

CITY CLERK ORIGINAL

C-7062-1
07/23/2012

Amendment No. 1 to the Agreement for Professional Services

New River and Grand Canal Multi-Use Path Project; Maryland Avenue Spot
Improvements

City Project Nos. 067006; 067005; 091003

This Amendment No. 1 to the Agreement for Professional Services for Contract C-7062 Amendment No. 1 is made this 23 day of July, 2012 by and between the City of Glendale, an Arizona municipal corporation ("City") and CH2M HILL a Colorado corporation authorized to do business in Arizona ("Consultant").

RECITALS

- A. Consultant is currently under contract with the City on the above-referenced project;
- B. Since the inception of the work, the scope and requirements have changed substantially and cannot be expanded or corrected through change orders or change directives;
- C. The changes in the Scope of Work will benefit the City; and
- D. Expanding the Scope of Work (attached Amended Exhibit B) under the original Agreement will allow the work to be completed under the appropriate professional standards and represents a cost savings to the City.

AGREEMENT

The original Agreement for Professional Services for Project Nos. 067006; 067005; 091003 is amended as follows:

Section 4. Additional compensation for the change in the Scope of Work will not exceed \$81,197 as specifically detailed in the attached Amended Exhibit D (compensation).

Section 15. The following Amended Exhibits are incorporated by reference as though fully set forth in this Amendment:

Amended Exhibit B
Amended Exhibit D

Scope of Work
Compensation

All other terms and conditions not amended by this writing remain unchanged and enforceable as found in the original Agreement C-7062 currently on file in the Office of the City Clerk, City of Glendale.

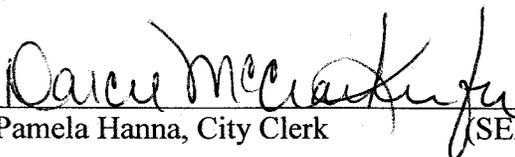
“City”:

CITY OF GLENDALE, an Arizona
municipal corporation



Horatio Skeete, Acting City Manager

ATTEST:



Pamela Hanna, City Clerk (SEAL)

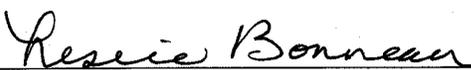
APPROVED AS TO FORM:



Craig Tindall, City Attorney

“Consultant”:

CH2M Hill, Inc.
a Colorado corporation licensed to do
business in Arizona



Leslie Bonneau, Vice President

**PROFESSIONAL SERVICES AGREEMENT – AMENDED EXHIBIT B
SCOPE OF WORK**

Glendale Project Numbers:

**New River – 067006; Grand Canal – 067005; Maryland Spot Improvements –
091003**

**New River and Grand Canal Multiuse Path Projects
Maryland Avenue Spot Improvements
Glendale and Phoenix, Arizona**

Ballpark Blvd Removal and Waterline Design (Amendment #1 to C-7062)

General Information

This scope of work (SOW) is to provide professional engineering services necessary for the pathway redesign and waterline designs as it pertains to the elimination of Ballpark Boulevard (BPB) and a City of Glendale Waterline from the construction documents. It has been determined that BPB and associated improvements including a water line and power source will not be constructed prior to the construction of the Multi-Use Pathway projects. The electronic model files inclusive of BPB are no longer applicable. Furthermore, the water and power sources as currently designed for are no longer available. As such, the purpose of this task is to redesign the pathway to address the impacts associated with BPB not being constructed and to design a water source for irrigation purposes.

The scope of work for the New River Multi-use Pathway project is to prepare a new base model for this section of New River Pathway, realign the southern five hundred feet to avoid SRP Right of Way, design for a power source for landscape/irrigation use and update all plans impacted by the removal of BPB and the City of Glendale Waterline projects. The landscape/irrigation plans will be redesigned accordingly and to reflect a new waterline design extending from the Glendale Avenue water source.

The scope of work for the Grand Canal Multi-use Pathway project is to design a new waterline for irrigation use, design for a power source for landscape/irrigation use and update all plans impacted by the removal of BPB and the City of Glendale Waterline projects.

This SOW is an amendment to the SOW under Contract C-7062. These elements were not included in the original design scope of work. The scope of work and fee estimate presented below is based on preliminary information provided to CH2M HILL.

Implementation of the design is anticipated to involve the following technical disciplines:

Discipline	Primary Responsibility or Project Involvement
Project Management	Extended Primary client interface and design team direction
Civil Engineering	Site and drainage redesign, waterline design
Landscape Architecture	Landscape and irrigation redesign, irrigation power revisions and specification
Environmental Planning	Changes may necessitate CE Amendment
Structures	Analysis of fill/headwall extension over Grand Drain box culvert

CH2M HILL New River Task Overview

Task 1 – Project Management

- **General Coordination** –Project Manager oversight of the contract modification including contracting and design coordination. An initial setup of 4 hours is assumed for administrative assistance for contracting.
- **QC Reviews (1)** – QC/QA of the 95% plans had been completed prior to the notification that BPB and the waterline would not be constructed. The 95% Quality Review will need to be performed again by quality control engineer prior to submittal of the revised 95% plans for New River plans.

Task 2 – Pathway Redesign and Drainage Evaluation

- **Surface Modeling** – The BPB design surface (DTM) will be eliminated from the New River design model. After the New River pathway is remodeled, new cross sections will be developed and toes of slopes will be examined. The revised surface model design will be evaluated for impacts to the existing and previously designed features. The features to be evaluated are:
 - Major drainage crossing at approximate Station 10+10 (SRP outfall)
 - Major drainage crossing at approximate Station 42+30 (SRP Grand Drain)
 - Changes to limits of new safety rail and modification of existing safety rail
 - Changes to limits of new and existing fencing
 - Revised Bollard placement for access control to Multi-use Path (MUP)
- **Pathway Redesign** – Approximately 600' of the New River Multi-use path (MUP) will be redesigned to provide an at-grade alignment in the area where the proposed Ballpark Boulevard (BPB) project was to be constructed. CH2M HILL will design a 10-foot-wide asphalt concrete multiuse path from the north terminus of the existing 107th Avenue bridge (over the Bethany Home Outfall Channel, Station 5+58) and connect to the previously designed concrete MUP alignment at approximate Station 11+50. The temporary section of the MUP will not be landscaped.

- **Plan Preparation** – Revise 95% plans to incorporate changes for Quality Review prior to 95% submittal. Design of eliminated elements will be archived and electronic files provided to the City. Impacted Sheets:
 - Index of Sheets (1)
 - Typical Section Sheets (1)
 - New Pipe Summary Sheets (1)
 - Fencing Summary (1)
 - Geometric Data Sheets (1)
 - Geometric Layout Sheets (1)
 - Layout and Grading Sheets (6)
 - Staking Plan (1)
 - Drainage Details (3)
 - Retaining Wall Plans (Possibly eliminate all walls – 4 sheets)
 - Eliminate Pavement Marking Plans (2)
 - Eliminate Traffic Signal Plans (3)

The plans for all improvements shall be in conformance with the latest edition of the ADOT Standards and Specifications. All pedestrian facilities will be in accordance with the latest ADA Guidelines.

Task 3 – Landscape/Irrigation Redesign - J2 Engineering and Environmental will provide landscape/irrigation design as a subconsultant to CH2M HILL. The revisions to the landscape/irrigation plans include the following:

- **Landscape/Irrigation Redesign** – Elimination of irrigation water tap previously provided as part of the Ballpark Boulevard project. The elimination of this irrigation water tap will result in the modification of irrigation plans as the water tap at Glendale Avenue will have to be increased in size, backflow prevention changed, water pressure losses recalculated, and irrigation water line pipe sizes and valve locations re-adjusted to accommodate for the revised water supply size. Irrigation controller locations will be necessitated by these changes. Landscape and Irrigation Plans will also be revised to reflect the removal of features and redesign of landscape and irrigation to accommodate the pathway design changes.
- **Landscape/Irrigation Plan Preparation** – Revise 95% plans to incorporate changes for Quality Review prior to 95% submittal. Design of eliminated elements will be archived and electronic files provided to the City. Impacted Sheets:
 - Landscape Plans (5 sheets)
 - Landscape Summary Sheet (1)
 - Irrigation Plans (10)
 - Irrigation Detail Sheets (1)
 - Irrigation Summary Sheet (1)
 - Specifications

CH2M HILL Grand Canal Task Overview

Task 1 – Project Management

- **ADOT Environmental Coordination** –Project Manager oversight of the task order including environmental and design coordination. ADOT has expressed that the environmental documents may need to be modified to address the design changes. This task will provide for an addendum to be prepared and submitted to ADOT.
- **Project Meetings** – the original scope provided for a 12 month project duration which has now been exceeded. This task provides for an additional 4 project monthly meetings and includes both New River and Grand Canal.
- **QC Reviews (1)** – QC/QA of the 95% plans had been completed prior to the notification that BPB and the waterline would not be constructed. The 95% Quality Review will need to be performed again by quality control engineer prior to submittal of the revised 95% plans for Grand Canal plans.

Task 2 – Waterline Design

- **Waterline Design** – A separate waterline will be required for the Grand Canal pathway. This task will include coordination with the City of Phoenix (COP) for a design to tap into an existing COP 12" waterline.
- **Plan Preparation** – Prepare 95% plans to incorporate new waterline into plans for Quality Review prior to 95% submittal. Anticipated Sheets:
 - Waterline Plans and Profiles (2)
 - Waterline Details (1)

The plans for all improvements shall be in conformance with the latest edition of the ADOT Standards and Specifications.

Task 3 – Landscape/Irrigation Redesign - J2 Engineering and Environmental will provide landscape/irrigation design as a subconsultant to CH2M HILL. The revisions to the landscape/irrigation plans include the following:

- **Irrigation Redesign** – Elimination of irrigation water tap previously provided as part of the Ballpark Boulevard project. The elimination of this irrigation water tap will result in the modification of irrigation plans to change the irrigation control power source along Grand Canal to a solar power supply. Irrigation Plans will be revised to reflect the new power source and water tap location.
- **Irrigation Plan Preparation** – Revise 95% plans to incorporate changes for Quality Review prior to 95% submittal. Design of eliminated elements will be archived and electronic files provided to the City. Impacted Sheets:
 - Irrigation Plans (2)
 - Irrigation Detail Sheets (1)
 - Irrigation Summary Sheet (2)
 - Specifications

Assumptions

In preparing this level of effort estimate, the following assumptions and exclusions apply:

- The fees assume that property information will be provided by others and does not include right-of-way work other than coordination with other consultants.
- No additional survey work will be required.

PROFESSIONAL SERVICES AGREEMENT – AMENDED EXHIBIT D

COMPENSATION

METHOD AND AMOUNT OF COMPENSATION

DETAILED PROJECT COMPENSATION

Basic Consultant Fee	\$ 713,065
Construction Phase Services	\$ 107,031
Amendment No. 1 (Additional design work)	<u>\$ 81,197</u>
Total Professional Services Fee	<u>\$ 901,293</u>