

CITY OF YUBA CITY
STAFF REPORT

Date: November 19, 2019

To: Honorable Mayor & Members of the City Council

From: Public Works Department

Presented by: Benjamin Moody, Interim Assistant Public Works Director

Summary

Subject: FEMA Feather River Parkway Repair Project Initiation

Recommendation: A. Adopt a Resolution awarding a Professional Services Agreement to Domenichelli and Associates, Inc. of El Dorado Hills, CA in the amount of \$119,176 for design, project management, and environmental mitigation services for the FEMA Feather River Parkway Repair Project, with the finding that it is in the best interest of the City, and authorizing the City Manager to execute any necessary documents, upon approval by the City Attorney as to legal form.

B. Authorize the Finance Director to perform a supplemental appropriation and related transfers of \$7,313 from unallocated general CIP funds and \$2,063 from unallocated water funds to Account No. 1273 (FEMA Feather River Parkway Repair).

Fiscal Impact: \$150,000 – Account No. 1273 (FEMA Feather River Parkway Repair)
 \$140,624 – Federal & State Grants – 93.75%
 \$7,313 – City Match (General Fund) – 4.875%
 \$2,063 – City Match (Water Fund) – 1.375%

Purpose:

To repair the damage to City park infrastructure resulting from the 2017 emergency storm event.

Background:

In 2008, the City received \$1,400,000 from the Natural Resources Agency's California River Parkway Grant Program to fund Phase I of the Feather River Parkway Project. Domenichelli and Associates, Inc. was the sub-consultant to the Conservation District for the design, while EN2 Resources, Inc. was a sub-consultant to Domenichelli and Associates, Inc. for the environmental review and permitting. Phase I of the project was completed in 2013.

On May 21, 2013, Council awarded a Professional Services Agreement to Domenichelli and Associates, Inc. and EN2 Resources, Inc. for engineering design and environmental permitting for the Feather River Parkway Phase II Project. Construction of Phase II began September 16, 2019.

The access road and Phase I park improvements were severely damaged during the 2017 Oroville

Spillway Incident. The access road repairs will include fill, compaction, and regrading of eroded surface aggregate; clearing, grubbing, and scarifying; and the installation of storm-water culverts. Feather River Parkway damage included damage to gravel roadways, walking trails, trees, sand/sediment deposits, and picnic areas, including concrete pads and benches. An exhibit of FEMA-approved reconstruction is included as Attachment 4.

The City applied for public assistance to Federal Emergency Management Agency (FEMA) through California Governor's Office of Emergency Services (CalOES) for the repairs and reconstruction of the facilities damaged in the 2017 Oroville Spillway Incident. FEMA has inspected the damages and has provided a Grant Report containing Project Worksheets outlining federal funding amounts and repair work scope. The Grant Report can be seen in Attachment 2.

Analysis:

Cal-OES has permitted the City to hire a professional services firm through a competitive Request for Proposal (RFP) process to provide design, engineering, and environmental permitting and mitigation services for the FEMA Feather River Parkway Repair Project. On August 22, 2019, staff provided an RFP to local builder/contractor exchanges and on September 17, 2019, one (1) proposal was submitted to the City by Domenichelli and Associates, Inc.

Domenichelli and Associates, Inc.'s proposal includes EN2 Resources, Inc. as a subcontractor to complete environmental permitting. Staff has determined that the combination of these two firms is particularly well suited for design and permitting work of the project and recommends contracting with Domenichelli and Associates, Inc. due to their experience and ability to meet CalOES timeline requirements. Both firms have direct experience and knowledge of the Feather River Parkway Phase I & II projects and together will most effectively meet the necessary design and environmental requirements as set forth in the Grant Agreement. A copy of Domenichelli and Associates' proposal can be seen in Attachment 3.

Fiscal Impact:

Total FEMA/CalOES grant funding for the FEMA Feather River Parkway Repair Project is \$789,567.26, which will fund both the design and construction of the project. FEMA will reimburse 75% of the total project costs and CalOES will reimburse 18.75%, leaving a City responsibility for 6.25% of costs.

At this time, staff is recommending a supplemental appropriation from unallocated CIP general and water funds in order to initiate the project by funding 6.25% of \$150,000, which is the estimated cost of the proposed Professional Services Agreement of \$119,176 and staff time for administration of the project. The local match has been divided as 78% general funding for the Feather River Parkway Phase I repairs and 22% water funding for the access road damage. Staff will request any necessary funding for future steps of the project at a later date.

Alternatives:

Direct staff to conduct another Request for Proposal process. This alternative will result in delays to the project and may impact funding from FEMA and CalOES.

Recommendation:

Adopt a Resolution awarding a Professional Services Agreement to Domenichelli and Associates, Inc. of El Dorado Hills, CA in the amount of \$119,176 for design, project management, and environmental mitigation services for the 2017 Storm Damages Repair Project, with the finding that it is in the best interest of the City, and authorizing the City Manager to execute any necessary documents, upon approval by the City Attorney as to legal form.

Attachments:

1. Resolution
2. CalOES Notification of Obligation of Payment
3. Domenichelli and Associates, Inc. Proposal
4. Location Map

Prepared by:

/s/ Nick Menezes

Nick Menezes
Assistant Engineer

Submitted by:

/s/ Michael Rock

Michael Rock
City Manager

Reviewed by:

Department Head

DL

Finance

RB

City Attorney

SLC by email

ATTACHMENT 1

RESOLUTION NO. _____

**RESOLUTION OF THE CITY COUNCIL OF THE CITY OF YUBA CITY
AUTHORIZING THE CITY MANAGER TO FINALIZE AND EXECUTE A PROFESSIONAL
SERVICES AGREEMENT WITH DOMENICHELLI AND ASSOCIATES, INC. TO PREPARE A
CONSTRUCTION CONTRACT AND ENVIRONMENTAL DOCUMENTS FOR THE FEMA
FEATHER RIVER PARKWAY REPAIR PROJECT**

WHEREAS, the City of Yuba City's Intake Facility Access Road and Feather River Parkway were damaged by the high-water events in the Feather River in February 2017; and,

WHEREAS, the City of Yuba City requested financial aid from the California Governor's Office of Emergency Services and the Federal Emergency Management Agency to repair the damages and for hazard mitigation work; and,

WHEREAS, the application for financial aid has been approved by the California Governor's Office of Emergency Services and the Federal Emergency Management Agency; and,

WHEREAS, it is necessary to select a Consultant providing Professional Services to prepare a construction contract and environmental documents for the FEMA Feather River Parkway Repair Project; and,

WHEREAS, the City Council desires to select Domenichelli and Associates, Inc. as said Consultant and authorize the City Manager to enter into an agreement, subject to approval as to legal form by the City Attorney, for preparation of a construction contract and environmental documents.

NOW, THEREFORE, BE IT RESOLVED, by the City Council of the City of Yuba City as follows:

1. The City Council finds that Domenichelli and Associates, Inc. of El Dorado Hills, CA, is the lowest responsive and responsible bidder and that it is in the best interest of the City to select Domenichelli and Associates, Inc., to prepare a construction contract and environmental documents for the FEMA Feather River Parkway Repair Project, and hereby awards the bid to Domenichelli and Associates, Inc., for the same.

2. The City Council authorizes the City Manager to prepare, enter into, and execute a Professional Services Agreement on behalf of the City, subject to approval as to legal form by the City Attorney, with Domenichelli and Associates, Inc. of El Dorado Hills CA, in the amount of \$119,176 to prepare a construction contract and environmental documents for the FEMA Feather River Parkway Repair Project.

3. This Resolution shall take effect immediately.

The foregoing Resolution was duly and regularly introduced, passed, and adopted by the City Council of the City of Yuba City at a regular meeting thereof held on November 19, 2019 by the following vote:

AYES:

NOES:

ABSENT:

ATTEST:

Patricia Buckland, City Clerk

Shon Harris, Mayor

APPROVED AS TO FORM
COUNSEL FOR YUBA CITY

Shannon Chaffin, City Attorney
Aleshire & Wynder, LLP

ATTACHMENT 2



ADMINISTRATIVE
MAY 06 2019
RECEIVED

May 1, 2019

Steven Kroeger
City Manager
Yuba City, City of
1201 Civic Center Boulevard
Yuba City, California 95993

Subject: Notification of Obligation and Payment
Public Assistance and CDAA Grant Programs
FEMA-4308-DR-CA, Cal OES ID: 101-86972

Dear Mr. Kroeger:

Obligation Notification The California Governor's Office of Emergency Services has attached the Grant Summary and the Project Application Summary for Federal Package #1240, and the Exhibit C for State Supplement #2. Please see the table below for further obligation details.

Obligation Details	Package/Supplement Obligation Amount	Cumulative Amount Obligated
Federal-Public Assistance	\$592,175	\$650,734
State-California Disaster Assistance Act (CDAA)	\$162,848	\$178,952
Total	\$755,023	\$829,686

Payment Process For this disaster, funds will be paid in accordance with the following disbursement table:

Project Status	Federal Funds Disbursement Process	State Funds Disbursement Process
Small Projects less than 100% complete	Automatic advance of federal share and administrative allowance	Automatic advance of state share and administrative allowance. Retention held until 100% complete
Small Projects 100% complete	Automatic payment of federal share and administrative allowance	Automatic payment of state share and administrative allowance
Large Projects less than 100% complete	Advance administrative allowance only. All other funds (less retention) will be paid on a reimbursement basis	Advance administrative allowance only. All other funds (less retention) will be paid on a reimbursement basis
Large Projects 100% complete	Automatic payment of federal share and administrative allowance for entire project	Automatic payment of state share and administrative allowance

Payment Process-Continued

For this particular Package/Supplement, payment will be automatically disbursed as follows:

Payment Details	Amount Automatically Paid
Federal-Public Assistance	\$0
State-CDAA	\$14,804
Total	\$14,804

For those large projects with a work completion of less than 100 percent, a Large Project Reimbursement Request form has also been included with this Package/Supplement.

Federal and State funds will be issued separately by the State Controller's Office. Please be advised that state warrants have a one-year period of negotiability.

Required Documents

In order to receive funds, the following forms must be on file with our office:

Form	Received by Cal OES?
Project Application for Federal Assistance (OES 89)	Yes
Designation of Applicants Agent Resolution (OES 130)	Yes
Payee Data Record (STD. 204) - Private non profit organizations only	N/A

Program Requirements-General

As a requirement of this program, a special fund for the deposit of the state warrant must be established upon receipt of any advance funding. Under no circumstances are expenditures to be made for any damages other than those approved in this application. Any funds received in excess of current needs or approved amounts, or those found owed as a result of an audit or final inspection, must be refunded to the State within 30 days upon receipt of an invoice from the California Governor's Office of Emergency Services.

Federal Program Audit Requirements

As a recipient of federal funds, your organization is subject to the Federal Single Audit Act of 1984 and the Single Audit Act Amendments of 1996. Part of your report requirements under the Act and Amendments include the preparation of a Schedule of Expenditures of Federal awards. The following information is provided to assist in the accurate completion of the Schedule:

Mr. Kroeger
Page Three
May 1, 2019

Federal Program Audit Requirements- Continued	Federal Grantor Agency Pass-Through Agency Program Title Federal CFDA Number Pass-Through Grantor's Number	U.S. Department of Homeland Security - Federal Emergency Management Agency California Governor's Office of Emergency Services Public Assistance Grants 97.036 FEMA-4308-DR-CA, Cal OES ID: 101-86972
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**Appeal
Process** Please compare the enclosed obligated Project Worksheet(s) (PW) with your copy of the original PW(s). In accordance with Title 44 Code of Federal Regulations, Section 206.206(a), if you disagree with FEMA's obligated amount(s) or scope of work for the Version 0 PW(s) addressed in this Package, you must appeal FEMA's determination within 60 days from receipt of this letter. The appeal must contain documented justification supporting your position and be addressed to the Assistant Director of Recovery. Please submit your letter of appeal to the following mailing address:

California Governor's Office of Emergency Services
Recovery Division, Public Assistance
3650 Schriever Avenue
Mather, California 95655

Please note, for all other PW versions, you will receive notification under separate cover from Cal OES's Public Assistance Section.

**Questions and
Inquiries** For appeal assistance, contact Public Assistance at (916) 845-8200. For assistance regarding this letter, contact the Grants Processing Unit's main line at (916) 845-8110.

GRANTS PROCESSING UNIT

Enclosures
c: Disaster Recovery Manager, FEMA
Applicant's Federal File
Applicant's State File

ADMINISTRATIVE ALLOWANCE PAYMENT REPORT

Decl#: 4308 OES ID#: 101-86972 Federal Pkg#: 1240 / CDAA Supp#: 2

Small Project Amt.: 123,100 Applicant Name: Yuba City, City of

OES Project#	PW#	PW Ref#	Total Project Obligations to Date (Fed&CDAA)	Authorized Payment Amounts		Total Amount
				Federal Amount	CDAA Amount	
58409	1168	SUYUG01	740,219			
No Project payments authorized for this pkg#/supp#						
Total Admin Allowance:				0	14,804	14,804

Robin Shepard SSM I

APPLICANT HISTORY REPORT - FEDERAL OBLIGATION

Decl Num: 4308 Cal OES ID#: 101-86972 Applicant Name: Yuba City, City of

Pkg. Num: 1240 Fema Share: 75%

Department: Yuba City, City of Cal OES ID#: 101-86972-00

OES Project#	PW #	PW Ref#	Cat.	100% Elig.	FEMA Share	Ret %	Retention	Admin. Allowance	Available Amt.	% Complete
58409	1168-0	SUYUG01	G	789,567	592,175	10	59,218	0	532,957	0
Department Total:										
				789,567	592,175		59,218	0	532,957	
Package 1240 Total:										
				789,567	592,175		59,218	0	532,957	

Grand Total to Date: 867,646 650,734 59,218 0

Total Obligation: 650,734



Cal OES
GOVERNOR'S OFFICE
OF EMERGENCY SERVICES

Cal OES ID: 101-86972

Supplement Number: 2

Disaster Number: 4308

PROJECT APPLICATION APPROVAL
CALIFORNIA DISASTER ASSISTANCE ACT PROGRAM

1. SUBGRANTEE'S NAME AND ADDRESS

Yuba City, City of
1201 Civic Center Boulevard
Yuba City, CA 95993

2. AUTHORIZED AGENT

Steven Kroeger
City Manager

3. PROJECT SUMMARY

CATEGORY OF WORK

AMOUNT APPROVED BY STATE

A - DEBRIS REMOVAL	\$0
B - EMERGENCY PROTECTIVE MEASURES	\$0
C - ROAD SYSTEMS REPAIRS	\$0
D - DIKES, LEVEES & FLOOD CONTROL WORKS	\$0
E - PUBLIC BUILDINGS	\$0
F - UTILITIES	\$0
G - OTHER	\$148,044
H - FIRE SUPPRESSION	\$0
Z - FEDERAL ADMINISRATIVE COSTS	\$0

ADMINISTRATIVE ALLOWANCE	\$14,804
TOTAL THIS SUPPLEMENT	\$162,848
TOTAL NOW APPROVED FOR APPLICATION	\$178,952

4. Cal OES APPROVAL (Approved in accordance with attached Exhibit "C".)

SIGNATURE

Robin Shepard

DATE APPROVED April 11, 2019

TITLE: MANAGER, GRANTS PROCESSING UNIT

CDAA No.: 101-86972
 Applicant: Yuba City, City of
 FEMA-4308-DR-CA, FIPS# 101-86972

St.Supplement Date 04/09/19

St.Sup.#	Dam.Cat.	CDAA DSR#/PW#	FEMA DSR#/PW#	Total Obligation
2	G	3	1168-0	148,044
<u>Desc:</u>				
Subtotal for Category G				148,044
Subtotal for Supplement No. 2				148,044
Administrative Allowance (10%)				14,804
Total Supplement No. 2				162,848
Sup.2 Eligible Amount				148,044
Sup.2 Administrative Allowance(10%)				14,804
Total Sup.2				162,848
Application Eligible Amount				162,684
Application Administrative Allowance(10%)				16,268
Total Application				178,952

Report Generated on:	04/09/2019 22:00
Disaster Number:	4308
Applicants:	"101-86972-00"
Report Format:	Detail

Date: 04/09/2019 22:00

OK

Federal Emergency Management Agency
 Public Assistance Grant Summary (P.5)
 Disaster: FEMA-4308-DR-CA

Number of Records: 3 *101-86972-00*

Applicant ID: 101-86972-00

Applicant: YUBA CITY

Bundle #	Date Approved	PW #	Cat	Cost Share	Project Amount (\$)	Federal Share (\$)	Subgrantee Admin (\$)	Total Approved (\$)
PA-09-CA-4308-PW-01322(417)	01-18-2018	PA-09-CA-4308-PW-01322(0)	B	N	23,908.49	17,931.37	0.00	17,931.37
Applicant Total in Bundle PA-09-CA-4308-PW-01322(417) (1 PW)					23,908.49	17,931.37	0.00	17,931.37
PA-09-CA-4308-PW-01182(1000)	04-17-2018	PA-09-CA-4308-PW-01182(0)	F	N	54,171.56	40,628.67	0.00	40,628.67
Applicant Total in Bundle PA-09-CA-4308-PW-01182(1000) (1 PW)					54,171.56	40,628.67	0.00	40,628.67
* PA-09-CA-4308-PW-01168(1240)	04-09-2019	PA-09-CA-4308-PW-01168(0)	G	N	789,567.26	592,175.45	0.00	592,175.45
Applicant Total in Bundle PA-09-CA-4308-PW-01168(1240) (1 PW)					789,567.26	592,175.45	0.00	592,175.45
APPLICANT TOTAL: 101-86972-00 (3 PWs)					867,647.31	650,735.49	0.00	650,735.49
TOTAL for report: (3 PWs)					867,647.31	650,735.49	0.00	650,735.49

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APR 09 2019

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GRANTS PROCESSING UNIT

Report Generated on:	04/09/2019 22:00
Data Captured As Of:	04/09/2019 22:00
Disaster Number:	4308
Bundle:	PA-09-CA-4308-PW-01168
Applicant:	101-86972-00

Capture Date: 04/09/2019 22:00

Federal Emergency Management Agency

Project Application Grant Report (P.2)

Disaster: FEMA-4308-DR-CA

Number of Records: 1

Applicant ID: 101-86972-00
 Bundle # : PA-09-CA-4308-
 PW-01168(1240)

Applicant: YUBA CITY

PW #	Cat	Cost Share	Projected Completion Date	Approved PW Amount (\$)
PA-09-CA-4308-PW-01168(0)	G	N	10-01-2018	789,567.26

Facility Number:

1

Facility Name:

Feather River Park

Location:

LOP #1 - FEATHER RIVER PARKWAY
 GPS: Begin (39.14462, -121.60936) - End (39.15463, -121.61468)

a) Gravel Roadways

GPS: 39.14690, -121.60933

Site 1: Begin (39.14690, -121.60933) - End (39.14767, -121.60945)

Site 2: Begin (39.14925, -121.61067) - End (39.15034, -121.61163)

Site 3: Begin (39.15063, -121.61203) - End (39.15205, -121.61265)

Site 4: Begin (39.15225, -121.61275) - End (39.15463, -121.61468)

b) Dirt Bike Trails

GPS: 39.14976, -121.60883

Site 1: Begin (39.15152, -121.60882) - End (39.15059, -121.60776)

Site 2: Begin (39.15152, -121.60882) - End (39.15061, -121.60760)

Site 3: Begin (39.15483, -121.61029) - End (39.15505, -121.60889)

Site 4: Begin (39.15361, -121.60987) - End (39.15390, -121.60842)

Site 5: Begin (39.15390, -121.60842) - End (39.15274, -121.60922)

Site 6: Begin (39.15269, -121.60945) - End (39.15135, -121.60790)

c) Pedestrian Trails (Non-Wetland)

GPS: 39.14881, -121.61025

Site 1: Begin (39.14881, -121.61025) - End (39.15002, -121.60843)

Site 2: Begin (39.15031, -121.61079) - End (39.15165, -121.61039)

Site 3: Begin (39.15099, -121.61138) - End (39.15168, -121.61038)

Site 4: Begin (39.15094, -121.61138) - End (39.15155, -121.61143)

Site 5: Begin (39.15095, -121.61142) - End (39.15242, -121.61248)

Site 6: Begin (39.15245, -121.61233) - End (39.15259, -121.60974)

Site 7: Begin (39.15248, -121.61245) - End (39.15271, -121.60977)

Site 8: Begin (39.15245, -121.61248) - End (39.15373, -121.61004)

Site 9: Begin (39.15365, -121.61302) - End (39.15442, -121.61338)

Site 10: Begin (39.15486, -121.61356) - End (39.15530, -121.61285)

d) Pedestrian Trails (Wetland Areas):

GPS: 39.15004, -121.60811

Site 1: Begin (39.15002, -121.60843) - End (39.15131, -121.60790)

Site 2: Begin (39.15061, -121.60760) - End (39.14902, -121.60652)

Site 3: Begin (39.14902, -121.60652) - End (39.14834, -121.60821)

Site 4: Begin (39.14834, -121.60821) - End (39.14999, -121.60807)

e) Picnic Area

GPS: 39.14852, -121.60685

f) Debris

Capture Date: 04/09/2019 22:00

Federal Emergency Management Agency
Project Application Grant Report (P. 2)
Disaster: FEMA-4308-DR-CA

Number of Records: 1

Park-wide

LOP #5 - WATER INTAKE FACILITY ACCESS ROAD
GPS: Begin (39.14881, -121.61025) - End (39.15631, -121.60938)

a) Gravel Roadways, Section 2
GPS: Begin (39.15568, -121.61037) - End (39.15152, -121.60882)

b) Storm Water Conveyance Culverts
GPS: 39.15312, -121.60969

Scope of Work:

This PW addresses LOP Line Items #1 and #5 for DR-4308.

WORK TO BE COMPLETED (100%)

The Applicant will procure contract work to restore the damaged facilities to pre-disaster conditions. Work for Feather River Parkway (LOP #1) will be to replace the eroded gravel roadways, repair and re-grade the eroded bike trails, excavate and reinstall the concrete slabs, picnic tables and benches back to their original locations, remove and dispose of accumulated debris and conduct miscellaneous work as necessary upon debris removal. Work for restoration of the Water Intake Facility Access Road (LOP #5) will be to replace and re-grade the washed out gravel roadways and replace the damaged culverts.

Debris will be disposed of "appropriately and legally" as stated in competitive bid documents with a probable final disposition at 5900 Ostrom Road Wheatland, CA 95692 (GPS 39.07290, -121.39911). Silt/Sand debris will be stockpiled and /or redistributed onsite; excess sand/silt debris will have a probable final disposition at 5900 Ostrom Road Wheatland, CA 95692 (GPS 39.07290, -121.39911).

The Applicant has provided cost estimates for work to be completed. Costs were sourced from local suppliers, including 'Butte Sand and Gravel', and include contingencies due to supply/demand related to the Oroville Dam disaster. The engineering estimate also includes the Applicant's proposed hazard mitigation. A CEF has been formulated by the Project Specialist, using the Applicant's anticipated work items in conjunction with Caltrans 2016/RS Means 2018 unit prices as indicated.

The final eligible amount for this project is to be obligated based upon the actual documented cost of the completed work.

The estimated event-related eligible repaired damages consist of:

- LOP #1 FEATHER RIVER PARKWAY- \$492,533.80

- a) Gravel Roadways.

Fill, compact and regrade eroded surface aggregate.
435 CY (0.54 acres; 1,305 SY; 2,350 LF) at \$75,648.75
RS Means/Caltrans estimated costs:

- Clearing and Grubbing at \$43,054.20
- Scarify and Compact Subgrade at \$6,224.85
- Class II Aggregate Base at \$18,848.55
- Mobilization/Demobilization at \$7,521.15

- b) Dirt Bike Trails.

Fill, compact and regrade eroded dirt surface.
1,080 CY (6,072 LF) at \$100,891.98
RS Means/Caltrans estimated costs:

- Clearing and Grubbing at \$50,901.73
- Rough Grading at \$3,824.81
- Imported Fill/Borrow at \$28,738.80
- Compaction at \$17,426.64

- c) Pedestrian Trails (Non-Wetland Areas).

Fill, compact and regrade eroded surface aggregate.

Capture Date: 04/09/2019 22:00

Federal Emergency Management Agency
Project Application Grant Report (P.2)
Disaster: FEMA-4308-DR-CA

Number of Records: 1

1,169 CY (3,508 SY; 6,315 LF) at \$138,499.67.

RS Means/Caltrans estimated costs:

- Clearing and Grubbing at \$50,901.73
- Scarify and Compact Subgrade at \$16,733.16
- Class II Aggregate Base at \$50,652.77
- Mobilization/Demobilization at \$20,212.01

d) Pedestrian Trails (Wetland Areas).

Fill, compact and regrade eroded surface aggregate.

429 CY (0.5 acres; 2,257 LF) at \$71,852.56

RS Means/Caltrans estimated costs:

- Clearing and Grubbing at \$39,865.00
- Scarify and Compact Subgrade at \$5,981.58
- Class II Aggregate Base at \$18,588.57
- Mobilization/Demobilization at \$7,417.41

e) Picnic Area.

Reinstall the six (6) park picnic tables by forming and pouring concrete slabs, relocating and reinstalling tables/benches,

plus Miscellaneous Work, including trash can replacement, disposal at \$26,166.90

o Component 1: Picnic Tables w/Benches. 7 CY

Excavate, relocate and reinstall (6) park picnic tables w/ benches.

RS Means/Caltrans estimated costs:

- Remove Precast Concrete Table/Benches at \$1,428.56
- Relocate/Install Precast Concrete Table/Benches at \$10,210.26

o Component 2: Picnic Table Foundations. 19 CY

Excavate, pour, and reinstall (6) minor concrete slabs.

RS Means/Caltrans estimated costs:

- Minor Concrete Slabs at \$5,973.60
- Fine grading at \$534.24

o Component 3: Picnic Grill Area. 18 CY

Excavate, pour, and reinstall concrete slab.

RS Means/Caltrans estimated costs:

- Minor Site Demolition (Grill Concrete Slab) at \$3,998.16
- Structural Concrete Material at \$2,767.50
- Structural Concrete Placing at \$430.74
- Fine grading (included in cost above)

o Component 4: Miscellaneous, including 30 gal Trash Can

Excavate and reinstall trash can.

RS Means/Caltrans estimated costs:

- Trash Can (LOP #1 Picnic Area) at \$823.84

f) Debris.

Removal and disposal of downed trees and sand/silt debris at \$79,473.94

o Component 1: Downed trees and vegetation. Unmeasured.

Removal and disposal.

Caltrans estimated costs:

- Clearing and Grubbing at \$50,901.73

o Component 2: Sand/silt debris. 2,889 CY

Removal and stockpiling.

RS Means estimated costs:

- Stripping and Stockpiling at \$28,572.21

• LOP #5 WATER INTAKE FACILITY ACCESS ROAD - \$167,581.00

Capture Date: 04/09/2019 22:00

Federal Emergency Management Agency
 Project Application Grant Report (P.2)
 Disaster: FEMA-4308-DR-CA

Number of Records: 1

- a) Gravel roadway, Section 2.
 Fill, compact and regrade eroded surface aggregate.
 1,150 CY (68,200 SF) at \$137,042.61
 RS Means/Caltrans estimated costs:
 - Clearing and Grubbing at \$50,901.73
 - Scarify and Compact Subgrade at \$16,427.88
 - Class II Aggregate Base at \$49,829.50
 - Mobilization/Demobilization at \$19,883.50
- b) Storm Water Conveyance Culverts.
 Excavate and replace damaged culverts and surrounding infrastructure.
 (2) 30-inch culverts at \$30,528.39
- o Component 1: CMP Inserts.
 Excavate and replace culvert inserts.
 RS Means/Caltrans estimated costs:
 - (2) 30-inch CMP at \$4,674.32
 - Pipe Bedding at \$1,647.61
 - Pipe Bedding Compaction at \$226.44
 - 30-inch flared end sections (costs from RS Means 2018, derived from average cost of 24in flared end and 36in flared end, in absence of 30in flared end cost) at \$5,012.62
 - Excavation/Offhaul at \$380.73
 - Hauling Excess Soils (incl. in mobilization cost)
 - Minor Grading/Revegetation for Erosion Control at \$468.42
 - Scarify and Compact Subgrade at \$529.47
 - Remove existing 30-inch Culverts at \$4,144.00
 - H&H Study for Culvert Replacement at \$3,000.00
- o Component 2: K-Rails.
 Replace cracked and displaced K-rails.
 RS Means/Caltrans estimated costs:
 - (4) K-Rails at \$445.96
- o Component 3: Bulkhead.
 Re-install rip rap bulkhead and spillway.
 RS Means/Caltrans estimated costs:
 - Concrete Bulkhead Reset at \$557.20
 - Filter Fabric at \$1,724.00
 - Rip rap at \$4,415.25
 - Class II Aggregate at \$1,343.23
 - Engineered Fill at \$1,969.14

Sub-Total : \$660,114.78

Additional Contract Costs: \$119,433.66

- Mobilization/Demobilization (LOP #1 Picnic Area Equip, LOP #1 Debris Equip, LOP #5 Hauling Excess Soils,

LOP #5 Culverts- CMP Inserts, K-Rails, and Bulkhead) at Lump Sum of \$20,000.00

- Water Pollution Control Plan at \$2,741.66

- Safety and Security (5%): \$34,143.00

- Basic Construction Inspection Services (3%): \$21,510.00

- Project Management & Admin - Design (1%): \$7,170.00

- Project Management & Admin - Construction (4.7%): \$33,869.00

GRAND TOTAL = \$779,548.44

NOTES:

-- Section 1, Riverbank Repair, costs from Applicant's cost estimate excluded, as this is covered under another Project.

Capture Date: 04/09/2019 22:00

Federal Emergency Management Agency
 Project Application Grant Report (P.2)
 Disaster: FEMA-4308-DR-CA

Number of Records: 1

-- The Applicant has requested Hazard Mitigation for this project and included proposed methods in their cost estimate summary. Hazard Mitigation Summary is attached.

-- The Subrecipient is requesting reimbursement for Direct Administrative Costs associated with this project, but no documentation has been presented to the project specialist at the time the project was submitted.

Adjustments for actual DAC costs may be considered during project closeout.

1 PW	PWs (\$)	Subgrantee Admin Exp. (\$)	Total (\$)
Amount Eligible (\$)	789,567.26	0.00	789,567.26
Federal Share (\$)	592,175.45	0.00	592,175.45

PA-09-CA-4308-PW-01168(0) <u>P</u>	
Applicant Name:	Application Title:
YUBA CITY	SUYUG01 - Feather River Park
Period of Performance Start:	Period of Performance End:
04-01-2017	10-01-2018

Subgrant Application - Entire Application

Application Title: SUYUG01 - Feather River Park
Application Number: PA-09-CA-4308-PW-01168(0)
Application Type: Subgrant Application (PW)

Preparer Information

Prefix
First Name Ayesha
Middle Initial
Last Name Bright
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Agency/Organization Name Federal Emergency Management Agency Region IX
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Zip 95827
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Is the application preparer the Point of Contact? No

Point of Contact Information

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 City Yuba City
 State CA
 ZIP 95993
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 Fax 530-822-4694
 Email bmoody@yubacity.net

Project Description

Disaster Number: 4308
 Pre-Application Number: PA-09-CA-4308-RPA-0182
 Applicant ID: 101-86972-00
 Applicant Name: YUBA CITY
 Subdivision:
 Project Number: SUYUG01
 Standard Project Number/Title: 799 - Recreational or Other
 Please Indicate the Project Type: Neither Alternate nor Improved
 Application Title: SUYUG01 - Feather River Park
 Category: G.RECREATIONAL OR OTHER
 Percentage Work Completed? 0.0 %
 As of Date: 03-06-2018

Comments
Attachments

Damage Facilities (Part 1 of 2)

Facility Number	Facility Name	Address	County	City	State	ZIP	Site Previously Damaged?	Action
1	Feather River Park		Sutter		CA		No	

Comments							
Attachments							
User	Date	Document Type	Description	Hard Copy File Reference	File Name	Action	
AYESHA BRIGHT	02-28-2018	Photos	SUYUG01 - DR4308 (CA) - Photos	SUYUG01 - DR4308 (CA) - Photos	SUYUG01 - DR4308(CA) - Photos.pdf(1.72 Mb)	View	
AYESHA BRIGHT	02-28-2018	Map	SUYUG01 - DR4308 (CA) - Location Maps	SUYUG01 - DR4308 (CA) - Location Maps	SUYUG01 - DR4308(CA) - Location Maps.pdf(1.12 Mb)	View	
AYESHA BRIGHT	02-28-2018	Additional Information	SUYUG01 - DR4308 (CA) - LOP #1 Applicant Narrative	SUYUG01 - DR4308 (CA) - LOP #1 Applicant Narrative	SUYUG01 - DR4308(CA) - LOP #1 Applicant Narrative.pdf(2.66 Mb)	View	

AYESHA BRIGHT	02-28-2018	Additional Information	SUYUG01 - DR4308 (CA) - LOP #5 Applicant Narrative	SUYUG01 - DR4308 (CA) - LOP #5 Applicant Narrative	SUYUG01 - DR4308(CA) - LOP #5 Applicant Narrative.pdf(2.59 Mb)	View
AYESHA BRIGHT	02-28-2018	Drawings/Sketches	SUYUG01 - DR4308 (CA) - Sketches	SUYUG01 - DR4308 (CA) - Sketches	SUYUG01 - DR4308(CA) - Sketches.pdf(1.30 Mb)	View
AYESHA BRIGHT	03-01-2018	Map	SUYUG01 - DR4308 (CA) - Maps - Google Earth Before and After	SUYUG01 - DR4308 (CA) - Maps - Google Earth Before and After	SUYUG01 - DR4308(CA) - Maps - Google Earth Before and After.pdf(350.60 kb)	View
AYESHA BRIGHT	03-15-2018	Floodplain	SUYUG01 - DR4308 (CA) - Flood Map.pdf	SUYUG01 - DR4308 (CA) - Flood Map.pdf	SUYUG01 - DR4308(CA) - Flood Map.pdf(521.48 kb)	View

Facility Name:	Feather River Park
Address 1:	
Address 2:	
County:	Sutter
City:	
State:	CA
ZIP:	
Damage Category:	
Was this site previously damaged?	No
Percentage Work Completed?	0.00 %
Location:	<p>PA-09-CA-4308-PW-01168(0): LOP #1 - FEATHER RIVER PARKWAY GPS: Begin (39.14462, -121.60936) - End (39.15463, -121.61468)</p> <p>a) Gravel Roadways GPS: 39.14690, -121.60933 Site 1: Begin (39.14690, -121.60933) - End (39.14767, -121.60945) Site 2: Begin (39.14925, -121.61067) - End (39.15034, -121.61163) Site 3: Begin (39.15063, -121.61203) - End (39.15205, -121.61265) Site 4: Begin (39.15225, -121.61275) - End (39.15463, -121.61468)</p> <p>b) Dirt Bike Trails GPS: 39.14976, -121.60883 Site 1: Begin (39.15152, -121.60882) - End (39.15059, -121.60776) Site 2: Begin (39.15152, -121.60882) - End (39.15061, -121.60760) Site 3: Begin (39.15483, -121.61029) - End (39.15505, -121.60889) Site 4: Begin (39.15361, -121.60987) - End (39.15390, -121.60842) Site 5: Begin (39.15390, -121.60842) - End (39.15274, -121.60922) Site 6: Begin (39.15269, -121.60945) - End (39.15135, -121.60790)</p> <p>c) Pedestrian Trails (Non-Wetland) GPS: 39.14881, -121.61025 Site 1: Begin (39.14881, -121.61025) - End (39.15002, -121.60843) Site 2: Begin (39.15031, -121.61079) - End (39.15165, -121.61039) Site 3: Begin (39.15099, -121.61138) - End (39.15168, -121.61038) Site 4: Begin (39.15094, -121.61138) - End (39.15155, -121.61143) Site 5: Begin (39.15095, -121.61142) - End (39.15242, -121.61248) Site 6: Begin (39.15245, -121.61233) - End (39.15259, -121.60974) Site 7: Begin (39.15248, -121.61245) - End (39.15271, -121.60977) Site 8: Begin (39.15245, -121.61248) - End (39.15373, -121.61004) Site 9: Begin (39.15365, -121.61302) - End (39.15442, -121.61338) Site 10: Begin (39.15486, -121.61356) - End (39.15530, -121.61285)</p> <p>d) Pedestrian Trails (Wetland Areas): GPS: 39.15004, -121.60811 Site 1: Begin (39.15002, -121.60843) - End (39.15131, -121.60790) Site 2: Begin (39.15061, -121.60760) - End (39.14902, -121.60652) Site 3: Begin (39.14902, -121.60652) - End (39.14834, -121.60821) Site 4: Begin (39.14834, -121.60821) - End (39.14999, -121.60807)</p>

	<p>e) Picnic Area GPS: 39.14852, -121.60685</p> <p>f) Debris Park-wide</p> <p>LOP #5 - WATER INTAKE FACILITY ACCESS ROAD GPS: Begin (39.14881, -121.61025) - End (39.15631, -121.60938)</p> <p>a) Gravel Roadways, Section 2 GPS: Begin (39.15568, -121.61037) - End (39.15152, -121.60882)</p> <p>b) Storm Water Conveyance Culverts GPS: 39.15312, -121.60969</p>
<p>Damage Description and Dimensions:</p>	<p>PA-09-CA-4308-PW-01168(0): This PW addresses LOP Line Items #1 and #5 for DR-4308.</p> <p>During the incident period of February 1, 2017 through February 23, 2017, severe winter storms and heavy rains caused widespread flooding throughout the State of California.</p> <p>Feather River is a principal tributary of the Sacramento River and passes through Yuba City, California. Its course is adjacent to parks and facilities including Feather River Park. The City of Yuba is legally responsible for, and maintains, Feather River Park.</p> <p>Heavy rains, high winds, and flooding from the storms caused the banks of the Feather River to crest and inundate Feather River Parkway, the park it encompasses, and its Water Intake Facility Access Road.</p> <p>These facilities were fully submerged by fast water flows, silt, sand, and vegetative debris. Swift river currents created the following damages:</p> <ul style="list-style-type: none"> • LOP #1 - FEATHER RIVER PARKWAY GPS: Begin (39.14462, -121.60936) - End (39.15463, -121.61468) <p>a) Gravel Roadways. Aggregate washout measures a total of 2,350ft L x 10ft W x 0.5ft D / 27 = 435 CY</p> <ul style="list-style-type: none"> Site 1: Gravel roadway surface aggregate washout measures 281ft L x 10ft W x 0.5ft D / 27 = 52 CY Site 2: Gravel roadway surface aggregate washout measures 481ft L x 10ft W x 0.5ft D / 27 = 89 CY Site 3: Gravel roadway surface aggregate washout measures 564ft L x 10ft W x 0.5ft D / 27 = 104 CY Site 4: Gravel roadway surface aggregate washout measures 1024ft L x 10ft W x 0.5ft D / 27 = 190 CY <p>b) Dirt Bike Trails. Dirt road surface washout measures a total of 6,072ft L x 12ft W x 0.40ft D / 27 = 1,080 CY</p> <ul style="list-style-type: none"> Site 1: Dirt road surface washout measures 570ft L x 12ft W x 0.40ft D / 27 = 101 CY Site 2: Dirt road surface washout measures 570ft L x 12ft W x 0.40ft D / 27 = 101 CY Site 3: Dirt road surface washout measures 400ft L x 12ft W x 0.40ft D / 27 = 71 CY Site 4: Dirt road surface washout measures 400ft L x 12ft W x 0.40ft D / 27 = 71 CY Site 5: Dirt road surface washout measures 560ft L x 12ft W x 0.40ft D / 27 = 100 CY Site 6: Dirt road surface washout measures 800ft L x 12ft W x 0.40ft D / 27 = 142 CY <p>* Additional Sites: An additional 2,772 LF of dirt trail measurements were pulled from the original project design bid schedule</p>

as some trails were not accessible during the site inspection, but were reported as potentially damaged by the applicant.

c) Pedestrian Trails (Non-Wetland Areas). Aggregate washout measures a total of 6,315ft L x 10ft W x 0.5ft D / 27 = 1,169 CY

Site 1: Gravel walkway surface aggregate washout measures 695ft L x 10ft W x 0.5ft D / 27 = 128 CY

Site 2: Gravel walkway surface aggregate washout measures 548ft L x 10ft W x 0.5ft D / 27 = 98 CY

Site 3: Gravel walkway surface aggregate washout measures 411ft L x 10ft W x 0.5ft D / 27 = 79 CY

Site 4: Gravel walkway surface aggregate washout measures 223ft L x 10ft W x 0.5ft D / 27 = 48 CY

Site 5: Gravel walkway surface aggregate washout measures 686ft L x 10ft W x 0.5ft D / 27 = 116 CY

Site 6: Gravel walkway surface aggregate washout measures 1,155ft L x 10ft W x 0.5ft D / 27 = 215 CY

Site 7: Gravel walkway surface aggregate washout measures 768ft L x 10ft W x 0.5ft D / 27 = 141 CY

Site 8: Gravel walkway surface aggregate washout measures 1,180ft L x 10ft W x 0.5ft D / 27 = 210 CY

Site 9: Gravel walkway surface aggregate washout measures 322ft L x 10ft W x 0.5ft D / 27 = 59 CY

Site 10: Gravel walkway surface aggregate washout measures 327ft L x 10ft W x 0.5ft D / 27 = 62 CY

d) Pedestrian Trails (Wetland Areas). Aggregate washout measures a total of 2257ft L x 10ft W x 0.5ft D / 27 = 429 CY

Site 1: Gravel walkway surface aggregate washout measures 465ft L x 10ft W x 0.5ft D / 27 = 90 CY

Site 2: Gravel walkway surface aggregate washout measures 585ft L x 10ft W x 0.5ft D / 27 = 126 CY

Site 3: Gravel walkway surface aggregate washout measures 557ft L x 10ft W x 0.5ft D / 27 = 107 CY

Site 4: Gravel walkway surface aggregate washout measures 650ft L x 10ft W x 0.5ft D / 27 = 120 CY

e) Picnic Area

o Component 1: Picnic Tables with Benches. (6) Pre-cast concrete tables with benches scoured and washed out and off of their

foundations. Estimated 1.15 CY of concrete ea x (6) = 7 CY

o Component 2: Picnic Table Foundations. (6) Concrete slab foundations washed out each measuring 12.17ft L x 10.42ft W x 0.67ft D

= 3.15 CY x (6) = 19 CY

o Component 3: Picnic Grill Area. Reinforced concrete washed out measuring 40ft L x 15ft W x 0.83ft D = 18 CY

o Component 4: Miscellaneous

Trash Can.(1) 30 gal trash can displaced

f) Debris. Accumulated vegetative debris (unmeasured). Accumulated sand/silt debris measures 2,889 CY total.

o Component 1: Downed trees and vegetation - quantity unmeasured

o Component 2: Sand/silt debris - 2,889 CY

• LOP #5 - WATER INTAKE FACILITY ACCESS ROAD

GPS: Begin: 39.148811, -121.610255 End: 39.156313, -121.609386

a) Gravel Roadway, Section 2. Roadway surface washout measures 3,100ft L x 20ft W x 0.5ft D / 27 = 1,150 CY

b) Storm Water Conveyance Culverts

o Component 1: CMP Inserts. (2) Corrugated metal pipe inserts bent and displaced measuring (2) 28' L x 30" diameter each

o Component 2: K-Rails. (2) Concrete barriers displaced measuring 20ft L x 3ft W x 2ft D each (est)

o Component 3: Bulkhead. (2) Concrete bulkheads (10ft L x 4ft W x 5ft H / 27 = 7.4 x (2) = 14.8 CY), rip rap (20ft L x 10ft W x 2ft D / 27 = 14.8 x (2) = 29.6 CY),

	<p>spillway (25ft L x 20ft L x 2ft D/27 = 37 x (2) = 74 CY), and road (21ft L x 20ft W x 2ft D/27 = 31.11 CY) washed out .</p> <p>NOTES:</p> <p>-- Reference #SUYUG01, representing LOP #1, was previously named SUYCG01. This ref number was combined with what was previously called SUYCC04, representing LOP #5.</p> <p>-- Section 1, Riverbank Repairs, of the Water Intake Facility Access Road is covered under DR-4308 PW Ref #SUYUC05, EMMIE #01311.</p> <p>-- Exact road/path coordinates shown on the Project Worksheet will be flexible during the design based on the actual field conditions, but will be targeted to adhere to measurements/dimensions above.</p> <p>-- Culvert Dimensions were recorded as 18" in diameter during site inspection, but verified by applicant as 30" in diameter (see photos and correspondence).</p>
Scope of Work:	<p>PA-09-CA-4308-PW-01168(0): This PW addresses LOP Line Items #1 and #5 for DR-4308.</p> <p>WORK TO BE COMPLETED (100%)</p> <p>The Applicant will procure contract work to restore the damaged facilities to pre-disaster conditions. Work for Feather River Parkway (LOP #1) will be to replace the eroded gravel roadways, repair and re-grade the eroded bike trails, excavate and reinstall the concrete slabs, picnic tables and benches back to their original locations, remove and dispose of accumulated debris and conduct miscellaneous work as necessary upon debris removal. Work for restoration of the Water Intake Facility Access Road (LOP #5) will be to replace and re-grade the washed out gravel roadways and replace the damaged culverts.</p> <p>Debris will be disposed of "appropriately and legally" as stated in competitive bid documents with a probable final disposition at 5900 Ostrom Road Wheatland, CA 95692 (GPS 39.07290, -121.39911). Silt/Sand debris will be stockpiled and /or redistributed onsite; excess sand/silt debris will have a probable final disposition at 5900 Ostrom Road Wheatland, CA 95692 (GPS 39.07290, -121.39911).</p> <p>The Applicant has provided cost estimates for work to be completed. Costs were sourced from local suppliers, including 'Butte Sand and Gravel', and include contingencies due to supply/demand related to the Oroville Dam disaster. The engineering estimate also includes the Applicant's proposed hazard mitigation. A CEF has been formulated by the Project Specialist, using the Applicant's anticipated work items in conjunction with Caltrans 2016/RS Means 2018 unit prices as indicated.</p> <p>The final eligible amount for this project is to be obligated based upon the actual documented cost of the completed work.</p> <p>The estimated event-related eligible repaired damages consist of:</p> <ul style="list-style-type: none"> • LOP #1 FEATHER RIVER PARKWAY- \$492,533.80 <ul style="list-style-type: none"> a) Gravel Roadways. <ul style="list-style-type: none"> Fill, compact and regrade eroded surface aggregate. 435 CY (0.54 acres; 1,305 SY; 2,350 LF) at \$75,648.75 RS Means/Caltrans estimated costs: <ul style="list-style-type: none"> - Clearing and Grubbing at \$43,054.20 - Scarify and Compact Subgrade at \$6,224.85 - Class II Aggregate Base at \$18,848.55 - Mobilization/Demobilization at \$7,521.15 b) Dirt Bike Trails.

Fill, compact and regrade eroded dirt surface.
 1,080 CY (6,072 LF) at \$100,891.98
 RS Means/Caltrans estimated costs:
 - Clearing and Grubbing at \$50,901.73
 - Rough Grading at \$3,824.81
 - Imported Fill/Borrow at \$28,738.80
 - Compaction at \$17,426.64

c) Pedestrian Trails (Non-Wetland Areas).

Fill, compact and regrade eroded surface aggregate.
 1,169 CY (3,508 SY; 6,315 LF) at \$138,499.67.
 RS Means/Caltrans estimated costs:
 - Clearing and Grubbing at \$50,901.73
 - Scarify and Compact Subgrade at \$16,733.16
 - Class II Aggregate Base at \$50,652.77
 - Mobilization/Demobilization at \$20,212.01

d) Pedestrian Trails (Wetland Areas).

Fill, compact and regrade eroded surface aggregate.
 429 CY (0.5 acres; 2,257 LF) at \$71,852.56
 RS Means/Caltrans estimated costs:
 - Clearing and Grubbing at \$39,865.00
 - Scarify and Compact Subgrade at \$5,981.58
 - Class II Aggregate Base at \$18,588.57
 - Mobilization/Demobilization at \$7,417.41

e) Picnic Area.

Reinstall the six (6) park picnic tables by forming and pouring concrete slabs, relocating and reinstalling tables/benches, plus Miscellaneous Work, including trash can replacement, disposal at \$26,166.90

o Component 1: Picnic Tables w/Benches. 7 CY

Excavate, relocate and reinstall (6) park picnic tables w/ benches.
 RS Means/Caltrans estimated costs:
 - Remove Precast Concrete Table/Benches at \$1,428.56
 - Relocate/Install Precast Concrete Table/Benches at \$10,210.26

o Component 2: Picnic Table Foundations. 19 CY

Excavate, pour, and reinstall (6) minor concrete slabs.
 RS Means/Caltrans estimated costs:
 - Minor Concrete Slabs at \$5,973.60
 - Fine grading at \$534.24

o Component 3: Picnic Grill Area. 18 CY

Excavate, pour, and reinstall concrete slab.
 RS Means/Caltrans estimated costs:
 - Minor Site Demolition (Grill Concrete Slab) at \$3,998.16
 - Structural Concrete Material at \$2,767.50
 - Structural Concrete Placing at \$430.74
 - Fine grading (included in cost above)

o Component 4: Miscellaneous, including 30 gal Trash Can

Excavate and reinstall trash can.
 RS Means/Caltrans estimated costs:
 - Trash Can (LOP #1 Picnic Area) at \$823.84

f) Debris.

Removal and disposal of downed trees and sand/silt debris at \$79,473.94

o Component 1: Downed trees and vegetation. Unmeasured.

Removal and disposal.
 Caltrans estimated costs:
 - Clearing and Grubbing at \$50,901.73

o Component 2: Sand/silt debris. 2,889 CY

Removal and stockpiling.

RS Means estimated costs:
 - Stripping and Stockpiling at \$28,572.21

• LOP #5 WATER INTAKE FACILITY ACCESS ROAD - \$167,581.00

a) Gravel roadway, Section 2.
 Fill, compact and regrade eroded surface aggregate.
 1,150 CY (68,200 SF) at \$137,042.61
 RS Means/Caltrans estimated costs:
 - Clearing and Grubbing at \$50,901.73
 - Scarify and Compact Subgrade at \$16,427.88
 - Class II Aggregate Base at \$49,829.50
 - Mobilization/Demobilization at \$19,883.50

b) Storm Water Conveyance Culverts.
 Excavate and replace damaged culverts and surrounding infrastructure.
 (2) 30-inch culverts at \$30,528.39

o Component 1: CMP Inserts.
 Excavate and replace culvert inserts.
 RS Means/Caltrans estimated costs:
 - (2) 30-inch CMP at \$4,674.32
 - Pipe Bedding at \$1,647.61
 - Pipe Bedding Compaction at \$226.44
 - 30-inch flared end sections (costs from RS Means 2018, derived from average cost of 24in flared end and 36in flared end, in absence of 30in flared end cost) at \$5,012.62
 - Excavation/Offhaul at \$380.73
 - Hauling Excess Soils (incl. in mobilization cost)
 - Minor Grading/Revegetation for Erosion Control at \$468.42
 - Scarify and Compact Subgrade at \$529.47
 - Remove existing 30-inch Culverts at \$4,144.00
 - H&H Study for Culvert Replacement at \$3,000.00

o Component 2: K-Rails.
 Replace cracked and displaced K-rails.
 RS Means/Caltrans estimated costs:
 - (4) K-Rails at \$445.96

o Component 3: Bulkhead.
 Re-install rip rap bulkhead and spillway.
 RS Means/Caltrans estimated costs:
 - Concrete Bulkhead Reset at \$557.20
 - Filter Fabric at \$1,724.00
 - Rip rap at \$4,415.25
 - Class II Aggregate at \$1,343.23
 - Engineered Fill at \$1,969.14

Sub-Total : \$660,114.78
 Additional Contract Costs: \$119,433.66
 - Mobilization/Demobilization (LOP #1 Picnic Area Equip, LOP #1 Debris Equip, LOP #5 Hauling Excess Soils, LOP #5 Culverts- CMP Inserts, K-Rails, and Bulkhead) at Lump Sum of \$20,000.00
 - Water Pollution Control Plan at \$2,741.66
 - Safety and Security (5%): \$34,143.00
 - Basic Construction Inspection Services (3%): \$21,510.00
 - Project Management & Admin - Design (1%): \$7,170.00
 - Project Management & Admin - Construction (4.7%): \$33,869.00

GRAND TOTAL = \$779,548.44

NOTES:
 -- Section 1, Riverbank Repair, costs from Applicant's cost estimate excluded, as this is covered under another Project.

-- The Applicant has requested Hazard Mitigation for this project and included proposed methods in their cost estimate summary. Hazard Mitigation Summary is attached.

-- The Subrecipient is requesting reimbursement for Direct Administrative Costs associated with this project, but no documentation has been presented to the project specialist at the time the project was submitted.
Adjustments for actual DAC costs may be considered during project closeout.

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
Feather River Parkway	39.14462	-121.60936

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
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? Yes
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
CARMEN SHORE	03-29-2019	Environmental/Historic Document	No Effect Determination Memo		DR4308_PW01168_Feather_River_ESA_No_Effect_(to FEMA 03.28.2019).pdf(42.78 kb)	View

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

Is effective mitigation feasible on this project? Yes

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

Will mitigation be performed on any sites in this project? **Yes**

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

Do you wish to attach a Hazard Mitigation Proposal? **Yes**

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

Please provide the Scope of Work
for the estimate:

(I) Damages Description & Dimensions (DDD): This PW address
LOP Line Item #1 & #5 for DR-4308

This PW addresses LOP Line Items #1 and #5 for DR-4308. During the incident period of February 1, 2017 through February 23, 2017, severe winter storms and heavy rains caused widespread flooding throughout the State of California. Feather River is a principal tributary of the Sacramento River that passes through Yuba City, California. Its course is adjacent to parks and facilities including Feather River Park. The City of Yuba is legally responsible for and maintains Feather River Park. Heavy rains, high winds, and flooding from the storms caused the banks of the Feather River to crest and inundate the Feather River Park's Feather River Parkway and adjacent facilities and Water Intake Facility Access Road. Feather River Parkway is a roadway that surrounds the park and Section 2 of the Water intake facility access road is the portion of that roadway that crosses through the park.

Feather River Park was fully submerged by fast water flows, silt, sand, and vegetative debris. These swift river currents created the following damages:

LOP #5 - WATER INTAKE FACILITY ACCESS ROAD, SECTION 2

b) Storm Water Conveyance Culverts

o Component 1: CMP Inserts.

(2) Corrugated metal pipe inserts bent and displaced measuring (2)
28' L x 30" diameter each

Lat. 39.153122 Long.-121.609694

o Component 2: K-Rails.

(2) Concrete barriers displaced measuring 20ft L x 3ft W x 2ft D each
(est)

o Component 3: Bulkhead. Rip rap bulkhead and spillway washed out
measuring 20ft W x 25ft x 2ft = 37 CY (est)

PW total cost of damage elements for this site is \$30,528.39

(II) Hazard Mitigation Proposal (HMP) Scope of Work:

LOP #5 - The applicant proposes to Upsize the 30inch culverts to
48inch culverts with flared ends. This will prevent future washout of
the culverts and road surface there.

48in CMP at 30ft Long x 2culverts = 60 ft @ \$121.2 per ft = \$7,272

48in CMP Flared ends @ \$2,940 x 4 = \$11,760 and additional
armoring with rip rap (50lb avg) around flared ends at 25ft L x 6ft W x
3ft H / 27 = 17 CY @ \$39.60 per cy = \$673.20

RSMEANS Cost Codes with Redding adjustment used.

Mitigation cost = \$10,018.26

(III) Hazard Mitigation Ratio (HMR):

HMR = (Total Hazard Mitigation Cost/PW Total Cost of Damage
Elements) X 100

HMR = \$10,018.26/ \$30,528.39 x 100 = 32.82%

(IV) HMP Feasibility and Cost-Effectiveness:

This Hazard Mitigation Proposal is 32.82% of the repair and

restoration costs. The Hazard Mitigation Proposal is approved in accordance with the 100% Rule, Appendix J of the FEMA PA Program and Policy Guide. This HMP is cost effective.

Would you like to add the Hazard Mitigation Proposal as a cost line item to the project cost? Yes

Hazard Mitigation Proposal - 0909									
#	Code	Material and/or Description	Unit Quantity	Unit of Measure	Unit Price	Subgrant Budget Class	Type	Cost Estimate	Action
*** Version 0 ***									
1	9999	HMP	1	LS	\$ 10,018.26	CONTRACTUAL		\$ 10,018.26	
								Total Cost: \$ 10,018.26	

Comments							
Attachments							
User	Date	Document Type	Description	Hard Copy File Reference	File Name	Action	
AYESHA BRIGHT	03-15-2018	Mitigation Document	HMP-4308-SUYUG01.xlsm	HMP-4308-SUYUG01.xlsm	HMP-4308-SUYUG01.xlsm (168.10 kb)	View	
AYESHA BRIGHT	03-15-2018	Mitigation Proposal	SUYUG01 - DR4308 (CA) - HMP.pdf	SUYUG01 - DR4308 (CA) - HMP.pdf	SUYUG01 - DR4308(CA) - HMP.pdf(384.86 kb)	View	
AYESHA BRIGHT	03-19-2018	Mitigation Proposal	SUYUG01 - DR4308 (CA) - HMP (SIGNED)	SUYUG01 - DR4308 (CA) - HMP (SIGNED)	SUYUG01 - DR4308(CA) - HMP (SIGNED).pdf(300.47 kb)	View	

Cost Estimate

Is this Project Worksheet for	Cost Estimate Format
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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 ***									
Direct Subgrantee Admin Cost									
1	9901	Direct Administrative Costs (Subgrantee)	1	LS	\$ 0.00	INDIRECT CHARGES	Direct Subgrantee Admin Cost	\$ 0.00	
CEF									
2	9000	CEF Cost Estimate (See Attached Spreadsheet)	1	LS	\$ 779,549.00	CONSTRUCTION	CEF	\$ 779,549.00	
								Total Cost : \$ 779,549.00	

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	

Hazard Mitigation Proposal - 0909									
Sequence	Code	Material and/or Description	Unit Quantity	Unit of Measure	Unit Price	Subgrant Budget Class	Type	Cost Estimate	Action

*** Version 0 ***

1	9999	HMP	1	LS	\$ 10,018.26	CONTRACTUAL	\$ 10,018.26
Total Cost :							\$ 10,018.26

Total Cost Estimate: (Preferred Estimate Type + Insurance Adjustments + Hazard Mitigation Proposal)	\$ 789,567.26
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Comments

Attachments

User	Date	Document Type	Description	Hard Copy File Reference	File Name	Action
AYESHA BRIGHT	02-28-2018	Additional Information	SUYUG01 - DR4308 (CA) - Engineers Cost Estimates	SUYUG01 - DR4308 (CA) - Engineers Cost Estimates	SUYUG01 - DR4308(CA) - Engineers Cost Estimates.pdf (98.42 kb)	View
AYESHA BRIGHT	03-14-2018	Additional Information	SUYUG01 - DR4308 (CA) - RS Means Cost Codes.pdf	SUYUG01 - DR4308 (CA) - RS Means Cost Codes.pdf	SUYUG01 - DR4308(CA) - RS Means Cost Codes.pdf(48.74 kb)	View
AYESHA BRIGHT	03-15-2018	Additional Information	SUYUG01 - DR4308 (CA) - Cal Trans Cost Codes.pdf	SUYUG01 - DR4308 (CA) - Cal Trans Cost Codes.pdf	SUYUG01 - DR4308(CA) - Cal Trans Cost Codes.pdf(43.34 kb)	View
AYESHA BRIGHT	03-16-2018	Calculation Sheet	SUYUG01 - DR4308 (CA) - CEF	SUYUG01 - DR4308 (CA) - CEF	SUYUG01 - DR4308(CA) - CEF.pdf(152.23 kb)	View

Existing Insurance Information

Insurance Type	Policy No.	Bldg/Property Amount	Content Amount	Insurance Amount	Deductible Amount	Years Required
General	017471589/04	\$ 1,000,000,000.00	\$ 1,000,000,000.00		\$ 5,000.00	0
Flood	017471589/04	\$ 10,000,000.00	\$ 10,000,000.00		\$ 100,000.00	0

Comments

Attachments

User	Date	Document Type	Description	Hard Copy File Reference	File Name	Action
RICHARD AVERITT	09-30-2017	Insurance Document	4308 SUCG01 Insurance Document	4308 SUCG01 Insurance Document	4308 SUYCG01 Insurance 17-18 APIP Binder.pdf(479.89 kb)	View

Comments and Attachments

Name of Section	Comment	Attachment
Preparer Information		SUYUG01 - DR4308(CA) - Coorespondence.pdf (03-16-2018)
Damage Facilities		SUYUG01 - DR4308(CA) - Photos.pdf (02-28-2018)
		SUYUG01 - DR4308(CA) - Location Maps.pdf (02-28-2018)
		SUYUG01 - DR4308(CA) - LOP #1 Applicant Narrative.pdf (02-28-2018)
		SUYUG01 - DR4308(CA) - LOP #5 Applicant Narrative.pdf (02-28-2018)
		SUYUG01 - DR4308(CA) - Sketches.pdf (02-28-2018)

Comments and Attachments

		SUYUG01 - DR4308(CA) - Maps - Google Earth Before and After.pdf (03-01-2018)
		SUYUG01 - DR4308(CA) - Flood Map.pdf (03-15-2018)
Special Considerations		DR4308 PW01168 Feather River ESA No Effect (to FEMA 03.28.2019).pdf (03-29-2019)
		HMP-4308-SUYUG01.xlsm (03-15-2018)
Mitigation		SUYUG01 - DR4308(CA) - HMP.pdf (03-15-2018)
		SUYUG01 - DR4308(CA) - HMP (SIGNED).pdf (03-19-2018)
		SUYUG01 - DR4308(CA) - Engineers Cost Estimates.pdf (02-28-2018)
Cost Estimate		SUYUG01 - DR4308(CA) - RS Means Cost Codes.pdf (03-14-2018)
		SUYUG01 - DR4308(CA) - Cal Trans Cost Codes.pdf (03-15-2018)
		SUYUG01 - DR4308(CA) - CEF.pdf (03-16-2018)
Insurance Information		4308 SUYCG01 Insurance 17-18 APIP Binder.pdf (09-30-2017)
		SUYUG01 - DR4308(CA) - RFI PW Signature.pdf (03-15-2018)
Form 90-91	-- Applicant made revision to Scope Notes page upon Signing.	SUYUG01 - DR4308(CA) - 90-91 (SIGNED).pdf (03-19-2018)
		SUYUG01 - DR4308(CA) - Scope Notes (SIGNED).pdf (03-19-2018)
Application Level	Based on the information provided, Cal OES concurs with FEMA's determination regarding the scope of work and costs described in the subgrant as written. Any change in the scope of work, if applicable, must be submitted to the Cal OES Public Assistance Officer and be approved before work begins. DThorpe 4/2/19	

Bundle Reference # (Amendment #)	Date Awarded
PA-09-CA-4308-PW-01168(1240)	04-09-2019

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	4308	-	DR	SUYUG01	101-86972-00	03-14-2018	G

APPLICANT: YUBA CITY		WORK COMPLETE AS OF: 03-06-2018 : 0 %	
Site 1 of 1			
DAMAGED FACILITY: Feather River Park		COUNTY: Sutter	
LOCATION: PA-09-CA-4308-PW-01168(0): LOP #1 - FEATHER RIVER PARKWAY GPS: Begin (39.14462, -121.60936) - End (39.15463, -121.61468)		LATITUDE: 39.14462	LONGITUDE: -121.60936
<p>a) Gravel Roadways GPS: 39.14690, -121.60933 Site 1: Begin (39.14690, -121.60933) - End (39.14767, -121.60945) Site 2: Begin (39.14925, -121.61067) - End (39.15034, -121.61163) Site 3: Begin (39.15063, -121.61203) - End (39.15205, -121.61265) Site 4: Begin (39.15225, -121.61275) - End (39.15463, -121.61468)</p> <p>b) Dirt Bike Trails GPS: 39.14976, -121.60883 Site 1: Begin (39.15152, -121.60882) - End (39.15059, -121.60776) Site 2: Begin (39.15152, -121.60882) - End (39.15061, -121.60760) Site 3: Begin (39.15483, -121.61029) - End (39.15505, -121.60889) Site 4: Begin (39.15361, -121.60987) - End (39.15390, -121.60842) Site 5: Begin (39.15390, -121.60842) - End (39.15274, -121.60922) Site 6: Begin (39.15269, -121.60945) - End (39.15135, -121.60790)</p> <p>c) Pedestrian Trails (Non-Wetland) GPS: 39.14881, -121.61025 Site 1: Begin (39.14881, -121.61025) - End (39.15002, -121.60843) Site 2: Begin (39.15031, -121.61079) - End (39.15165, -121.61039) Site 3: Begin (39.15099, -121.61138) - End (39.15168, -121.61038) Site 4: Begin (39.15094, -121.61138) - End (39.15155, -121.61143) Site 5: Begin (39.15095, -121.61142) - End (39.15242, -121.61248) Site 6: Begin (39.15245, -121.61233) - End (39.15259, -121.60974) Site 7: Begin (39.15248, -121.61245) - End (39.15271, -121.60977) Site 8: Begin (39.15245, -121.61248) - End (39.15373, -121.61004) Site 9: Begin (39.15365, -121.61302) - End (39.15442, -121.61338) Site 10: Begin (39.15486, -121.61356) - End (39.15530, -121.61285)</p> <p>d) Pedestrian Trails (Wetland Areas): GPS: 39.15004, -121.60811 Site 1: Begin (39.15002, -121.60843) - End (39.15131, -121.60790) Site 2: Begin (39.15061, -121.60760) - End (39.14902, -121.60652) Site 3: Begin (39.14902, -121.60652) - End (39.14834, -121.60821) Site 4: Begin (39.14834, -121.60821) - End (39.14999, -121.60807)</p> <p>e) Picnic Area GPS: 39.14852, -121.60685</p> <p>f) Debris Park-wide</p> <p>LOP #5 - WATER INTAKE FACILITY ACCESS ROAD GPS: Begin (39.14881, -121.61025) - End (39.15631, -121.60938)</p> <p>a) Gravel Roadways, Section 2 GPS: Begin (39.15568, -121.61037) - End (39.15152, -121.60882)</p> <p>b) Storm Water Conveyance Culverts GPS: 39.15312, -121.60969</p>			
Current Version:			
DAMAGE DESCRIPTION AND DIMENSIONS:			
<p>PA-09-CA-4308-PW-01168(0): This PW addresses LOP Line Items #1 and #5 for DR-4308.</p> <p>During the incident period of February 1, 2017 through February 23, 2017, severe winter storms and heavy rains caused widespread flooding throughout the State of California.</p> <p>Feather River is a principal tributary of the Sacramento River and passes through Yuba City, California. Its course is adjacent to parks and facilities including Feather River Park. The City of Yuba is legally responsible for, and maintains, Feather River Park.</p> <p>Heavy rains, high winds, and flooding from the storms caused the banks of the Feather River to crest and inundate Feather River Parkway, the park it encompasses, and its Water Intake Facility Access Road.</p> <p>These facilities were fully submerged by fast water flows, silt, sand, and vegetative debris. Swift river currents created the following damages:</p> <p>- LOP #1 - FEATHER RIVER PARKWAY GPS: Begin (39.14462, -121.60936) - End (39.15463, -121.61468)</p>			

- a) Gravel Roadways. Aggregate washout measures a total of 2,350ft L x 10ft W x 0.5ft D / 27 = 435 CY
 Site 1: Gravel roadway surface aggregate washout measures 281ft L x 10ft W x 0.5ft D / 27 = 52 CY
 Site 2: Gravel roadway surface aggregate washout measures 481ft L x 10ft W x 0.5ft D / 27 = 89 CY
 Site 3: Gravel roadway surface aggregate washout measures 564ft L x 10ft W x 0.5ft D / 27 = 104 CY
 Site 4: Gravel roadway surface aggregate washout measures 1024ft L x 10ft W x 0.5ft D / 27 = 190 CY
- b) Dirt Bike Trails. Dirt road surface washout measures a total of 6,072ft L x 12ft W x 0.40ft D / 27 = 1,080 CY
 Site 1: Dirt road surface washout measures 570ft L x 12ft W x 0.40ft D / 27 = 101 CY
 Site 2: Dirt road surface washout measures 570ft L x 12ft W x 0.40ft D / 27 = 101 CY
 Site 3: Dirt road surface washout measures 400ft L x 12ft W x 0.40ft D / 27 = 71 CY
 Site 4: Dirt road surface washout measures 400ft L x 12ft W x 0.40ft D / 27 = 71 CY
 Site 5: Dirt road surface washout measures 560ft L x 12ft W x 0.40ft D / 27 = 100 CY
 Site 6: Dirt road surface washout measures 800ft L x 12ft W x 0.40ft D / 27 = 142 CY
 * Additional Sites: An additional 2,772 LF of dirt trail measurements were pulled from the original project design bid schedule as some trails were not accessible during the site inspection, but were reported as potentially damaged by the applicant.
- c) Pedestrian Trails (Non-Wetland Areas). Aggregate washout measures a total of 6,315ft L x 10ft W x 0.5ft D / 27 = 1,169 CY
 Site 1: Gravel walkway surface aggregate washout measures 695ft L x 10ft W x 0.5ft D / 27 = 128 CY
 Site 2: Gravel walkway surface aggregate washout measures 548ft L x 10ft W x 0.5ft D / 27 = 98 CY
 Site 3: Gravel walkway surface aggregate washout measures 411ft L x 10ft W x 0.5ft D / 27 = 79 CY
 Site 4: Gravel walkway surface aggregate washout measures 223ft L x 10ft W x 0.5ft D / 27 = 48 CY
 Site 5: Gravel walkway surface aggregate washout measures 686ft L x 10ft W x 0.5ft D / 27 = 116 CY
 Site 6: Gravel walkway surface aggregate washout measures 1,155ft L x 10ft W x 0.5ft D / 27 = 215 CY
 Site 7: Gravel walkway surface aggregate washout measures 768ft L x 10ft W x 0.5ft D / 27 = 141 CY
 Site 8: Gravel walkway surface aggregate washout measures 1,180ft L x 10ft W x 0.5ft D / 27 = 210 CY
 Site 9: Gravel walkway surface aggregate washout measures 322ft L x 10ft W x 0.5ft D / 27 = 59 CY
 Site 10: Gravel walkway surface aggregate washout measures 327ft L x 10ft W x 0.5ft D / 27 = 62 CY
- d) Pedestrian Trails (Wetland Areas). Aggregate washout measures a total of 2257ft L x 10ft W x 0.5ft D / 27 = 429 CY
 Site 1: Gravel walkway surface aggregate washout measures 465ft L x 10ft W x 0.5ft D / 27 = 90 CY
 Site 2: Gravel walkway surface aggregate washout measures 585ft L x 10ft W x 0.5ft D / 27 = 126 CY
 Site 3: Gravel walkway surface aggregate washout measures 557ft L x 10ft W x 0.5ft D / 27 = 107 CY
 Site 4: Gravel walkway surface aggregate washout measures 650ft L x 10ft W x 0.5ft D / 27 = 120 CY

e) Picnic Area

- o Component 1: Picnic Tables with Benches. (6) Pre-cast concrete tables with benches scoured and washed out and off of their foundations. Estimated 1.15 CY of concrete ea x (6) = 7 CY
- o Component 2: Picnic Table Foundations. (6) Concrete slab foundations washed out each measuring 12.17ft L x 10.42ft W x 0.67ft D = 3.15 CY x (6) = 19 CY
- o Component 3: Picnic Grill Area. Reinforced concrete washed out measuring 40ft L x 15ft W x 0.83ft D = 18 CY
- o Component 4: Miscellaneous
Trash Can.(1) 30 gal trash can displaced

f) Debris. Accumulated vegetative debris (unmeasured). Accumulated sand/silt debris measures 2,889 CY total.

- o Component 1: Downed trees and vegetation - quantity unmeasured
- o Component 2: Sand/silt debris - 2,889 CY

• LOP #5 - WATER INTAKE FACILITY ACCESS ROAD

GPS: Begin: 39.148811, -121.610255 End: 39.156313, -121.609386

- a) Gravel Roadway, Section 2. Roadway surface washout measures 3,100ft L x 20ft W x 0.5ft D / 27 = 1,150 CY
- b) Storm Water Conveyance Culverts
- o Component 1: CMP Inserts. (2) Corrugated metal pipe inserts bent and displaced measuring (2) 28" L x 30" diameter each
 - o Component 2: K-Rails. (2) Concrete barriers displaced measuring 20ft L x 3ft W x 2ft D each (est)
 - o Component 3: Bulkheads. (2) Concrete bulkheads (10ft L x 4ft W x 5ft H / 27 = 7.4 x (2) = 14.8 CY), rip rap (20ft L x 10ft W x 2ft D / 27 = 14.8 x (2) = 29.6 CY), spillway (25ft L x 20ft L x 2ft D / 27 = 37 x (2) = 74 CY), and road (21ft L x 20ft W x 2ft D / 27 = 31.11 CY) washed out.

NOTES:

-- Reference #SUYUG01, representing LOP #1, was previously named SUYCG01. This ref number was combined with what was previously called SUYCC04, representing LOP #5.

-- Section 1, Riverbank Repairs, of the Water Intake Facility Access Road is covered under DR-4308 PW Ref #SUYUC05, EMMIE #01311.

-- Exact road/path coordinates shown on the Project Worksheet will be flexible during the design based on the actual field conditions, but will be targeted to adhere to measurements/dimensions above.

-- Culvert Dimensions were recorded as 18" in diameter during site inspection, but verified by applicant as 30" in diameter (see photos and correspondence).

Current Version:

SCOPE OF WORK:

PA-09-CA-4308-PW-01168(0):

This PW addresses LOP Line Items #1 and #5 for DR-4308.

WORK TO BE COMPLETED (100%)

The Applicant will procure contract work to restore the damaged facilities to pre-disaster conditions. Work for Feather River Parkway (LOP #1) will be to replace the eroded gravel roadways, repair and re-grade the eroded bike trails, excavate and reinstall the concrete slabs, picnic tables and benches back to their original locations, remove and dispose of accumulated debris and conduct miscellaneous work as necessary upon debris removal. Work for restoration of the Water Intake Facility Access Road (LOP #5) will be to replace and re-grade the washed out gravel roadways and replace the damaged culverts.

Debris will be disposed of "appropriately and legally" as stated in competitive bid documents with a probable final disposition at 5900 Ostrom Road Wheatland, CA 95692 (GPS 39.07290, -121.39911). Silt/Sand debris will be stockpiled and/or redistributed onsite; excess sand/silt debris will have a probable final disposition at 5900 Ostrom Road Wheatland, CA 95692 (GPS 39.07290, -121.39911).

The Applicant has provided cost estimates for work to be completed. Costs were sourced from local suppliers, including 'Butte Sand and Gravel', and include contingencies due to supply/demand related to the Oroville Dam disaster. The engineering estimate also includes the Applicant's proposed hazard mitigation. A CEF has been formulated by the Project Specialist, using the Applicant's anticipated work items in conjunction with Caltrans 2016/RS Means 2016 unit prices as indicated.

The final eligible amount for this project is to be obligated based upon the actual documented cost of the completed work.

The estimated event-related eligible repaired damages consist of:

• LOP #1 FEATHER RIVER PARKWAY- \$492,533.80

a) Gravel Roadways.

Fill, compact and regrade eroded surface aggregate.
435 CY (0.54 acres; 1,305 SY; 2,350 LF) at \$75,648.75
RS Means/Caltrans estimated costs:
- Clearing and Grubbing at \$43,054.20
- Scarify and Compact Subgrade at \$6,224.85
- Class II Aggregate Base at \$18,848.55
- Mobilization/Demobilization at \$7,521.15

b) Dirt Bike Trails.

Fill, compact and regrade eroded dirt surface.
1,080 CY (6,072 LF) at \$100,891.98
RS Means/Caltrans estimated costs:
- Clearing and Grubbing at \$50,901.73
- Rough Grading at \$3,824.81
- Imported Fill/Borrow at \$26,738.80
- Compaction at \$17,426.64

c) Pedestrian Trails (Non-Wetland Areas).

Fill, compact and regrade eroded surface aggregate.
1,169 CY (3,508 SY; 6,315 LF) at \$138,499.67.
RS Means/Caltrans estimated costs:
- Clearing and Grubbing at \$50,901.73
- Scarify and Compact Subgrade at \$16,733.16
- Class II Aggregate Base at \$50,652.77
- Mobilization/Demobilization at \$20,212.01

d) Pedestrian Trails (Wetland Areas).

Fill, compact and regrade eroded surface aggregate.
429 CY (0.5 acres; 2,257 LF) at \$71,852.56
RS Means/Caltrans estimated costs:
- Clearing and Grubbing at \$39,865.00
- Scarify and Compact Subgrade at \$5,981.58
- Class II Aggregate Base at \$18,588.57
- Mobilization/Demobilization at \$7,417.41

e) Picnic Area.

Reinstall the six (6) park picnic tables by forming and pouring concrete slabs, relocating and reinstalling tables/benches, plus Miscellaneous Work, including trash can replacement, disposal at \$26,166.90

o Component 1: Picnic Tables w/Benches. 7 CY

Excavate, relocate and reinstall (6) park picnic tables w/ benches.
RS Means/Caltrans estimated costs:
- Remove Precast Concrete Table/Benches at \$1,428.56
- Relocate/Install Precast Concrete Table/Benches at \$10,210.26

o Component 2: Picnic Table Foundations. 19 CY

Excavate, pour, and reinstall (6) minor concrete slabs.
RS Means/Caltrans estimated costs:
- Minor Concrete Slabs at \$5,973.60
- Fine grading at \$534.24

o Component 3: Picnic Grill Area. 18 CY

Excavate, pour, and reinstall concrete slab.
RS Means/Caltrans estimated costs:
- Minor Site Demolition (Grill Concrete Slab) at \$3,998.16
- Structural Concrete Material at \$2,767.50
- Structural Concrete Placing at \$430.74
- Fine grading (included in cost above)

o Component 4: Miscellaneous, including 30 gal Trash Can

Excavate and reinstall trash can.
RS Means/Caltrans estimated costs:
- Trash Can (LOP #1 Picnic Area) at \$823.84

f) Debris.

Removal and disposal of downed trees and sand/silt debris at \$79,473.94

- o Component 1: Downed trees and vegetation. Unmeasured.
Removal and disposal:
Caltrans estimated costs:
- Clearing and Grubbing at \$50,901.73
- o Component 2: Sand/silt debris. 2,889 CY
Removal and stockpiling.
RS Means estimated costs:
- Stripping and Stockpiling at \$28,572.21

• LOP #5 WATER INTAKE FACILITY ACCESS ROAD - \$167,561.00

a) Gravel roadway, Section 2.

- Fill, compact and regrade eroded surface aggregate.
1,150 CY (68,200 SF) at \$137,042.61
RS Means/Caltrans estimated costs:
- Clearing and Grubbing at \$50,901.73
- Scarify and Compact Subgrade at \$16,427.88
- Class II Aggregate Base at \$49,829.50
- Mobilization/Demobilization at \$19,883.50

b) Storm Water Conveyance Culverts.

- Excavate and replace damaged culverts and surrounding infrastructure.
(2) 30-inch culverts at \$30,528.39

o Component 1: CMP Inserts

- Excavate and replace culvert inserts.
RS Means/Caltrans estimated costs:
- (2) 30-inch CMP at \$4,674.32
- Pipe Bedding at \$1,647.61
- Pipe Bedding Compaction at \$226.44
- 30-inch flared end sections (costs from RS Means 2018, derived from average cost of 24in flared end and 36in flared end, in absence of 30in flared end cost) at \$5,012.62
- Excavation/Offhaul at \$380.73
- Hauling Excess Soils (incl. in mobilization cost)
- Minor Grading/Revegetation for Erosion Control at \$468.42
- Scarify and Compact Subgrade at \$529.47
- Remove existing 30-inch Culverts at \$4,144.00
- H&H Study for Culvert Replacement at \$3,000.00

o Component 2: K-Rails.

- Replace cracked and displaced K-rails.
RS Means/Caltrans estimated costs:
- (4) K-Rails at \$445.96

o Component 3: Bulkhead.

- Re-install rip rap bulkhead and spillway.
RS Means/Caltrans estimated costs:
- Concrete Bulkhead Reset at \$557.20
- Filter Fabric at \$1,724.00
- Rip rap at \$4,415.25
- Class II Aggregate at \$1,343.23
- Engineered Fill at \$1,969.14

Sub-Total : \$660,114.78

Additional Contract Costs: \$119,433.66

- Mobilization/Demobilization (LOP #1 Picnic Area Equip, LOP #1 Debris Equip, LOP #5 Hauling Excess Soils, LOP #5 Culverts- CMP Inserts, K-Rails, and Bulkhead) at Lump Sum of \$20,000.00
- Water Pollution Control Plan at \$2,741.66
- Safety and Security (5%): \$34,143.00
- Basic Construction Inspection Services (3%): \$21,510.00
- Project Management & Admin - Design (1%): \$7,170.00
- Project Management & Admin - Construction (4.7%): \$33,869.00

GRAND TOTAL = \$779,548.44

NOTES

- Section 1, Riverbank Repair, costs from Applicant's cost estimate excluded, as this is covered under another Project.
- The Applicant has requested Hazard Mitigation for this project and included proposed methods in their cost estimate summary. Hazard Mitigation Summary is attached.
- The Subrecipient is requesting reimbursement for Direct Administrative Costs associated with this project, but no documentation has been presented to the project specialist at the time the project was submitted.
Adjustments for actual DAC costs may be considered during project closeout.

Current Version:

Does the Scope of Work change the pre-disaster conditions at the site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Special Considerations included? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Hazard Mitigation proposal included? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is there insurance coverage on this facility? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

PROJECT COST					
ITEM	CODE	NARRATIVE	QUANTITY/UNIT	UNIT PRICE	COST
		*** Version 0 ***			
		Direct Subgrantee Admin Cost			
1	9901	Direct Administrative Costs (Subgrantee)	1/LS	\$ 0.00	\$ 0.00
		CEF			
2	9000	CEF Cost Estimate (See Attached Spreadsheet)	1/LS	\$ 779,549.00	\$ 779,549.00
3	0909	Hazard Mitigation Proposal	1/LS	\$ 10,018.26	\$ 10,018.26
				TOTAL COST	\$ 789,567.26
PREPARED BY Ayesha Bright		TITLE FEMA Project Specialist	SIGNATURE		
APPLICANT REP. Spencer Morrison		TITLE Accounting Manager	SIGNATURE		

YUBA CITY : PA-09-CA-4308-PW-01168					
Conditions Information					
Review Name	Condition Type	Condition Name	Description	Monitored	Status
Final Review	Other (EHP)	Executive Order 11990 - Wetlands	The Sub-Grantee is responsible for proper identification of wetlands. Under EO 11990 - Protection of Wetlands. The Sub-Grantee is responsible for coordinating with and obtaining any required Section 404 Permit(s) from the United States Army Corps of Engineers (USACE) prior to initiating work. The Sub-Grantee shall comply with all conditions of the required permit. All coordination pertaining to these activities shall be documented and copies forwarded to the California Office of Emergency Services and the FEMA Public Assistance Program as part of the permanent project files.	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 discovered, will immediately cease construction in that area and notify the State and FEMA.	No	Approved
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)	National Historic Preservation Act (NHPA)	If borrow material for this project is not reclaimed disaster-displaced material, or obtained from a standard commercial borrow source or from a pre-existing stockpile, the Sub-Grantee must notify FEMA and the California Office of Emergency Services (Cal OES) prior to commencing borrow extraction, so that compliance with Section 106 of the	No	Approved

YUBA CITY : PA-09-CA-4308-PW-01168					
Conditions Information					
			National Historic Preservation Act can be accomplished. Non-compliance with this requirement may jeopardize the receipt of federal funding.		
Final Review	Other (EHP)	Executive Order 11988 - Floodplains	Sub-Grantee must coordinate with the local floodplain administrator and obtain required permits prior to initiating work. All coordination pertaining to these activities and Sub-Grantee compliance with any conditions should be documented and copies forwarded to the State and FEMA for inclusion in the permanent project files.	No	Approved
Final Review	Other (EHP)	Clean Water Act (CWA)	This project is to take place in or near waters of the USA, the Sub-Grantee is required to contact the US Army Corps of Engineers (USACE) to determine and obtain documentation on whether project activities require a USACE permit under Section 404 of the Clean Water Act (CWA). All documentation pertaining to permits, must be attached to the Subgrant Application. If required, it is the responsibility of the Sub-Grantee to obtain or otherwise qualify for a 404 permit. Noncompliance with this requirement may jeopardize receipt of Federal financial assistance.	Yes	Approved
Final Review	Other (EHP)	Clean Air Act (CAA)	The Subgrantee is responsible for complying with all applicable subparts of the Clean Air Act. Failure to comply with this condition may jeopardize federal assistance, including funding. Any change to the approved scope of work will require re-evaluation for compliance with the Clean Air Act.	No	Approved
Final Review	Other (EHP)	Executive Order 11990 - Wetlands	The Sub-Grantee shall ensure that best management practices are implemented to prevent erosion and sedimentation to surrounding, nearby or adjacent wetlands. This includes equipment storage and staging of construction to prevent erosion and sedimentation to ensure that wetlands are not adversely impacted per the Clean Water Act and Executive Order 11990.	No	Approved
EHP Review	Other (EHP)	National Historic Preservation Act (NHPA)	If borrow material for this project is not reclaimed disaster-displaced material, or obtained from a standard commercial borrow source or from a pre-existing stockpile, the Sub-Grantee must notify FEMA and the California Office of Emergency Services (Cal OES) prior to commencing borrow extraction, so that compliance with Section 106 of the National Historic Preservation Act can be accomplished. Non-compliance with this requirement may jeopardize the receipt of 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 that area and notify the State and FEMA.	No	Recommended
EHP Review	Other (EHP)	Standard Condition #2	This review does not address all federal, state and local requirements. Acceptance of	No	Recommended

YUBA CITY : PA-09-CA-4308-PW-01168					
Conditions Information					
			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.		
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)	Executive Order 11990 - Wetlands	The Sub-Grantee is responsible for proper identification of wetlands. Under EO11990 - Protection of Wetlands. The Sub-Grantee is responsible for coordinating with and obtaining any required Section 404 Permit(s) from the United States Army Corps of Engineers (USACE) prior to initiating work. The Sub-Grantee shall comply with all conditions of the required permit. All coordination pertaining to these activities shall be documented and copies forwarded to the California Office of Emergency Services and the FEMA Public Assistance Program as part of the permanent project files.	No	Recommended
EHP Review	Other (EHP)	Executive Order 11988 - Floodplains	Sub-Grantee must coordinate with the local floodplain administrator and obtain required permits prior to initiating work. All coordination pertaining to these activities and Sub-Grantee 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)	Clean Water Act (CWA)	This project is to take place in or near waters of the USA, the Sub-Grantee is required to contact the US Army Corps of Engineers (USACE) to determine and obtain documentation on whether project activities require a USACE permit under Section 404 of the Clean Water Act (CWA). All documentation pertaining to permits, must be attached to the Subgrant Application. If required, it is the responsibility of the Sub-Grantee to obtain or otherwise qualify for a 404 permit. Noncompliance with this requirement may jeopardize receipt of Federal financial assistance.	Yes	Recommended
EHP Review	Other (EHP)	Clean Air Act (CAA)	The Subgrantee is responsible for complying with all applicable subparts of the Clean Air Act. Failure to comply with this condition may jeopardize federal assistance, including funding. Any change to the approved scope of work will require re-evaluation for compliance with the Clean Air Act.	No	Recommended
EHP Review	Other (EHP)	Executive Order 11990 - Wetlands	The Sub-Grantee shall ensure that best management practices are implemented to prevent erosion and sedimentation to surrounding, nearby or adjacent wetlands. This includes equipment storage and staging of construction to prevent erosion and sedimentation to ensure that wetlands are not adversely impacted per the Clean Water Act and Executive Order 11990.	No	Recommended
Insurance Review	Program Terms (Grant Specific)		As detailed in FEMA Recovery Policy FP 206-086-1, Part 1(A)(2), the requirement to	No	Recommended

YUBA CITY : PA-09-CA-4308-PW-01168				
Conditions Information				
		No Insurance Obtain and Maintain Condition	obtain and maintain insurance as a condition of receiving public assistance funding from FEMA applies to buildings, contents, vehicles, and equipment. The items described in this Subgrant Application do not fall in one of these categories. There is no insurance purchase requirement.	

Internal Comments				
No.	Queue	User	Date/Time	Reviewer Comments
9	Grantee Review	Thorpe Daniel	04-02-2019 04:55 PM GMT	Based on the information provided, Cal OES concurs with FEMA's determination regarding the scope of work and costs described in the subgrant as written. Any change in the scope of work, if applicable, must be submitted to the Cal OES Public Assistance Officer and be approved before work begins. DThorpe 4/2/19
8	EHP Review	BENZ EMILY	03-29-2019 06:05 PM GMT	<p>Cat G, 0% Complete Yuba City, Sutter County, CA (Water Intake Facility Access Road and Feather River Parkway)</p> <p>Subrecipient will utilize contract services to repair Feather River Parkway trails and picnic area to predisaster conditions and make repairs to a water intake facility access road. Work at the Parkway includes replacing lost trail surface materials, damaged picnic area components such as grill pits and picnic tables, and removing storm debris. Work at the access road consists of replacing damaged culvert components, k-rails, riprap bulkhead and spillway and road surface materials. An approved hazard mitigation proposal is attached:</p> <p>Subrecipient will upsize culverts at LOP 5 Access road from 30in to 48in CMPs with flared ends and add additional riprap to the inlet and outlet.</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 FEMA Instruction 108-1-1 and DHS Instruction 023-01-001-01: Categorical Exclusion(s) N7has been applied. 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.</p> <p>- cshore1 - 03/29/2019 17:03:46 GMT</p> <p>The project is located in Yuba/Marysville Area, Sutter County that is within an attainment area for all criteria pollutants according to the U. S. Environmental Protection Agency (USEPA): https://www.epa.gov/green-book updated March31, 2018. The SOW associated with this undertaking is exempt from a conformity determination under the General Conformity Rule. - khardege - 04/23/2018 21:41:18 GMT</p> <p>***ABOVE COMMENT VOID AND NO LONGER APPLICABLE***</p> <p>The project is located in Sutter County that is within a nonattainment area for 8-Hr Ozone (2008, 2015) according to the U.S. Environmental Protection Agency (USEPA): https://www3.epa.gov/airquality/greenbook/anayo_ca.html updated 2/28/19. Based on the scope of work, the potential emissions from project activities are clearly below the minimum thresholds for the General Conformity Rule. Thus, the project is exempt from a conformity determination. See Condition. - cshore1 - 03/29/2019 17:00:49 GMT</p> <p>The scope of work associated with this Undertaking has the potential to affect waters of the USA. In accordance with a</p>

Internal Comments				
No	Queue	User	Date/Time	Reviewer Comments
				<p>Memorandum of Understanding signed Feb 11th, 2015, FEMA and the U.S. Army Corps of Engineers (USACE) established that FEMA will be the Lead Federal Agency for Clean Water Act (CWA) compliance, as described in the attached documentation. See attachment and Condition. - khardege - 04/23/2018 21:29:18 GMT</p> <p>Per the U.S. Fish and Wildlife Service Wetland Mapper viewed on 3/29/2019, the project sites are located within and adjacent to wetlands, however the proposed action is not likely to result in any potential direct impacts that will adversely affect the natural values and function of wetlands. Initial Disaster Public Notice was published on 4/4/2017. See Conditions. - cshore1 - 03/29/2019 16:59:03 GMT</p> <p>The proposed project will not destroy or adversely modify suitable habitat and will not affect any other listed or proposed species under the jurisdiction of the USFWS or NMFS. It is therefore determined the proposed project would have No Effect on listed species and consultation with the USFWS or NMFS under Section 7 of the Endangered Species Act is not required. See attached No Effect Determination - cshore1 - 03/29/2019 17:01:40 GMT</p> <p>The project is located within an A₂ zone, a Special Flood Hazard Area (100-year floodplain, base floodplain), per Flood Insurance Rate Map (FIRM) panel 0603960005B, dated 03/23/1984. The proposed action is not likely to result in any potential direct impacts that would adversely affect the natural values and function of floodplains. Initial Disaster Public Notice was published on 4/4/2018. See Condition. - asaunde7 - 07/23/2018 19:50:18 GMT</p> <p>The Undertaking was rev</p>
7	Insurance Review	SMITH ROGER	03-19-2018 02:03 PM GMT	<p>3/19/2018</p> <p>The Applicant has coverage with the Alliant Property Insurance Program (APIP) through the Northern California Cities Self Insurance Fund. The APIP policy excludes damages to land. The policy provides coverage for damages to unscheduled roads, highways, streets, sidewalks and culverts UNLESS there is a FEMA declaration (clause has been evaluated by HQ GC as valid). There are no duplication of benefits.</p> <p>Roger Smith, Insurance Specialist</p>
6	Mitigation Review	ROBERTSON JAMES	03-16-2018 08:24 PM GMT	<p>Proposed mitigation is technically feasible and cost effective per Public Assistance Program and Policy Guide FP-104-009-2, April 2017 Appendix J. 100% rule HMP is approved. James Robertson HM 406</p>
5	Initial Review	BRIGHT AYESHA	02-28-2018 12:06 AM GMT	<p>On Hold Pending Documentation Submittal - AB - 11/4/17</p>
4	Initial Review	KNABENSHUE BRUCE	02-27-2018 10:31 PM GMT	<p>On Hold Pending Documentation Submittal - AB - 11/4/17</p>
3	Initial Review	BRIGHT AYESHA	01-25-2018 12:06 AM GMT	<p>On Hold Pending Documentation Submittal - AB - 11/4/17</p>
2	Initial Review	BRIGHT AYESHA	11-28-2017 06:14 PM GMT	<p>On Hold Pending Documentation Submittal - AB - 11/4/17</p>
1	Initial Review	BRIGHT AYESHA	11-04-2017 08:57 PM GMT	<p>On Hold Pending Documentation Submittal - AB - 11/4/17</p>

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REIMBURSEMENT REQUEST FOR LARGE PROJECT EXPENDITURES

February 2017 Storms, DR-4308, CDA 201703

Mail Reimbursement Request to:
 California Governor's Office of Emergency
 Services
 Grants Processing Unit
 3650 Schriever Avenue
 Mather, Ca 95655

Subgrantee: Yuba City, City of

Cal OES ID: 101-86972

Please mark this box to indicate a change in the
 Authorized Agent Mailing Address below

Large Project Expenditures			
PW/Project #	Expenditure Period		CUMULATIVE EXPENDITURES TO DATE
	From	To	
TOTAL			

Under penalty of perjury, I certify that:

- ✓ I am the duly authorized agent of the claimant herein, as appointed by the Governing Body Resolution (OES130)
- ✓ This claim is in all aspects true, correct, and all expenditures were made in accordance with applicable laws, rules, regulations and grant conditions and assurances
- ✓ This claim is for costs incurred within the approved Grant Performance Period

Printed Name: _____

Phone No. (530) 822-4622

Title: _____

E-Mail Address _____

Mailing Address: 1201 Civic Center Boulevard

Fax No. _____

City/St/ZIP: Yuba City, CA 95993

Signature _____

Date _____

ATTACHMENT 3



DOMENICHELLI AND ASSOCIATES, INC.
CIVIL ENGINEERING

City of Yuba City
Attn: Claire Shawver
Public Works Department
1201 Civil Center Blvd.
Yuba City, CA 95993

September 13, 2019

RE: Cost Proposal for– Construction Predesign, Design, Environmental Work, Bid Services, and Construction/Project Management for 2017 Storm Damage Repairs

Dear Mrs. Shawver,

Domenichelli and Associates, Inc. (D&A) is pleased to submit the attached cost proposal to provide engineering design and construction support services for the Yuba City 2017 Storm Damage Repairs Project.

The following fee estimate is based on the scope of services provided in the proposal submitted under separate cover for the referenced project.

We are available to discuss this cost proposal relative to our scope of services and make adjustments as necessary to meet the City's needs for this important project.

Please let me know if you have any questions regarding this proposal.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Joe Domenichelli', is written over a blue horizontal line.

Joe Domenichelli, President

Domenichelli and Associates, Inc.



Fee Estimate

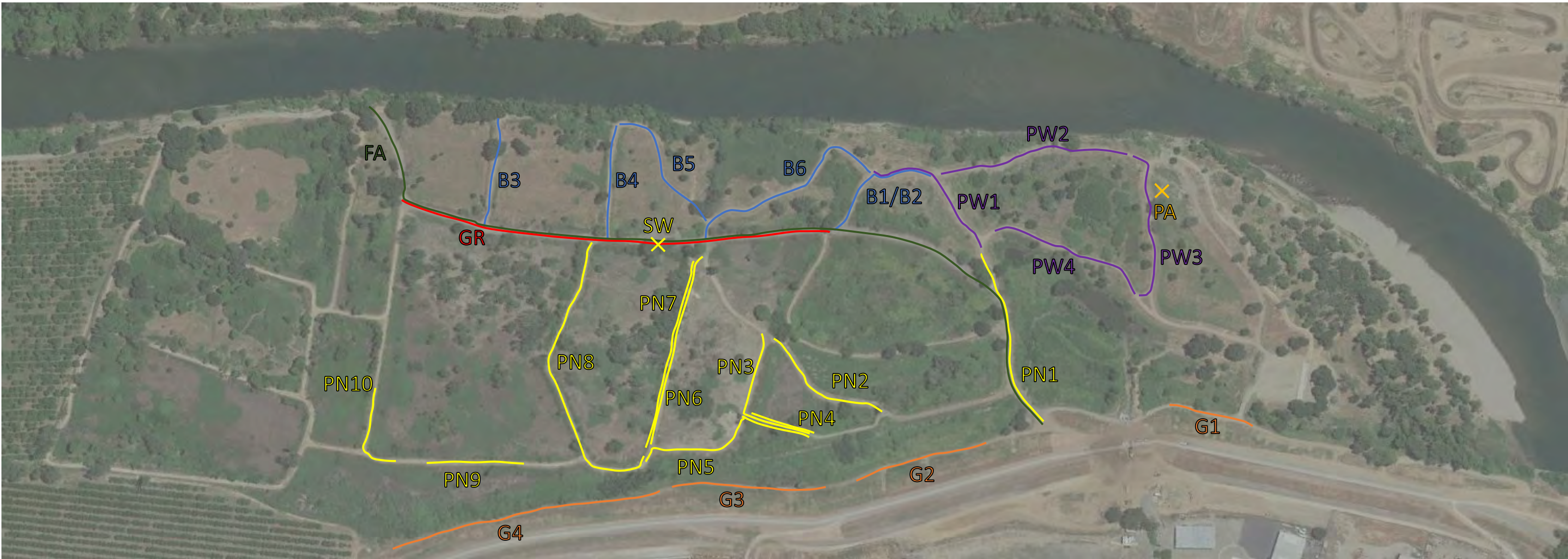
City of Yuba City - Public Works Department RFP - 2017 Storm Damage Repairs

Tasks	Joe Domenichelli				Daryl Heigher				Carol Teabo		Total Hours	Total Labor Costs (1)	Outside Services			ODCs			Total					
	PM & QA/QC		PE		PE		PE		Vertical Mapping and Divers Survey	ENZ Resources			Environmental	Subtotal	Sub Consultant Total Cost (2)	ODCs	Total ODCs (3)	Total Fee						
	\$190	\$140	\$115																					
Task 1: Kick-off and Review Existing Information																								
1.1 Kick-off Mtg & Site Walk	8			8	8						16	\$2,440							\$0	\$0	\$120	\$132	\$2,572	
1.2 Review Existing Project Information	2			4	8						14	\$1,860							\$0	\$0	\$0	\$0	\$1,860	
Subtotal Task 1:	10			4	16						30	\$4,300							\$0	\$0	\$120	\$132	\$4,432	
Task 2: Surveying & Mapping																								
2.1 Ground Surveys (Divers)	2			4							6	\$840							\$5,000	\$5,500		\$0	\$0	\$6,340
2.2 Aerial Flight and Mapping (Vertical Mapping)	2			0	4						6	\$840							\$5,751	\$6,326		\$0	\$0	\$6,326
Subtotal Task 2:	4			4	4						12	\$1,680							\$10,751	\$11,826		\$0	\$0	\$12,668
Task 3: Pre-Design																								
3.1 Conduct Enviro. Assmt. & Consult with Agencies	8			8	8						16	\$2,440							\$4,872	\$5,359		\$0	\$0	\$5,359
3.2 Pre-Design Site Walks of Improvements	4			8	24						36	\$4,640							\$0	\$0	\$150	\$165	\$0	\$2,605
3.3 Pre-design Improvements Layout	4			12	24						40	\$5,200							\$0	\$0	\$0	\$0	\$0	\$4,640
3.4 Pre-design Report Preparation & Submittal	16			20	56						92	\$12,280							\$0	\$4,872	\$5,359	\$75	\$83	\$5,283
Subtotal Task 3:	32			40	100						152	\$19,380							\$4,872	\$5,359	\$225	\$248	\$17,887	
Task 4: Final Design Services																								
4.1 50% Design	4			16	36						56	\$7,140							\$0	\$0	\$100	\$110	\$0	\$7,250
4.2 95% Design	4			16	40						60	\$7,600							\$0	\$0	\$250	\$275	\$0	\$7,875
4.3 100% Design	4			8	24						36	\$4,640							\$0	\$0	\$250	\$275	\$0	\$4,915
Subtotal Task 4:	12			40	100						152	\$19,380							\$0	\$0	\$600	\$660	\$0	\$20,040
Task 5: Environmental and Permitting																								
5.1 Coord w/ Agencies & Federal Cross Cutting Checklist	2			4	4						6	\$840							\$5,264	\$5,790		\$0	\$0	\$5,790
5.2 Obtain Permit Exemptions	2			0	4						6	\$840							\$7,184	\$7,902		\$0	\$0	\$7,902
Subtotal Task 5:	4			4	8						12	\$1,680							\$12,448	\$13,692		\$0	\$0	\$14,532
Task 6: Bid Services																								
6.1 Provide Bid Documents & Attend Pre-Bid Meeting	6			12	12						18	\$2,520							\$0	\$0	\$200	\$220	\$0	\$2,740
6.2 Addenda Preparation & Evaluate Bids	2			4	16						22	\$2,780							\$0	\$0	\$0	\$0	\$0	\$2,780
6.3 Conformed for Construction Documents	2			2	12						14	\$1,660							\$0	\$0	\$100	\$110	\$0	\$1,770
Subtotal Task 6:	8			6	40						54	\$6,960							\$0	\$0	\$300	\$330	\$0	\$7,290
Task 7: Services During Construction																								
7.1 Meeting & Site visits	16			16	16						48	\$7,120							\$10,608	\$11,669	\$400	\$440	\$0	\$19,229
7.2 Submittal Reviews	4			12	24						40	\$5,200							\$0	\$0	\$0	\$0	\$0	\$5,200
7.3 RFIs and Change Order Requests	2			8	24						34	\$4,260							\$0	\$0	\$0	\$0	\$0	\$4,260
7.4 Project Closeout and Record Drawings	2			4	16						22	\$2,780							\$0	\$0	\$200	\$220	\$0	\$3,000
Subtotal Task 7:	24			40	80						144	\$19,360							\$10,608	\$11,669	\$600	\$660	\$0	\$31,689
Task 8: Project Management																								
8.1 Project Team Management & Management Plan	32										32	\$6,080							\$0	\$0	\$0	\$0	\$0	\$6,080
8.2 Status Reports and Invoicing	24										24	\$4,560							\$0	\$0	\$0	\$0	\$0	\$4,560
Subtotal Task 8:	56			0	0						56	\$10,640							\$0	\$0	\$0	\$0	\$0	\$10,640
TOTAL	190			110	300						640	\$74,900							\$10,751	\$22,928	\$1,845	\$2,030	\$0	\$119,116

1. The individual hourly rates include salary, overhead and profit.
 2. Subcontractors will be billed at actual cost plus 10%.
 3. Other direct costs (ODCs) such as reproduction, delivery, mileage (rates will be those allowed by current IRS guidelines), and travel expenses, will be billed at actual cost plus 10%.

ATTACHMENT 4

FEMA REQUESTED REPAIRS FOR FEATHER RIVER PARKWAY



- G = Gravel Roadways (4)
- B = Dirt Bike Trails (6)
- PN = Pedestrian Trails (10) – Non-Wetland Area
- PW = Pedestrian Trails (4) – Wetland Area
- PA = Picnic Area
- FA = Water Intake Facility Access Road
- GR = Gravel Roadways, Section 2
- SW = Storm Water Conveyance Culverts