

THE BOARD OF SUPERVISORS OF THE COUNTY OF STANISLAUS
BOARD ACTION SUMMARY

DEPT: Public Works

BOARD AGENDA #: *C-3

AGENDA DATE: January 10, 2017

SUBJECT:

Approval to Adopt Plans and Specifications and Award the Construction Contract for the Airport Neighborhood Sewer Improvement Project to George Reed, Inc. of Modesto, California, and Approval to Award the Project Agreement for Survey Services to Hawkins & Associates Engineering, Inc., of Modesto, California

BOARD ACTION AS FOLLOWS:

No. 2017-14

On motion of Supervisor Monteith, Seconded by Supervisor Withrow
and approved by the following vote,

Ayes: Supervisors: Olsen, Withrow, Monteith, DeMartini, and Chairman Chiesa

Noes: Supervisors: None

Excused or Absent: Supervisors: None

Abstaining: Supervisor: None


1) Approved as recommended

2) Denied

3) Approved as amended

4) Other:

MOTION:

ATTEST: 
ELIZABETH A. KING, Clerk of the Board of Supervisors

File No.

**THE BOARD OF SUPERVISORS OF THE COUNTY OF STANISLAUS
AGENDA ITEM**

DEPT: Public Works

Urgent

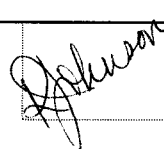
Routine

BOARD AGENDA #: *C-3

AGENDA DATE: January 10, 2017

CEO CONCURRENCE:

4/5 Vote Required: Yes No



SUBJECT:

Approval to Adopt Plans and Specifications and Award the Construction Contract for the Airport Neighborhood Sewer Improvement Project to George Reed, Inc. of Modesto, California, and Approval to Award the Project Agreement for Survey Services to Hawkins & Associates Engineering, Inc., of Modesto, California

STAFF RECOMMENDATIONS:

1. Adopt the Plans and Specifications for the Airport Neighborhood Sewer Improvement Project.
2. Award a contract in the amount of \$4,720,840 to George Reed, Inc. of Modesto, California, for the construction of the Airport Neighborhood Sewer Improvement Project.
3. Approve a project agreement for \$146,360 with Hawkins & Associates Engineering Inc., of Modesto, California, for survey services under the Professional Survey Services Master Agreement approved by the Board of Supervisors on November 22, 2016.
4. Authorize the Director of Public Works to execute a contract with George Reed, Inc., for \$4,720,840 and to sign necessary documents.
5. Authorize the Director of Public Works to execute a project agreement with Hawkins & Associates Engineering, Inc., for \$146,360 and sign necessary documents.
6. Authorize the Director of Public Works to execute change orders, not to exceed 10%, in accordance with the Public Contract Code, Sections 20142 and 20137.
7. Upon project completion, authorize the Director of Public Works to accept the completed improvements and perform all necessary closeout activities.
8. Authorize the Director of Public Works to take any appropriate action necessary to carry out the purpose and intent of these recommendations.

DISCUSSION:

The Airport Neighborhood is a disadvantaged community on the southeast side of the City of Modesto with 362 residential, commercial and mixed-use parcels. These parcels currently rely on septic tanks for treatment of sewage. The septic tanks in this neighborhood are failing and cause health and safety concerns. The purpose of the Airport Neighborhood Sewer

Approval to Adopt Plans and Specifications and Award the Construction Contract for the Airport Neighborhood Sewer Improvement Project to George Reed, Inc. of Modesto, California, and Approval to Award the Project Agreement for Survey Services to Hawkins & Associates Engineering, Inc., of Modesto, California

Improvement Project (Project) is to provide a sewer system that will allow property owners to abandon their existing failing septic tanks and connect to a public sewer system.

Due to funding constraints the construction of the Project was split into two phases. On September 16, 2014, the Board of Supervisors approved the construction contract for phase one of the Project. Phase one of the Project was successfully completed in the spring of 2015, and a fully functional sewer system for 47 parcels along Kerr Avenue was installed.

County staff has secured additional funding to complete the remaining improvements of this Project by applying for a grant and entering into an agreement with the State Water Resources Control Board (SWRCB). The SWRCB approved the County's application for Clean Water State Revolving Fund Program grant funds (Grant) for the total amount of \$8,000,000. Additionally, \$2,129,789 is available from the Community Development Block Grant (CDBG) funds, which the Board of Supervisors approved to reallocate to the Project on October 25, 2016. Between Grant funds and CDBG funds, a total of \$10,129,789 is available for the completion of this Project.

With the funding secured, the County is planning to move forward with constructing the final phase of the Project. These additional improvements will include the installation of a fully functional sewer system in the remaining area of the Airport Neighborhood. Phase two will provide 315 additional parcels the opportunity to connect to the public sewer system.

The new sewer infrastructure will be connected to the existing sewer system owned and maintained by the City of Modesto. On July 19, 2016, the Board of Supervisors approved an agreement with the City of Modesto for the operation, maintenance, and transfer of ownership of the constructed sewer system.

The SWRCB grant also funds the pre-payment of sewer hook-up fees to the City of Modesto to encourage and accelerate the process of sewer hookups. The proposed estimated lump-sum payment of \$1,271,218 will cover the sewer fees for 362 parcels within the Airport Neighborhood, which includes the improvements to the 47 parcels along Kerr Avenue in phase one of the Project. The sewer fees being paid include the Outside Service Agreement (OSA) Fee, the Subtrunk Sewer Fee, and the Wastewater Capacity Charge. The homeowners will be required to obtain a County or City Building Permit to construct the on-site sewer line and abandon the septic systems in accordance with County or City Standards and then execute the OSA with the City of Modesto.

On October 2, 2012, the Stanislaus County Board of Supervisors approved a Negative Declaration for this project pursuant to the California Environmental Quality Act (CEQA).

An invitation to bid was electronically posted to the Modesto Reprographics website on November 7, 2016 and in the Modesto Bee on November 7, November 14, and November 21, 2016. On December 21, 2016 a total of eight sealed bids were received, publicly opened, and read. A summary of the bids follows:

Approval to Adopt Plans and Specifications and Award the Construction Contract for the Airport Neighborhood Sewer Improvement Project to George Reed, Inc. of Modesto, California, and Approval to Award the Project Agreement for Survey Services to Hawkins & Associates Engineering, Inc., of Modesto, California

No.	Contractor	Bid Amount
1	George Reed, Inc.	\$4,720,840.00
2	Teichert Construction	\$5,828,888.00
3	Knife River Construction	\$6,328,805.00
4	Rolfe Construction	\$6,525,860.00
5	McGuire & Hester	\$6,627,306.50
6	Sierra Mountain Construction	\$7,231,727.25
7	KJ Woods Construction	\$7,478,000.00
8	Ranger Pipelines	\$8,526,062.50

Public Works Staff reviewed the lowest responsive bid of George Reed, Inc. and found it to be regular in all respects and recommends awarding a contract in the amount of \$4,720,840.

On November 22, 2016, the Board of Supervisors approved a Master Agreement with Hawkins & Associates Engineering, Inc. to perform on-call survey services for Public Works. As stated in the Master Agreement, any project greater than \$100,000 requires approval from the Board of Supervisors. Therefore, Public Works staff recommends the Board approve a project agreement in the amount of \$146,360 for Hawkins & Associates Engineering, Inc. to perform survey services for the Project.

The project is tentatively scheduled to begin construction in February 2017 and will be completed by March 2018.

POLICY ISSUE:

Public Contract Code Section 22034 requires Board of Supervisors approval to approve any contract that exceeds \$175,000.

FISCAL IMPACT:

Costs associated to assure the delivery of the project is in the amount of \$6,276,884 (contract \$4,720,840; contingency \$472,084; quality assurance, inspection, and contract administration \$825,600; materials testing \$83,000; construction staking \$146,360; \$24,000 for County administrative support services and \$5,000 for Regional Water Quality Control Board permit fee). Funding is available in the Fiscal Year 2016-2017 Public Works Road Projects budget.

Approval to Adopt Plans and Specifications and Award the Construction Contract for the Airport Neighborhood Sewer Improvement Project to George Reed, Inc. of Modesto, California, and Approval to Award the Project Agreement for Survey Services to Hawkins & Associates Engineering, Inc., of Modesto, California

Cost of recommended action: \$ 6,276,884

Source(s) of Funding:

Clean Water State Revolving Fund Program

\$ 4,147,095

Community Development Block Grant

2,129,789

Funding Total:

6,276,884

Net Cost to County General Fund

6,276,884

Fiscal Year:

2016/2017

Budget Adjustment/Appropriations needed:

No

BOARD OF SUPERVISORS' PRIORITY:

The recommended actions are consistent with the Board's priorities of providing A Well Planned Infrastructure System and a Healthy Community by providing a sewer system that County residents can connect to in response to the health and safety concerns of failing septic systems.

STAFFING IMPACT:

Existing Public Works staff will oversee the project.

CONTACT PERSON:

Matt Machado, Public Works Director

Telephone: (209) 525-4153

ATTACHMENT(S):

1. Project Plans and Specifications
2. Construction Contract with George Reed, Inc.
3. Project Agreement with Hawkins & Associates Engineering, Inc.

ATTACHMENT 1

Project Plans and Specifications

**ATTACHMENTS AVAILABLE
FROM CLERK**

ATTACHMENT 2

Construction Contract with George Reed, Inc.

COUNTY OF STANISLAUS AGREEMENT

THIS AGREEMENT, by and between George Reed, Inc., whose place of business is located at 140 Empire Avenue, Modesto, California 95354 (“Contractor”), and the County of Stanislaus (“County”), acting under and by virtue of the authority vested in the County by the laws of the State of California.

WHEREAS, County, by its Resolution No. 2017-14 adopted on the 10th day of January, 2017 awarded to Contractor the following Contract:

AIRPORT NEIGHBORHOOD SEWER IMPROVEMENT PROJECT CONTRACT NO. 8063

NOW, THEREFORE, in consideration of the mutual covenants hereinafter set forth, Contractor and County agree as follows:

Article 1. Work

- 1.1 Contractor shall complete all Work specified in the Contract Documents, in accordance with the Specifications, Drawings, and all other terms and conditions of the Contract Documents.

Article 2. Architect/Engineer and Project Manager

- 2.1 City of Modesto designed the Project and furnished the Plans and Specifications. City of Modesto shall have the rights assigned to Architect/Engineer in the Contract Documents.
- 2.2 County has designated the Public Works Construction Manager as its Project Manager to act as County’s Representative in all matters relating to the Contract Documents.

Article 3. Contract Time and Liquidated Damages

- 3.1 Contractor shall commence Work on the date established in the Notice to Proceed. County reserves the right to modify or alter the Commencement Date of the Work.
- 3.2 Contractor shall achieve Final Completion of the entire Work and be ready for Final Payment in accordance with Contract Closeout Two Hundred Eighty (280) Working Days from the date when the Contract Time commences to run as provided in the Agreement.
- 3.3 Liquidated Damages shall comply with SC-08 of the Special Conditions and 8-1.10 of the Standard Specifications.

- 3.4 Liquidated damages shall apply cumulatively and except as provided below, shall be presumed to be the damages suffered by County resulting from delay in completion of the Work.
- 3.5 Liquidated damages for delay shall only cover administrative, overhead, interest on bonds, and general loss of public use damages suffered by County as a result of delay. Liquidated damages shall not cover the cost of completion of the Work, damages resulting from Defective Work, lost revenues or costs of substitute facilities, or damages suffered by others who then seek to recover their damages from County (for example, delay claims of other contractors, subcontractors, tenants, or other third-parties), and defense costs thereof.

Article 4. Contract Sum

- 4.1 County shall pay Contractor the Contract Sum for completion of Work in accordance with Contract Documents as set forth in Contractor's Bid.

Article 5. Contractor's Representations

In order to induce County to enter into this Agreement, Contractor makes the following representations and warranties:

- 5.1 Contractor has visited the Site and has examined thoroughly and understood the nature and extent of the Contract Documents, Work, Site, locality, actual conditions, as-built conditions, and all local conditions, and federal, state and local laws and regulations that in any manner may affect cost, progress, performance or furnishing of Work or which relate to any aspect of the means, methods, techniques, sequences or procedures of construction to be employed by Contractor and safety precautions and programs incident thereto.
- 5.2 Contractor has examined thoroughly and understood all reports of exploration and tests of subsurface conditions, as-built drawings, drawings, products specifications or reports, available for Bidding purposes, of physical conditions, including Underground Facilities, which have been made available for Bidders or which may appear in the Drawings. Contractor accepts the determination set forth in these Documents of the limited extent of the information contained in such materials upon which Contractor may be entitled to rely. Contractor agrees that except for the information so identified, Contractor does not and shall not rely on any other information contained in such reports and drawings.
- 5.3 Contractor has conducted or obtained and has understood all such examinations, investigations, explorations, tests, reports and studies (in addition to or to supplement those referred to in Section 5.2 of this Document that pertain to the subsurface conditions, as-built conditions, Underground Facilities and all other physical conditions at or contiguous to the Site or otherwise that may affect the cost, progress, performance or furnishing of Work, as Contractor considers necessary for the performance or furnishing of Work at the Contract Sum, within the Contract Time and in accordance with the other terms and conditions of the Contract Documents, including specifically the provisions of the Special Conditions; and no additional examinations, investigations, explorations, tests, reports,

studies or similar information or data are or will be required by Contractor for such purposes.

- 5.4 Contractor has correlated its knowledge and the results of all such observations, examinations, investigations, explorations, tests, reports and studies with the terms and conditions of the Contract Documents.

Article 6. Contract Documents

- 6.1 Contract Documents consist of the following documents, including all changes, addenda, and modifications thereto:

- Agreement
- Encroachment Permit (if applicable)
- Form FHWA-1273 (if applicable)
- Project Plans
- Project Specifications
- State Standard Specifications and Standard Plans

Article 7. Indemnity

- 7.1 County and each of its officers, employees, consultants and agents including, but not limited to the Board, Architect/Engineer and each County Representative, shall not be liable or accountable in any manner for loss or damage that may happen to any part of the Work; loss or damage to materials or other things used or employed in performing the Work; injury, sickness, disease, or death of any person; or damage to property resulting from any cause whatsoever except their sole negligence, willful misconduct or active negligence, attributable to performance or character of the Work, and Contractor releases all of the foregoing persons and entities from any and all such claims.
- 7.2 To the furthest extent permitted by law (including without limitation California Civil Code Section 2782), Contractor shall assume defense of, and indemnify and hold harmless, County and each of its officers, employees, consultants and agents, including but not limited to the Board, Architect/Engineer and each County representative, from claims, suits, actions, losses and liability of every kind, nature and description, including but not limited to claims and fines of regulatory agencies and attorney's fees and consultant's fees, directly or indirectly arising out of, connected with or resulting from performance of the Work, failure to perform the Work, or condition of the Work which is caused in whole or part by any act or omission of Contractor, Subcontractors, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, regardless of whether it is caused in part by the negligence of County or by any person or entity required to be indemnified hereunder.
- 7.3 With respect to third-party claims against Contractor, Contractor waives any and all rights to any type of express or implied indemnity against County and each of its officers,

employees, consultants and agents including, but not limited to County, the Board, Architect/Engineer and each County representative.

- 7.4 Approval or purchase of any insurance contracts or policies shall in no way relieve from liability nor limit the liability of Contractor, its Subcontractors of any tier, or the officers or agents of any of them.
- 7.5 To the furthest extent permitted by law (including, without limitation, Civil Code Section 2782), the indemnities, releases of liability and limitations of liability, claims procedures, and limitations of remedy expressed throughout the Contract Documents shall apply even in the event of breach of contract, negligence (active or passive), fault or strict liability of the party(is) indemnified, released, or limited in liability, and shall survive the termination, rescission, breach, abandonment, or completion of the Work or the terms of the Contract Documents. If Contractor fails to perform any of these defense or indemnity obligations, County may in its discretion back charge Contractor for County's costs and damages resulting therefrom and withhold such sums from progress payments or other contract moneys which may become due.
- 7.6 The indemnities in the Contract Documents shall not apply to any indemnified party to the extent of its sole negligence or willful misconduct; nor shall they apply to County or other indemnified party to the extent of its active negligence.

Article 8. Miscellaneous

- 8.1 Terms and abbreviations used in this Agreement are defined in Special Conditions, Section 1: DEFINITIONS AND TERMS and will have the meaning indicated therein.
- 8.2 It is understood and agreed that in no instance are the persons signing this Agreement for or on behalf of County or acting as an employee, agent, or representative of County, liable on this Agreement or any of the Contract Documents, or upon any warranty of authority, or otherwise, and it is further understood and agreed that liability of the County is limited and confined to such liability as authorized or imposed by the Contract Documents or applicable law.
- 8.3 Contractor shall not assign any portion of the Contract Documents, and may subcontract portions of the Contract Documents only in compliance with the Subcontractor Listing Law, California Public Contract Code §4100 *et seq.*
- 8.4 The Contract Sum includes all allowances (if any).
- 8.5 In entering into a public works contract or a subcontract to supply goods, services or materials pursuant to a public works contract, Contractor or Subcontractor offers and agrees to assign to the awarding body all rights, title and interest in and to all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C. §15) or under the Cartwright Act (Chapter 2 (commencing with §16700) of Part 2 of Division 7 of the Business and Professions Code), arising from purchases of goods, services or materials

pursuant to the public works contract or the subcontract. This assignment shall be made and become effective at the time County tenders final payment to Contractor, without further acknowledgment by the parties.

- 8.6 Copies of the general prevailing rates of per diem wages for each craft, classification, or type of worker needed to execute the Contract, as determined by Director of the State of California Department of Industrial Relations, are deemed included in the Contract Documents and on file at County's Office, and shall be made available to any interested party on request. Pursuant to California Labor Code §1861, Contractor represents that it is aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that Code, and Contractor shall comply with such provisions before commencing the performance of the Work of the Contract Documents.
- 8.7 Should any part, term or provision of this Agreement or any of the Contract Documents, or any document required herein or therein to be executed or delivered, be declared invalid, void or unenforceable, all remaining parts, terms and provisions shall remain in full force and effect and shall in no way be invalidated, impaired or affected thereby. If the provisions of any law causing such invalidity, illegality or unenforceability may be waived, they are hereby waived to the end that this Agreement and the Contract Documents may be deemed valid and binding agreements, enforceable in accordance with their terms to the greatest extent permitted by applicable law. In the event any provision not otherwise included in the Contract Documents is required to be included by any applicable law, that provision is deemed included herein by this reference (or, if such provision is required to be included in any particular portion of the Contract Documents, that provision is deemed included in that portion).
- 8.8 This Agreement and the Contract Documents shall be deemed to have been entered into in the County of Stanislaus, State of California, and governed in all respects by California law (excluding choice of law rules). The exclusive venue for all disputes or litigation hereunder shall be in Stanislaus County Superior Court. Contractor accepts the Claims Procedure in Special Conditions, Article SC-16, WORK DISPUTES, as a claims procedure by agreement under the California Government Code, Title 1, Division 3.6, Part 3, Chapter 5.
- 8.9 Notices: Any notices, documents, correspondence or other communications concerning this Agreement or the work hereunder may be provided by personal delivery, facsimile or mail and shall be addressed as set forth below. Such communication shall be deemed served or delivered: a) at the time of delivery if such communication is sent by personal delivery; b) at the time of transmission if such communication is sent by facsimile; and c) 48 hours after deposit in the U.S. Mail as reflected by the official U.S. postmark if such communication is sent through regular United States mail.

IF TO COUNTY

David Leamon, Deputy Director
Stanislaus County Public Works
1716 Morgan Road
Modesto, CA 95358i

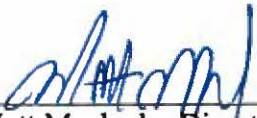
IF TO CONTRACTOR

Ed Berlier, Vice President
George Reed, Inc.
P.O. Box 4760
Modesto, CA 95352

IN WITNESS WHEREOF the parties have executed this Agreement in quadruplicate the day and year first above written.

COUNTY OF STANISLAUS

GEORGE REED, INC.

By: 
Matt Machado, Director
Public Works Department

By: 
Ed Berlier
Vice President

APPROVED AS TO FORM:

John P. Doering, County Counsel

By: 
Amanda DeHart
Deputy County Counsel

ATTACHMENT 3

Project Agreement with Hawkins & Associates Engineering, Inc.

HAWKINS & ASSOCIATES ENGINEERING, INC.
Project No. 2017-8063-001
Airport Neighborhood Sewer Construction Project

A. Terms and Conditions

Except as hereinafter provided, the services provided by the Consultant under this Project shall be subject to the terms and conditions set forth in the Master Agreement for Professional Design Services ("Agreement") made and entered into by and between the County of Stanislaus ("County") and Hawkins & Associates Engineering, Inc., on November 22, 2016.

B. Scope of Work

The Consultant shall provide services for this Project under the Agreement and as set forth in the Consultant's proposal and scope of work dated December 20, 2016, attached hereto and, by this reference, made a part hereof.

C. Compensation

The Consultant shall be compensated for the services provide under this Agreement as follows:


1. Consultant will be compensated on a time and materials basis, based on the hours worked by the Consultant's employees or subcontractors at the hourly rates specified in the consultant's Proposal. The specified hourly rates shall include direct salary costs, employee benefits, and overhead. These rates are not adjustable for the performance period set forth in this project and scope of work. In addition to the aforementioned fees, Consultant will be reimbursed for the following items, plus any expenses agreed by the parties as set forth in the Consultant's Proposal attached hereto, that are reasonable, necessary and actually incurred by the Consultant in connection with the services:

- (a) Any filing fees, permit fees, or other fees paid or advanced by the Consultant.
- (b) Expenses, fees or charges for printing, reproduction or binding of documents at actual costs.


2. The parties hereto acknowledge the maximum amount to be paid by the County for services provided shall not exceed One Hundred Forty-Six Thousand Three Hundred Sixty Dollars (\$146,360), including, without limitation, the cost of any subcontractors, consultants, experts or investigators retained by the Consultant to perform or to assist in the performance of its work under this Agreement.

IN WITNESS WHEREOF, the parties or their duly authorized representatives have executed this Project No. 2017-8063-001 on January 10, 2017.

COUNTY OF STANISLAUS

By: 
Matt Machado, Director
Department of Public Works

HAWKINS & ASSOCIATES ENGINEERING, INC.

By: 
Kevin Genasci
Owner/Land Surveyor

APPROVED AS TO FORM:

John P. Doering
County Counsel

By: 
Amanda DeHart
Deputy County Counsel

**Proposal For
Airport Neighborhood Sewer Construction Surveying Services**



**Prepared On
December 20, 2016**

**Hawkins & Associates
Engineering, Inc.**



**December 20, 2016
Stanislaus County
Department of Public Works
1716 Morgan Road
Modesto, California 95358**

Mr. Brady:

We are pleased to submit our proposal for construction surveying services on the Airport Neighborhood Sewer System Project. Our proposal includes a short company profile, resumes of key land surveyors that will work on the project, a project approach, a scope-of-services, and a fee estimate.

I will personally serve as the project team leader for this project. I have many years of experience in construction surveying and I am very familiar with the project area. I oversaw the land surveying work to prepare the topographic survey and right-of-way survey used for the design of the project improvements. I will be supported by both Landon Blake and Dani Cano.

Our office is located right next door to the project site, and we will be able to quickly respond to construction staking requests. Our preference is for 48 hours advance notice on staking requests. We understand the nature of construction surveying and will make every effort to respond to staking requests as quickly as possible. We are fully committed to providing the County with exceptional client service and are confident we can do so with our current team and workload.

Please don't hesitate to contact myself or Landon Blake with any questions about our proposal.

A handwritten signature in blue ink, appearing to read 'Kevin Genasci', with a horizontal line extending to the right.

Kevin Genasci
Owner/Land Surveyor



Summary

Hawkins and Associates provides civil engineering, land surveying and land planning services. We are owned by Rod Hawkins and Kevin Genasci.

We have a reputation in the local community for providing a quality work product and excellent client service.

Our Professionals

We currently have a group of 4 licensed professionals. This includes 2 licensed civil engineers and 2 licensed surveyors. Our professional licenses allow us to work in both California and Nevada. Our team of professionals has over 4 decades of combined experience.

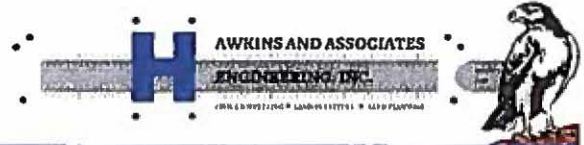
How We Deliver Value

We deliver value to our clients through a number of key qualities of our organization. These include:

- Efficient and productive coordination with government agencies, design professionals, and construction firms.
- The direct involvement of professional staff in our client's projects.
- An ability to provide innovative solutions to engineering, surveying and land planning problems.
- A thorough knowledge of industry standards, policies and practices.

**"Sometimes the
questions are
complicated and the
answers are simple."**

Doctor Seuss



Our Organization Mission

In an increasingly complex regulatory environment, Hawkins and Associates Engineering, Inc. leverages the latest technology and real world experience to provide public and private entities with innovative yet practical solutions for the civil engineering, land surveying and land planning components of projects.

About Our Logo

The Swainson's Hawk is a large raptor named after William Swainson, a British Naturalist. The hawk lives in grasslands of the Western United States, including a population in the California Central Valley. It is also known as the Grasshopper Hawk, because it loves to eat grasshoppers and locusts. It is currently an endangered species.

Our Core Values

Integrity:

A refusal to compromise the values that define us. Trust, respect, esteem; these are not given but earned. It is our firm belief that the character and ability of our staff are our best asset in our efforts to inspire confidence in our clients.

Community:

A sense of responsibility to the relationships that surround us. We believe in investing in the success of others so our projects are successful.

Creativity:

From project to project (and component to component) initial cost, life cycle cost, time, aesthetics and longevity can all vary in importance. We find individualized solutions for each project and client.

Accountability:

We will provide a complete and professional product. When we fall short, we will own the problem and find the solution.



Summary


Kevin oversees the provision of all construction staking and related construction surveying services at Hawkins and Associates. His experience includes providing construction staking services on projects around Central California, with a focus on construction staking for commercial projects, industrial projects, and municipal projects. He regularly works with contractors, design engineers, architects, and project owners as part of the construction process.

**Owner
(Land Surveyor)**

Role

Kevin manages all land surveying services at Hawkins and Associates. He directly supervises surveying services related to land development and construction. He provides the big picture strategy, planning and execution for the land surveying team.

Licenses

 California PLS 8660



Summary

Landon has been providing construction surveying services for large public works projects in Central California for 15 years. These services have included construction staking, construction control, as-built surveys, quantity calculation surveys, bridge falsework layout, and supervision of grading with machine control. He has provided construction staking services on a variety of project types, including urban street improvements, freeway widening, freeway interchanges, sewer pipelines, sewer pump stations, water pipelines, levees and marinas.

**Mapping
Department
Manager**



Role

Landon currently serves as the Mapping Department Manager for Hawkins and Associates. He specializes in surveys to support large public works projects like large diameter pipelines, levee systems, and freeway interchanges. He also oversees GIS services and terrestrial laser scanning services at our company.



Licenses

- California PLS 8489
- Nevada PLS 20909
- Certified Federal Surveyor 1573



Summary

Dani directly supervises all field work for construction surveying at Hawkins and Associates. His responsibilities include the review of construction plans, construction layout calculations, preparation of RFIs, review of field survey data, adjustment of field survey data, preparation of as-built surveys, and preparation of cut sheets. Dani provides construction surveying a variety of project types across California, with a special focus on commercial, industrial and municipal projects.

**Field Survey
Coordinator**



Role

Dani currently supervises all field surveys at Hawkins and Associates Engineering. This includes the planning field surveys, review of all field work, and processing/adjustment of raw field data. He also works as a survey party chief as needed. In addition, Dani supports both Kevin and Landon as an assistant surveyors by performing research and drafting.

Project Experience

Airport Neighborhood Sewer Construction Surveying Services



Project Experience

Topo Survey

Date of Service:
2012

Airport Neighborhood Sewer System Design Topo
Provided topographic surveying to support the design of sewer system improvements in the Airport Neighborhood of Modesto, California.

- Topographic surveying.

Location:
Modesto
California
Project Owner:
City of Modesto

Construction Surveying

Date of Service:
2007

Las Palmas Estates Sewer Trunk
Provided construction surveying services for a 0.75 mile long sewer trunk line serving new residential subdivisions in Mendota, California.

- Topographic surveying.
- Construction layout.

Location:
Mendota
California
Project Owner:
City of Mendota

Construction Surveying

Date of Service:
2011

Country Club Sewer Trunk Replacement
Provided construction surveying services for 2 miles of sewer trunk line to replace 100 year old redwood sewer pipe in Stockton, California.

- Topographic surveying.
- Construction layout.

Location:
Stockton
California
Project Owner:
City of Stockton

Date: 2016-12-20
Version: 1.00

Address: 436 Mitchell Road, Modesto, California 95354
Phone: 209-575-4295
Web Site: www.hawkins-eng.com

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Project Understanding

Project Management

We understand the following based on the information provided in the RFP:

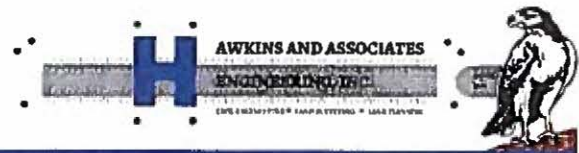
- The Stanislaus County Public Works Department is seeking all-inclusive construction staking services for the Airport Neighborhood Sewer Improvement Project. The project will be under construction in early 2017.
- The features of the construction plans to be laid out during construction staking include asphalt concrete dikes, construction limit lines, road rough grade surfaces, road finish grade surfaces, sewer laterals, sewer main lines, sewer manholes, road striping, and survey monumentation.
- Stakes will be placed according to the Stanislaus County Construction Surveys Guide.
- Stanislaus County will provide AutoCAD design files.
- Horizontal and vertical control will be based on Record of Survey Map 22-051.
- Staking has already taken place for selected features along Kerr Avenue.

Approach to Services

Project Management

All of the projects at Hawkins and Associates Engineering are managed according to 4 important principles. These are:

- A high level of involvement from licensed surveyors in all aspects of the project. Our small size and our carefully chosen client base allow our licensed surveyors to be intimately familiar with each project.
- Good communication with the client and other involved organizations. This good communication includes regular updates on the status of our work on the project.
- A focus in providing a high-quality work product. We don't take short cuts.
- An early identification of potential problems in the project process and honest discussions with our clients and other involved organizations about how to avoid or minimize the impact of those problems.



Approach to Services

Quality Control/Quality Assurance

Quality assurance and quality control are a fundamental part of our land surveying work at Hawkins and Associates Engineering. We understand that a high-quality survey work product is the foundation of an effective and quality engineering design. We regularly make investments to ensure our team can provide high-quality survey work products. This includes the development of in-house survey guidelines with templates and checklists for all aspects of our work.

We also hold bi-weekly training meetings with our survey team members, including survey field crews, to discuss safety, operations, and workflows. Our principals and project managers also meet to prepare a QA/QC plan for our public works projects, with an identification of important QA/QC milestones.

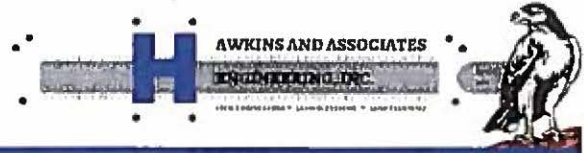
Machine Control

We would be pleased to help the County supervise and support the use of machine control by the contractor on this project. We look forward to discussing the ways we can do this after the contractor is selected for the project.

Project Specifics

Control: We will establish primary survey control for this project using fast-static GNSS surveying methods and differential leveling. This primary control network will be adjusted using a properly weighted least squares technique. Primary survey control will be checked in the field after the adjustment and before other surveying work begins. We will use a combination of RTK GNSS and total station surveying methods to establish secondary survey control as needed. All secondary survey control will be tied to primary survey control and will have elevations established by differential leveling.

Plan Review: As part of our plan review process we will confirm that sewer manhole rim elevations as designed will not conflict with the design elevations for the finished road surface. We will also work with the County and the contractor to document the as-built location of sewer laterals in the event that laterals are constructed in alternate locations.



Approach to Services (Continued)

Project Specifics (Continued):

Monument Preservation: Due to the number of monuments involved we will likely provide a single record-of-survey for monument preservation instead of multiple corner records.

Working Environment: Staking in established residential neighborhoods creates some unique challenges. We will work closely with the County and the contractor to schedule staking in a way that minimizes the change for tampering with stakes. As our crew will be working in tight corridors and often in close proximity with heavy equipment, we will work with 2 man field crews for safety reasons.

Scope-of-Services

Task #1: Construction Plan Review and Pre-Construction Meeting

1.01: Perform initial review construction plans for missing information needed for construction layout and submit request-for-information documents.

1.02: Attend a pre-construction meeting.

Deliverables:

- Request-for-information documents prepared as part of initial construction plan review.

Task #2: Survey Control for Construction

2.01: Verify survey control set to control design improvements and the layout of design improvements. (This is survey control shown in the approved construction plans.)

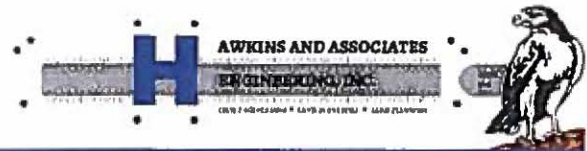
2.02: Establish primary survey control for construction layout on the project. Primary survey control will be established with fast static GNSS observations and differential leveling.

2.03: Densify the primary project survey control with secondary survey control that can be used to layout project design improvements during construction.

2.04: Set durable control monuments every 1,500 feet along the proposed pipelines and at major road intersections in the project area.

Deliverables:

- Survey control diagram with control coordinates.



Scope-of-Services (Continued)

Task #3: Sanitary Sewer Construction Layout

3.01: Calculate offset stake points and line stake point coordinates (including elevation) for sanitary sewer pipelines based on the approved construction plans.

3.02: Set one set of offset points and line stake points for the following sewer features:

- a) Sewer lines at 50 foot intervals. Cut/fill will be to pipe flowline.
- b) Sanitary sewer manholes. Cut/fill will be to manhole rim and pipe inverts shown on plans. Offset will be to center of manhole rim only.
- c) Sanitary sewer lateral cleanouts. Cut/fill will be provided to inverts shown on plans.

3.03: Prepare cut sheets and stakeout exhibits.

Deliverables:

- Cut sheets.
- Stakeout exhibits.

Task #4: Road Improvements Layout

4.01: Calculate offset stake points and line stake point coordinates (including elevation) for asphalt concrete dikes and edge of pavement on both sides of roads. Points will be calculated at high points, low points, angle points, begin curves, and end curves where these points are noted in the approved construction plans.

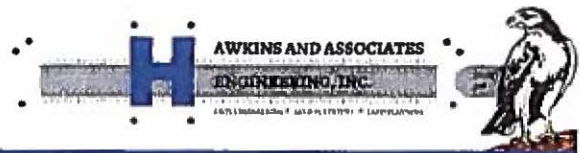
4.02: Place two sets of offset points and line stake points. The first set will be for rough grade. The second set will be for finish grade. The stakes will be placed for the following road features:

- a) Asphalt concrete dikes.
- b) Edge-of-pavement.
- c) Stop bar stripes.

4.03: Prepare cut sheets and stakeout exhibits.

Deliverables:

- Cut sheets.
- Stakeout exhibits.



Scope-of-Services (Continued)

Task #5: Monument Preservation

5.01: Perform survey research to identify existing property corner monuments at risk of destruction or disturbance during construction.

5.02: Perform a field survey to locate existing property corner monuments on the project coordinate system.

5.03: Replace missing or destroyed monuments after construction is completed.

5.04: Prepare a post-construction record-of-survey or set of corner records and file with Stanislaus County Surveyor.

Deliverables:

- Record-of-Survey map or corner records.

Task #6: Additional Services

6.01: Perform additional surveying and civil engineering tasks on an as-needed basis when directed by the client.

Understandings

- The client will provide access to the site for field surveys.
- Scheduling will be dependent on weather and site conditions.
- Field surveys to be performed between 7AM and 6PM.
- Scope assumes that traffic control will not be required for construction surveying. If traffic control is needed due to project conditions or local agency requirements a briefing with the Client will be arranged, and work will proceed only after authorization from the Client. The Client will be responsible for costs associated with traffic control.
- We will not perform construction staking in areas of site obstructions or unsafe working conditions.

Exclusions

- Payment of filing fees, recording fees, or permit fees.
- Work to coordinate or obtain permits.
- As-built surveys.
- Quantity surveys or quantity calculations.

**Labor and
Cost
Estimate**

**Airport Neighborhood
Sewer Construction
Surveying Services**



Task	Land Surveyor	Assistant Surveyor	2MFC (PW)	Clerical	Sub-Consultant	Reimbursables	Total Hours	Total Cost
	\$135.00	\$90.00	\$260.00	\$70.00				
Task #1: Plan Review and Pre-Construction Meeting	024	016		002			042	\$4,820.00
Task #2: Survey Control for Construction	012	036		048			096	\$17,340.00
Task #3: Sanitary Sewer Construction Layout	004	088	088	004			184	\$31,620.00
Task #4: Road Improvements Layout	004	164	256				440	\$85,840.00
Task #5: Monument Preservation	008	032	008			\$700.00	048	\$6,740.00
							794	\$146,360.00