



**PURCHASING ITEM
FOR
COUNCIL AGENDA
Memo No. CA12-021**

1. Agenda Item Number:
15
2. Council Meeting Date:
August 18, 2011

TO: MAYOR & COUNCIL
THROUGH: CITY MANAGER

3. Date Prepared: July 29, 2011
4. Requesting Department: Municipal Utilities

5. SUBJECT: Award a Project Agreement to CH2MHill for Dobson South Water Production Facility (WPF) Rehabilitation, Project No. WA1108-201, in an amount not to exceed \$240,041.

6. RECOMMENDATION: Staff recommends Council award a Project Agreement to CH2MHill for Dobson South Water Production Facility (WPF) Rehabilitation, Project No. WA1108-201, in an amount not to exceed \$240,041.

7. BACKGROUND/DISCUSSION: This project is a continuation of Municipal Utilities ongoing efforts to rehabilitate and modernize the City's older water production facilities. The Dobson South WPF was originally constructed to support water distribution system needs in the southwest portion of the City. The facility consists of a two-million gallon above ground steel reservoir and associated six-million gallons per day (mgd) capacity pumping station. The station is not in operation and is in need of rehabilitation to accommodate anticipated future operational needs within its service area. Work will include rehabilitation and painting of the steel storage reservoir and replacement of pump and electrical equipment with more efficient variable speed pumps and motors. The completed facility will play an important future role in maintaining water supply and pressure levels for the surrounding service area, particularly during peak demand hours.

This project includes condition assessment, rehabilitation design and related improvements for the Dobson South WPF.

8. EVALUATION: On May 26, 2011, Council approved annual contract EN1003-104 to CH2MHill for permitting, assessment, and design of water and wastewater facilities. Staff reviewed the scope of work, billing rates, and total fee for this project, compared them to historical costs, and determined they are reasonable.

9. FINANCIAL IMPLICATIONS:

Cost: \$240,041
Savings: N/A
Long Term Costs: N/A

Fund Source:

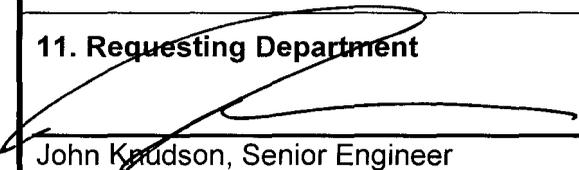
<u>Acct. No.:</u>	<u>Fund Name:</u>	<u>Program Name:</u>	<u>CIP Funded:</u>	<u>Amount:</u>
601.3820.0000.6713.8WA034	Water Bonds	Well Construction & Rehab	FY 07/08	\$240,041

10. PROPOSED MOTION: Move to award a Project Agreement to CH2MHill for Dobson South Water Production Facility (WPF) Rehabilitation, Project No. WA1108-201, in an amount not to exceed \$240,041, and authorize the Mayor to sign the contract documents.

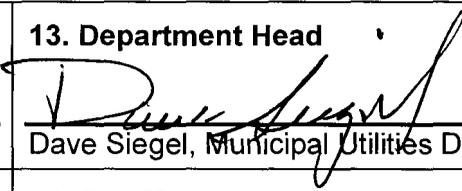
ATTACHMENTS: Location Map, Project Agreement

APPROVALS

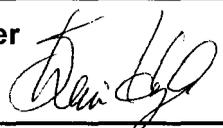
11. Requesting Department


John Knudson, Senior Engineer

13. Department Head


Dave Siegel, Municipal Utilities Director

12. City Engineer

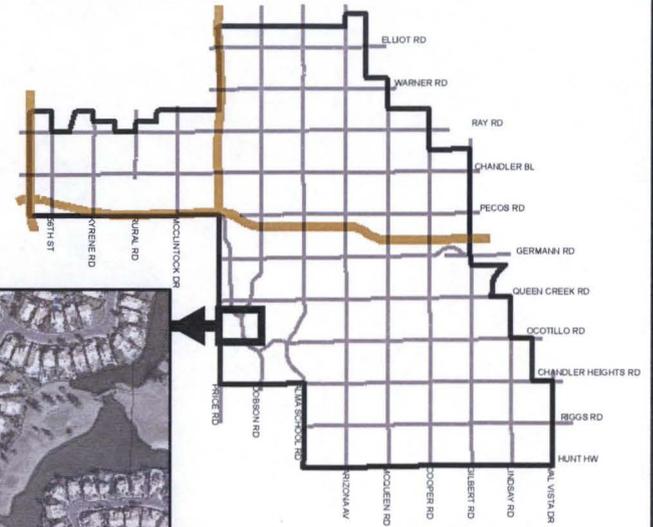

Sheina Hughes, City Engineer

14. City Manager


Rich Dlugas



DOBSON SOUTH WATER PRODUCTION FACILITY REHABILITATION PROJECT NO. WA1108-201



MEMO NO. CA12-021



**PROJECT AGREEMENT
PURSUANT TO ANNUAL CONTRACT NO. EN1003-104**

AGREEMENT NO: WA1108-201

This AGREEMENT is made this day of 2011, by and between the City of Chandler, a municipal corporation (hereinafter referred to as "CITY") and CH2M Hill, Inc., a corporation of the State of Florida licensed in the State of Arizona (hereinafter referred to as "Annual Consultant") and is a project agreement entered into pursuant to Annual Contract No. EN1003-104.

CITY and CH2M Hill, Inc., in consideration of the mutual covenants herein set forth, agree as follows:

ARTICLE 1. DESCRIPTION OF WORK

This project is Dobson South Water Production Facility Rehabilitation, Project Number WA1108-201. The scope of work consists of engineering services related to rehabilitation of the Dobson South Water Production Facility, all as more particularly set forth in Exhibit A attached hereto and incorporated herein by reference.

The Annual Consultant shall not accept any change of scope, or change in contract provisions, unless issued in writing, as a contract amendment and signed by the Contract Administrator.

ARTICLE 2. CONTRACT PRICE

CITY shall pay Annual Consultant for completion of the Work in accordance with the Contract Documents a fee not to exceed Two Hundred Forty Thousand Forty One Dollars (\$240,041) determined and payable as set forth in Annual Contract EN1003-104 and Exhibit B attached hereto and made a part hereof by reference.

ARTICLE 3. CONTRACT TIME

The contract time is two hundred seventy days and Annual Consultant agrees to complete all work within Two Hundred Seventy (270) days of the date CITY issues a Notice to Proceed.

ARTICLE 4. GENERAL

This Project Agreement is entered into pursuant to Annual Contract No. EN1003-104 and the terms and conditions contained therein are incorporated herein by reference as if set forth in full.

ARTICLE 5. ARIZONA PROCUREMENT LAW

Compliance with A.R.S. § 41-4401. Pursuant to the provisions of A.R.S. § 41-4401, the Consultant hereby warrants to the City that the Consultant and each of its subcontractors ("Subconsultants") will comply with all Federal Immigration laws and regulations that relate to the immigration status of their employees and the requirement to use E-Verify set forth in A.R.S. §23-214(A) (hereinafter "Consultant Immigration Warranty").

A breach of the Consultant Immigration Warranty (Exhibit C) shall constitute a material breach of this Contract that is subject to penalties up to and including termination of the contract.

The City retains the legal right to inspect the papers of any Consultant or Subconsultant employee who works on this Contract to ensure that the Consultant or Subconsultant is complying with the Contractor Immigration Warranty. The Consultant agrees to assist the City in the conduct of any such inspections.

The City may, at its sole discretion, conduct random verifications of the employment records of the Consultant and any Subconsultant to ensure compliance with Contractors Immigration Warranty. The Consultant agrees to assist the City in performing any such random verifications.

The provisions of this Article must be included in any contract the Consultant enters into with any and all of its subcontractors who provide services under this Contract or any subcontract. "Services" are defined as furnishing labor, time or effort in the State of Arizona by a consultant or subconsultant. Services include construction or maintenance of any structure, building or transportation facility or improvement to real property.

In accordance with A.R.S. §35-393.06, the Consultant hereby certifies that the offeror does not have scrutinized business operations in Iran.

In accordance with A.R.S. §35-391.06, the Consultant hereby certifies that the offeror does not have scrutinized business operations in Sudan.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the day and year first written above.

This Agreement will be effective on this _____ day of _____, 2011.

CITY OF CHANDLER

FOR THE ANNUAL:

MAYOR DATE:

By: Thomas McLean
Title: VICE PRESIDENT

ADDRESS FOR NOTICE
City of Chandler
P.O. Box 4008, Mail Stop 407
Chandler, AZ 85244-4008
480-782-3307

ADDRESS FOR NOTICE
Mr. Tom McLean
CH2M Hill
2825 S. Plaza Dr., Ste. 300
Tempe, AZ 85282-3397

APPROVED AS TO FORM:

Phone: 480-966-8188
Fax: 480-966-9450

ATTEST: City Attorney By: [Signature]

City Clerk

EXHIBIT A SCOPE OF WORK

This purpose of this project is to perform a condition assessment and design improvements for the refurbishment and commissioning of an existing water storage and booster pumping facility. The Dobson South Water Storage and Booster Pump Station was originally constructed to support water supply and distribution system needs in the southern portion of Zone 1. The facility consists of a 2 million gallon steel reservoir and an associated 6 million gallons per day capacity pumping station. At this time, a number of improvements are needed to upgrade the facility in order to accommodate the anticipated future operational needs within its service area. The steel storage reservoir needs to be reconditioned. The pumping equipment needs to be upgraded in capacity and replaced with variable speed driven motors to be compatible with the current hydraulic system operation. The completed facility will play an important future role in maintaining water supply and pressure levels in the surrounding service area particularly during the peak demand seasons.

The City has requested the ANNUAL CONSULTANT to perform a condition assessment of the plant facilities. A preliminary report of findings will be provided along with recommendations outlining the needed improvements. The project scope will include design services for the preparation of construction documents for bidding purposes.

Work Tasks

Task 1: Project Administration

ANNUAL CONSULTANT shall provide project management services that include planning, organizing, staffing, and coordinating the work efforts of the team members and subconsultants. In addition, ANNUAL CONSULTANT shall be responsible for preparing monthly status reports, invoices, meetings with the City's Project Manager, quality control, and project delivery.

Task 1.1: Project Management

Prepare Scope, Budget, and Work Plan: ANNUAL CONSULTANT shall prepare and update a detailed scope, schedule, and work plan describing the project elements, specific staffing levels, schedule, responsible persons, deliverables, budget, quality assurance, and health and safety.

Prepare Progress Reports: ANNUAL CONSULTANT shall prepare and submit a monthly progress report and invoice to the City. The reports will include information on the status of the project, budget spent, budget remaining, conformance to the schedule, reasons for any deviation from the plan, and a listing of critical items anticipated to occur the following month.

Project Coordination: ANNUAL CONSULTANT shall coordinate the work of sub-consultants, including surveying and SCADA integration.

Task 1.2: Project Meetings

It is anticipated that ANNUAL CONSULTANT will meet with City staff on three separate occasions, including; i) Kick-off meeting, ii) 60-percent deliverable, and iii) 90-percent deliverable. These meetings will be attended by the ANNUAL CONSULTANT's Principal In Charge and Project Manager. The purpose of these meetings is to review the project status, budgets, schedule, and performance issues. ANNUAL CONSULTANT shall also attend one pre-bid meeting.

During the kick-off meeting, it is anticipated that ANNUAL CONSULTANT and City will establish project and system performance objectives, including flow capacity and maximizing the performance capability of this water production facility.

Deliverables:

- ANNUAL CONSULTANT shall prepare and distribute meeting minutes to the project team via e-mail.

Task 1.3: Provide Quality Assurance

ANNUAL CONSULTANT shall review the work plans and provide input to project management. ANNUAL CONSULTANT shall also review work products for quality assurance and quality control.

Task 2: Facility Condition Assessment and Preliminary Design

Task 2.1: Review Records

At the kick-off meeting, ANNUAL CONSULTANT shall collect from the City all requested information from the City. ANNUAL CONSULTANT shall review shop drawings of the tank, piping, suction header, and mechanical appurtenances to determine locations of field joints, potential points of corrosion, as well as identify features in the tank and piping that warrant inspection and validation during field testing. ANNUAL CONSULTANT shall review as-built drawings for the presence of cathodic protection, insulating flanges, and available test stations.

Additional information to be reviewed includes the following:

- Geotechnical reports,
- Maintenance Records,
- Historical performance and testing information, and
- City's related operational data.

Task 2.2: Facility Condition Assessment

ANNUAL CONSULTANT shall conduct a site tour and facility condition assessment with the City. It is assumed that the site visit will include the ANNUAL CONSULTANT's Principal In Charge, Project Manager, and task managers for the corrosion, mechanical, and electrical design portions of the project. The intent of the facility condition assessment will be to evaluate all portions of the water production facility, including:

- Storage tank and pump station,
- Disinfection systems,
- Power, SCADA, controls systems,
- Hydraulic capacity of the inlet/outlet piping,
- Normal operating procedures, and
- Interface with local distribution system.

ANNUAL CONSULTANT shall conduct an investigation of the steel storage tank and pump cans through the use of internal inspection of the tank and visual inspection of the pump cans. It is assumed that the tank has been fully taken out of service and that the City will prepare the tank for a confined space entry, and that the ANNUAL CONSULTANT will follow the City's standard procedures for a confined space entry. ANNUAL CONSULTANT shall make a confined space entry into the storage tank to perform a visual inspection, including an evaluation of lining system, steel thickness, pipe penetrations, and floor condition. ANNUAL CONSULTANT shall evaluate the coating system at the tank, including coating thickness, and whether the coating is lead-based. The City will be present during the tank inspection and will provide step ladders and other equipment as necessary to allow ANNUAL CONSULTANT's inspectors to inspect the interior roof of the tank. A corrosion evaluation of the pump cans will include a visual inspection of the cans, and it is assumed the City will remove the pumps prior to the inspection, and will also provide the ANNUAL CONSULTANT a video of the pump cans. ANNUAL CONSULTANT shall inspect exposed steel within the pump cans and measure thickness using ultrasonic gauging. Excavation to expose the buried piping and exterior of the pump cans is not included in this scope of work, and the ANNUAL CONSULTANT will not assess the soil corrosivity on buried piping, pump cans, and tank.

In addition to the Facility Condition Assessment, ANNUAL CONSULTANT shall also coordinate with the City and Intel to determine whether a dedicated connection point to the Intel facilities will be required on the discharge side of the pumps. It is assumed all such coordination will occur by telephone.

Task 2.3: Survey and Subsurface Utility Excavation (SUE)

It is assumed that existing electronic survey of the project site is not available. ANNUAL CONSULTANT shall prepare a topographic survey for this site, to include spot elevations, contours, depiction of existing above-ground utilities and painted marks for the below ground utilities, drainage features, facilities, and major vegetation. ANNUAL CONSULTANT shall set one permanent monument at locations deemed necessary to support construction. It is assumed that the coordinate system for establishing the Project Control Network will be North American Datum of 1983 (NAD-83)(1992) adjustment, Arizona State Plane Coordinate System in feet with both grid and ground coordinates. The vertical datum will be North American Vertical Datum of 1988 (NAVD88). The Coordinate system will be confirmed with the City prior to proceeding.

ANNUAL CONSULTANT has assumed that approximately six potholes will be required at the site for the purposes of determining the depth to underground conduits. A SUE subconsultant will perform the pothole work, however, it is assumed that City utility locators will provide location marks on the ground to assist the SUE subconsultant.

Task 2.4: Report of Findings and Recommendations for Improvements

Based on the data review and facility condition assessment, the ANNUAL CONSULTANT shall provide written recommendations to the City as to what improvements should be made to the existing facilities. Additionally, ANNUAL CONSULTANT shall work with the City to develop the hydraulic criteria to establish design flow-rate and pressure for the pump station. ANNUAL CONSULTANT shall develop a technical memorandum (TM) to

summarize the findings and recommended improvements, as well as clarify the design criteria for the improvements to be performed. The following is a list of items that will be included in the TM:

- Hydraulic evaluation and pump selection criteria,
- Connection points to the distribution system,
- Piping materials and pressure classes,
- Thrust restraint methods,
- Valve selection and location,
- Cathodic protection systems,
- Preliminary SCADA control concepts,
- Construction access,
- Disinfection requirements, and
- Redundant power or standby power supply.

Deliverables:

- ANNUAL CONSULTANT shall prepare 5 copies of a DRAFT TM, and will incorporate City's review comments to prepare 5 copies of the FINAL TM.

Task 3: Engineering Design

The purpose of this task is to prepare final construction drawings, specifications, construction schedule and construction cost estimate. Deliverables for this task will include design submittals at 60, and 90 percent-complete and final construction documents. The specifications will be completed using ANNUAL CONSULTANT's master specifications using the new CSI 49 Division Specifications format, and drawings will be created in Microstation using the Consultant's drawing standards.

For the 60 percent submittal, ANNUAL CONSULTANT shall prepare:

- Design Development drawings,
- Technical specifications, and
- Process control descriptions.

For the 90 percent submittal, ANNUAL CONSULTANT shall prepare:

- Detailed design drawings;
- Technical specifications; and
- Engineer's cost estimate.

ANNUAL CONSULTANT shall provide five copies (11"X17") of the 60 and 90 percent deliverables to the City. The list of project drawings provided below will be refined as the project progresses.

Project Design Drawings

Title Sheet and Location Map

General

General Notes and Index

Civil and Mechanical Legend and Notes

Electrical Legend and Notes 1

Electrical Legend and Notes 2

Instrument and Control Legend 1

Instrumentation and Control Legend 2

Civil/Mechanical

Overall Site Plan

Storage Tank Rehabilitation Plans, Section and Elevation

Storage Tank Rehabilitation Details

Sodium Hypochlorite Feed Pumps and Details

Pump Station Plan

Pump Station Sections

Pump Station Details I

Structural

Structural Support Plans and Sections

Structural Support Details

Instrumentation and Controls

P&ID Storage Reservoir

P&ID Booster Pumps

P&ID Disinfection System

Control Panel Elevations

Electrical

Power Plan – Site and Partial Plan – Booster Pump Station

Booster Pump Station Power One Line Diagram and MCC Elevation

Power Plan – Booster Pump Station

Chlorination Partial Plan

Control Schematic – Pump Controls 1

Control Schematic – Pump Controls II

Control Schematic – Local Control Panel I

Control Schematic – Local Control Panel II

Control Schematic – Control Valves

Panel Schedules

Cable and Conduit Schedule

Supplemental Electrical Details I

Supplemental Electrical Details II

ANNUAL CONSULTANT shall conduct meetings to review the City's comments at the 60 and 90 percent submittal phases. Prior to the workshops, the City will prepare one set of collated comments and submit them to ANNUAL CONSULTANT. ANNUAL CONSULTANT shall adjudicate all of the City's comments prior to moving to the next stage of design. The meetings will be held at the City.

ANNUAL CONSULTANT shall modify the contract documents to reflect all agreed-upon final review comments from the City, and the ANNUAL CONSULTANT's quality control review team. ANNUAL CONSULTANT shall submit one reproducible set of 100 percent complete mylars and 5 copies of the final Bid Documents (full size drawings and specifications) to the City. ANNUAL CONSULTANT shall deliver electronic drawings to the City in AutoCAD format.

Task 3.1: Civil/Mechanical Design

The mechanical design will include the following tasks:

Storage Tank Rehabilitation and Lining System: ANNUAL CONSULTANT shall prepare drawings and specifications for the rehabilitation of the storage tank, including lining removal, surface preparation, new lining systems, exterior coatings, and other cathodic protection systems as required from the preliminary findings. Additionally, ANNUAL CONSULTANT shall design improvements and replacements of tank appurtenances, and other supporting mechanical features, if necessary.

Pump Selection: Based on the results of the final hydraulic calculations and capacity needs, ANNUAL CONSULTANT shall identify pump suppliers for consideration by the City. ANNUAL CONSULTANT shall provide system curves, pump curves, and specifications for the recommended pumping units to the City for review.

Task 3.2: Structural Design

Existing structures or interior pump station perimeter walls at the project site may have to be modified depending on the final design layout of the pump station. It is assumed that no changes to the exterior site perimeter wall will be required. ANNUAL CONSULTANT shall use existing structures to the extent possible. It is anticipated that the structural design elements will include the following tasks:

Concrete Support Structures: ANNUAL CONSULTANT shall design support structures for revised mechanical and electrical power distribution equipment including standby generator equipment (if needed), electrical panels, and modified pump bases.

Existing Structure Modifications: ANNUAL CONSULTANT may expand the site footprint to include additional space for Adjustable Frequency Drives. Modifications to existing structures may include expansion of the pump station perimeter wall.

Task 3.3: Instrumentation and Controls (I&C)/Electrical Design

Electrical Power Requirements: ANNUAL CONSULTANT shall determine power and standby power requirements for the upgraded pump station. ANNUAL CONSULTANT shall prepare a storage tank and pump station one-line diagram for the purpose of identifying reservoir and pump station power distribution layout, motor control, preliminary demand and connected electrical loads and utility service requirements.

Design I&C and Electrical: As part of the condition assessment, it is assumed that all instrumentation within the storage tank and at the pump station will be replaced. ANNUAL CONSULTANT shall select and specify required replacement instrumentation, such as level sensors and transmitters at the reservoir and flow and pressure instrumentation at the pump station. The design will also include protection and demand power instrumentation for pumps and power distribution equipment.

ANNUAL CONSULTANT shall provide a control philosophy (local control, supervisory control, level of automation, etc.) for the project. It is assumed the pump station will include installation of a programmable remote terminal unit (RTU) or programmable logic controller (PLC) with radio telemetry which will interface with the reservoir and pump station process equipment and instrumentation and provide both local and remote automatic control and monitoring (i.e. SCADA). It is assumed that a SCADA telemetry infrastructure is in place and capable of incorporating pump station controls.

It is assumed telemetry and communication with central SCADA will be implemented using licensed radios and that the City has the required frequency licenses, master polling radio(s) and connections with central SCADA. It is assumed an additional telemetry path analysis is not required to incorporate the pump station into the City's existing telemetry system.

ANNUAL CONSULTANT's design will include a common interface enclosure for all control signals, and will provide a one-stop tie-in point for SCADA interface.

The following are task items included in the scope of services:

- Specifications of Electrical and local I&C equipment. It is assumed that calibration and integration to the SCADA system will be performed by the City;
- Motor and instrumentation control diagrams; and

- Process control loop descriptions.

It is assumed that during the Construction phase, the Contractor will provide and assemble all local instrumentation and control components and hardware (instruments, enclosures, control panels, wiring and etc.).

Task 3.4: SCADA Integration

SCADA integration of the systems controls will be performed by Jensen Systems. It is assumed the integration and programming of local and remote hardware and software during Construction, as well as providing testing, commissioning, documentation, and training of City personnel will be performed during the Construction phase and is not included in this Scope.

Task 3.5: Cost Estimating

ANNUAL CONSULTANT shall prepare an engineering cost estimate at the 90 percent design phase.

Task 3.6: Permitting

ANNUAL CONSULTANT shall assist the City in preparing an Approval to Construct permit. ANNUAL CONSULTANT shall submit 90% deliverables to Maricopa County Department of Environmental Services (MCESD) for review, and will incorporate MCESD comments into the final deliverable. ANNUAL CONSULTANT has assumed permit fees of approximately \$2,500, which is included as an additional expense in this scope of work. It is assumed that the Approval of Construction permit and As-Built certification will be performed by the Contractor.

Task 3.7: Bidding Services

ANNUAL CONSULTANT shall attend one pre-bid meeting to answer questions asked during the meeting, and will respond to further inquiries during the bidding period. It is assumed that contractor inquiries will be routed through the City and ANNUAL CONSULTANT will respond directly to the City. It has been assumed that the City will communicate directly with all contractors. ANNUAL CONSULTANT shall also support the City in the evaluation of qualified bid submittals.

Deliverables:

- ANNUAL CONSULTANT shall submit responses to bidding questions to the City electronically.

Responsibilities of City

The following are responsibilities of the City staff during the project:

- Make available pertinent data affecting design, geotechnical reports, maintenance records, historical performance and testing information, operational data, and record drawing of City facilities within the limits of the project;
- Reproduce bidding documents; and
- Distribute bidding documents to prospective bidders.

List of Assumptions

- No new geotechnical work will be required at the project site.
- The current power supply to the site is adequate, and new power supply will not be required.
- A system-wide hydraulic, surge, and water quality evaluation will not be required for this project.
- A drainage report will not be required for this work, as site grading should not appreciably change.
- Improvements to exterior site perimeter wall and access roads are not required.
- Site security, and other security systems within the project site are assumed to be adequate and do not require upgrading.
- The Approval of Construction Permit and as-built certification will be performed separately.

Design Schedule

Notice to Proceed with Design	TBD
Kick-off Meeting and Site Visit with City	NTP + 2 weeks
Site Visit and Corrosion Inspection	NTP + 4 weeks
Complete Survey	NTP + 4 weeks
Submit DRAFT Report of Findings	NTP + 6 weeks
Pre-Design Workshop	NTP + 8 weeks
Submit FINAL Report of Findings	NTP + 10 weeks
Submit 30-Percent Design	NTP + 16 weeks
City Review of 30-Percent Complete	NTP + 18 weeks
Submit 60-Percent Design	NTP + 24 weeks
City Review of 60-Percent Complete	NTP + 26 weeks
Submit 90-Percent Design and Specifications	NTP + 32 weeks
City Review of 90-Percent Complete	NTP + 34 weeks
Submit 100-Percent Contract Documents	NTP + 36 weeks

**EXHIBIT B
FEE SCHEDULE**

Labor Summary with Expenses/Travel											
Task	Description	Principal \$180	Project Manager \$150	Senior Technologist \$168	Project Engineer \$150	Associate Engineer \$125	Staff Engineer \$115	Junior Tech \$85	Admin/Acct \$80	Total Hrs	Total Fee
1.1	Project Management	14	98	28					80	220	\$28,324
1.2	Project Meetings	12	12							24	\$3,960
1.3	Quality Assurance			51						51	\$8,568
2.1	Review Records			8		32				40	\$5,344
2.2	Condition Assessment	4	8	12		20				44	\$6,436
2.3	Survey and SUE						16			16	\$1,840
2.4	Report of Findings		32	12		32				76	\$10,816
3.1	Civil/Mechanical Design			24		216	32	284		556	\$58,852
3.2	Structural Design						40	44		84	\$8,340
3.3	I&C/Electrical Design					204		408		612	\$60,180
3.5	Cost Estimating				34					34	\$5,100
3.6	Permitting						40			40	\$3,850
3.7	Bidding Services		24			8				32	\$5,350
						612	125	738	80	1,829	\$208,860
											\$3,170
											\$210,130
Other Costs											
2.3	Survey and SUE	(Aztec Engineering)									\$9,411
3.4	SCADA Integration	(Jensen Systems)									\$18,000
3.6	Permit Fees	(to MCESD)									\$2,500
											\$29,911
										TOTAL FEE	\$240,041

EXHIBIT C

**Contractor Immigration Warranty
To Be Completed by Consultant Prior to Execution of Contract**

A.R.S. § 41-4401 requires as a condition of your contract verification of compliance by the consultant and subconsultants with the Federal Immigration and Nationality Act (FINA), all other Federal immigration laws and regulations, and A.R.S. § 23-214 related to the immigration status of its employees.

By completing and signing this form the Engineer/Annual Consultant shall attest that it and all subconsultants performing work under the cited contract meet all conditions contained herein.

Project Number: WA1108-201		
Name (as listed in the contract):		
Street Name and Number:		
City: Chandler	State: AZ	Zip Code:

I hereby attest that:

1. The Engineer/Annual Consultant complies with the Federal Immigration and Nationality Act (FINA), all other Federal immigration laws and regulations, and A.R.S. § 23-214 related to the immigration status of those employees performing work under this contract;
2. All subconsultants performing work under this contract comply with the Federal Immigration and Nationality Act (FINA), all other Federal immigration laws and regulations, and A.R.S. § 23-214 related to the immigration status of their employees; and
3. The Engineer/Annual Consultant has identified all consultant and subconsultant employees who perform work under the contract and has verified compliance with Federal Immigration and Nationality Act (FINA), all other Federal immigration laws and regulations, and A.R.S. § 23-214.

Signature of Engineer/ Annual Consultant (Employer) or Authorized Designee:

Thomas McLean

Printed Name: THOMAS MCLEAN

Title: VICE PRESIDENT

Date (month/day/year): 7/29/2011