



**City of Desert Hot Springs**

**ENGINEERING DESIGN SERVICES FOR  
BICYCLE AND PEDESTRIAN FACILITIES PROGRAM-DESERT VIEW  
AVENUE**

**TECHNICAL PROPOSAL**

**February 08, 2018**

**CITY OF DESERT HOT SPRINGS  
ATP CYCLE 3 – PALM DRIVE BICYCLE AND PEDESTRIAN IMPROVEMENT  
PROJECT**

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February 8, 2018

City of Desert Hot Springs  
65-950 Pierson Blvd.  
Desert Hot Springs, CA 92240

Attn: Hal Goldenberg  
Re: Bicycle and Pedestrian Facilities Program-Desert View Avenue

Dear Mr. Goldenberg:

The staff of HEITEC is pleased to respond to the City's Request for Proposal (RFP) to perform the necessary professional services for Bicycle and Pedestrian Facilities Program-Desert View Avenue design. The information contained in this letter is a synopsis of our understanding of the project and the Consultant's responsibilities.

### **PRIMARY CONTACTS**

Michael D. Hacker, Project Engineer; John Rodriguez, Senior Project Manager will be the primary contact for this project. John Rodriguez will be responsible for the majority of the communication between the Consultant and the City Staff. Mr. Rodriguez may be reached at (760) 668-5723.

### **QUALIFYING STATEMENT**

Our personnel has extensive experience and knowledge in the preparation of street and utility design, both in City of Desert Hot Springs and the water, sanitation and utility companies in surrounding communities.

### **PROJECT SCOPE**

The scope of work will include the preparation of the necessary documents, including a design report, plan and profiles as outlined in the scope of work.

## **CONCLUSION**

We appreciate this opportunity to present this proposal and our qualifications for this major project.

This proposal shall remain valid for a period of 120 days from the date of submittal.

Very truly yours,

**HEITEC Consulting**

A handwritten signature in black ink, appearing to read "M.D. Hacker".

Michael D. Hacker, PE  
Partner

A handwritten signature in blue ink, appearing to read "John Rodriguez".

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John Rodriguez  
Partner

# **STATEMENT OF QUALIFICATIONS – Section B**

## **INTRODUCTION**

The staff of HEITEC Consulting has a proven record in providing engineering expertise in the design of the basic elements of infrastructure. Our staff is well qualified and experienced in infrastructure design. Being located in the Desert for over twenty five years, we are also very familiar with local infrastructure conditions and requirements.

## **QUALIFICATIONS**

Our staff is well qualified to perform the services needed for this project. The following is a listing of the primary reasons we should be selected.

### **Knowledge of the Local Area**

Our principals have been located in the Desert since the early 1980's. Michael Hacker and John Rodriguez have lived and worked in the area for over twenty years, and as a result is very knowledgeable with local requirements and the best way to approach infrastructure resolution. This knowledge is vital to preparing the correct solution for street improvements and to create the greatest benefit to the community.

### **Qualifications/Team Experience**

For more than twenty-five years, our staff has been a leader in the field of land development and municipal engineering, specializing in civil engineering design, surveying and land planning.

From the design of street improvements, grading plans, water and wastewater systems, storm drains, street lighting, and more, our well qualified staff has successfully completed hundreds of projects in all aspects of infrastructure work. Performing on a broad spectrum of public and private endeavors, the firm offers the full array of services from project planning through construction.

Our list of engineering projects for various public agencies and municipalities include the preparation of street rehabilitation plans, alignment studies, drainage studies and reports, sewer and water plans, traffic signal plans, annexation documents, project specifications and bid documents, and right of way and easement plats and legal descriptions.

The Team members all have extensive experience in proper grading, drainage, street and utilities design and they are very familiar with the City of Desert Hot Springs design standards.

## **Commitment**

We are committed to this project. The importance of this project is indicated by our commitment of senior personnel with proven track records. Additional staff will be assigned as necessary to comply with schedule deadlines. As with past projects that we have completed for municipal agencies, we will perform the work required on time and within budget.

We are confident that we can perform this work in accordance with the Cities specifications and guidelines. The City of Desert Hot Springs may be assured that this project will receive the highest level of commitment on the part of our staff to provide contract deliverables of the highest quality and accuracy.

## **STAFFING PLAN**

HEITEC Consulting will assign the following principals and staff to assist in the preparation of the Contract Documents and construction plans.

Project Engineer: Michael D. Hacker, PE

Project Coordinator: John Rodriguez, LSIT

Senior Surveyor: David Hacker, PLS

Other members of our staff may be assigned as necessary to comply with schedule deadlines.

We have included for your perusal the resumes for those performing the design aspects of this project.

## **MICHAEL D. HACKER, P.E.**

### **EDUCATION**

University of California, San Diego; University of California, Long Beach; University of California, Riverside; Computational Hydrology Institute and various professional seminars.

### **PROFESSIONAL LICENSE**

Registered Civil Engineer No. 55606 – State of California (July 26, 1996)

### **EXPERIENCE**

Mr. Hacker is a Partner, Project Engineer and Hydrologist for HEITEC. Prior to this, Mr. Hacker performed design functions for Hacker Engineering Company, Inc. beginning in 1984.

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Mr. Hacker has over twenty-five years of experience in engineering in the Southern California area. He has been involved in the engineering of numerous street improvement projects, flood control projects, pipeline projects, condominium projects, major subdivisions, golf courses and manufactured home projects.

Specializing in Computer Aided Design, Mr. Hacker is proficient in the AutoCAD Civil 3D comprehensive design package. Hydrology and hydraulic experience includes WaterCAD, StormCAD, HEC-2, HEC-RAS, WSPG, various unit hydrographs and rational method programs. Mr. Hacker has been involved with engineering applications on computers since 1982. His experience provides a wide background of computer expertise to apply toward civil engineering applications.

Mr. Hacker is a member of the California Society of the National Society of Professional Engineers (NSPE) and the American Society of Civil Engineers (ASCE)

## **JOHN T. RODRIGUEZ**

### **EDUCATION**

Mt. San Jacinto College

### **PROFESSIONAL LICENSE**

Earned L.S.I.T. Certificate, 2002

### **EXPERIENCE**

Mr. Rodriguez is a Partner at HEITEC Consulting. He has hands-on responsibility for the company's operations and as such, is a great asset. Mr. Rodriguez's strengths are highlighted by proven organizational and managerial skills as well as his capabilities in client relations.

He offers in-depth professional experience, both in the field and in management. John Rodriguez began here in 1996 as a chainman, quickly becoming a party chief and continuing his work in the field. Within four years, he was promoted to run the survey department, handling all administration and management functions.

With assured success, Mr. Rodriguez became office manager, wherein he ran all administrative functions for the company. His talents soon earned him the position of Director of Operations.

John Rodriguez is a member of the California Land Surveyors Association (CLSA).



# **SIMILAR WORK – Section C**

## **MISSION SPRINGS WATER DISTRICT 2007 - 2017**

- Well 37, 38, 22 – Aerial Topo, Site Plan, Design.
- 1400 Zone Transmission Line and Well Site Construction Drawings
- AD-12 Area J-1 and D-2 Staking

Mission Springs Water District  
66575 Second Street  
Desert Hot Springs, CA 92240  
Attn: Danny Friend  
760-329-5169 ext. 149

## **GHA Companies 2015-2017**

- Vallera Community  
Tract 33576  
Bermuda Dunes CA  
Sewer Design in CVWD District

GHA Companies  
30875 Date Palm Drive  
Cathedral City CA 92234  
Attn: Mario Gonzales  
760-969-1400

## **McCrae Group of Companies 2016-Present**

- Calhn & Ave 43-101, LLC  
Tract 31974  
Indio CA  
Sewer Design in Valley Sanitary District

McCrae Group  
c/o United Engineering  
Scottsdale AZ  
Attn: Chris Morgan  
480-705-5372

## **Woodbridge Pacific Group 2015-Present**

- Monterra  
Tract 32742  
La Quinta CA  
Sewer Design in CVWD District

Woodbridge Pacific  
Mission Viejo, CA 92691  
Attn: Danny Huitt  
949-348-8162

# **SCOPE OF WORK – Section D**

## **BICYCLE AND PEDESTRIAN FACILITIES PROGRAM-DESERT VIEW AVENUE**

Consultant shall provide professional engineering services to City of Desert Hot Springs and staff as follows:

### ***Project Limits:***

The project limits are along Desert View Avenue from the intersection of Palm Drive on the west side to the intersection of Verbena Drive on the east. The total length of the project is 0.5 miles. See attachment 1 for the Project Location Map and the Project Limits Map.

### ***Purpose:***

HEITEC will design the project to connect and/or link sidewalks, crosswalks, ADA ramps, and ADA driveways with recently completed projects to improve the bicycle and pedestrian safety along this street segment by constructing missing sidewalks, ADA ramps, ADA driveways, and crosswalk striping that will be included as part of the street improvement on the south side and on the north side of Desert View Avenue. The project design shall include street improvement plans for the construction of Curbs & Gutters and Sidewalk to the ultimate 80-foot right-of-way width per city of Desert Hot Springs Standard Plan No. 105. All proposed improvements will be properly transitioned into the existing conditions and will be considered as part of the design element. Alternative type of safety improvements may be proposed to the City, but will consider the alternative proposal.

### ***Services Requested:***

Services and products to be rendered in performing all work associated with project development may include, but may not be limited to:

- A. Perform utility coordination and obtain clearances;
- B. Perform appropriate engineering related field survey using acceptable bench marks and centerline monuments, and prepare base map. The field survey shall be comprehensive and shall cover the full width of the street from the south right-of-way to the north right-of-way which is 80 feet wide, in addition, one single survey shot is needed for each house, either at the edge of the house outer wall corner or at the edge of the garage outer wall corner whichever is closer to the street;
- C. Prepare street improvement plans that include proposed curbs & gutters,

sidewalks, ADA driveways, ADA ramps, remove & replace AC pavement, remove & replace driveways, remove & replace trees, adjust utility boxes to grade, and remove & replace or relocate mailboxes using the city of Desert Hot Springs standard plans. The street improvement plan will have enough information that will be accepted by the City's staff;

D. Prepare signing and striping plans showing the existing and proposed signs and stripes;

E. Prepare plans, contract documents, bid documents, special provisions and engineer's estimates of probable construction costs. The engineer's estimates shall be broken up into two (2) estimates, one that includes all improvements to the south side of the street and the other includes all improvements to the north side of the street.

F. Construction Phase – Technical Oversight

1. HEITEC will have an Aerial Topographic survey performed of the subject site. HEITEC will field verify the topography for use in the Project Design.
2. HEITEC will contact the Utility purveyors to provided Utility locations and As-built plans. HEITEC will field verify Utility locations and potential connections for use in the Project Design.
3. Final plan submittal shall be the signed mylars and four (4) sets of full size drawings from the signed mylars, and the electronic file in pdf and CAD dwg (version 2017 or newer).

# **WORK SCHEDULE – Section E**

## **PALM DRIVE BICYCLE AND PEDESTRIAN IMPROVEMENT PROJECT**

<b><u>DATE</u></b>	<b><u>SCHEDULED WORK</u></b>
0 days	<p><u>Pre-Design Meeting</u> – Initial meeting between Consultant and City of Desert Hot Springs staff to clarify design objectives.</p> <p>Discuss with City staff to determine alignment and other project parameters that will be required.</p>
1 day	<p>Start survey control and Aerial topography.</p> <p>Begin Preparing Sheets per Topo and Utility coordination.</p>
30 days (1 month)	<p>Plot Plan and Profile Sheets using preliminary alignments, right of ways, topography and utility information received.</p>
45 days (1 ½ months)	<p>50% Plot Preliminary Plan and Profile Sheets including proposed alignment and potential issues. Meet with City Staff to determine any desired changes to preliminary design.</p>
60 days (2 months)	<p>95% Plot final plans incorporating design changes determined at 50% review.</p> <p>Provide detailed Engineer's Estimate of probable costs.</p> <p>Plans shall be complete per the Scope of Work at this time.</p>
90 days (3 months)	<p>100% Incorporate corrections identified in 95% review and plot mylars upon City request.</p> <p>Furnish Final Engineer's Estimate of probable costs.</p>

## **FEE SCHEDULE – Section F**

THE PROPOSED FEE FOR COMPLETION OF PROPOSED SCOPE OF SERVICES LUMP SUM CONTRACT INCLUDING CONTRACT REIMBURSIBLES

**THIRTY NINE THOUSAND NINE HUNDRED DOLLARS (\$39,900.00) Lump Sum Total**

Invoices will be billed on a percentage complete basis. Additional services requested and approved by the City will be invoiced in accordance with our current fee schedule (attached).

CONTRACT PROPOSAL BY:

CONTRACT PROPOSAL ACCEPTED BY:

**HEITEC CONSULTING**

**CITY OF DESERT HOT SPRINGS**



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Michael D. Hacker, PE  
PARTNER



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John Rodriguez  
PARTNER

# HEITEC CONSULTING

## 2018-2019 FEE SCHEDULE

### CITY OF DESERT HOT SPRINGS

#### TECHNICAL-OFFICE PERSONNEL CHARGES

#### Hourly Rate

Licensed Professional Surveyor (PLS) .....	\$120.00/hr.
Licensed Professional Engineer (PE) .....	\$120.00/hr.
Project Manager .....	\$110.00/hr.
Construction Manager .....	\$110.00/hr.
Senior Engineer .....	\$100.00/hr.
Senior Plan Checker .....	\$100.00/hr.
Associate Engineer .....	\$95.00/hr.
Assistant Engineer / Plan Checker .....	\$90.00/hr.
AutoCAD Technician .....	\$85.00/hr.
Clerical .....	\$35.00/hr.

#### SURVEY PERSONNEL CHARGES

Survey - 2 man crew (Standard Wage).....	\$190.00/hr.
Survey - 2 man crew (Prevailing Wage).....	\$255.00/hr.

#### CONSTRUCTION SERVICES

Construction Inspector (Prevailing Wage) .....	\$95.00/hr. (including vehicle)
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#### REIMBURSABLE COSTS

In-house Reproduction .....	cost + 10%
Printing and Materials .....	cost + 10%
Express Mail / Courier / Next Day Service .....	cost + 10%
Special Sub-Consultant Services .....	cost + 10%