PA-02-NJ-4086-PW-04737(0) <u>P</u>	· · · · · · · · · · · · · · · · · · ·	
Applicant Name:	Application Title:	
BELMAR	0493007 Silver Lake Repair	
Period of Performance Start:	Period of Performance End:	
10-30-2012	04-30-2014	

Bundle Reference # (Amendment #)	Date Awarded
PA-02-NJ-4086-State-0120(119)	11-21-2013

Subgrant Application - FEMA Form 90-91

Note: The Effective Cost Share for this application is 90%

				FEDERA		ICY MANAGEMENT AGENCY T WORKSHEET	,	
DISAST	ER			PROJECT NO.	PA ID NO.	DATE		CATEGORY
FEMA	4086	- DR	-NJ	0493007	025-04930-	08-22-2013		[G
APPLIC.	ANT: BELI	MAR		<u> </u>		WORK COMPLETE AS OF: 07-29-2013: 9-%		
						Site 1 of 6		-
	ED FACIL		ir			COUNTY: Monmouth		
LOCATI	ON:						LATITUDE: 40.18167	LONGITUDE: -74.01319
PA-02-N	IJ-4086-P\	N-04737	'(0) :			·		
Silver La	ake							
DAMAG	E DESCR	IPTION .	AND D	IMENSIONS:			<u> </u>	 :
i		-						
PA-02-N	NJ-4086-P\	N-04737	7(0):					
(Ferrugg See atta Site #1: Site #2: Site #3: Site #4: Site #5:	gio Park) a ached SITE Silver Lak Silver Lak Silver Lak Silver Lak Silver Lak	nd dama SHEET e Gazeb e Electri e Outfall e Concre e Walkir	aged the FS for cool of the FS f	e following sites at letailed DAMAGE rk ure and Piping ewalks is and Shoreline E	t Silver Lake in DESCRIPTIO mbankment S	6/12 to 11/8/12, the storm sur n Belmar, Monmouth County, N and MEASUREMENTS. oil Ocean Ave between 5th and 6	ÑJ 07719.	
				MEASUREMENTS. hrough #4 for DAN		IPTION and SCOPE OF WOR	RK.	
SCOPE	OF WOR	K:						
See att		E SHEE	TS for	detailed SCOPE O		nt labor and materials to comp	olete the following:	

WORK COMPLETED

Site #1: Silver Lake Gazebo - See attached force account labor and material of SITE SHEET #1 Site #4: Silver Concrete Sidewalks - See attached force account labor and material of SITE SHEET #2 Sub grantee intends to use contracts for the following scope of work:

WORK TO BE COMPLETED

Site #2: Silver Lake Electrical Work - see attached FEMA Project Specialist Estimate on SITE SHEET #2

Site #3: Silver Lake Outfall Structure and Piping - See attached bid line item estimate on SITE SHEET #3

Site #5: Silver Lake Walking Paths and Lakeshore embankment. See attached bid line item estimate on SITE SHEET #5

SITE SHEET #5: FEMA Project Specialist RECOMMENDATION.

During the declared event, the storm surge inundated the Silver Lake and surrounding Ferruggio Park, damaging the stone dust walking paths. The sub grantee hired an engineer to design restoration plans for the walkway that specifies removal and replacement of the entire walkway cross section, consisting of a surface layer of stone dust on top of a 6-in crushed stone base course. See attached section detail from plans. In the FEMA Project's Specialist's opinion, the crushed stone base course is ineligible was undamaged by the declared incident. Based upon visual inspection of the walking paths after the storm, damage is limited to the eastern half of the stone dust walking path

Therefore, the FEMA Project Specialist recommends reducing the damage quantity for the Silver Lake walkway to remove-replace 2-in of Fema Project Specialist used 25% of the contractor's unit price (Bid Line Item #13) which was for the bid 8-in cross section: 2-in / 8-in = 25%; (.25 x \$11.00/SY = \$2.75); 3,680 SY x \$2.75 per SY = \$10,120

In Summary the FEMA Project Specialist recommends, including the stone dust surface course 3,680 SY for \$10,120, and omitting the crushed stone base course (5600 SY for \$51,480), because the base course was undamaged by the declared event.

Please refer to the attached Determination Memo which recommends reducing the applicant's request by \$51,480, from of \$61,600 to \$10,120.

PROJECT NOTES:

RECORD RETENTION: Complete records and cost documents for all approved work must be maintained for at least three (3) years form the date the project was completed or from the date final payment is received, whichever is later. Applicant is responsible for all documentation associated with this project.

SUPPORTING DOCUMENTATION: 20% or more of the documentation to support this project has been reviewed and verified by the Applicant and Project Specialist for eligibility and correctness.

PROCUREMENT: The Applicant is required to adhere to State Government procurement rules and regulations and maintain adequate records to support the basis for all purchasing of goods and materials and contracting services for projects approved under the Public Assistance program, as stated in 44 CFR 13.36. The applicant has advised they have/will follow their normal procurement procedures.

PERMITS: The PA Project Specialist has advised the Applicant that it is their responsibility to obtain all applicable local, state and federal permits prior to any construction or debris disposal activity referenced on this project. Applicant has also been advised that the lack of obtaining and maintaining these permits may jeopardize funding.

INSURANCE: The Applicant is aware that all projects are subject to an insurance review as stated in 44 CFR Sections 206.252 and 206.253. If applicable an insurance determination will be made either as anticipated proceeds or actual proceeds in accordance with the applicant's insurance policy that may affect the total amount of the project.

DIRECT ADMINISTRATIVE COST: The sub grantee is requesting Direct Administrative Cost (DAC) that are directly chargeable to this specific project. Associated eligible work is related to the administration of the PA project only and in accordance with 44 CFR 13.22. These costs are treated consistently and uniformly as direct costs in all federal awards and other sub grantee activities and are not included in any approved indirect costs rates. The FEMA Project Specialist estimates for DAC related activities are presented on the Site Sheets.

HAZARD MITIGATION MEASURES: 406 Hazard Mitigation opportunities exist and will be evaluated and added at a later time.

Disaster Relief Appropriations Act Two-Year Expenditure Requirement

In compliance with the direction provided by the memorandum dated August 1, 2013 from Edward H. Johnson, Chief Financial Officer, Disaster Relief Appropriations Act 2-Year Expenditure Requirement, the following is included as a condition of this grant:

Funds obligated pursuant to this Project Worksheet (PW) are subject to expenditure time limits imposed under Section 904(c) of the Disaster Relief Appropriations Act, 2013, P. I., 113-2, and are required to be expended by the grantee or sub-grantee (paid as an outlay of money in furtherance the grant purpose) within 730 days of the date FEMA obligates the funds for this PW in its financial system. Any funds not expended by the grantee or sub-grantee within 730 days will be deobligated by FEMA within 30 days from the end of this 730 day period and any funds withdrawn and not expended must be returned to FEMA within 30 days from the end of the 730 day period, ceasing FEMA's financial liability.

"Expended" occurs when the grantee or sub-grantee pays, commits, or obligates the grant funding to a contractor or service provider but does not include a disbursement of grant funds by the grantee to a sub-grantee.

Site 2 of 6					
DAMAGED FACILITY:	COUNTY: Monmouth				
Site #1: Silver Lake Gazebo					

LOCATION:	·	LATITUDE: 40.18167	LONGITUDE: -74.013194
PA-02-NJ-4086-PW-04737(0):			\
Silver Lake at Ocean Ave, Belmar, Monmouth County, NJ 07719			
DAMAGE DESCRIPTION AND DIMENSIONS:			
PA-02-NJ-4086-PW-04737(0):			de de la Cita
During the Post-tropical Cyclone Sandy incident period, from 10/26. #1, Gazebo located at the eastern edge of Silver Lake at Ocean Av 07719.	enue, between 5th and 6th A	Aves. in Belmar, Moni	mouth County, NJ
The facility is a one story wood framed structure that is octagonal in approximately 2-ft above grade and is accessed via a 24-ft ramp. T surrounding the floor and the interior is illuminated with lighting fixtu. 1) Damaged access ramp decking, 24-ft long x 7.5-ft wide. Total 18 2) Damaged gazebo floor decking, 8 sections: 5.5-ft wide x 12.75-fl 3) Damaged ramp and gazebo railing, 8 U x 11-ft=88 LF (Gazebo)	he roof is pitched and has as ires fed from a 100 amp serv i long. Total 561 SF	sphalt shingles. There rice to a distribution p	e is a railing anel.
SCOPE OF WORK:			
PA-02-NJ-4086-PW-04737(0): At the time this PW was prepared, the sub grantee used force accorre-disaster design, capacity and function that existed immediately documenting their purchase of lumber and other building materials damaged gazebo. Site #1 Force Account Labor per sub grantee Records: \$6,017.30 WORK COMPLETED 1) Replace access ramp decking, 24-ft long x 7.5-ft wide. Total 180 2) Replace gazebo floor decking, 8 sections: 5.5-ft wide x 12.75-ft 3) Replace ramp and gazebo railing, 8 U x 11-ft=88 LF (Gazebo) + See attached Force Account Labor and Material summaries.	prior to the declared event. and provided force account SF	The applicant provide labor records for the	d invoices, IN Kind repairs to the
LOCATION:		LATITUDE: 40.18167	LONGITUDE: -74.013194
PA-02-NJ-4086-PW-04737(0): The electrical panels are located at Silver Lake, Belmar, Monmoul 1) Gazabo on 6th Ave.; 2) On 6th Ave. opposite fountain #1; on Silver Lake, Belmar, Monmoul 1) Gazabo on 6th Ave.; 2) On 6th Ave.	th County, NJ 07719: outh Lake Drive opposite		
DAMAGE DESCRIPTION AND DIMENSIONS:			
PA-02-NJ-4086-PW-04737(0): During the Post-tropical Cyclone Sandy declared incident period, damage to Site #3, Silver Lake Electrical Work located 6th Ave. a is enclosed in three aluminum weather proof panel enclosures who between the curb and sidewalk and the lake, opposite the fountain components, including the disconnect switches and circuit breake wiring in the lake. Applicant reports that the fountains were dislod	nd Silver Lake in Belmar, Mo nich were not damaged. The ns and the gazebo. Flood wa ers. junction boxes. conduit a	onmouth County, NJ t enclosures are moun aters damaged the int nd wire, and the lake	ted on the ground ernal electrical

1) Damaged electrical breaker/disconnect switches inside panel boxes, Total 3 U

			i			
 Damaged underground service feeders to panels. 100-ft x 3 U. Total 300 LF Damaged electric pump and spray fountain in lake, including wiring from panel boxes. Total 3 U Damaged electrical junction pull boxes. Total 3 U Damaged electrical, 1 1/2-in, conduit. Total 300 LF 						
GPS readings were taken at the Site #1 Gazebo						
SCOPE OF WORK:						
PA-02-NJ-4086-PW-04737(0):						
At the time this PW was prepared, the sub grantee has not completed the work to return the facility to its pre-disaster design, capacity and function that existed immediately prior to the declared event. The sub grantee will hire a contractor to complete the repiars. The FEMA Project Specialist estimated the repair cost using RS Means Cost Works 2013, for Zip Code 07719, Long Branch, NJ; Cost Adjustment factor 1.0						
WORK TO BE COMPLETED 1) Replace 100 Amp distribution Panels, 3 U 2) Replace underground service feeders to panels. 100-ft x 3 U. Total 300 LF 3) Replace electric fountains in lake, (Note: includes 100-LF ea. of power wiring from panel boxes to fountains). 3 U 4) Replace electrical junction pull boxes. Total 3 U 5) Replace electrical conduit. 100-ft x 3 U. Total 300 LF						
	Site 4 of 6					
DAMAGED FACILITY:	COUNTY: Monmouth					
Site #3: Silver Lake Outfall Structure and Storm Pipe	<u> </u>	I	LOUGITURE			
LOCATION:		LATITUDE: 40.18167	LONGITUDE: -74.013194			
PA-02-NJ-4086-PW-04737(0):	•					
6th Ave. and Ocean Ave at Silver Lake, Belmar, Monmouth Cou	nty, NJ 07719		ļ			
DAMAGE DESCRIPTION AND DIMENSIONS:		,				
PA-02-NJ-4086-PW-04737(0): During the Post-tropical Cyclone Sandy declared incident period, from 10/26/12 to 11/8/12, the storm driven tidal surge caused flood damage to Site #3, Silver Lake Outfall Structure and Storm Pipe located at Silver Lake and Ocean Ave. in Belmar, Monmouth County, NJ 07719. The outfall structure is at the Ocean Ave. end of the lake and serves to control the water level in Silver Lake. During the declared incident, the structure was damaged by floating debris and flood waters from the storm surge. The flood waters also damaged a type A inlet and damaged 15-ft of concrete storm sewer pipe. The sub grantee hired a consulting engineer to design an IN KIND replacement outfall structure, type A inlet, and concrete storm sewer pipe. See attached plans. 1) Damaged concrete block outfall structure in lake, 3-ft x 3-ft. Total 1 U (See Bid line item #6) 2) Damaged inlet Type A at the top of the structure. 1 U (See Bid line item #8) 3) Damaged 24-in Reinforced Concrete storm outlet pipe. Total 15 LF (See Bid line item #7)						
SCOPE OF WORK:						
PA-02-NJ-4086-PW-04737(0): At the time this PW was prepared, the sub grantee had not comfunction that existed immediately prior to the declared event. The sub grantee took bids based upon the engineering plans at 15-ft of 24-in concrete storm sewer pipe. The FEMA Project Spadjusted as noted below to account for indirect contract costs.	nd has awarded a contract to re ecialist used the bid schedule of	place the outfall struct values as the basis for	ure, Type A Inlet and			
WORK TO BE COMPLETED Direct costs from the Bid Schedule of Values: 1) Remove-replace outfall structure in lake, 3-ft x 3-ft x 3-ft. Tot. 2) Repair inlet Type A, 3-ft x 3-ft x 3-ft. Total 1 U (See Bid line)	al 1 U (See Bid line item #6) item #8)					

nd 3) Concrete sewer pipe, by calculating the following the #3 Direct Cost: Site line items #2 + #3 + #4 = \$54 Divided by the Total Direct Cost for All work of the Bid latio calculation: \$54,450 / \$313,700 = .16 the Site #3 pro rated share of the Soil Erosion, Survey	,450 Schedule items = \$313,700. See Sched		sts below.
	Site 5 of 6		
AMAGED FACILITY:	COUNTY: Monmouth		
Site #4: Silver Lake Concrete Sidewalks OCATION:		LATITUDE: 40.18167	LONGITUDE: -74.013194
PA-02-NJ-4086-PW-04737(0):			
Extending along Ocean Avenue from the corner of 5th Borough of Belmar, Monmouth County, NJ 07719	n Ave to the corner of 6th Avenue in the		
DAMAGE DESCRIPTION AND DIMENSIONS:			
PA-02-NJ-4086-PW-04737(0):			
t was necessary to cross the sidewalk to transport manager to the recovery efforts from	n the declared event, Post Tropical Cyclo	boardwalk construct one Sandy. The Board	ion areas. The damage
t was necessary to cross the sidewalk to transport moccurred as a direct result of the recovery efforts from Restoration work are not included in this PW, becaus The concrete sidewalk runs parrallel to Ocean Ave., and Damaged 4-in thick, fiber-mesh reinforced concret	aterials and equipment to the beach and n the declared event, Post Tropical Cyclo e these damages were captured in sepa and extends along 5th Avenue and 6th A	boardwalk construct one Sandy. The Board rate PWs. venues. See attache	ion areas. The damage dwalk and Beach d location map.
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PA-02-NJ-4086-PW-04737(0): During the declared incident the storm s scouring of the walking paths and shore slope. The sub grantee hired a consulting engine and shore subject to the su

During the declared incident the storm surge eroded the shoreline and the surface course of the walking paths. The damage includes scouring of the walking paths and shoreline soil embankment and salt water contamination of the grass that stabilized the embankment slope.

The sub grantee hired a consulting engineer to prepare plans that included replacing the complete walking path surface course and the supporting 4-in gravel base course over an area of 5,600 SY.

However, the FEMA Project Specialist did not observe damage to the full extent of the walking path around the entire lakeshore, and did not

However, the FEMA Project Specialist did not observe damage to the full extent of the walking path around the entire lakeshore, and did not observe any damage to the supporting stone base course. See attached Section Detrail. Therefore, the recommended eligible damage is limited to the following:

1) Damaged to 2-in stone dust walking path surface course for 66% (2/3) of the lakeshore circumference, a length of 4,141-ft, and an 8-ft width. The eligible damage area is: 4141-ft long x 8-ft wide x 2-in thick = 33,128 SF / 9 SF/SY, Total 3,680 SY

The engine top soiled Values she 2) Damage 3) Damage	eer's plans a areas. The F ow on the en ed shoreline ed organic so ed grass (to	nage area is: 4141-ft long x 8-ft and the bill of quantities show re EMA project specialist has adjudineer's Bill of Quantities is shembankment: replace topsoil (bill amendment (incidental to sa stabilize the embankment from	eplacing 9000 justed the qua own in parentl resulting from alt water conta	SY of topsoil, amending the to ntities to match the damaged heses. flood erosion), 4140-ft long x imination of the soil). Total 9,0	opsoil with 2-in of compose element (Topsoil). 12-ft wide. Total 9,000 S	
PA-02-NJ	-4086-PW-04	4737(0):				
WORK TO 1) Replace 2) Replace 3) Amend 4) Replace The Bid S work. In the Topsoil, 3 Site #5 Di Divided by Ratio calce The Site # NOTE: The Recreatio	D BE COMPI e stone dust e Lake Shore I topsoil with e seeding of Schedule of V ne estimate b) Soil Ameno irect Cost: Si y the Total D culation: \$103 #3 pro rated: ne sub grante in and Other,	for the estimate and has valida LETED: on walkway surface: FEMA Preline embankment topsoil. Adju 2-in of compost, FEMA Project shoreline embankment, FEMA Project shoreline embankment, FEMA Project Special was included indirect cost iterated by the FEMA Project Special was below to the second to the second terms below #2 + #3 + # irect Cost for All work of the Bid 1480 / \$313,700 = .33 share of the Soil Erosion, Surveys restoration contract included Trees and Ground Cover, the I sod are eligible only when necessity.	oject Specialiststed Enginee Specialist's e Specialist's e Project Spec ms that apply alist prorated g, by calculatin 4 +#5 = \$103 d Schedule ite eys, and Gene es landscape of	st's eligible work recommendar's Bill of Quantities, Bid Item signification: B	#15: Total 9,000 SY Total 9,000 SY Total 9,000 SY c soil erosion controls, su nly to 1) Stone Dust Walk le of Values. d to the indirect costs be ategory G: Parks, under it of trees, shrubs and othe	ing Path, 2) low. heading:
		ork change the pre-disaster Yes No	Special Cons	siderations included? Yes	No	
Hazard M	litigation prop	posal included? Yes	Is there insu	rance coverage on this facility	? Yes No	
			PRO	JECT COST		
ITEM	CODE	NARRATIVE		QUANTITY/UNIT	UNIT PRICE	COST
1	0000	Work Completed		0/LS	\$ 0.00	\$ 0.00
2	9007	Labor		1/1.5	\$ 8 199 76	\$ 8 199 76

	PROJECT COST							
ITEM	CODE	NARRATIVE	QUANTITY/UNIT	UNIT PRICE	COST			
1	0000	Work Completed	0/LS	\$ 0.00	\$ 0.00			
2	9007	Labor	1/LS	\$ 8,199.76	\$ 8,199.76			
3	9007	Labor	1/LS	\$ -2,082.10	\$ -2,082.10			
4	9009	Material	1/LS	\$ 6,646.88	\$ 6,646.88			
5	9009	Material	1/LS	\$ -2,950.00	\$ -2,950.00			
6	0000	Work to be Completed	0/LS	\$ 0.00	\$ 0.00			
7	9999	Estimated Repair Cost	1/LS	\$ 146,764.00	\$ 146,764.00			
8	9901	Direct Administrative Costs (Subgrantee)	1/LS	\$ 784.80	\$ 784.80			
9	0000	Insurance Adjustments - 5900/5901	0/LS	\$ 0.00	\$ 0.00			
					-			

·		TITLE OEM	1 Coordinator	SIGNATURE		
PREPARED BY JOHN P BELLI TITLE			TITLE FEM	A Project Specialist	SIGNATURE	
_	<u> </u>	1			TOTAL COST	\$ 134,050.16
11	5901	Deduct Anticipated Insurance Proceeds (Flood - Site 2 Electrical Work) 1/LS			\$ -13,599.00	\$ -13,599.00
10	5901	Deduct Anticipated Insurance Proceeds (Flood - Site 1 Gazebo) 1/LS		\$ -9,714.18	\$ -9,714.18 	