

Organization / Agency Information

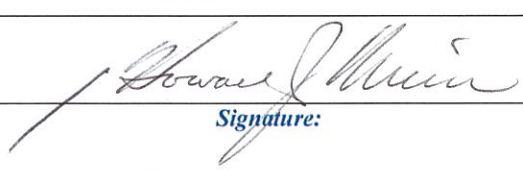
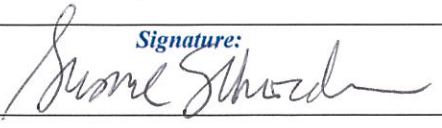
Organization/Agency Name: Grand Canyon Association		
Physical Address: 1824 S. Thompson St., Ste. 205, Flagstaff, AZ 86001		City/State/Zip
Mailing Address: P.O. Box 399, Grand Canyon, AZ 86023		City/State/Zip
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Project Information

Type of Project: ☐ New Trail Construction ☒ Maintenance and/or Restoration of Existing Trails

Program/Project Name: Grand Canyon Trail Restoration		Amount of Grant Requested: \$100,000	
Name of Trail(s) Affected: South Kaibab Trail		Location: Grand Canyon National Park	
Total Organization Budget: \$11,276,933	Per 990, Percentage of Program Service Expenses (Column B/ Column A x 100): 75.3%	Per 990, Percentage of Management & General Expenses Only (Column C/ Column A x 100): 17.2%	Per 990, Percentage of Management & General Expenses and Fundraising (Column C+D / Column A x 100): 24.7%
Purpose of Grant Request (one sentence): Support for Arizona Conservation Corps youth to maintain backcountry trails at Grand Canyon National Park.			
Project Start Date (Month and Year): April 2017		Project End Date (Month and Year): March 2018	

Signatures

Board President / Chair: (Print name and Title) Howard Weiner, Board Chair	Signature: 	Date: 01.19.17
Executive Director/President: (Print name and Title) Susan Schroeder, CEO	Signature: 	Date: 1/19/17

2017 S.L. Gimbel Foundation Fund APPLICATION

Narrative

I. Organization Background

A) *What are the history, mission and/or purpose of your organization? How long has the organization been providing programs and services to the community?*

Founded in 1932, Grand Canyon Association (GCA) works to inspire people to protect and enhance Grand Canyon National Park for present and future generations. GCA is the official nonprofit partner of Grand Canyon National Park, raising private funds to benefit the park, operating retail shops and visitor centers within the park, providing premier guided educational classes, hikes and tours about the natural and cultural history of the region, and offering general-audience publications. GCA delivers critical assistance for specific park projects and initiatives that enhance the visitor experience and preserve the park for generations to come.

B) *What are some of your past organizational accomplishments (last three years)?*

Bright Angel Trailhead Restoration: Grand Canyon Association helped to create a welcoming entryway to one of the world's premier hiking trails. The new plaza includes restrooms, benches, and water filling stations. This project inspired our Trails Forever endowment fund.

Trails Forever: GCA established a permanent Trails Forever endowment to provide funds for the improvement and maintenance of trails within the park. The endowment is a new initiative and continued fundraising efforts are underway to build a reliable source of income for trail restoration.

Desert View Watchtower: is a unique seven-story stone tower designed by architect Mary Colter in 1932 "to introduce the depths of native culture to the traveler." The 80-foot tower is filled with stunning murals of Hopi life. GCA is proud to provide financial support to and work with the Inter-tribal Advisory Council to conserve this historic building and transform this area into a cultural center.

Greenhouse: GCA members and donors helped fund a new energy-efficient greenhouse to double the capacity to propagate native seeds and replant natural habitats throughout the park. This will allow better management of invasive species throughout the canyon.

Demonstration Garden: introduces visitors to the area's native plants. The new garden will show visitors the beauty of our natural landscape.

Protecting the Night Sky: Grand Canyon recently received provisional certification as an International Dark Sky Park. GCA supported an inventory of every light bulb and fixture in the park which is home to 2,500 residents. The process of retrofitting old fixtures and bulbs with state-of-the-art lighting that doesn't pollute the night sky will begin in 2017.

C) *What are your key programs and activities? Describe the communities you serve. Include populations, geographic locations served, and relevant statistics.*

Grand Canyon National Park spans 1.2 million acres and hosts six million visitors annually. In addition to visitors from around the world, there are eleven traditionally associated American Indian tribes that call Grand Canyon home. Grand Canyon is among the Seven Natural Wonders of the World and a UNESCO World Heritage Site.

Grand Canyon Association (GCA) supports several historic buildings located within the park, including Kolb Studio. Built in 1904, the building contains an exhibit venue, bookstore, and information center operated by GCA.

Desert View Watchtower This National Historic Landmark provides a gathering place for public cultural demonstrations, celebrations, elder and youth programs, and authentic tribal interpretive programs. Last year 500,000 people visited Desert View Watchtower.

The Grand Canyon Association Field Institute works closely with the National Park Service to provide educational opportunities that complement the park's interpretive efforts. The field institute offers classes led by expert instructors, serving 3,000 participants annually. Classes include guided day hikes and tours, overnight backcountry treks, and rim-based learning adventures.

GCA's roots are deeply embedded in extending the educational mission of the park about the Grand Canyon's rich geology, human history and wildlife. GCA's publishing program works with topic experts to develop books and other materials on themes that focus on the Grand Canyon and the Colorado Plateau. Youth education programs supported by Grand Canyon Association include field trips, distance-learning programs, classroom visits by NPS rangers, the Junior Ranger program and more. These youth programs reach more than 20,000 youth annually, and set the stage for a lifelong appreciation of nature.

The NPS Preventive Search and Rescue team and volunteers provide assistance and advice to hikers on the trail. Each year, volunteers and ranger staff speak to approximately 100,000 people on the trail, making about 25,000 preventive actions annually.

II. Project Information:

A) Statement of Need

1. Specify the need you want to address and are seeking funds for.

Trails have been the pathways into the heart of Grand Canyon for thousands of years. Native Americans, explorers, miners, and early tourism entrepreneurs created and used a network of trails to explore the canyon below the rim. Today, backpackers and hikers use the trail system to access the many natural and historic treasures in the canyon. Visitation at Grand Canyon continues to rise, with a record breaking six million visitors this year. Increased visitation means that trail use is at an all-time high.

Those who have stepped into the canyon know that canyon trails are more than mere pathways; they are conduits to places of solitude, challenge and personal discovery. Grand Canyon trails create experiences that will be remembered for a lifetime. Without regular maintenance, trails can be difficult to navigate, sometimes even potentially unsafe. Grand Canyon National Park and Grand Canyon Association work hard to make sure that canyon trails meet designated standards to provide the opportunity for such experiences.

Trail maintenance is a continuous challenge; trail degradation takes place on a daily basis. The erosional processes that originally formed Grand Canyon are still active today. The effects of wind, water, hiker and mule traffic all contribute to trail deterioration. In an environment noted for spectacular views of erosion at work, and where an individual trail may experience over 100,000 visitors a year trail work is challenging. Resources are continually required in order to maintain trails.

Much of the canyon is wilderness and almost all work must be done with manual labor and the help of mules. These challenges provide opportunities to work with youth groups that can benefit from experiences working in this demanding environment. Requested funds will be used to support youth conservation groups focused on critical trail work.

Trail restoration is one of Grand Canyon National Park's highest priorities as it is integral to visitor enjoyment, safety and historic preservation efforts. Park visitors continue to access these unique and sensitive areas, however due to diminishing park budgets and appropriated Congressional funding; maintenance activity has been prioritized for only the most heavily trafficked areas, mainly the corridor trail system. Support from public/private partnerships is vital to Grand Canyon's overall trail preservation program.

B) Project Description

- 1. Describe your project. How does your project meet the need? What are you trying to accomplish? Is it a stand-alone trail project or part of a larger, ongoing project? Has compliance been done on the project (shovel ready) or would the funds be used to complete or offset compliance?*

Grand Canyon Association seeks to employ a youth work crew from Arizona Conservation Corps (AZCC). This trial crew will have the additional certifications in chainsaw training required to assist Grand Canyon National Park in completing a critical trail maintenance project, rehabilitating the historic South Kaibab Trail.

Considered a backcountry trail, the South Kaibab Trail is one of the most developed, highly managed, and highly visited trails within the Grand Canyon National Park rim to rim corridor trail system, with an estimated 300 to 500 hikers per day. In addition, approximately 20,000 commercial stock rides travel the South Kaibab every year. This constant traffic flow combined with frequent severe weather events such as flooding monsoon rains and freeze/thaw erosion in winter, creates extremely unsafe conditions for hikers and livestock. Collapsed retaining walls, washouts, and loss of surface tread, the maintenance requirements for the South Kaibab trail are unrelenting.

The Trails Program has requested the assistance of a combination trail and chainsaw crew because of the unique needs of working on canyon trails. In order to rapidly repair damage and other unsafe conditions as they occur, the trail crews are constantly in need of staple materials such as stone, soil, and juniper poles. In addition, trail repair work within Grand Canyon must be accomplished by using locally sourced, NEPA-compliant materials. Stone and fill are obtained from approved barrow pits located within the park, and juniper poles are harvested from neighboring forests. A combination crew is essential precisely because they are trained to assist in trail reconstruction, but also have the advanced chainsaw training of forestry technicians. This allows one team to complete two crucial functions of the work: reconstructing segments of trail, and harvesting the timber to restock what was used in that reconstruction.

The benefit to hiring established Conservation Corps crews lies soundly in the training these crews receive as members of a nationally accredited program. All crews receive basic training in camping skills, public service, safety and first aid to prepare them for demanding field work. Building on that base, crews then receive advance training in tools, techniques, ecosystems, terrain, and recreation which they apply to their projects in the field. Arizona Conservation Corps leads the country in the breadth of environmental training for their corps members, from deserts and canyons to high mountain terrain, from the most basic trail work skills to advanced mechanical tools and technical forestry.

GCA seeks support from the S.L. Gimbel Foundation to help hire an Arizona Conservation Corps crew for 14 weeks of trail reconstruction and timber harvest work.

C) Project Goal, Objectives, Activities and Expected Outcomes

GOAL: The goal for this grant is to further demonstrate our commitment to providing meaningful educational and work opportunities to young people through the 21st Century Conservation Service Corps (21CSC), while meeting the critical maintenance needs of one of the country's most beloved national park trails.

Objective: Trail repair will take place over the course of 14 weeks beginning in the fall of 2017. Crews will work within a three mile segment of trail, at clearly identified sections of the South Kaibab trail where NEPA and NHPA compliance is complete, and routine condition assessment of the trail has identified the most critical repair needs.

Activities: Typical trail work will include restoring collapsed retaining walls, recreating tread, cleaning out water bars and ditches, installing rip rap, repairing mule inflicted damage, brushing, installing water checks and rock steps, repairing erosion damage, and securing juniper cribs to trail in preparation for backfill. Tools, equipment and materials are hiked to jobsites, assisted by the NPS mule team. Crews will use a range of tools including pionjars, rebar, cross-cut saws and gas-powered chainsaws, rock drills and wood drills, and hand tools.

All work will meet Grand Canyon National Park's Class IV Stock Trail design standards for grade, pitch, trail width, cross-slope, and material makeup. Crews may also be used to complete trail assessments and surveys, or for other tasks to be assigned at the mutual discretion of AZCC and the Grand Canyon Trail Crew Supervisors. Juniper harvesting would take place under an existing cooperative inter-agency agreement with neighboring Kaibab National Forest.

Expected Outcomes: Project planning and environmental compliance has estimated this crew would repair between 3,000 and 5,000 linear feet of trail, using approximately 500 juniper logs, 1,000 feet of rebar, 3,500 cu. feet of fill material, and 500 sq. feet of Kaibab Limestone. The two-week harvest portion of the project ensures some or all of the juniper logs used on this project would be replaced in the NPS Trail Program material stockpile, which must be maintained for future projects.

Grand Canyon National Park's partnership with Conservation Legacy supports two goals: the park is able to meet critical resource protection needs while investing in young people who will assume the future stewardship for our public lands and natural areas. The mission of Conservation Legacy is to "develop lifetime leaders in the public lands management field." Through the partnership with NPS they are able to meet that mission with a hands-on approach, working side-by-side with dedicated professionals, in the most effective and efficient manner in which to build that leadership.

Evaluation: The program outcome is intended to be mutually beneficial to both Grand Canyon National Park in the stewardship of park resources, and in providing regional youth with challenging work in skilled trades and conservation, that encourages personal growth and development, steady employment and educational credit through the national AmeriCorps program.

Progress will be measured in several ways. For project completion, on-the-ground, continuous assessments of the project will occur in compliance with the Grand Canyon National Park Class IV Trail Standards Guidance (available for review). It is estimated this crew would repair between 3,000 and 5,000 linear feet of trail. At the end of every comprehensive trail project the Trails Program Manager produces an After Action Report on the project which will detail the accomplishments of the project and explain any deviation from proposal estimates.

AZCC will ensure compliance with the tenets of parent organization Conservation Legacy, accounting for all accomplishments through the annual report produced for the National Park Service. The 2015 Annual Report can be found here:

D) Timeline

Provide a timeline for implementing the project. State the starting date and ending date of the project, include timeframes for specific activities, as appropriate.

The project will run 14 weeks, beginning in the fall of 2017. During the 14 weeks, the AZCC crew will report directly to Grand Canyon Trail Crew supervisors for work on the South Kaibab Trail. Initially, teams will identify and assess trail conditions in the first three miles of the South Kaibab Trail from the trailhead located on the South Rim. This assessment will identify the most urgent rehabilitation needs and produce a materials assessment to accomplish that work (e.g. cubic yards of fill, number of juniper logs, linear feet of trail to repair, etc.) and take approximately **one week**. After the prioritization of projects, the crew would then begin clearing loose rock and loose cribbing material, or deconstruct dry-masonry walls in preparation for replacement or repair. Materials removed during this phase would be stock piled on the trail for reuse, or would be hauled out of the canyon via mules. This portion of the work would take approximately **two weeks**.

Rebuilding and backfilling crib walls, placing log checks and stone steps, building retaining walls and repair of other constructed features would take approximately **nine weeks**. Finally, the last **two weeks** of the crew's rotation would be spent at predetermined transects of the Kaibab National Forest where they would harvest juniper trees. The rough logs would be brought back to the material stockpile, where the poles are then cut to a specified length, peeled of bark, and stacked for drying.

E) Target Population

Who will benefit from this grant? How will the project directly benefit the visitor experience? How many people will be impacted? Provide a breakdown: Number of Children, Youth, Adults, Seniors.

Grand Canyon trails provide the opportunity for people of all walks of life, from seasoned backpackers to first time day-hikers, to travel through a landscape like no other in the United States. Because so many of the canyon's hikers are first-time or occasional trail users, Grand Canyon trails have the ability to benefit a diverse population and gain widespread appreciation. Hikers and backpackers comprise the vast majority of Grand Canyon trail users; however trails are also critical access ways for many other types of users (e.g. search and rescue teams, Native Americans accessing traditional cultural sites, individuals joining or hiking out from a river trip in progress).

Although annual estimates of trail use are difficult to quantify for trails not adjacent to staffed visitor service stations, it is known that over 100,000 people day-hike the Bright Angel Trail alone. The most recent data estimates 98,000 backcountry user nights, and more than 20,000 mule trip riders last year.

F) Youth/Young Adult Engagement, Volunteers, Community Partners

Are you engaging and/or employing youth/young adults in this project (i.e. Youth Conservation Corps, Public Land Corps, etc.) If so, describe in detail their involvement in the project. How are you utilizing volunteers and/or community partners, if any?

Working with local youth development and conservation groups, this project will restore a historic trail while developing a skilled workforce. Grand Canyon National Park is committed to providing educational and work opportunities to young people through a partnership with the 21st Century Conservation Service Corps (21CSC). In Arizona, the member organization for 21CSC is the Arizona Conservation Corps (AZCC), an accredited organization providing young adults with challenging service-based work opportunities and AmeriCorps educational programs. At Grand Canyon, AZCC places crews throughout the park year round to support the NPS mission of natural and cultural resource stewardship.

Grand Canyon Association seeks support to hire Arizona Conservation Corps crews for trail work. Youth crews work under the supervision of existing National Park Service employees. Once youth workers complete 650 minimum hours of service, they qualify for preferred hiring status with the federal government. It is our hope that the skills these individuals learn and the experiences they gain on a trail system that many consider to be a national treasure, will give them a greater appreciation of our natural world and lead a significant number to find careers in conservation.

G) Use of Grant Funds and Leveraging

How will you use the grant funds? Does the park have the ability to leverage the grant through matching funds?

Funds will be used to support Arizona Conservation Corps crews for trail work on the South Kaibab Trail and forestry work in the Kaibab National Forest. Each year Congress appropriates funds for the operation of the National Park Service. A portion of the funding is directed to trail restoration and maintenance, which includes purchasing materials, inter-agency agreements, and the care and handling of livestock to support the Trails Program. Because of an extensive, service-wide backlog in deferred facility maintenance, appropriated funds are often insufficient and most of that funding is diverted to critical infrastructure repairs, such as the Trans-Canyon Waterline at Grand Canyon. As a result, the park relies heavily on partnerships such as with GCA, to support the cyclic maintenance needs of many trails. Trail restoration is a key focus area of GCA's philanthropic requests.

The project will be funded with matching funds from Grand Canyon Association, the park's official nonprofit partner, and National Park Service funds.

III. Project Future

A) Sustainability

Explain how you will support this project after the grant performance period. Include plans for fundraising or increasing financial support designated for the project.

Congressional appropriations are expected to continue in the coming years, though they may be reduced. GCA is committed to supporting Grand Canyon trail work in the future. To meet the ongoing need, GCA established a permanent Trails Forever endowment fund that seeks contributions and bequests from supporters who understand that an investment today ensures that future generations are able to care for these ancient and beloved passageways into the canyon. Trails Forever funds will be invested in perpetuity while investment returns provide reliable annual support for the improvement and maintenance of the trails within in the park. Annual fundraising programs are also employed by GCA to encourage private donations from members and donors to support trail work.

IV. Governance, Executive Leadership and Key Personnel/Staff Qualifications

A) Governance

Describe your board of directors and the role it plays in the organization. What committees exist within your board of directors? How does the board of directors make decisions?

The Grand Canyon Association Board of Directors formulates policies and directs its activities through the Chief Executive Officer and other staff. The Board adopts rules and regulations for the conduct of their meetings and the management of GCA. Board members also serve as active ambassadors for GCA, helping to promote our mission. There are five board committees: Audit & Compliance, Executive, Philanthropy, Finance, and Governance. The board's philanthropic oversight is directed through several key policies including gift acceptance, endowment, and investment. The Chief Executive Officer carries out the day-to-day business of GCA, the policies and programs established by the Board, the standards and guidelines issued by NPS, and serves at the pleasure of the Board as a salaried employee.

B) Management

Describe the qualifications of key personnel/staff responsible for the project.

The Grand Canyon National Park Trails program maintains and monitors over 400 miles of inner-canyon trails. Managed under the park's Facilities Maintenance Division, employees responsible for Grand Canyon trails maintenance are among the most experienced and highly trained of the National Park Service.

Donald Curnutt serves as Grand Canyon's Chief of Facilities Management and Engineering, overseeing the park's Trails Program. Don's wealth of experience across multiple federal agencies, and in private sector consulting brings an array of accomplishments as a leader and trainer. His experience ranges from forest engineer to facilities manager which includes trails, roads, fleet and water systems. Don holds an MS in Civil Engineering, Water Resources from the University of Colorado, Boulder and a BS in Agricultural Engineering from New Mexico State University.

William Allen, Trails Supervisor, has worked for Grand Canyon for more than 20 years and is responsible for oversight of all trail maintenance activities. Bill is in charge of a \$4 million annual budget that includes the management of backcountry trails, the South Rim Village Greenway and Rim trails, the North Rim Village, Desert View, the Livestock Program, Grand Canyon School walkways maintenance, snow removal for all village trails, ADA compliance for developed areas, and a host of other projects. In addition, the Trails Program manages between 3 to 5 conservation corps groups from various non-profits, operating in 12-16 week "hitches" running concurrently, assigned to every corner of the park. Bill's extensive experience in the oversight and training required to employ youth conservation corps is a critical component of the continued and successful partnership between Grand Canyon and AZCC.

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Trail maintenance is a continuous challenge; trail degradation takes place on a daily basis. The erosional processes that originally formed Grand Canyon are still active today. The effects of wind, water, hiker and mule traffic all contribute to trail deterioration. In an environment noted for spectacular views of erosion at work, and where an individual trail may experience over 100,000 visitors a year trail work is challenging. Resources are continually required in order to maintain trails.

Much of the canyon is wilderness and almost all work must be done with manual labor and the help of mules. These challenges provide opportunities to work with youth groups that can benefit from experiences working in this demanding environment. Requested funds will be used to support youth conservation groups focused on critical trail work.

Trail restoration is one of Grand Canyon National Park's highest priorities as it is integral to visitor enjoyment, safety and historic preservation efforts. Park visitors continue to access these unique and sensitive areas, however due to diminishing park budgets and appropriated Congressional funding; maintenance activity has been prioritized for only the most heavily trafficked areas, mainly the corridor trail system. Support from public/private partnerships is vital to Grand Canyon's overall trail preservation program.

B) Project Description

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Grand Canyon Association seeks to employ a youth work crew from Arizona Conservation Corps (AZCC). This trial crew will have the additional certifications in chainsaw training required to assist Grand Canyon National Park in completing a critical trail maintenance project, rehabilitating the historic South Kaibab Trail.

Considered a backcountry trail, the South Kaibab Trail is one of the most developed, highly managed, and highly visited trails within the Grand Canyon National Park rim to rim corridor trail system, with an estimated 300 to 500 hikers per day. In addition, approximately 20,000 commercial stock rides travel the South Kaibab every year. This constant traffic flow combined with frequent severe weather events such as flooding monsoon rains and freeze/thaw erosion in winter, creates extremely unsafe conditions for hikers and livestock. Collapsed retaining walls, washouts, and loss of surface tread, the maintenance requirements for the South Kaibab trail are unrelenting.

The Trails Program has requested the assistance of a combination trail and chainsaw crew because of the unique needs of working on canyon trails. In order to rapidly repair damage and other unsafe conditions as they occur, the trail crews are constantly in need of staple materials such as stone, soil, and juniper poles. In addition, trail repair work within Grand Canyon must be accomplished by using locally sourced, NEPA-compliant materials. Stone and fill are obtained from approved barrow pits located within the park, and juniper poles are harvested from neighboring forests. A combination crew is essential precisely because they are trained to assist in trail reconstruction, but also have the advanced chainsaw training of forestry technicians. This allows one team to complete two crucial functions of the work: reconstructing segments of trail, and harvesting the timber to restock what was used in that reconstruction.

The benefit to hiring established Conservation Corps crews lies soundly in the training these crews receive as members of a nationally accredited program. All crews receive basic training in camping skills, public service, safety and first aid to prepare them for demanding field work. Building on that base, crews then receive advance training in tools, techniques, ecosystems, terrain, and recreation which they apply to their projects in the field. Arizona Conservation Corps leads the country in the breadth of environmental training their corps members receive, from deserts and canyons to high mountain terrain, from the most basic trail work skills to advanced mechanical tools and technical forestry.

GCA seeks support from the Gimbel Foundation to help hire an Arizona Conservation Corps crew for 14 weeks of trail reconstruction and timber harvest work.

C) Project Goal, Objectives, Activities and Expected Outcomes

Goal: The goal for this grant is to further demonstrate our commitment to providing meaningful educational and work opportunities to young people through the 21st Century Conservation Service Corps (21CSC), while meeting the critical maintenance needs of one of the country's most beloved national park trails.

Objective I:

Trail repair will take place within a three mile segment of trail, at clearly identified and assessed sections of the South Kaibab trail where NEPA and NHPA compliance is complete. Based on a similar trail project completed recently, it is estimated this crew would repair between 3,000 and 5,000 linear feet of trail, using approximately 500 juniper logs, 1,000 feet of rebar, 3,500 cu. feet of fill material, and 500 sq. feet of Kaibab Limestone. The juniper logs used on this project would then be restocked through a timber harvest to restore the NPS Trail Program material stockpile.

Activities:

Typical trail work will include restoring collapsed retaining walls, recreating tread, cleaning out water bars and ditches, installing rip rap, repairing mule inflicted damage, brushing, installing water checks and rock steps, repairing erosion damage, and securing juniper cribs to trail in preparation for backfill. Tools, equipment and materials are hiked to jobsites, assisted by the NPS mule team. Crews would use a range of tools including pionjars, rebar, cross-cut saws and

gas-powered chainsaws, rock drills and wood drills, and hand tools. All work will meet Grand Canyon National Park's Class IV Stock Trail design standards for grade, pitch, trail width, cross-slope, and material makeup.

Crews may also be used to complete trail assessments and surveys, or for other tasks to be assigned at the mutual discretion of AZCC and the Grand Canyon Trail Crew Supervisors.

Juniper harvesting would take place under an existing cooperative inter-agency agreement with neighboring Kaibab National Forest.

Expected Outcomes:

D) Timeline

Provide a timeline for implementing the project. State the starting date and ending date of the project, include timeframes for specific activities, as appropriate.

For 14 weeks, the AZCC crew would report directly to Grand Canyon Trail Crew supervisors for work on the South Kaibab Trail. Initially, teams will identify and assess trail conditions in the first three miles of the South Kaibab Trail from the trailhead located on the South Rim. This assessment would identify the most urgent rehabilitation needs and produce a materials assessment to accomplish that work (e.g. cubic yards of fill, number of juniper logs, linear feet of trail to repair, etc.) and take approximately **one week**. After the prioritization of projects, the crew would then begin clearing loose rock and loose cribbing material, or deconstruct dry-masonry walls in preparation for replacement or repair. Materials removed during this phase would be stock piled on the trail for reuse, or would be hauled out of the canyon via mules. This portion of the work would take approximately **two weeks**.

Rebuilding and backfilling crib walls, placing log checks and stone steps, building retaining walls and repair of other constructed features would take approximately **nine weeks**. Finally, the last **two weeks** of the crew's rotation would be spent at predetermined transects of the Kaibab National Forest where they would harvest juniper trees. The rough logs would be brought back to the material stockpile, where the poles are then cut to a specified length, peeled of bark, and stacked for drying.

E) Target Population

Who will benefit from this grant? How will the project directly benefit the visitor experience? How many people will be impacted? Provide a breakdown: Number of Children, Youth, Adults, Seniors.

Grand Canyon trails provide the opportunity for people of all walks of life, from seasoned backpackers to first time day-hikers, to travel through a landscape like no other in the United States. Because so many of the canyon's hikers are first-time or occasional trail users, Grand Canyon trails have the ability to benefit a diverse population and gain widespread appreciation. Hikers and backpackers comprise the vast majority of Grand Canyon trail users; however trails are also critical access ways for many other types of users (e.g. search and rescue teams, Native

Americans accessing traditional cultural sites, individuals joining or hiking out from a river trip in progress).

Although annual estimates of trail use are difficult to quantify for trails not adjacent to staffed visitor service stations, it is known that over 100,000 people day-hike the Bright Angel Trail alone. The most recent data estimates 98,000 backcountry user nights, and more than 20,000 mule trip riders last year.

F) Youth/Young Adult Engagement, Volunteers, Community Partners

Are you engaging and/or employing youth/young adults in this project (i.e. Youth Conservation Corps, Public Land Corps, etc.) If so, describe in detail their involvement in the project. How are you utilizing volunteers and/or community partners, if any?

Working with local youth development and conservation groups, this project will restore a historic trail while developing a skilled workforce. Grand Canyon National Park is committed to providing educational and work opportunities to young people through a partnership with the 21st Century Conservation Service Corps (21CSC). In Arizona, the member organization for 21CSC is the Arizona Conservation Corps (AZCC), an accredited organization providing young adults with challenging service-based work opportunities and AmeriCorps educational programs. At Grand Canyon, AZCC places crews throughout the park year round to support the NPS mission of natural and cultural resource stewardship.

Grand Canyon Association seeks support to hire Arizona Conservation Corps crews for trail work. Youth crews work under the supervision of existing National Park Service employees. Once youth workers complete 650 minimum hours of service, they qualify for preferred hiring status with the federal government. It is our hope that the skills these individuals learn and the experiences they gain on a trail system that many consider to be a national treasure, will give them a greater appreciation of our natural world and lead a significant number to find careers in conservation.

F) Evaluation

How will progress towards the objectives be tracked and outcomes measured?

The program outcome is intended to be mutually beneficial to both Grand Canyon National Park in the stewardship of park resources, and in providing regional youth with challenging work in skilled trades and conservation, that encourages personal growth and development, steady employment and educational credit through the national AmeriCorps program.

Progress will be measured in several ways. For project completion, on-the-ground, continuous assessments of the project will occur in compliance with the Grand Canyon National Park Class IV Trail Standards Guidance (available for review). It is estimated this crew would repair between 3,000 and 5,000 linear feet of trail. At the end of every comprehensive trail project the Trails Program Manager produces an After Action Report on the project which will detail the accomplishments of the project and explain any deviation from proposal estimates.

AZCC will ensure compliance with the tenets of parent organization Conservation Legacy, accounting for all accomplishments through the annual report produced for the National Park Service. (The 2015 Annual Report can be found here: <http://www.azcorps.org/partner/project-partners/>)

G) Use of Grant Funds and Leveraging

How will you use the grant funds? Does the park have the ability to leverage the grant through matching funds?

Funds will be used to support Arizona Conservation Corps crews for trail work on the South Kaibab Trail and forestry work in the Kaibab National Forest. Each year Congress appropriates funds for the operation of the National Park Service. A portion of the funding is directed to trail restoration and maintenance, which includes the purchasing of materials, inter-agency agreements, and the care and handling of livestock to support the Trails Program. Because of an extensive, service-wide backlog in deferred facility maintenance, appropriated funds are often insufficient and most of that funding is diverted to critical infrastructure repairs, such as the Trans-Canyon Waterline at Grand Canyon. As a result, the park relies heavily on partnerships such as with GCA, to support the cyclic maintenance needs of many trails. Trail restoration is a key focus area of Grand Canyon Association's philanthropic requests.

The project will be funded with matching funds from Grand Canyon Association, the park's official nonprofit partner, and National Park Service funds.

III. Project Future

A) Sustainability

Explain how you will support this project after the grant performance period. Include plans for fundraising or increasing financial support designated for the project.

Congressional appropriations are expected to continue in the coming years, though they may be reduced. GCA is committed to supporting Grand Canyon trail work in the future. To meet the ongoing need, Grand Canyon Association established a permanent Trails Forever endowment fund that seeks contributions and bequests from supporters who understand that an investment today ensures that future generations are able to care for these ancient and beloved passageways into the canyon. Trails Forever funds will be invested in perpetuity while investment returns provide reliable annual support for the improvement and maintenance of the trails within in the park. Annual fundraising programs are also employed by GCA to encourage private donations from members and donors to support trail work.

IV. Governance, Executive Leadership and Key Personnel/Staff Qualifications

A) Governance

Describe your board of directors and the role it plays in the organization. What committees exist within your board of directors? How does the board of directors make decisions?

The Grand Canyon Association Board of Directors formulates policies and directs its activities through the Chief Executive Officer and other staff. The Board adopts rules and regulations for the conduct of their meetings and the management of GCA. Board members also serve as active ambassadors for GCA, helping to promote our mission. There are five board committees: Audit & Compliance, Executive, Philanthropy, Finance, and Governance. The board's philanthropic oversight is directed through several key policies including gift acceptance, endowment, and investment. The Chief Executive Officer carries out the day-to-day business of GCA, the policies and programs established by the Board, the standards and guidelines issued by NPS, and serves at the pleasure of the Board as a salaried employee.

B) Management

Describe the qualifications of key personnel/staff responsible for the project.

The Grand Canyon National Park Trails program maintains and monitors over 400 miles of inner-canyon trails. Managed under the park's Facilities Maintenance Division, employees responsible for Grand Canyon trails maintenance are among the most experienced and highly trained of the National Park Service.

Donald Curnutt serves as Grand Canyon's Chief of Facilities Management and Engineering, overseeing the park's Trails Program. Don's wealth of experience across multiple federal agencies, and in private sector consulting brings an array of accomplishments as a leader and trainer. His experience ranges from forest engineer to facilities manager which includes trails, roads, fleet and water systems. Don holds an MS in Civil Engineering, Water Resources from the University of Colorado, Boulder and a BS in Agricultural Engineering from New Mexico State University.

William Allen, Trails Supervisor, has worked for Grand Canyon for more than 20 years and is responsible for oversight of all trail maintenance activities. Bill is in charge of a \$4 million annual budget that includes the management of backcountry trails, the South Rim Village Greenway and Rim trails, the North Rim Village, Desert View, the Livestock Program, Grand Canyon School walkways maintenance, snow removal for all village trails, ADA compliance for developed areas, and a host of other projects. In addition, the Trails Program manages between 3 to 5 conservation corps groups from various non-profits, operating in 12-16 week "hitches" running concurrently, assigned to every corner of the park. Bill's extensive experience in the oversight and training required to employ youth conservation corps is a critical component of the continued and successful partnership between Grand Canyon and AZCC.

2016 S.L. Gimbel Foundation APPLICATION

V. Project Budget and Narrative

A) **Budget Table:** Provide a detailed line-item budget for your **entire** project by completing the table below. Requested line items should be limited to Ten (10) line items. The less the better.

A breakdown of specific line item requests and attendant costs should include:

- 1) Line item requests for materials, supplies, equipment and others:
 - a. Identify and list the type of materials, supplies, equipment, etc.
 - b. **Specify the unit cost, number of units, and total cost**
 - c. Use a formula/equation as applicable. (i.e. 40 books @ \$100 each = \$4000)
- 2) Line item requests for staff compensation, benefits: **Do not use FTE percentages.**
 - a. Identify the position; for each position request, **specify the hourly rate and the number of hours** (i.e. \$20/hr x 20 hours/week x 20 weeks = \$8,000)
 - b. For benefits, provide the formula and calculation (i.e. \$8,000 x 25% = \$2,000)
- 3) Line items on Salaries/Personnel included in budget (contribution or in-kind) but NOT requested from the Gimbel Foundation must be broken down per number 2) above: Provide rate of pay per hour and number of hours.

Line Item Request	Line Item Explanation	Support From Your Agency	Support From Other Funders	Requested Amount From Gimbel/TCF	Line Item Total of Project
Salaries/Labor	See attached Cost Breakdown per week	\$15,982.58	\$58,608.90	\$61,186.28	\$135,777.76
Travel				\$7,728.00	\$7,728.00
Equipment Use					
Supplies		\$2,820.45		\$18,345.72	\$21,166.17
Chainsaw/fire additional supplies				\$12,740.00	\$12,740.00
Materials					
Printing					
Total Direct		\$18,803.03	\$58,608.90	\$100,000.00	\$177,411.93
Indirect		\$8,038.52			\$8,038.52
TOTALS:		\$26,841.55	\$58,608.90	\$100,000.00	\$185,450.45

B) Narrative: The budget narrative is the justification of “how” and/or “why” a line item helps to meet the project deliverables. Provide a description for each line item request as necessary. Explain how the line item relates to the project. If you are requesting funds to pay for staff, list the specific duties of each position. See attached SAMPLE Project Budget and Budget Narrative

Following is the Cost Breakdown of the proposed 8-person AZCC crew (provided by parent organization, Conservation Legacy) and an itemization and explanation of each of the Line Item Requests shown in the budget. The Cost Allocation methodology is the approved estimation tool used in Cooperative Agreements between the National Park Service and Conservation Legacy on all projects.

Conservation Legacy Cost Breakdown Per Week with In-Kind - Based on FY08-14 Audited Financials - Detail
(GCA Saw Crew)

Overall Summary of Standard Weekly Costs

Conservation Legacy (CL) uses a cost allocation approach to determine its set weekly costs for a crew working a full week including one-way travel time. This cost allocation approach is based upon detailed Cost Policy Statements, which are available for review. CL's independent auditors have agreed that a cost allocation approach is the only reasonable way for CL to document its expenses. Most of the supplies are purchased in bulk; vehicles, tools and gear are shared between crews; staff work with multiple crews across wide regions. The cost allocation methodology provides a consistent approach to determining true costs using the most common base of a 'crew week'. CL uses the average of its most recent audited financial statements to determine overall costs.

Item	Agency Share of the Costs	CL Match	In-Kind Match	Total
Salaries/Labor	4,370.45	1,141.61	4,186.35	9,698.41
Travel	552.00	-	-	552.00
Equipment Use	-	-	-	-
Supplies	2,220.41	201.46	-	2,421.87
Materials	-	-	-	-
Printing	-	-	-	-
Other	-	-	-	-
Indirect	-	-	574.18	574.18
Total Weekly Costs	7,142.86	1,343.07	4,760.53	13,246.46

Note 1: The following two pages provide a detailed breakdown of each line item in the standard weekly cost.

Conservation Legacy Cost Breakdown Per Week with In-Kind - Based on FY08-14 Audited Financials - Detail (GCA Saw Crew)

Salaries/Labor

Living allowances/wages for corpsmembers and crew leaders plus pro-rated share of wages for staff members. FICA at 7.65% of all wages; Unemployment insurance at approximately 1.35% of wages; Workers Compensation at average of 4.6%; Health insurance, dental insurance, vision insurance, long term disability insurance, wellness benefit and retirement for professional staff totaling approximately 13.5% of wages.

Position	Number	Average Daily Rate including benefits	Average Weekly Rate including benefits	Total	Agency Share of the Costs	CL Match	In-Kind Match	Total
Corpsmembers and Crew Leaders	8	71.98	359.90	2,879.23	2,879.23			2,879.23
Corpsmembers - in-kind	7	119.61	598.05	4,186.35			4,186.35	4,186.35
Executive Director	1	113.35	566.76	566.76	266.76	300.00		566.76
Program Director	1	79.71	398.54	398.54	198.54	200.00		398.54
Program Coordinator/Recruiter	3	55.00	275.00	824.99	633.38	191.61		824.99
CEO	1	35.03	175.16	175.16	25.16	150.00		175.16
COO	1	53.63	268.17	268.17	68.17	200.00		268.17
Regional Director	1	37.25	186.23	186.23	86.23	100.00		186.23
Workers Compensation (on all wages except in-kind wages)				212.98	212.98			212.98
Total Salaries/Labor					4,370.45	1,141.61	4,186.35	9,698.41

Note 1: Daily/Weekly rates for staff include only the portion of their salary & benefits tied to one week of work, not their full salary. Full salaries & benefits are included for corpsmembers and crew leaders.

Note 2: CL participants also provide an additional in-kind match based upon the difference between their living allowance and the value of their service as determined by Independent Sector. The in-kind match is the difference between the dollar value of volunteer time and the corpsmember living allowances plus FICA and UI.

Travel

Vehicle costs pro-rated of total costs for fuel, auto insurance, replacement/depreciation/other, registration fees and repairs/maintenance. Includes crew travel to/from worksites, staff transportation for pre-site meetings, project management visits to sites and other support travel (e.g. recruiting visits, tool purchase, etc.).

Item	Average Daily Cost	Average Weekly Cost	Total	Agency Share of the Costs	CL Match	In-Kind Match	Total
Replacement/Depreciation and other	28.87	144.36	144.36	144.36			144.36
Fuel	30.92	154.58	154.58	154.58			154.58
Auto Insurance	24.52	122.59	122.59	122.59			122.59
Vehicle Fees	2.59	12.94	12.94	12.94			12.94
Repairs and Maintenance	23.51	117.53	117.53	117.53			117.53
Total Travel				552.00	0.00	0.00	552.00

Conservation Legacy Cost Breakdown Per Week with In-Kind - Based on FY08-14 Audited Financials - Detail **(GCA Saw Crew)**

Equipment Use

Supplies

Supply costs pro-rated of total costs for uniforms, personal protective equipment, facilities, camp food, background searches, camp equipment, education supplies, education/training workshops, field communications, field supplies, first aid supplies, crew and staff incentives, outreach/recruiting/web/marketing, program development, staff training/development, supportive services, tools, facility, office supplies, postage, and printing/copying.

Item	Average Daily Cost	Average Weekly Cost	Total	Agency Share of the Costs	CL Match	In-Kind Match	Total
Camp food	36.04	180.18	180.18	180.18	0.00		180.18
Facilities/Operations Center/Office/Insurance	70.26	351.29	351.29	251.29	100.00		351.29
Corpsmember development, training, recruitment/orientation	5.84	29.19	29.19	29.19	0.00		29.19
Gear, tools, field supplies & communications	59.66	298.29	298.29	298.29	0.00		298.29
Specific chainsaw supplies for participants	76.50	382.48	382.48	382.48	0.00		382.48
Training for Participants (S212, fire, etc.)	105.50	527.52	527.52	527.52	0.00		527.52
Program Development and misc	130.58	652.92	652.92	551.46	101.46		652.92
Total Supplies				2,220.41	201.46	0.00	2,421.87

Materials

0

Printing

0

Other

0

Includes additional costs that do not fit in other categories.

Item	Average Daily Cost	Average Weekly Cost	Total	Agency Share of the Costs	CL Match	In-Kind Match	Total
Total Other				0	0	0	0

Indirect

0

Indirect as determined by federally approved indirect cost rate of 7.17%.

Item	Approved indirect cost rate	Subtotal Direct Costs	Total	Agency Share of the Costs	CL Match	In-Kind Match	Total
Federally approved indirect cost rate of 7.17%	0.0717	8008.05	574.18	477.88	96.30		574.18
Total Indirect				477.88	96.30	0.00	574.18

Travel: Travel costs are assessed through a cost allocation which includes fuel, auto insurance, repairs and maintenance, registration fees, and replacement/depreciation for the fleet of vehicles used by Conservation Legacy. The flat weekly rate covers crew travel to/from worksites, staff transportation for pre-site meetings, project management site-visits and other support travel.

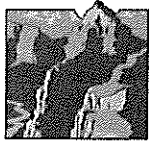
Transportation to and from the work site for crew members ensures that crew members are on site when needed. Travel funds also provide for project management oversight which is necessary for on the ground project evaluation.

The weekly travel cost is \$552/crew-week x 14 weeks = \$7,728

Supplies: Supply costs are pro-rated percentages of total costs to Conservation Legacy for uniforms, personal protective equipment, facilities, camp food, background searches, camp equipment, education supplies, education/training workshops, field communications, field supplies, first aid supplies, crew and staff incentives, outreach/recruiting, program development, staff training, and tools. Because supplies are purchased in bulk to be shared through a logistics and supply program for all Corpsmembers, the weekly rate is established to support a per-project crew-week.

The supplies listed above provide a wide range of items needed for the work crew. They must have the proper equipment and training so that they are prepared to successfully complete the project.

The weekly cost for supplies to support one 8-person crew-week is \$2,421.87 x 14 weeks = \$33,906.18



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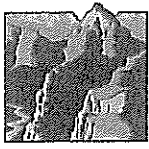
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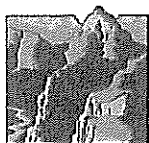
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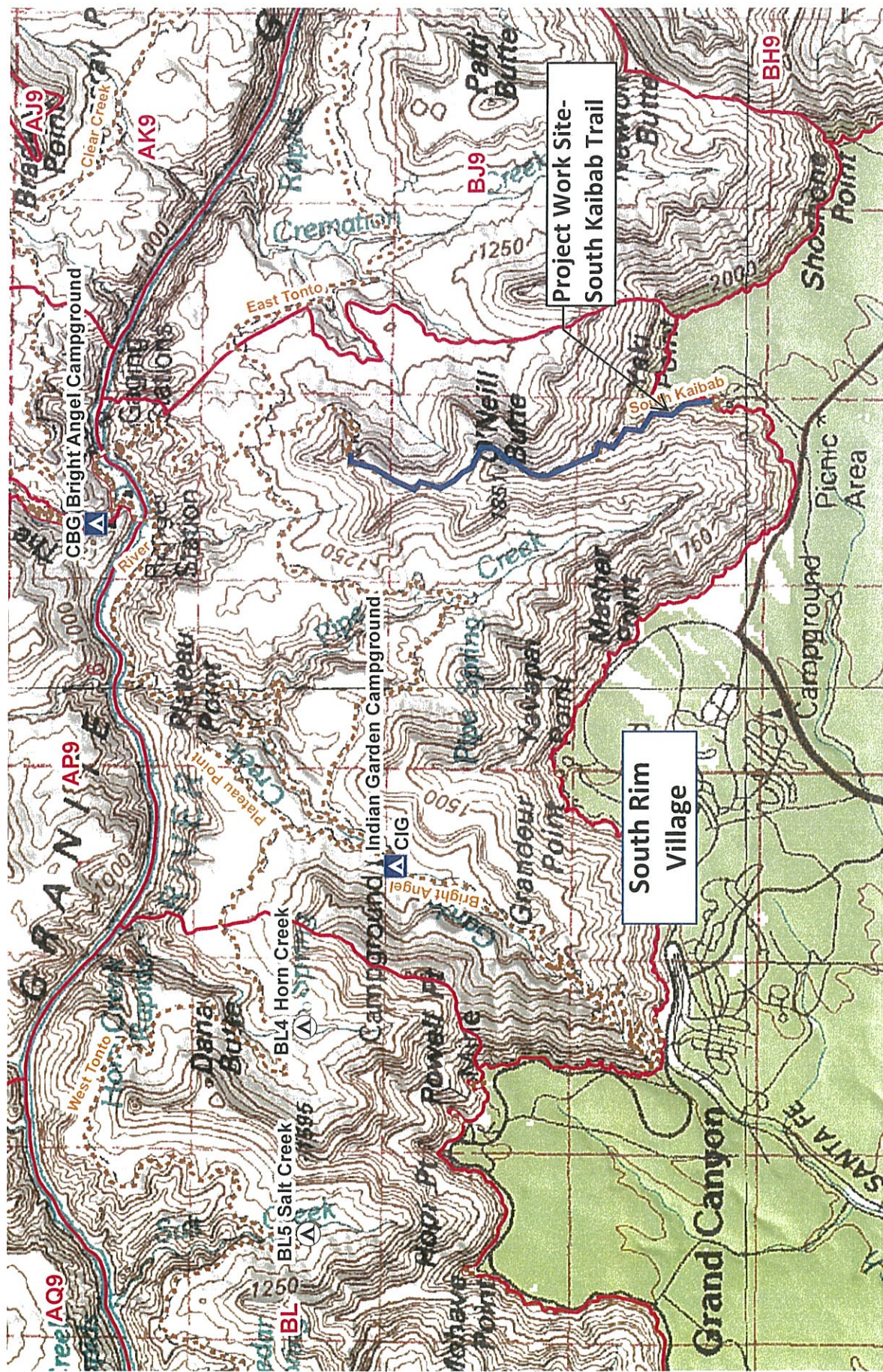
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Grand Canyon National Park Trail Crew and Arizona Conservation Corps at Work



An example of trail rehabilitation that would be completed by the AZCC crew. Broken and deteriorated cribbing (juniper poles) were removed and new poles secured to the bedrock. Trail Crew is back-filling crib steps, hammering and breaking larger stone to create level surface. The remaining step is to fill with a fine sandy soil material, creating the trail surface tread.

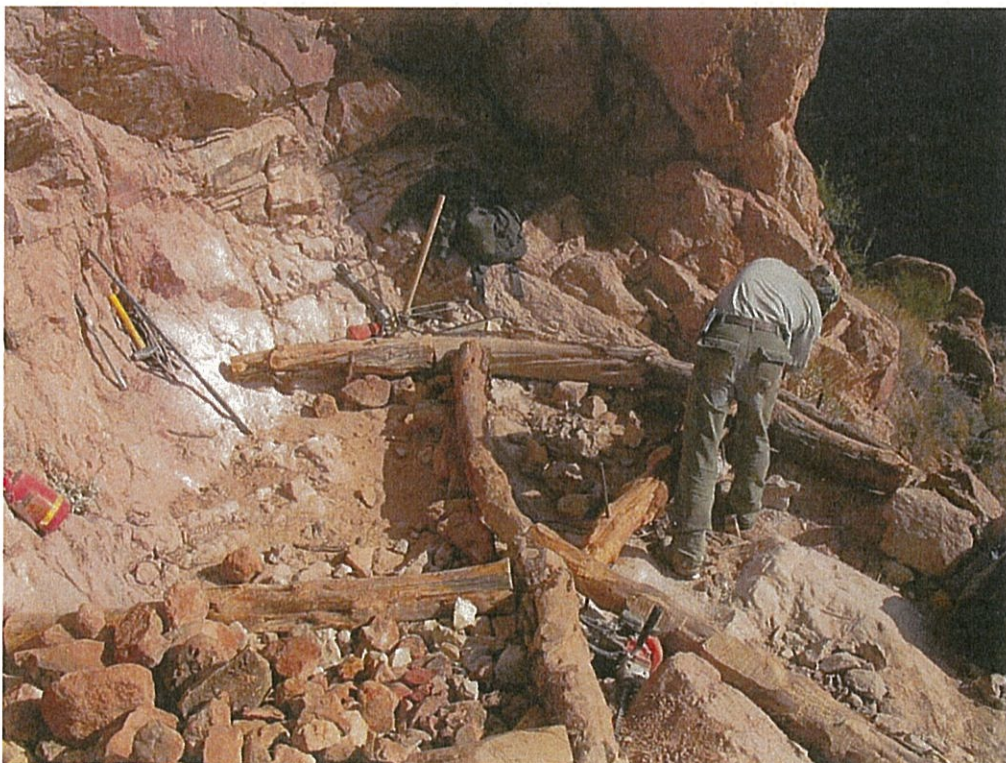


Juniper poles are secured to the trail with segments of rebar. These "log checks" are then filled in between with stone and sand, creating a ramp like surface down the trail. Over time, the "ramp" erodes and the trail turns to a series of "steps" and the tread must be replaced.

Grand Canyon National Park Trail Crew and Arizona Conservation Corps at Work



Juniper poles are stacked into a crib wall to level the slope of the trail. For livestock to safely traverse the trail, a grade in the range of 2% to 10% must be maintained. The crib wall is secured to bedrock with rebar and notched in a way to create an immovable frame. The crib is then filled with large stones to aid draining and minimize freeze-thaw movement. The wall is backfilled with sand and soil.



Juniper poles are also used to secure a switchback. Switchbacks must maintain a turning radius of 6 to 10 feet for a stock trail. The grade and wide turn creates a safer area to pass for hikers and stock alike on busy Grand Canyon trails.

Grand Canyon National Park Trail Crew and Arizona Conservation Corps at Work



Last season's AZCC crews at work in Grand Canyon National Park.



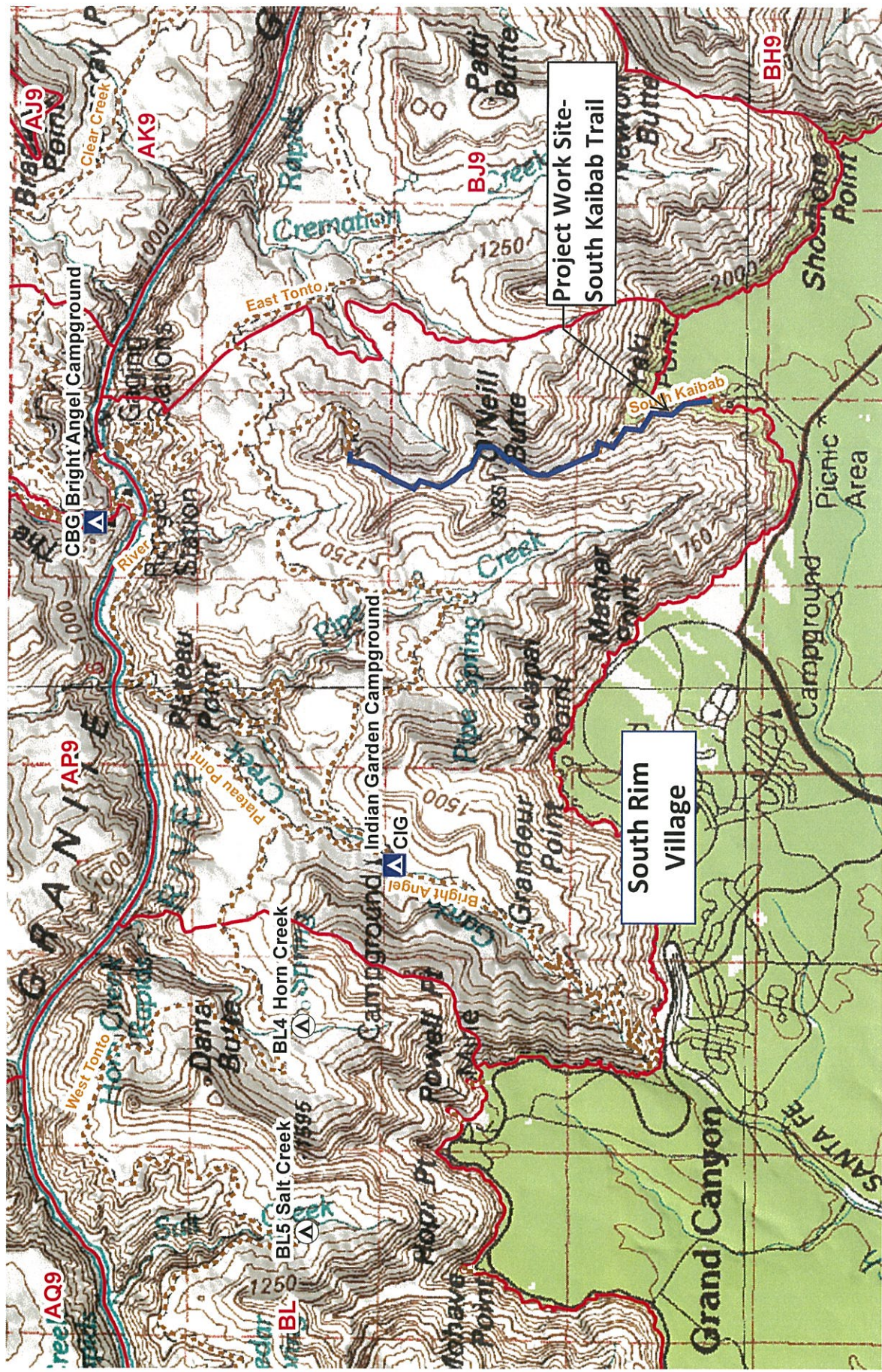
Grand Canyon National Park Trail Crew and Arizona Conservation Corps at Work



The South Rim material stockpile. Keeping materials at-the-ready is a critical component of trail work. The Conservation Corps crew will spend the last two weeks of their season on a timber harvest to support that effort.



The NPS Mule Team heading to a work site.



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Grand Canyon National Park
Trail Crew and Arizona Conservation Corps at Work



Last season's AZCC crews at work in Grand Canyon National Park.



Grand Canyon National Park Trail Crew and Arizona Conservation Corps at Work



The South Rim material stockpile. Keeping materials at-the-ready is a critical component of trail work. The Conservation Corps crew will spend the last two weeks of their season on a timber harvest to support that effort.



The NPS Mule Team heading to a work site.

#98

COMPLETE



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Started: Wednesday, August 03, 2016 3:03:25 PM
Last Modified: Monday, August 08, 2016 2:51:17 PM
Time Spent: Over a day
IP Address: 184.98.149.37

PAGE 1

Q1: Name of your organization.	Grand Canyon Association
Q2: Grant #	20150348
Q3: Grant Period	June 1, 2015 to May 30, 2016
Q4: Location of your organization	
City	Grand Canyon
State	AZ
Q5: Name and Title of person completing evaluation.	Elizabeth Wilkinson, Senior Philanthropy Officer
Q6: Phone Number:	602-819-4248
Q7: Email address.	ewilkinson@grandcanyon.org

PAGE 2: Key Outcomes and Results

Q8: Total number of clients served through this grant funding:	This grant provided Wilderness First Aid training to 40 volunteers and supported 350 hiker assists.
----------------------------------------------------------------	-----------------------------------------------------------------------------------------------------

Q9: Describe the project's key outcomes and results based on the goals and objectives:

Objective 1: Increase Advanced Life Support capabilities and provide career opportunity for PSAR Rangers. Create retention initiative, and improve medical skill level for PSAR Volunteers through additional medical training.

Results: Grand Canyon PSAR, in conjunction with our medical advisors at University of New Mexico, taught two separate Wilderness First Aid (WFA) classes for our volunteers. A total of 40 volunteers obtained certification in Wilderness First Aid through this 16 hour standardized course, utilizing the standard curriculum modeled after the Wilderness Medical Institute. The courses were taught in January and April, at a total cost of \$4,002.

PSAR volunteers are seasoned Grand Canyon hikers, typically with years of backcountry travel experience. Although some had former careers as nurses or EMTs, most are medically untrained prior to their onboarding with the program. Additionally, the environment in which they work provides particular challenges relating to patient care not seen in traditional frontcountry medicine. As a result of WFA training, PSAR volunteers are educated and empowered to make smart decisions that center on advocating for visitors' health and safety.

As of July 2016, no PSAR rangers have been able to attend a Paramedic training program. The PSAR staff, including seasonal rangers and supervisory ranger, has had nearly 100% turnover from 2015. This further underscores the need to create an effective retention program. Currently we have two seasonal rangers that are highly skilled EMTs, and have been identified as possessing the qualities necessary to become proficient ALS providers in Grand Canyon. We expect these two rangers to apply for paramedic school by fall, 2016, for matriculation in 2017.

Objective 2: Replace and upgrade the portable radios utilized by PSAR, and improve the emergency messaging capability at the trailheads and visitor centers.

Results: Six brand new hand-held radios, made by Motorola, began the procurement process in April 2016 at a cost of \$12,231. They are expected to be procured, programmed and implemented into the PSAR program by fall of 2016. These radios, with better transmission and receiving capabilities, battery strength, durability and weather resistance, will replace outdated Bendix-King (BK) radios. The BK radios have consistently performed at a sub-par level in many areas of the park, including the Bright Angel trail, where volunteers rely most on radio communication during emergencies. PSAR already possesses three of these new Motorola radios. After nearly a season of use, we have observed tangible benefits in having reliable radio communication on trail. These benefits include communicating emergency situations and essential medical information, requesting appropriate resources, and providing trail updates to SAR Shift and Dispatch.

In addition to upgrading radios, the PSAR program is in the process of obtaining approval through our compliance office for digital displays at the Bright Angel Trailhead, approximately one switchback down trail. The display will consist of an all-weather digital monitor that will feature live weather data and emergency messages for the park and backcountry. Further, because of its digital interface and internet connection, this display will have the capability to be changed remotely, keeping visitors abreast of accurate, time-sensitive information regarding emergency messages and weather.

Objective 3: Upgrade the weather station and IT infrastructure at Indian Garden and Phantom Ranch to provide real time temperature display at trailheads and visitor centers.

Results: IT, communication, and weather station infrastructure has been installed at both Indian Garden and Phantom Ranch as of spring 2016. Please see the attached report for a detailed overview of the communication system linking Phantom Ranch and the South Rim. The type of system required to build this communication link into the backcountry is highly complicated and somewhat untested prior to its implementation in Grand Canyon. As a result of this project, the system has proven feasible, and can move on to the next steps of advanced infrastructure that complies with federal government IT standards. The \$6,467 balance of the grant was applied to this initial feasibility project.

To summarize, both Indian Garden and Phantom Ranch now have access to internet, and are able to transmit live weather data from their respective weather stations to the South Rim. This information is directly used by PSAR staff to educate visitors and is being shared with the National Weather Service.

Q10: Please describe any challenges/obstacles the organization encountered (if any) in attaining goals & objectives.

Objective 1: The primary challenge faced regarding increasing Advanced Life Support (ALS) capabilities in the PSAR program was staff turnover. Four of five seasonal PSAR rangers, as well as the PSAR supervisory ranger, left the program in the last year. With such high turnover, it was difficult to identify a specific ranger (or two) in the last year as an appropriate choice for career advancement. As such, one of the PSAR program's goals in this coming year is to support two of our new seasonal rangers in their goal of becoming a paramedic. We believe that this opportunity will help foster a culture of improvement and excellence, leading to a team that performs at a higher level, and is able to both recruit and retain talented individuals.

Objective 2: When ordering high-priced items like radios, federal agencies are required to go through a procurement process; the challenge here is primarily bureaucratic, as this process takes a significant amount of time. Ideally, we would have liked to place new radios in-service for the summer 2016 season. As it were, we are now looking at a fall 2016 in-service date. We anticipate purchasing another 6 radios and some radio accessories in the near future.

Objective 3: To install advanced weather stations and internet receivers in the backcountry comes with its own list of challenges that are particular to this project. Finding appropriate equipment, identifying locations for infrastructure that does not take away from visitor use or enjoyment, and ensuring that said equipment and technology meets federal IT regulations are all examples of challenges that this project faced. Fortunately, through research and determination, the program was able to complete this objective without undue impact on visitors, and with the support of Grand Canyon's IT department.

Fortunately to date we have spent very little money during the proof of concept phase. The wireless antennas / frequency range used provided us the opportunity to install infrastructure at low cost. We were also able to complete this phase without incurring helicopter flight time costs and transported much of the equipment via mule and/or helicopter flights that had additional space on board with no cost requirement. Unfortunately, the anticipated cost of Objective 3 to switch from proof of concept to replacing antennas and frequency range equipment with the types of wireless equipment permitted to operate on federal government network system is substantial. As an example, during proof of concept we spent approximately \$2200 per data link set up. Early estimates are at \$25,000 to swap out that same data link with federal government approved equipment. Fortunately the infrastructure build-out is in place so swapping out the equipment is easy. More time is required as we work with the Grand Canyon IT department to identify exactly what equipment is approved.

Q11: How did you overcome and/or address the challenges and obstacles?

Objective 1: As described above, we are actively recruiting high-functioning EMTs and talented individuals to be a part of the PSAR team. We are encouraging career development and training opportunities that are not typically available to seasonal rangers. By encouraging rangers to advance their practice and skills as a medical provider, we hope to retain rangers as ALS providers for years to come.

Objective 2: The most effective way to combat bureaucratic purchasing processes is to be timely and efficient in our requests. We strive to be effective and efficient when going through the purchasing process.

Objective 3: The PSAR program recruited a resourceful and talented volunteer, Dr. Hannah Heinrich, to assist in the design and installation of backcountry IT infrastructure. The volunteers' expertise in engineering and electronics proved invaluable for this project.

Q12: Describe any unintended positive outcomes as a result of the efforts supported by this grant.

As a result of the successful proof of concept work to create and improve the wireless communication infrastructure in the corridor Grand Canyon's IT department, skeptical at first, has come around to wanting to work with this project and improve upon it.

Q13: Briefly describe the impact this grant has had on the organization and community served.

The community in Grand Canyon National Park is comprised of a small permanent population (~3,000 people) and a rotating population of thousands more. We serve our coworkers, friends, family, residents, and visitors. And just like any municipality of thousands of people, the challenge is to determine what tangible and effective measures can be implemented to improve resident and visitor safety. The three objectives outlined above all share one common theme: to increase visitor safety by improving the emergency services offered in the backcountry.

By increasing our volunteer training in wilderness medicine, we have made our trails a safer place to be. Throughout the past 20 years, PSAR, and Emergency Services as a whole, have evolved into high-functioning teams that emphasize results. One of the ways in which we measure program benefits is the number of search and rescue (SAR) incidents and hiker-assists that occur each year. There is a solid decreasing trend in these metrics per visitor-day over the past 10 years. Part of that decrease is due to having higher-trained volunteers on the trails that serve as the conduit between visitors and ranger staff when there are not enough rangers to patrol each trail every day.

PAGE 3: Budget

Q14: Please provide a brief narrative on how the funds were used to fulfill grant objectives.

As outlined above, the funds were used to directly fulfill each objective. Funds were utilized to pay for Wilderness First Aid training for 40 PSAR volunteers, allowing these dedicated individuals to better assess, triage, and report backcountry emergencies (\$4,002). Funds were also utilized to purchase new radios (\$12,231). When they enter the field this winter, we anticipate far fewer communication issues in the backcountry. Last, and perhaps most surprisingly in terms of low cost, the balance of the funds (\$6,467) were used to install IT and communication infrastructure in the backcountry, allowing better communication, weather data, and visitor awareness and knowledge.

With your support of these projects that focus on improving visitor health and safety, we continue our commitment to decreasing visitor injury and illness in Grand Canyon National Park's backcountry, and we thank the S.L. Gimbel Foundation for sharing in this vision.

PAGE 4: Success Stories

Q15: Please relate a success story:

We now have reliable and accurate real time weather data being transmitted via the internet to the National Weather Service. This data is available for anyone in the world to look at and has proven beneficial to PSAR staff as we continue to staff the trails based on current and expected weather conditions. Our continued challenge is messaging this weather data in an appropriate format at trailheads and visitor centers.

Q16: Please relate a success story here:

Respondent skipped this question

Q17: Please relate a success story here:

Respondent skipped this question

PAGE 5: Organizational Information

Q18: Which category best describes the organization. Please choose only one.

Environmental

Q19: What is the organization's primary program area of interest?

Environment/Environmental

S.L. Gimbel Foundation Fund

Q20: Percentage of clients served through grant in each ethnic group category. Total must equal 100%	<i>Respondent skipped this question</i>
Q21: Approximate percentage of clients served from grant funds in each age category.	<i>Respondent skipped this question</i>
Q22: Approximate percentage of clients served with disabilities from grant funds.	<i>Respondent skipped this question</i>
Q23: Approximate percentage of clients served in each economic group.	<i>Respondent skipped this question</i>
Q24: Approximate percentage of clients served from grant funds in each population category.	<i>Respondent skipped this question</i>



Grand Canyon Association

Post Office Box 399
Grand Canyon, AZ 86023
www.grandcanyon.org
(928) 638-2481

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T. Paul Thomas
Flagstaff, AZ

Chief Executive Officer

Susan Schroeder
Grand Canyon, AZ

January 20, 2017

Celia Cudiamat
Executive Vice President-Programs
The Community Foundation
3700 Sixth St., Suite 200
Riverside, CA 92501

Dear Celia,

Thank you so much for the opportunity to resubmit this application for National Parks Centennial funding through the S.L. Gimbel Foundation Fund.

Enclosed please find the revised narrative, budget table and budget narrative. Our board of directors changed at the first of the year, so I have included an updated board listing.

Please let me know if you have questions or need additional information. Thank you for considering our request.

Warm regards,

Elizabeth Wilkinson
Senior Philanthropy Officer

Grand Canyon Association
2016 Budget & 2015 Actual

	2016 Budget	2015 Actual
Sales Program		
Store Sales	7,484,400	7,740,233
Web and Mail Order Sales	42,000	47,938
Wholesale Sales	150,000	133,349
Total Sales	7,676,400	7,921,520
Cost of Goods Sold	(3,407,901)	(3,554,518)
Gross Margin	4,268,499	4,367,002
Gross Margin Percent	55.6%	55.1%
Shipping Income	15,125	19,536
Less Payroll Expenses	(1,327,170)	(1,198,118)
Less Operating Expenses	(354,725)	(365,806)
Net Contribution	2,601,729	2,822,614
Publishing		
Payroll Expenses	(68,240)	(79,111)
Operating Expenses	(165,590)	(156,407)
Net Contribution After Publishing	2,367,899	2,587,096
Field Institute		
Revenues	583,400	582,774
Payroll Expenses	(237,460)	(231,264)
Less Operating Expenses	(319,080)	(318,505)
Net Contribution	26,860	33,005
Philanthropy		
Unrestricted Revenues	717,100	574,665
Less Payroll Expenses	(385,400)	(267,474)
Less Operating Expenses	(345,239)	(238,955)
Net Contribution	(13,539)	68,236
Membership		
Membership Revenues	687,800	765,054
Payroll Expenses	(205,200)	(142,263)
Operating Expenses	(389,540)	(374,919)
Net Contribution	93,060	247,872
Exhibit Operating Expenses	(4,400)	(95)
Net Contribution before General and Administrative Expenses	2,469,879	2,936,114
General & Administrative		
Other Income	103,400	68,638
Less Payroll Related Expenses		
General & Administrative	(783,920)	(625,517)
Marketing	(162,090)	(116,996)
Facilities Maintenance	(117,820)	(118,762)
Total Payroll Expenses	(1,063,830)	(861,275)
Less Operating Expenses		
General & Administrative	(594,880)	(521,991)
Marketing	(282,919)	(151,138)
Facilities Maintenance	(73,960)	(53,797)
Total Operating Expenses	(951,759)	(726,926)
Board	(68,500)	(56,827)
Total General and Administrative Expenses	(2,084,089)	(1,645,028)
Income/Loss from Operations	489,190	1,359,724
(Before Depreciation and Aid to NPS)		
Depreciation: Non-Cash	(108,000)	(106,224)
AID to National Park Service		
Discretionary Aid (AP)	(690,000)	(282,675)
Designated Aid (AA)	(19,960)	(28,038)
Total Aid to National Park Service/USFS	(709,960)	(310,713)
Net income after Depreciation and AID	(220,770)	941,871
Restricted Revenues	1,831,250	1,331,012
Releases from Restriction	(1,050,000)	(1,357,240)
Unrealized Gain/Loss - Restricted Funds	0	(96,082)
Net Restricted Fund Activity	781,250	(122,310)
CHANGE IN NET ASSETS	452,480	819,561

Form 990 (2015) **GRAND CANYON ASSOCIATION****86-0179548**Page **10****Part IX Statement of Functional Expenses**

Section 501(c)(3) and 501(c)(4) organizations must complete all columns. All other organizations must complete column (A).

Check if Schedule O contains a response or note to any line in this Part IX ☐

Do not include amounts reported on lines 6b, 7b, 8b, 9b, and 10b of Part VIII.	(A) Total expenses	(B) Program service expenses	(C) Management and general expenses	(D) Fundraising expenses
1 Grants and other assistance to domestic organizations and domestic governments. See Part IV, line 21	4,195,864	4,195,864		
2 Grants and other assistance to domestic individuals. See Part IV, line 22				
3 Grants and other assistance to foreign organizations, foreign governments, and foreign individuals. See Part IV, lines 15 and 16				
4 Benefits paid to or for members				
5 Compensation of current officers, directors, trustees, and key employees	497,888	230,293	165,637	101,958
6 Compensation not included above, to disqualified persons (as defined under section 4958(f)(1)) and persons described in section 4958(c)(3)(B)				
7 Other salaries and wages	551,406	245,302	189,475	116,629
8 Pension plan accruals and contributions (include section 401(k) and 403(b) employer contributions)	39,791	11,541	16,751	11,499
9 Other employee benefits	110,273	49,459	38,914	21,900
10 Payroll taxes	78,572	39,470	23,614	15,488
11 Fees for services (non-employees):				
a Management	20,691		9,705	10,986
b Legal	21,050		21,050	
c Accounting				
d Lobbying				
e Professional fundraising services. See Part IV, line 7	113,840			113,840
f Investment management fees				
g Other. (If line 11g amount exceeds 10% of line 25, column (A) amount, list line 11g expenses on Schedule O.)	140,321	2,662	80,713	56,946
12 Advertising and promotion	6,068	933	745	4,390
13 Office expenses	98,162	71,344	18,815	8,003
14 Information technology				
15 Royalties				
16 Occupancy	193,211	23,970	167,941	1,300
17 Travel	40,653	5,441	26,199	9,013
18 Payments of travel or entertainment expenses for any federal, state, or local public officials				
19 Conferences, conventions, and meetings	56,827		56,827	
20 Interest				
21 Payments to affiliates				
22 Depreciation, depletion, and amortization	106,224		106,224	
23 Insurance	75,952		75,952	
24 Other expenses. Itemize expenses not covered above (List miscellaneous expenses in line 24e. If line 24e amount exceeds 10% of line 25, column (A) amount, list line 24e expenses on Schedule O.)				
a BANK CHARGES	171,397	165,117	6,280	
b REPAIRS & MAINTENANCE	123,950	4,097	110,407	9,446
c OTHER EXPENSES	49,341	2,779	27,070	19,492
d DUES & SUBSCRIPTIONS	15,046		9,508	5,538
e All other expenses				
25 Total functional expenses. Add lines 1 through 24e	6,706,527	5,048,272	1,151,827	506,428
26 Joint costs. Complete this line only if the organization reported in column (B) joint costs from a combined educational campaign and fundraising solicitation. Check here <input type="checkbox"/> if following SOP 98-2 (ASC 958-720)				



Grand Canyon Association

Post Office Box 399
Grand Canyon, AZ 86023
www.grandcanyon.org
(928) 638-2481

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Flagstaff, AZ

Chief Executive Officer

Susan Schroeder
Grand Canyon, AZ

October 27, 2016

Ms. Celia Cudiamat, Vice President of Grant Programs
The Community Foundation
3700 Sixth Street, Suite 200
Riverside, CA 92501

Dear Celia,

Thank you for giving us this opportunity to once again apply to the S.L. Gimbel Foundation Fund in support of Grand Canyon National Park. In response to your request for proposals for the National Parks Centennial Special Initiative, we respectfully submit this grant application in the amount of \$100,000.00 for a project that will restore and stabilize the historic South Kaibab Trail.

With these funds, the National Park Service will secure the services of an Arizona Conservation Corps field crew for a single 14-week season. This specialized crew will have the combined skills of a trail crew and a technical forestry crew, allowing them to meet the unique needs of the Grand Canyon Trails Program.

The S.L. Gimbel Foundation Fund has generously supported backcountry amenities and services with previous gifts. In 2008 your support of the Hike Smart campaign at Grand Canyon underwrote numerous visitor safety initiatives. A subsequent gift in 2010 provided the funds to support staffing of a seasonal Preventative Search and Rescue (PSAR) ranger position, construction of a drinking fountain, a message board, benches, and other amenities on the popular rim-to-rim route. Most recently your 2015 gift of \$22,700 provided critical funding for training, equipment, and support for the PSAR program, allowing them to expand their ability to serve park visitors.

The backcountry trails of Grand Canyon offer a life-changing experience for those who venture below the rim. The South Kaibab Trail Restoration project that we are presenting here will provide an opportunity to further ensure the safety of park visitors and personnel utilizing this important trail for generations to come.

The Grand Canyon Association is proud to partner with The Community Foundation and the S.L. Gimbel Foundation Fund. We appreciate your consideration of our proposal, and applaud the National Parks Centennial Special Initiative for the important work it will generate throughout the National Park System.

Sincerely,

Susan Schroeder
Chief Executive Officer



Strengthening Inland Southern California through Philanthropy

BOARD OF DIRECTORS March 27, 2017

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Vice Chair of the Board

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Chief Financial Officer

Dr. Paulette Brown-Hinds
Secretary of the Board

Ms. Susan Schroeder
CEO
Grand Canyon Association
P.O. Box 399
Grand Canyon, AZ 86023

Dear Ms. Schroeder:

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Nefertiti Long

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Interim President and CEO

Congratulations! A grant has been approved for **Grand Canyon Association** in the amount of \$100,000.00 from the S.L. Gimbel Foundation. The performance period for this grant is **April 15, 2017 to April 15, 2018**. Additional funding beyond the performance period is not guaranteed. It is highly recommended that alternative funding sources be sought accordingly. The grant is to support the following as specified in your proposal:

Maintain backcountry trails by funding the Arizona Conservation Corps.

This grant is subject to the terms outlined in the enclosed Grant Agreement. After you have reviewed the terms and conditions of the Grant Agreement, **please sign and date the agreement and return with original signature to The Community Foundation by Friday, April 28, 2017**. Be sure copy the signed agreement for your records. Funds will be released upon receipt of the signed Grant Agreement.

A condition of this grant is that you agree to submit the Grant Evaluation Form which includes a narrative report and fiscal report. **The Grant Evaluation is due by May 15, 2018** and a copy will be available online.

We wish you great success and look forward to working with you during the grant performance period. If you have any questions, please call me at 951-241-7777, ext. 114.

Sincerely,

Celia Cudiamat
Executive Vice President of Programs

18173 Grand Canyon Association

20170144 GIMB





Strengthening Inland Southern California through Philanthropy

3700 Sixth Street, Suite 200

Riverside, CA 92501

P: 951-684-4194

F: 951-684-1911

www.thecommunityfoundation.net

**S. L. Gimbel Foundation Fund
Grant Agreement**

Organization: Grand Canyon Association

Grant Amount: \$100,000.00 **Grant Number:** 20170144

Grant Period: April 15, 2017 to April 15, 2018 (Evaluation Due: May 15, 2018)

Purpose: Maintain backcountry trails by funding the Arizona Conservation Corps

1. Use of Grant Funds

Grant funds must be expended within the grant period, for the purpose and objectives described in your grant proposal. Grant funds may not be expended for any other purpose without prior written approval by The Community Foundation. If there are significant difficulties in making use of the funds as specified in your proposal, or if the grant funds cannot be spent within the grant period, notify us in writing promptly.

Formal requests for extensions or variances must be submitted to the Foundation's Board of Directors for approval a minimum of 60 days before the end of the grant period.

Requests for variances or extensions are reviewed on a case-by-case basis and approved by the Board of Directors. If a request is denied, unused funds must be immediately refunded to the Foundation.

Grant funds will not be expended for any political or lobbying activity or for any purpose other than one specified in section 170(c)(2)(b) of the Code.

2. Payment of Grant Funds

The grant funds will be paid in full by the Foundation upon receipt of the signed Grant Agreement. Challenge grant funds will be paid in full upon receipt of the signed Grant Agreement and upon receipt of documentation providing evidence that condition(s) of the challenge grant has/have been met.

3. Certification and Maintenance of Exempt Organization Status

This grant is specifically conditioned upon Grantee's status as an eligible grantee of The Community Foundation. The Foundation has obtained a copy of the Grantee's IRS determination letter. Grantee confirms that it has not had any change in its legal or tax-exempt status, and shall notify the Foundation immediately of any such change.

4. Final Report and Records

The Grantee will submit the Grant Evaluation report per the deadline set forth in the award letter. This report includes a narrative on outcomes based on goals and objectives set forth in the grant proposal and an expenditure report documenting use of grant funds. If equipment was purchased, copies of receipts need to be included.

5. Grantee's Financial Responsibilities

Grantee will keep records of receipts and expenditures of grant funds and other supporting documentation related to the grant at least four (4) years after completion of the grant and will make such records of receipts, expenditures and supporting documentation available to the Foundation upon request, for the purpose of conducting financial audits, making verifications, and investigations as deemed necessary concerning the grant.

6. Publicity

The Community Foundation appreciates publicity for the grant in all relevant published materials, such as brochures, newsletters and annual reports. The credit line of "Made possible in part by a grant from **The Community Foundation, Strengthening Inland Southern California through Philanthropy**" is suggested. The Grantee will allow the Foundation to review and approve the content of any proposed publicity concerning the grant prior to its release, upon request. When your donors are listed in printed materials, include the Foundation in the appropriate contribution size category. Sending a brief press release to your local paper is appreciated. Please email Charee Gillens, our Marketing & Communications Officer, at cgillens@thecommunityfoundation.net with copies of any printed or publicity materials that highlight the grant. When publishing our name, please note the "The" at the beginning of our name is a legal part of our name. It should always be used and capitalized. Attaching a logo is also appreciated. Our logo can be downloaded on our website at www.thecommunityfoundation.net.

Grantee agrees to allow the Foundation to include information about this grant in the Foundation's periodic public report, newsletter, news releases, social media postings, and on the Foundation's website. This includes the amount and purpose of the grant, any photographs you have provided, your logo or trademark, and other information and materials about your organization and its activities.

7. Indemnification

In the event that a claim of any kind is asserted against the Grantee or the Foundation related to or arising from the project funded by the Grant and a proceeding is brought against the Foundation by reason of such claim, the Grantee, upon written notice from the Foundation, shall, at the Grantee's expense, resist or defend such action or proceeding, at no cost to the Foundation, by counsel approved by the Foundation in writing.

Grantee hereby agrees, to the fullest extent permitted by law, to defend, indemnify, and hold harmless the Foundation, its offices, directors, employees, and agents, from and against any and all claims, liabilities, losses, and expenses (including reasonable attorneys' fees) directly, indirectly, wholly, or partially arising from or in connection with any act or omission by Grantee, its employees, or agents in applying for or accepting the Grant, in expending or applying the Grant funds or in carrying out any project or program supported by the Grant, except to the extent that such claims, liabilities, losses, and expenses arise from or in connection with any bad faith act or omission by the Foundation, its officers, directors, employees, or agent.

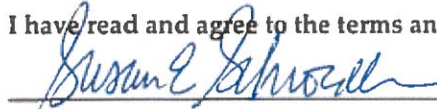
8. Termination

The Community Foundation may terminate this agreement, modify or withhold payments under this grant award, require a total or partial refund of any grant funds, or all at any time, if, in the Community Foundation's judgment: a) The Community Foundation is not satisfied with the quality of the Grantee's progress toward achieving the project goals and objectives; b) the Grantee dissolves or fails to operate; c) the Grantee fails to comply with the terms and conditions of this agreement; d) the Grantee fails to comply with the requirements of any law or regulation applicable to you, the Foundation, or this grant.


9. Limitation of Support

This Agreement contains the entire agreement between the parties with respect to the Grant and supersedes any previous oral or written understandings or agreements.


I have read and agree to the terms and conditions of the Grant Agreement.



Signature



Printed Name



Date



Title

Grant Number: 20170144

Organization: Grand Canyon Association





Strengthening Inland Southern California through Philanthropy

BOARD OF DIRECTORS

June 19, 2017

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Randall Tagami

Diane Valenzuela

Paula Myles
Interim President and CEO

Ms. Susan Schroeder
Chief Executive Officer
Grand Canyon Association
P.O. Box 399
Grand Canyon, AZ 86023

Dear Ms. Schroeder:

The Community Foundation is pleased to enclose a grant check for \$100,000 from the S. L. Gimbel Foundation, a component fund at The Community Foundation. By cashing the grant check, you are agreeing to the conditions stated under the *Terms of Grant* which you have signed and returned. **The completed Grant Evaluation form is due by May 15, 2018** and will be available online on The Community Foundations website under Grants/Forms. Please note that any grant variances or extensions must be requested in writing and in advance. Any remaining grant funds must be returned to The Community Foundation at the end of the grant period.

We greatly appreciate any help you can give us in publicizing the grant. Please use the following credit in any grant announcements or materials funded by the grant: *"The Grand Canyon Association is supported by a grant from The S. L. Gimbel Foundation."* You may send us copies of articles printed in local papers, stories in your agency newsletter, annual report, press releases, and other publications for our files.

Please feel free to contact me or Angie Valdericeda, Grants Manager, at 951-241-7777 should you have any questions.

Sincerely,

Celia Cudiamat
Executive Vice President of Programs

20170144

42458

GIMB1



The Community Foundation
Strengthening Inland Southern California through Philanthropy
3700 SIXTH STREET, SUITE 200
RIVERSIDE, CA 92501
951-241-7777 / FAX 951-684-1911

CITIZENS BUSINESS BANK
A Financial Services Company
3696 Main Street, Riverside, CA 92501
90-3414/1222

Check Fraud
Protection for Business

42458

PAY * One Hundred Thousand and no/100 *

TO THE
ORDER OF

DATE

06/19/2017

AMOUNT

\$ ***100,000.00

Grand Canyon Association
P.O. Box 399
Grand Canyon, AZ 86023

Lee Francis Brown
AUTHORIZED SIGNATURE

⑈042458⑈ ⑆122234149⑆ 244124437⑈

The Community Foundation

42458

18173 Grand Canyon Association

06/19/2017 042458

20170144	03/23/2017	Maintain backcountry trails by funding the Arizona	100,000.00
GIMB		S.L. Gimbel Foundation Advised Fund	100,000.00

CHECK TOTAL: \$ ***100,000.00

The Community Foundation

42458

18173 Grand Canyon Association

06/19/2017 042458

20170144	03/23/2017	Maintain backcountry trails by funding the Arizona	100,000.00
GIMB		S.L. Gimbel Foundation Advised Fund	100,000.00

CHECK TOTAL: \$ ***100,000.00