



Improve Potable Water Supply to Innecanyon and South Rim

GRCA - 190883





Improve Potable Water Supply to Innercanyon and South Rim

- Brief Description: Rehabilitate primary water system that provides service to the south rim and inner canyon. Work includes:
 - New surface water intake (source) at Bright Angle Creek in Phantom Ranch Delta, including pump station, creek stabilization, surface water treatment plant, open cut replacement of water distribution and power system;
 - Replace water main, power and fiber micro-duct between Havasupai Gardens (former Indian Gardens), water distribution system at Havasupai Gardens, rehabilitation of pump station;
 - Replace water main via slipline between Havasupai Gardens and south rim;
 - New surface water treatment plant on the south rim to include new storage tanks and some distribution piping replacement;
 - Installation of point of use disinfection systems (UV) at upper northern inner canyon at cottonwood and manzanita districts.
- Location: South Rim Grand Canyon National Park, Arizona
- Estimated Price: \$95M-\$115M





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- Design & Construction Method:

Design – Bid – Build

- Procurement Method

Full & Open Competition

- Schedule (Approximate):

Phase I/II Solicitation Date: 06/13/22

Award Date: 09/15/22

Period of Performance: appx 2.5 years



High Pressure
Zones

Challenging
Construction
Conditions



Challenging
Logistics





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- Performance Constraints & Other Considerations
 - Permitting ADEQ
 - Tight construction limits
 - Maintaining Service
 - Park Operations
 - Performance Criteria
 - Specified Technologies
 - Scheduling
 - Plant Operation
 - Wildlife



Phantom Ranch
Delta District





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- Limitations on closures and construction areas are specified in the contract documents and are intended to minimize impacts to visitor, employee and concessions operations throughout the duration of the project
- Coordination with permitting authority ADEQ (Arizona Department of Environmental Quality), power company APS (Arizona Power Service), and NPS heliport operations will be critical to success implementing the scope of this project

