PA-10-WA-4168-PW-00040(0) D P	
Applicant Name:	Application Title:
SNOHOMISH (COUNTY)	Donated Resources - Snohomish County
Period of Performance Start:	Period of Performance End:
04-02-2014	10-02-2014

Bundle Reference # (Amendment #)	Date Awarded
PA-10-WA-4168-State-0023(21)	09-29-2015

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	4168	-	DR	-WA	DONATED	061-99061-00	10-20-2014	B

APPLICANT: SNOHOMISH (COUNTY)	WORK COMPLETE AS OF: 10-20-2014 : 100 %
Site 1 of 1	
DAMAGED FACILITY: Donated Resources - Snohomish County	COUNTY: Snohomish

LOCATION:	LATITUDE:	LONGITUDE:
PA-10-WA-4168-PW-00040(0): Snohomish County Current Version:	47.924048	-122.24387

DAMAGE DESCRIPTION AND DIMENSIONS:

PA-10-WA-4168-PW-00040(0):
On March 22, 2014, at approximately 1047 hours, a major landslide occurred on a hill above the North Fork of the Stillaguamish River near the town of Oso along SR 530, between MP 37 & 38. The resulting mudslide estimated to be approximately a mile wide by 400 ft. high, completely blocked and rechanneled the river's existing flow path, covered SR 530, cutting off access from either direction, and destroyed 44 homes and out buildings, displacing many residents in the process.

State Route 530, the primary access between the Towns of Arlington and Darrington, was completely cut off, damaged and covered by a wall of saturated toxic mud and debris, consisting of trees, rocks, damaged structures, and vehicles, septic tanks and effluent, propane tanks, miscellaneous chemicals, and other damaged and destroyed materials and equipment typically found in a residential area.

The resulting flood and debris field is approximately 1/2 mile wide by 3/4 mile long and up to 75 ft. deep in various locations, consisting of approximately 15 million CY of debris, and covered an area of about 1.0 square mile.

Note: GPS coordinates were taken at the Snohomish Co. DEM office at 720 80th St. SW, Bldg. A, Everett, WA. 98203.

Current Version:

SCOPE OF WORK:

PA-10-WA-4168-PW-00040(0):
Work Completed:

Beginning on March 22, 2014 and continuing through September 21, 2014, Snohomish County received donations from private citizens and businesses from across the country to aid in the response, rescue and recovery of victims of the Oso Landslide Event.

Donations were collected at multiple locations from which operations were conducted. The County coordinated operations on both the East and West sides of the slide. On the East side, locations included the Town of Darrington, the Darrington Fire Station, Community Center, Ranger Station, Food Bank, High School, Clinic, Town Hall, Fairgrounds and the Incident Command Center adjacent to the east side of the

slide on Hwy 530.

The County coordinated operations on the West side of the slide area from numerous locations in the Town of Oso, including but not limited to, the Fire Station, local church, privately owned properties and the Incident Command Center adjacent to the west side of the slide on Hwy 530. All of these locations were recipients of donations of labor, materials, food and services. Documentation of the donations were primarily made using pen and paper under austere conditions and were later transferred to digital spreadsheets by volunteers who were involved in the management of volunteers and the collection and distribution of donations. The spreadsheets are the primary record for donations. Some sign-in sheets exist but in most cases they signed in digitally.

Volunteer labor came from 13 sources. A fringe benefit rate of 45.1% was applied throughout all rates (see Tab 1). All spreadsheets created by the volunteer management effort were cross-checked for duplications and none were found. Original hand written sign in sheets are in Tab 3.

Snohomish Volunteer Civilian Search and Rescue (SVCSAR) donated 5044.5 hours with a value of $255,971.80. Rates were derived from comparable positions in Snohomish County, (attached to sign-in spreadsheet). Their primary duty involved searching the debris field for victims. (See Section V1 of Attachment A and Tab 2 for SAR activity reports).

Debris Field volunteers from the Oso. WA side accounted for 6113 hours with a value of $182,543.84. A rate of $29.86 ($20.58 + .451% fringe) was used and derived from a Landfill Laborer Snohomish County job description. Their primary duty involved searching the debris field for victims. (Section V2 of Attachment A).

City of Bellevue donated a portion of the labor costs associated with manning the Snohomish County EOC valued at $34,170.64. (See Section V3 of Attachment A).

Food Service Volunteers from the Oso, WA. side accounted for 1297 hours with a value of $20,475.58. A standard wage of $10.88 was applied which is the base starting wage for a basic laborer/food service worker in the county. Their primary duty was food preparation and distribution to the volunteers working at and supporting the search and rescue efforts. (Section V4 of Attachment A).

Food Service Volunteers from Darrington, WA. side accounted for 3078.25 hours donated with a value of $48,595.96. A standard wage of $10.88 was applied which is the base starting wage for a basic laborer/food service worker in the county. (Section V5 of Attachment A).

Green Cross and the Comfort Dog Teams donated both hours, travel costs and lodging costs to the effort valued at $78,303.76. They primarily provided counseling and comfort dogs to debris field workers, volunteers and EOC members. (Section V6 of Attachment A).

City of Auburn donated the hours they manned the County EOC for a total of 187.5 hours valued at $6,368.25. Their regular wages were used as a baseline pay since they performed similar duties as they would in their own EOC. (See Sec. V7 / Attachment. A).

Donation Management Volunteers on the Darrington, WA. side donated a total of 2499 hours valued at $39,843.52. A standard wage of $10.88 was applied which is the base starting wage for a basic laborer/food service worker in the county. Their primary duty was accounting for, management, documentation and assignment of volunteered labor and donated resources and materials. (See Section V8/Attachment A).

Senior Center Volunteers in Darrington, WA donated a total of 282 hours valued at $4,451.90. A standard wage of $10.88 was applied which is the base starting wage for a basic laborer/food service worker in the county. Their primary duty was caring for the elderly in the Senior Center when power and basic services were interrupted. Many full time workers were unable to get to work due to the road between Darrington and Arlington being out. As part of Incident Command (Support) in charge of all ops other than SAR activities – Emergency Worker registration, Shelters, Donated Resources, Shelters, Tribal, Medic, Mortuary Affairs, Logistics, and Security were areas within the IMT operations. As such, shelter ops were briefed daily. As part of shelter ops were the Senior Center as it was cut off from its medical and administrative staff support. The IMT (support) directed medical capable volunteers to ensure continuity of operations at the Senior Center in lieu of moving the shelter residents out of the affected area. The Senior Center became adjunct to the Darrington Shelter Operations Complex – (volunteers, shelter, fairgrounds, senior center, tribe).(See Section V9, Attachment A).

Darrington Community Center Volunteers donated a total of 1958.5 hours valued at $30,918.60. A standard wage of $10.88 was applied which is the base starting wage for a basic laborer/food service worker in the county. The Community Center served as a base of operations for much of the Incident Management Team and National Guard. Volunteers provided administrative, clerical, labor, maintenance, and food services to those managing the recovery effort from the Community Center. (See Section V10, Attachment A).

Darrington Youth Volunteer Force donated a total of 2359.2 hours valued at $37,244.41. The Youth Volunteer Force covered everything from Debris Field help to food preparation and distribution. A standard wage of $10.88 was applied which is the base starting wage for a basic laborer/food service worker in the county. (See Section V11, Attachment A).

Darrington Resource Center Volunteers donated a total of 915.5 hours valued at $14,452.89. Volunteers handled phone calls, managed volunteers, and assisted in resourcing requests for assistance and information. A standard wage of $10.88 was applied which is the base starting wage for a basic laborer/food service worker in the county. (See Section V12, Attachment A).

Debris Field Volunteers from Darrington, WA. side donated a total of 5450.75 hours valued at $162,768.01. A flat rate $20.58/hr. was used and derived from a Landfill Laborer Snohomish County job description. Their primary duty involved searching the debris field for victims. (See Section V13, Attachment A).

Microsoft Volunteers donated 618 hours of technical assistance valued at $36,219.58 to the EOC and its satellite stations (See Section V14, Attachment A).

City of Seattle donated 2076.25 hours of staff assistance to the EOC valued at $176,757.27. (See Section V15, Attachment A).

Boeing donated two HAZMAT vehicles and 1676*hours valued at $100,135.11. (See Section V16, Attachment A).

City of Everett donated 147 hours valued at $9,167.53. (See Section V17, Attachment A).

Donated Materials and Food Collections were received at several locations on both sides of the landslide. Over the course of several months of recovery, all donations of food, clothing, equipment, expendable supplies were distributed out to recovery workers and volunteers working the recovery effort on the debris field, workers in the command centers, and to needy families whose supplies, income and basic quality of life had been severely affected by the landslide. There were no materials, food or equipment left over after the collection centers were closed. Everything was distributed or, if contaminated after use in the debris field, disposed of. Total material donations amounted to $1.175.685.76.

Itemized donations at specific collection centers:

Darrington Individual and Private Business donations valued at $231,584.87. (Section M1, Attachment B).

Darrington Fire Department Collection Station collected donations valued at $151,809.50. The list of donations was consolidated into a digital format by the Station secretary. (Section M2, Attachment B).

Darrington Horse Owners Association collected donations valued at $218,478.81. An itemized list of 261,721 pounds of pet and animal food was collected. The donations were items on donation slips and hand written spreadsheets. Sample costs of dog, cat, horse, chicken, and other pet foods were collected and averaged. A 25% sample of all the donation slips was then collected and percentages were developed to apply against the gross poundage of donations. Value estimates were derived using this data applied against the average cost and estimated weight of each category for food. (Section M3, Attachment B).

Darrington Food Bank collected and distributed food donations valued at $110,948.50. (Section M4, Attachment B).

Snohomish County EOC collected one donation of office supplies from Staples valued at $191.41 and another donation from Motorola of batteries, charging stations and accessories valued at $34,717.54. (Section M5 and M8, respectively, Attachment B).

Oso Fire Station Collection Center received donations valued at $235,628.09 and a separate donation from the Patagonia Clothing Company of rain gear valued at $185,484.00. All of the gear was distributed out to volunteers and rescue personnel working the debris field. (Section M6 and M7, respectively, Attachment B).

Incident Command Post on the West Side of the Slide received a donation of trusses and plywood valued at $4,532.92. The trusses and plywood were laid across the debris field so workers could walk across the mud which was like quicksand. (Section M9, Attachment B).

All donated material, equipment, food, clothing and expendable supplies were distributed in total, consumed, or disposed of after contamination in the debris field.

Donated Equipment Time on the Debris Field amounted to $28,661.19.

*****FEMA QAQC made the following deductions
$110,948.50 for the distribution of food to needy families and $500 for stuffed Easter eggs as neither of these activities can be related to PA eligible emergency work. Total Deduction = $111,448.50.*******

HAZARD MITIGATION MEASURES: Project was reviewed for 406 Hazard Mitigation and determination was made that the work was emergency work and not needed.

DIRECT ADMINISTRATIVE COSTS: The sub-grantee is not requesting direct administrative costs that are directly chargeable to this specific project.

RECORD RETENTION: Complete records and cost documents for all approved work must be maintained for at least 6 years from the date the last project was completed or from the date final payment was received, whichever is later.

DOCUMENTATION REVIEW: 10% or more sampling of the documentation was reviewed/validated and found to be complete and reasonable by the FEMA project specialist. If applicable, copies of applicant's pertinent pre-disaster policies, invoices, cancelled checks (or other proofs of payment) were reviewed and samples of payroll data are attached.

PROCUREMENT: If applicable to this project. 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 applicant must obtain all required federal, state, and local permits prior to the commencement of work.

09/15/2015-Due to an error in the Final Review OLA Review for PW 39, this PW is a duplicate of the previous PW 39, and PW 39 was reduced to zero. K.Madland

Current Version:

Does the Scope of Work change the pre-disaster conditions at the site? ☐ Yes ☑ No	Special Considerations included? ☐ Yes ☑ No
Hazard Mitigation proposal included? ☐ Yes	Is there insurance coverage on this facility? ☐ Yes ☑ No

☑ No

PROJECT COST					
ITEM	**CODE**	**NARRATIVE**	**QUANTITY/UNIT**	**UNIT PRICE**	**COST**
		*** Version 0 ***			
		Work Completed			
1	9025	Donated Resources	1/LS	$ 1,064,237.26	$ 1,064,237.26
2	9022	Volunteer Labor	1/LS	$ 1,239,902.11	$ 1,239,902.11
3	9023	Donated Equipment	1/LS	$ 28,661.19	$ 28,661.19
4	9999	Cost Share Adjustment to 100% Federal	1/LS	$ 777,600.19	$ 777,600.19
				TOTAL COST	$ 3,110,400.75

PREPARED BY Anthony B Clark	TITLE State Program Manager	SIGNATURE
APPLICANT REP. Owen Carter	TITLE County Engineer	SIGNATURE