overtopping and eroding the roadway surface as follows:</p> <p>Aggregate Surface Washed Out – 827 FT Length x 14 FT Width x .33 FT Depth = 3,855.47/27 = 142.80 CY</p>			
SCOPE OF WORK:			
Current Version:			

<p>Work To Be Completed: The Project Specialist has prepared this project worksheet (PW) on the basis of an estimate for the work to be completed. All cost estimates are based on FEMA 2015 Cost Codes as in place costs. The applicant plans to utilize a Contract to make the following repairs.</p>			
<p>Replace Washed Out Aggregate Road Surface. FEMA Cost Code – 3011 Aggregate Surface Course (Crushed) 827 FT Length x 14 FT Width x .33 FT Depth = 3,855.47/27 = 142.80 CY x \$27.20 = \$3,884.03 FEMA Cost Code – 9999 Barricade and Traffic Control \$250.00 x 1 day = \$250.00</p>			
<p>Total: \$4,134.03</p>			
<p>Site 4 of 13</p>			
<p>DAMAGED FACILITY: Helemano Drive</p>		<p>COUNTY: Bastrop</p>	
<p>LOCATION: Current Version: Location #4 Helemano Drive Bastrop, TX 78602</p>		<p>LATITUDE: 30.07957 30.08453</p>	<p>LONGITUDE: -97.30209 -97.29976</p>
<p>GPS: 30.08453, -97.29976 to 30.07957, -97.30209</p>			
<p>DAMAGE DESCRIPTION AND DIMENSIONS: Current Version: During the incident period of May 22, 2016 through June 24, 2016, Bastrop County experienced torrential rains, causing high velocity overland and creek flooding, damaging roads and culverts maintained by the Bastrop County Water & Control Improvement District 2 in the Tahitian Village development. Damage to this road was caused by flood waters flowing from surrounding steep terrain overtopping and eroding the roadway surface as follows:</p>			
<p>Aggregate Surface Washed Out – 2,112 FT Length x 15 FT Width x .33 FT Depth = 10,549.44/27 = 390.72 CY</p>			
<p>SCOPE OF WORK: Current Version: Work To Be Completed: The Project Specialist has prepared this project worksheet (PW) on the basis of an estimate for the work to be completed. All cost estimates are based on FEMA 2015 Cost Codes as in place costs. The applicant plans to utilize a Contract to make the following repairs.</p>			
<p>Replace Washed Out Aggregate Road Surface. FEMA Cost Code – 3011 Aggregate Surface Course (Crushed) 2,112 FT Length x 15 FT Width x .33 FT Depth = 10,549.44/27 = 390.72 CY x \$27.20 = \$10,827.58 FEMA Cost Code – 9999 Barricade and Traffic Control \$250.00 x 1 day = \$250.00</p>			
<p>Total: \$10,877.58</p>			
<p>Site 5 of 13</p>			
<p>DAMAGED FACILITY: Kamalki Drive</p>		<p>COUNTY: Bastrop</p>	
<p>LOCATION: Current Version: Location #5 Kamalki Drive Bastrop, TX 78602</p>		<p>LATITUDE: 30.08713 30.08975</p>	<p>LONGITUDE: -97.29841 -97.29824</p>
<p>GPS: 30.08713, -97.29841, 30.08975, -97.29824</p>			
<p>DAMAGE DESCRIPTION AND DIMENSIONS: Current Version: During the incident period of May 22, 2016 through June 24, 2016, Bastrop County experienced torrential rains, causing high velocity overland and creek flooding, damaging roads and culverts maintained by the Bastrop County Water & Control Improvement District 2 in the</p>			

Kaawa
(Iva) *Jim*

①

Scope of Work:	PA-06-TX-4272-PW-00188(0): Work To Be Completed: The Project Specialist has prepared this project worksheet (PW) on the basis of an estimate for the work to be completed. All cost estimates are based on FEMA 2015 Cost Codes as in place costs. The applicant plans to utilize a Contract to make the following repairs: Replace Washed Out Aggregate Road Surface FEMA – 3011 Cost Code Aggregate Surface Course (Crushed) 2,319 FT long x 17 FT wide x .33 FT deep = 13,009.59 /27 = 481.84 CY x \$27.20 = \$13,105.96 FEMA Cost Code – 9999 Barricade and Traffic Control \$250.00 x 1 day = \$250.00 Total Location #5 = \$13,355.96
----------------	---

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: <small>(maximum 4000 characters)</small>	
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
Heleakala Drive Start	30.08464 30.07848	-97.3011 -97.30291

Facility Name:	Kaawa Drive
Address 1:	
Address 2:	
County:	Bastrop
City:	Bastrop
State:	TX
ZIP:	78602
Was this site previously damaged?	No
Percentage Work Completed?	0.00 %
Location:	PA-06-TX-4272-PW-00188(0): Location #6 Kaawa Drive Bastrop, TX 78602

		GPS: 30.0785, -97.30327 to 30.07934, -97.30692	
Damage Description and Dimensions:		PA-06-TX-4272-PW-00188(0): During the incident period of May 22, 2016 through June 24, 2016, Bastrop County experienced torrential rains, causing high velocity overland and creek flooding, damaging roads and culverts maintained by the Bastrop County Water Control Improvement District 2 in the Tahitian Village development. Damage was caused by flood waters flowing from surrounding steep terrain overtopping and eroding the roadway surface as follows: Aggregate Surface Washed Out – 1,192 FT long x 15 FT wide x .333 FT deep = 5,954.04/27 = 220.52 CY	
Scope of Work:		PA-06-TX-4272-PW-00188(0): Work To Be Completed: The Project Specialist has prepared this project worksheet (PW) on the basis of an estimate for the work to be completed. All cost estimates are based on FEMA 2015 Cost Codes as in place costs. The applicant plans to utilize a Contract to make the following repairs: Replace Washed Out Aggregate Road Surface FEMA – 3011 Cost Code Aggregate Surface Course (Crushed) 1,192 FT long x 15 FT wide x .333 FT deep = 5,954.04/27 = 220.52 CY x \$27.20 = \$5,998.14 FEMA Cost Code – 9999 Barricade and Traffic Control \$250.00 x 1 day = \$250.00 Total Location #6 = \$6,248.14	
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	
Kaawa Drive Start	30.07934 30.0785	-97.30692 -97.30327	

Wapohuehue

Jim

<i>Items</i>	5	Heleakala Drive	Bastrop	Bastrop	TX	78602	No
	6	Kaawa Drive	Bastrop	Bastrop	TX	78602	No
	7	Waikiki Drive	Bastrop	Bastrop	TX	78602	No
	8	Makaha Drive	Bastrop	Bastrop	TX	78602	No
	9	Awehi Drive	Bastrop	Bastrop	TX	78602	No
	10	Wailupe Circle	Bastrop	Bastrop	TX	78602	No

Comments						
Attachments						
User	Date	Document Type	Description	Hard Copy File Reference	File Name	Action
SHIRLEY ARNOLD	10-26-2016	Photos	BCW003C Photos Loc 1 & 2	Hard Copy On File	BCW003C Photos Loc 1 & 2.xlsx(1.37 Mb)	View
SHIRLEY ARNOLD	10-26-2016	Photos	BCW003C Photos Loc 2 & 3	Hard Copy On File	BCW003C Photos Loc 2 & 3.xlsx(1.38 Mb)	View
SHIRLEY ARNOLD	10-26-2016	Photos	BCW003C Photos Loc 3 & 4	Hard Copy On File	BCW003C Photos Loc 3 & 4.xlsx(1.19 Mb)	View
SHIRLEY ARNOLD	10-26-2016	Photos	BCW003C Photos Loc 4 & 5	Hard Copy On File	BCW003C Photos Loc 4 & 5.xlsx(1.22 Mb)	View
SHIRLEY ARNOLD	10-26-2016	Photos	BCW003C Photos Loc 5 & 6	Hard Copy On File	BCW003C Photos Loc 5 & 6.xlsx(1.48 Mb)	View
SHIRLEY ARNOLD	10-26-2016	Photos	BCW003C Photos Loc 7 & 8	Hard Copy On File	BCW003C Photos Loc 7 & 8.xlsx(1.67 Mb)	View
SHIRLEY ARNOLD	10-26-2016	Photos	BCW003C Photos Loc 8 & 9	Hard Copy On File	BCW003C Photos Loc 8 & 9.xlsx(1.60 Mb)	View
SHIRLEY ARNOLD	10-26-2016	Photos	BCW003C Photos Loc 10	Hard Copy On File	BCW003C Photos Loc 10.xlsx(1.20 Mb)	View
SHIRLEY ARNOLD	10-26-2016	Map	BCW003C Map Loc 1	Hard Copy On File	BCW003C Map Loc 1.pdf (9.90 Mb)	View
SHIRLEY ARNOLD	11-14-2016	Map	BCW003C Map Loc 2	Hard Copy On File	BCW003C Map Loc 2.pdf (380.17 kb)	View
SHIRLEY ARNOLD	11-14-2016	Map	BCW003C Map Loc 3	Hard Copy On File	BCW003C Map Loc 3.pdf (365.98 kb)	View
SHIRLEY ARNOLD	11-14-2016	Map	BCW003C Map Loc 4	Hard Copy On File	BCW003C Map Loc 4.pdf (9.64 Mb)	View
SHIRLEY ARNOLD	11-14-2016	Map	BCW003C Map Loc 5	Hard Copy On File	BCW003C Map Loc 5.pdf (367.05 kb)	View
SHIRLEY ARNOLD	11-14-2016	Map	BCW003C Map Loc 6	Hard Copy On File	BCW003C Map Loc 6.pdf (8.10 Mb)	View
SHIRLEY ARNOLD	11-14-2016	Map	BCW003C Map Loc 7	Hard Copy On File	BCW003C Map Loc 7.pdf (9.24 Mb)	View
SHIRLEY ARNOLD	11-14-2016	Map	BCW003C Map Loc 8	Hard Copy On File	BCW003C Map Loc 8.pdf (392.94 kb)	View
SHIRLEY ARNOLD	11-14-2016	Map	BCW003C Map Loc 9	Hard Copy On File	BCW003C Map Loc 9.pdf (403.44 kb)	View
SHIRLEY ARNOLD	11-14-2016	Map	BCW003C Map Loc 10	Hard Copy On File	BCW003C Map Loc 10.pdf (7.78 Mb)	View

Facility Name:	Waipahoe Drive
Address 1:	
Address 2:	
County:	Bastrop
City:	Bastrop
State:	TX
ZIP:	78602
Was this site previously damaged?	No
Percentage Work Completed?	0.00 %
Location:	<p>PA-06-TX-4272-PW-00188(0): Location #1 Waipahoe Drive Bastrop, TX 78602</p> <p>GPS: 30.09007, -97.31626 to 30.08224, -97.3198</p>
Damage Description and Dimensions:	<p>PA-06-TX-4272-PW-00188(0): During the incident period of May 22, 2016 through June 24, 2016, Bastrop County experienced torrential rains, causing high velocity overland and creek flooding, damaging roads and culverts maintained by the Bastrop County Water & Control Improvement District 2 in the Tahitian Village development. Damage was caused by the site's proximity to Haupt Bend of the Colorado River (see project notes #3) and flood waters flowing from surrounding steep terrain overtopping and eroding the roadway surface as follows:</p> <p>Aggregate Surface Washed Out - 3,075 Ft long x 20 FT wide x .33 FT deep = 20,295 /27 = 751.67 CY</p>
Scope of Work:	<p>PA-06-TX-4272-PW-00188(0): Work To Be Completed:</p> <p>The Project Specialist has prepared this project worksheet (PW) on the basis of an estimate for the work to be completed. All cost estimates are based on FEMA 2015 Cost Codes as in place costs. The applicant plans to utilize a Contract to make the following repairs:</p> <p>Replace Washed Out Aggregate Road Surface. FEMA – 3011 Cost Code Aggregate Surface Course (Crushed) 3,075 FT long x 20 FT wide x .33 FT deep = 20,295 /27 = 751.67 CY x \$27.20 = \$20,445.33</p> <p>FEMA Cost Code – 9999 Barricade and Traffic Control \$250.00 x 1 day = \$250.00</p> <p>Total Location #1 = \$20,695.33</p>

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
Waipahoe Drive Start	30.09007 30.08224	-97.31626 -97.31987

Facility Name:	W. Maunalua Drive
Address 1:	
Address 2:	
County:	Bastrop
City:	Bastrop
State:	TX
ZIP:	78602
Was this site previously damaged?	No
Percentage Work Completed?	0.00 %
Location:	PA-06-TX-4272-PW-00188(0): Location #2 W. Maunalua Drive Bastrop, TX 78602 GPS: 30.089224, -97.313168 to 30.08852, -97.31561 (Corner Point of sharp turn on road) GPS: 30.08852, -97.31561 to 30.09011, -97.3152
Damage Description and Dimensions:	PA-06-TX-4272-PW-00188(0): During the incident period of May 22, 2016 through June 24, 2016, Bastrop County experienced torrential rains, causing high velocity overland and creek flooding, damaging roads and culverts maintained by the Bastrop County Water Control & Improvement District 2 in the Tahitian Village development. Damage was caused by flood waters flowing from surrounding steep terrain overtopping and eroding the roadway surface as follows: Aggregate Surface Washed Out - 594 FT long x 13 FT wide x .333 FT deep = 2,571.42/27 = 95.24 CY Aggregate Surface Washed Out - 802 FT long x 13 FT wide x .33 FT deep = 3,440.58 /27 = 127.43 CY

Scope of Work:	PA-06-TX-4272-PW-00188(0): Work To Be Completed: The Project Specialist has prepared this project worksheet (PW) on the basis of an estimate for the work to be completed. All cost estimates are based on FEMA 2015 Cost Codes as in place costs. The applicant plans to utilize a Contract to make the following repairs: Replace Washed Out Aggregate Road Surface FEMA – 3011 Cost Code Aggregate Surface Course (Crushed) 594 FT long x 13 FT wide x .33 FT deep = 2,571.426 /27 = 95.24 CY x \$27.20 = \$2,590.47 802 FT long x 13 FT wide x .33 FT deep = 3,440.58 /27 = 127.43 CY x \$27.20 = \$3,466.07 FEMA Cost Code – 9999 Barricade and Traffic Control \$250.00 x 1 day = \$250.00 Total Location #2 = \$6,306.54
----------------	--

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: <small>(maximum 4000 characters)</small>	
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
W. Maunalua Drive	30.089224	-97.313168
W.Muanalua Corner	30.09011 30.08852	-97.3152 -97.31561

Facility Name:	W. Kikipua Drive
Address 1:	
Address 2:	
County:	Bastrop
City:	Bastrop
State:	TX
ZIP:	78602
Was this site previously damaged?	No

Fax 512-321-1692
 Email alma@bcwcid2.org

Alternate Point of Contact Information

Prefix Mr.
 First Name Tyler
 Middle Initial
 Last Name Walsh
 Title Operations Manager
 Agency/Organization Bastrop County Water Control & Improvement Dist 2
 Address 1 106 Conference Drive
 Address 2
 City Bastrop
 State TX
 ZIP 78602
 Phone 512-321-1688
 Fax 512-321-3095
 Email tyler@bcwcid2.org

Project Description

Disaster Number: 4272
 Pre-Application Number: PA-06-TX-4272-RPA-0175
 Applicant ID: 021-U020D-00
 Applicant Name: BASTROP COUNTY WATER CONTROL & IMPROVEMENT DIST 2
 Subdivision:
 Project Number: BCW003C
 Standard Project Number/Title: 301 - Gravel Road Washout
 Please Indicate the Project Type: Neither Alternate nor Improved
 Application Title: BCW003C Road Washout
 Category: C.ROADS & BRIDGES
 Percentage Work Completed? 0.0 %
 As of Date: 10-12-2016

Comments
Attachments

Damage Facilities (Part 1 of 2)

Facility Number	Facility Name	Address	County	City	State	ZIP	Site Previously Damaged?	Action
1	Waipahoehoe Drive		Bastrop	Bastrop	TX	78602	No	
2	W. Maunalua Drive		Bastrop	Bastrop	TX	78602	No	
3	W. Kikipua Drive		Bastrop	Bastrop	TX	78602	No	
4	Lamaloa Lane		Bastrop	Bastrop	TX	78602	No	

W. Kikipua
Loumalou
Heberkela } *SM*

Percentage Work Completed?	0.00 %
Location:	PA-06-TX-4272-PW-00188(0): Location #3 W. Kikipua Bastrop, TX 78602 GPS: 30.08219, -97.31471 to 30.08291, -97.31603
Damage Description and Dimensions:	PA-06-TX-4272-PW-00188(0): During the incident period of May 22, 2016 through June 24, 2016, Bastrop County experienced torrential rains, causing high velocity overland and creek flooding, damaging roads and culverts maintained by the Bastrop County Water Control & Improvement District 2 in the Tahitian Village development. Damage was caused by flood waters flowing from surrounding steep terrain overtopping and eroding the roadway surface as follows: Aggregate Surface Washed Out - 493 FT long x 14 FT wide x .25 FT deep = 1,725.50/27= 63.91 CY
Scope of Work:	PA-06-TX-4272-PW-00188(0): Work To Be Completed: The Project Specialist has prepared this project worksheet (PW) on the basis of an estimate for the work to be completed. All cost estimates are based on FEMA 2015 Cost Codes as in place costs. The applicant plans to utilize a Contract to make the following repairs: Replace Washed Out Aggregate Road Surface FEMA – 3011 Cost Code Aggregate Surface Course (Crushed) 493 FT long x 14 FT wide x .25 FT deep = 1,725.50 /27 = 63.91 CY x \$27.20 = \$1,738.28 FEMA Cost Code – 9999 Barricade and Traffic Control \$250.00 x 1 day = \$250.00 Total Location #3 = \$1,988.28
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
W. Kikipua Drive Start	30.08291 30.08219	-97.31603 -97.31471

Facility Name:	Lamaloa Lane
Address 1:	
Address 2:	
County:	Bastrop
City:	Bastrop
State:	TX
ZIP:	78602
Was this site previously damaged?	No
Percentage Work Completed?	0.00 %
Location:	<p>PA-06-TX-4272-PW-00188(0): Location #4 Lamaloa Lane Bastrop, TX 78602</p> <p>GPS: 30.08843, -97.30685 to 30.08772, -97.30362</p>
Damage Description and Dimensions:	<p>PA-06-TX-4272-PW-00188(0): During the incident period of May 22, 2016 through June 24, 2016, Bastrop County experienced torrential rains, causing high velocity overland and creek flooding, damaging roads and culverts maintained by the Bastrop County Water Control & Improvement District 2 in the Tahitian Village development. Damage was caused by flood waters flowing from surrounding steep terrain overtopping and eroding the roadway surface as follows:</p> <p>Aggregate Surface Washed Out - 1,052 FT long x 15 FT wide x .333 FT deep = 5,254.74 /27 = 194.62 CY</p>
Scope of Work:	<p>PA-06-TX-4272-PW-00188(0): Work To Be Completed:</p> <p>The Project Specialist has prepared this project worksheet (PW) on the basis of an estimate for the work to be completed. All cost estimates are based on FEMA 2015 Cost Codes as in place costs. The applicant plans to utilize a Contract to do the following repairs:</p> <p>Replace Washed Out Aggregate Road Surface FEMA – 3011 Cost Code Aggregate Surface Course (Crushed) 1,052 FT long x 15 FT wide x .333 FT deep = 5,254.74 /27 = 194.62 CY x \$27.20 = \$5,293.66</p> <p>FEMA Cost Code – 9999 Barricade and Traffic Control \$250.00 x 1 day = \$250.00</p> <p>Total Location #4 = \$5,543.66</p>

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
Lamaloa Lane Start	30.08843 30.08772	-97.30685 -97.30362

Facility Name:	Heleakala Drive
Address 1:	
Address 2:	
County:	Bastrop
City:	Bastrop
State:	TX
ZIP:	78602
Was this site previously damaged?	No
Percentage Work Completed?	0.00 %
Location:	PA-06-TX-4272-PW-00188(0): Location #5 Heleakala Drive Bastrop, TX 78602 GPS: 30.08464, -97.3011 to 30.07848, -97.30291
Damage Description and Dimensions:	PA-06-TX-4272-PW-00188(0): During the incident period of May 22, 2016 through June 24, 2016, Bastrop County experienced torrential rains, causing high velocity overland and creek flooding, damaging roads and culverts maintained by the Bastrop County Water Control & Improvement District 2 in the Tahitian Village development. Damage was caused by site's proximity to Haupt Bend of the Colorado River (see project notes #3) and flood waters flowing from surrounding steep terrain overtopping and eroding the roadway surface as follows: Aggregate Surface Washed Out - 2,319 FT long x 17 FT wide x .33 FT deep = 13,009.59 /27 481.84 CY

Scope of Work:	PA-06-TX-4272-PW-00188(0): Work To Be Completed: The Project Specialist has prepared this project worksheet (PW) on the basis of an estimate for the work to be completed. All cost estimates are based on FEMA 2015 Cost Codes as in place costs. The applicant plans to utilize a Contract to make the following repairs: Replace Washed Out Aggregate Road Surface FEMA – 3011 Cost Code Aggregate Surface Course (Crushed) 2,319 FT long x 17 FT wide x .33 FT deep = 13,009.59 /27 = 481.84 CY x \$27.20 = \$13,105.96 FEMA Cost Code – 9999 Barricade and Traffic Control \$250.00 x 1 day = \$250.00 Total Location #5 = \$13,355.96
----------------	---

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: <small>(maximum 4000 characters)</small>		
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
Heleakala Drive Start	30.08464 30.07848	-97.3011 -97.30291

Facility Name:	Kaawa Drive
Address 1:	
Address 2:	
County:	Bastrop
City:	Bastrop
State:	TX
ZIP:	78602
Was this site previously damaged?	No
Percentage Work Completed?	0.00 %
Location:	PA-06-TX-4272-PW-00188(0): Location #6 Kaawa Drive Bastrop, TX 78602

Waikiki.
Fin

Facility Name:	Waikiki Drive
Address 1:	
Address 2:	
County:	Bastrop
City:	Bastrop
State:	TX
ZIP:	78602
Was this site previously damaged?	No
Percentage Work Completed?	0.00 %
Location:	PA-06-TX-4272-PW-00188(0): Location #7 Waikiki Drive Bastrop, TX 78602 GPS: 30.07921, -97.30712 to 30.07571, -97.30942
Damage Description and Dimensions:	PA-06-TX-4272-PW-00188(0): During the incident period of May 22, 2016 through June 24, 2016, Bastrop County experienced torrential rains, causing high velocity overland and creek flooding, damaging roads and culverts maintained by the Bastrop County Water Control & Improvement District 2 in the Tahitian Village development. Damage was caused by flood waters flowing from surrounding steep terrain overtopping and eroding the roadway surface as follows: Aggregate Surface Washed Out - 1,469 FT long x 15 FT wide x .333 FT deep = 7,337.66/27 = 271.77 CY
Scope of Work:	PA-06-TX-4272-PW-00188(0): Work To Be Completed: The Project Specialist has prepared this project worksheet (PW) on the basis of an estimate for the work to be completed. All cost estimates are based on FEMA 2015 Cost Codes as in place costs. The applicant plans to utilize a Contract to make the following repairs: Replace Washed Out Aggregate Road Surface FEMA – 3011 Cost Code Aggregate Surface Course (Crushed) 1,469 FT long x 15 FT wide x .333 FT deep = 7,337.66/27 = 271.77 CY x \$27.20 = \$7,392.01 FEMA Cost Code – 9999 Barricade and Traffic Control \$250.00 x 1 day = \$250.00 Total Location #7 = \$7,642.01
Hazard Mitigation Proposal	
* Is effective mitigation feasible on this site?	No
If you answered Yes to the above question, the next question is required	