

RESOLUTION NO. 2508

A RESOLUTION OF THE MAYOR AND COMMON COUNCIL OF THE TOWN OF PAYSON, ARIZONA, AUTHORIZING APPLICATION FOR AND ACCEPTANCE OF THE WATER INFRASTRUCTURE FINANCE AUTHORITY OF ARIZONA PROJECT TECHNICAL ASSISTANCE GRANT IN THE AMOUNT OF \$35,000.00 FOR THE GREEN VALLEY PARK BANK STABILIZATION AND STORMWATER STUDY PROJECT.

WHEREAS, the Town of Payson needs to address the continual bank erosion, stormwater related sediment load, and non-point source pollution at the Green Valley Park reclamation lakes; and

WHEREAS, the Town of Payson needs to conduct a feasibility study to assess the causes and develop potential remediation options; and

WHEREAS, the Water Infrastructure Finance Authority of Arizona provides technical assistance grants for such purposes,

NOW, THEREFORE, THE MAYOR AND COMMON COUNCIL OF THE TOWN OF PAYSON, ARIZONA, DO HEREBY RESOLVE AS FOLLOWS:

Section 1. That the Clean Water (Wastewater) Application to the Water Infrastructure Finance Authority of Arizona for the project entitled, "Green Valley Park Bank Stabilization and Stormwater Study," attached hereto marked Exhibit "A" and made a part hereof by this reference, be and is hereby ratified.

Section 2. That the Town of Payson be and is hereby authorized to accept a grant from the Water Infrastructure Finance Authority of Arizona for the project entitled, "Green Valley Park Bank Stabilization and Stormwater Study."

Section 3. That the Town of Payson be and is hereby authorized to take and perform such other and further actions as are necessary or appropriate to carrying out the purposes provided for in this Resolution Number 2508, including authorizing the Mayor to execute any required grant agreement.

Section 4. If any section, subsection, sentence, clause, phrase or portion of this Resolution Number 2508 is for any reason held to be invalid or unconstitutional by the decision of any court of competent jurisdiction, such decision shall not affect the validity of the remaining portions of this Resolution.

PASSED AND ADOPTED BY THE MAYOR AND COMMON COUNCIL OF THE TOWN OF PAYSON, ARIZONA, this 20th day of August, 2009, by the following vote:

AYES _____ NOES _____ ABSTENTIONS _____ ABSENT _____

Kenny J. Evans, Mayor

ATTEST:

APPROVED AS TO FORM:

Silvia Smith, Town Clerk

Samuel I. Streichman, Town Attorney

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to Resolution No. 2508

**CLEAN WATER (WASTEWATER) APPLICATION
Water Infrastructure Finance Authority of Arizona (WIFA)
Project Technical Assistance Priority List Application**

SECTION 1: APPLICATION INFORMATIONAPPLICATION NUMBER: TACW-007-2010 | **Print**

- 1.1 Applicant: Payson, Town of Job Title: Water Resources Director
- 1.2 Contact Names: First Michael Middle Initial: Last: Ploughe
- 1.3 Address: 303 N. Beeline Hwy. City: Payson State: AZ Zip: 85541
- 1.4 Phone: (928) 474-5242 Fax: (928) 474-7052 E-Mail: mploughe@ci.payson.az.us
- 1.5 County in Which Project is Located: Gila
- 1.6 Number of Connections to System: 8115 Population Served by the System: 16000
- 1.7 Average Monthly Fee (Base + Use): \$35.00
- 1.8 Existing Debt (principal only) Payable by System Users: \$0.00
- 1.9 Median Household Income: \$33,638.00
- 1.10 System Identification #: APP# AZPDES#
- 1.11 Has this project received prior year WIFA funding?
- No
- Yes, request is to design a project that received Pre-Design project Technical Assistance from the Authority in a previous funding cycle
- Yes, request is for additional technical assistance to offset actual costs of justified overruns
- 1.12 Is your company registered with the E-Verify Program? Yes No
(You will be required to provide proof of participation prior to the execution of a technical assistance agreement.)

SECTION 2: PROPOSED CLEAN WATER TECHNICAL ASSISTANCE PROJECT

- 2.1 Project Title/Name: Green Valley Park Bank Stabilization and Stormwater Study
- 2.2 Type of assistance required during this funding cycle? Pre-Design Design
- Type of project: Feasibility Study
- 2.3 Briefly summarize below the problem (Mail or upload any supporting documentation)

The Town of Payson Water Department in collaboration with the Northern Gila County Sanitary District completed a water conservation and reclamation project in 1996. The project, known as Green Valley Park, utilizes three reclaimed water storage lakes to passively recharge the local drinking water aquifer source. The facility also serves as the distribution hub for direct reclaimed reuse for non-potable irrigation purposes wherein reclaimed water is pumped from the larger lake out to golf courses and ball fields. When the lakes were designed, a concern was identified in the potential for bank erosion. However, due to limited funding and a necessity for a quick completion of the project, only minimal bank stabilization efforts were able to be employed. Since the facilities completion in 1996, significant erosion of the lake banks have occurred, to the point of damaging walking paths and elevating the risk for trip and fall accidents. Additionally, sedimentation relating to stormwater events and wave action erosion have also been identified as a concern. The reality of stormwater events points to a need for both bank stabilization and a method to decrease sediment loading into the lakes. Moreover, past unexplained fish kills in the lakes could be related to stormwater and non-point source pollution. In summary, the Town is concerned that something needs to be done concerning bank stabilization, stormwater related sediment load, and non-point source pollution.

- 2.4 Briefly summarize below the Solution and the Scope of Work

Green Valley Park Bank Stabilization and Stormwater Project Summary and Scope of Work: The Town wishes to conduct a feasibility study to assess the causes of excessive bank erosion, stormwater sediment loading into the lakes, and sources of non-point source pollution. Ultimately, the Town wishes to develop options available for 1) stabilizaiton of the recharge lake banks, 2) mitigation of stormwater sediment load, and 3) minimization of non-point source pollution in protection of water quality and lakes aquatic life. In addition to investigating and reporting on the causes of the problems outlined above, the Town wishes for the study to include the following elements: a) Assessment of alternatives for bank stabilization including cost estimates with recommended best course(s) of action, b) Assessment of alternatives for mitigation of stormwater sediment loading including cost estimates with recommended best course(s) of action, and c) Assessment of alternatives for mitigation of non-point source pollution including cost estimates with recommended best course(s) of action. The Town of Payson Water Department will remain available to assist as needed throughout the study and will make available access to the lakes, stormwater system(s), and water quality data as needed. The contractor selected will have up to 12 months to complete their investigation and the final study report as the primary deliverable.

2.5 Task Assignments

Task	Description	Probable Cost	WIFA Funded	Local Funded
1	Investigate the sources and/or causes of excessive bank erosion, stormwater sediment loads, and non-point source pollution.	\$13,750.00	\$8,750.00	\$5,000.00
2	Assessment of alternatives for bank stabilization including costs estimates with recommended best course(s) of action.	\$13,750.00	\$8,750.00	\$5,000.00
3	Assessment of alternatives for mitigation of stormwater sediment loading including cost estimates with recommended best course(s) of action.	\$12,750.00	\$8,750.00	\$4,000.00
4	Assessment of alternatives for mitigation of non-point source pollution including cost estimates with recommended best course(s) of action.	\$12,250.00	\$8,750.00	\$3,500.00

SECTION 3: EXISTING CONDITIONS AND PROJECT BENEFITS

3.1 Current Conditions (Check appropriate project category or categories)

- A. Surface Water Pollution
 - Project corrects sewer overflow
 - Project corrects a WWTF non-compliance
 - Project corrects excessive inflow and infiltration
 - Project repairs lift or pump station
- B. Untreated or Uncontrolled Runoff
 - Constructs/repairs stormwater facility
 - Implements Agricultural Best Management Practices
 - Involves landfill capping
 - Project is non-traditional
- C. Ground Water Pollution
 - Corrects onsite wastewater system that's polluting either surface or ground water
 - Corrects surface or ground water pollution from source other than onsite

3.2 Water Quality Improvement (you may select from only one of the following categories)

- A. Surface Water Restoration - Project benefits/that...
 - a current TMDL Implementation Plan
 - the development of a TMDL implementation plan
 - a future TMDL
 - addresses a TMDL waterbody
 - a project funded by a water quality improvement grant from the department
- B. Surface Water Protection - Project benefits/that...
 - a waterbody indentified in 305(b) of the CWA, as not supporting its designated use
 - a waterbody indentified in 305(b) of the CWA, as in partial support of its designated use
 - a waterbody indentified in 305(b) of the CWA, as in full support of its designated use
 - addresses a regional or local watershed plan to benefit water quality
- C. Ground Water Protection - Project benefits...
 - a wellhead protection area for a community water system
 - groundwater not meeting aquifer water quality standards
 - groundwater meeting aquifer water quality standards

3.3 Consolidation and Regionalization

- Consolidate physical facilities of existing multiple facilities
- Consolidate the operations of existing multiple facilities
- Extending service to existing areas currently served by another facility
- Consolidate the ownership of existing multiple facilities

3.4 Sustainability Index (you may select from only one of the following categories)

- A. Water Re-Use & Conservation
 - Project will generate or utilize reclaimed water for direct re-use
 - Project will correct water loss issues
 - System is actively engaged in water conservation program(s)
- B. Energy Use & Conservation
 - Project will significantly improve system efficiency
 - System employs significant alternative energy sources and/or co-generation efforts
 - System has performed an Energy Audit
- C. Green Practices
 - System utilizes solid waste reduction alternatives
 - Manages wet weather by infiltration, evapotranspiration of capture of stormwater
 - Project meets EPA "Green Building" practices
- D. What percentage of the entire project would you classify as "green/sustainable"?
 - A. 0%
 - B. 1-10%
 - C. 11-20%
 - D. Greater than 20%

3.5 Legal Capacity

- System has current debt authorization
- There is a special assessment process
- By laws, resolutions and/or ordinances are up to date
- System is part of a properly formed DWID

3.6 Managerial Capacity

- System has an operations and maintenance plan and manual to address site specific component replacement or repair protocols based on manufacturer's recommendations
- System has an emergency operation plan that has task-specific steps to perform in case of emergency
- System prepares an annual budget System can provide an annual audit
- System has written job descriptions for all positions so that employees know their responsibilities
- System has written personnel policies System can provide monthly financial statements
- System maintains a staffing and organizational chart that indicates reporting relationships of system personnel

3.7 System Compliance **must mail or upload supporting documents*

- Notice of violations and/or consent orders from regulatory agency *
- In compliance

SECTION 4: REQUESTED AMOUNT AND CERTIFICATION/APPROVAL

4.1 Estimated Date WIFA Funding Required: 9/1/2009 [mm/dd/yyyy]

4.2 Estimated Technical Assistance Costs & Funding Source (*Soft costs*)

Funding Source	Project Costs
Amount Funded Locally:	\$17,500.00
Amount Requested from WIFA:	\$35,000.00
Other Source: _____	\$0.00
Total Cost:	\$52,500.00

Important Note

The WIFA funded (grant) portion of the project is based on 2/3 of the eligible project costs, but will not exceed \$35,000. If the project is classified as a "green/sustainable" project, the local match is waived for an award up to \$35,000.

4.3 WIFA requires the governing body of the applicant requesting Project Technical Assistance to adopt a resolution acknowledging and authorizing the request for assistance. Attach a copy of the resolution or indicate the scheduled date for adopting the resolution.

Date Adopted or Estimated Date: 7/23/2009 [mm/dd/yyyy]

4.4 As the Authorized Representative, I certify that the information contained in this application is, to the best of my knowledge, true, accurate, and correct.

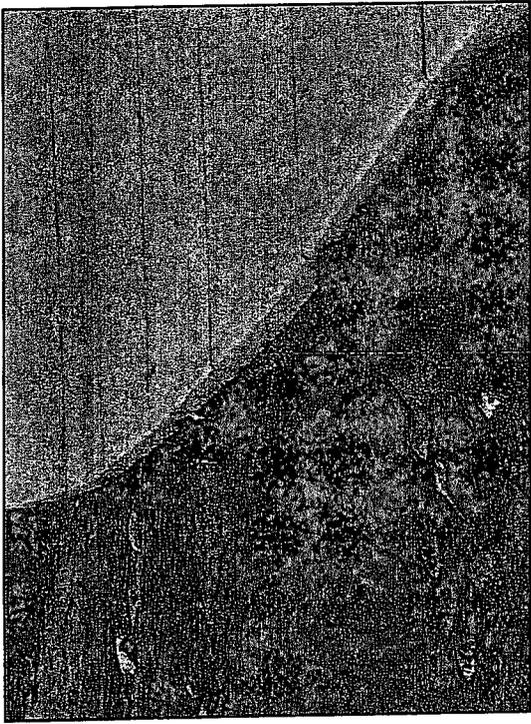
First Name	Last Name	Title
<u>Michael</u>	<u>Ploughe</u>	<u>Water Resources Manager Hydrogeologist</u>

4.5 Uploaded Supporting Documents

Reference Name	Document Name	Original Name	Date Added
Shore Line Erosion Pictures	<u>DOC-420001.pdf</u>	Shore Line Erosion at Green Valley Park.pdf	5/28/2009
Storm Water Sediment at GVP	<u>DOC-420002.pdf</u>	Storm Water Sediment at Green Valley Park.pdf	5/29/2009

Authorized Signature:  Date: 6/1/09

Shoreline Erosion at Green Valley Park



Storm Water Sediment at Green Valley Park

