



STAFF REPORT

Approved and Forwarded to City Council:


Bryan H. Montgomery, City Manager

Date: Tuesday, July 14, 2015

To: Bryan Montgomery, City Manager

From: Kevin Rohani, Public Works Director/City Engineer

Subject: Agreement with BKF Engineers, Inc. for Engineering Design Services associated with CIP Project Number 165– Main Street Improvements (Norcross Lane to 2nd Street) Project

Background and Analysis

The City's Capital Improvement Program for the Fiscal Year 2015/2016 includes a project to design and construct Main Street improvements in downtown from Norcross Lane to 2nd Street. The development of downtown Oakley is a priority for the City Council. The goal for the community is to have a downtown that is thriving and vibrant, and will serve as a solid foundation for the economic vitality of Oakley.

As part of the Strategic Goals of the City Council in 2014, the downtown "Visioning" project undertook a yearlong comprehensive review of downtown Oakley. This process involved various stakeholders; from a City Council sub-committee, downtown merchants and property owners, staff, and the professional consultant team. This process was very effective, as it developed a concept plan for the improvements to downtown Oakley that will be implemented in the coming years.

The City of Oakley has been successful in securing a \$1.4M Caltrans grant for the improvements to Main Street in downtown, which covers the section of Main Street from Norcross Lane to Second Street. This grant will supplement local funds to design and construct improvements to Main Street in this section, which will be based on the downtown "Visioning" project and concept plan from last year.

Staff requested a proposal from BKF Engineers, Inc. to perform engineering design for this project. BKF Engineers, Inc. is the premiere civil and transportation engineering firm in the bay area with in-depth expertise in the design and development of municipal downtowns. They were also involved in the downtown "Visioning" project, and are best suited to design this project as well. The plan is to have this project designed in the next few months and have bid documents ready for advertising in early 2016 with construction of the improvements to start in spring 2016.

Fiscal Impact

Approval of this resolution will accept the proposal and authorize the City Manager to execute an agreement with BKF Engineers Inc. for a cost not to exceed \$272,000. The Fiscal Year 2015/16 Capital Improvement Program budgeted funds from Traffic Impact Fees for this project.

Staff Recommendation

Staff recommends that the City Council adopt the resolution approving the proposal with BKF Engineers, Inc. for design services associated with Project Number 165 – Main Street Improvements (Norcross Lane to 2nd Street) and authorize the City Manager to enter into an agreement not to exceed \$272,000.

Attachments

- 1) BKF Engineers Inc. Proposal
- 2) Resolution



May 11, 2015

Attachment 1

Kevin Rohani, P.E.
Public Works Director/City Engineer
3231 Main Street
Oakley, CA 94561

Subject: City of Oakley Downtown Improvements, Main Street (Norcross Lane to Second Street)

Dear Mr. Rohani:

Per our conversation, the City of Oakley (City) plans to implement a segment the downtown Visioning Plan established by BKF and Gates + Associates in January of 2015, and reinforce a vision that will promote the addition of businesses and development within the core of the City of Oakley. It is with great interest and excitement that BKF Engineers (BKF) is submitting this proposal to develop plans, specifications and estimate (construction documents) to advance the design for the improvements on Main Street from Norcross Lane to Second Street.

BKF will be teaming with Gates + Associates (Gates) in this exciting effort. As noted within our proposal, we are personally committed to the City and this project. Natalina Bernardi will serve as the City's main point of contact.

Our team has an excellent reputation of developing concepts and implementing designs that are not only attractive, but consider localized constraints so that they can be realized as envisioned before construction. Over the past decades, our team has proven to be an industry-leader working within urbanized settings that are revitalized and converted to better-serve its community. BKF and Gates have collaborated on the Oakley Downtown Visioning Plan in January of 2015 and have a clear understanding of the City's vision and project constraints. In developing this vision with the City, BKF and Gates + Associates will provide a seamless transition into final design and the continuation of the City's vision for the downtown core.

BKF looks forward to providing the same professionalism and skill in preparation of the PS&E for Main Street from Norcross Lane to Second Street. We appreciate the opportunity to submit this proposal and look forward to continuing our excellent working relationship with the City of Oakley.

Very truly yours,

BKF ENGINEERS


Natalina V. Bernardi, PE, LEED AP
Principal / Vice President

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Suite 250
Pleasanton
California 94588
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www.bkf.com

BKF recognizes that a complete understanding of services and an organized project delivery approach is critical for project success. We understand that managing, building consensus, and obtaining project approvals and permits is often more challenging than preparing the actual design documents. Ensuring that these processes are managed will allow the City of Oakley's Project to be delivered on schedule and within budget. Our expertise and straight forward approach in managing federally funded projects under the Caltrans local assistance program will enable the City of Oakley to meet or exceed federally funded deadlines. Below is our overall project understanding followed by our management and design approach:

PROJECT UNDERSTANDING

The City of Oakley plans to extend the Main Street downtown improvements from Norcross Lane to Second Street. The new streetscape extension will advance the planned segment on Main Street from Norcross Lane to Second Street to final PS&E design. Improvements at the intersections of Main Street/Norcross Lane, Main Street/Hall Street, Main Street/O'Hara Avenue, and Main Street/Second Street will enhance pedestrian safety and connectivity. Traffic signal improvements at the Main Street/Norcross Avenue intersection will be consistent with pedestrian improvements at this intersection.

The project will add sidewalks and bulb-outs on Main Street from Norcross Lane to Second Street, increasing connectivity, safety, and facilitating pedestrian crossing by allowing individuals to establish their presence within a crossing area before vehicles begin to turn. The project will also provide enhanced pedestrian accommodations, accessible sidewalks and curb ramps, and site furnishings. Increasing parking spaces and access along Main Street and minor cross-streets will facilitate access to downtown merchants and create a buffer from the roadway. Developing sidewalk continuity through driveways and added control at major intersections will allow visitors and patrons to walk from one place to the next while navigating through the downtown core.

It is understood that there will be no right of way acquisitions with this project. Utility relocation and drainage improvements will be only to support the street design.

BKF will prepare the PS&E documents for construction to include geometric design, grading, drainage design, lighting, traffic signal, utility relocation, and streetscape, planting and irrigation enhancements for the planned street improvements. A full description of the scope of work is summarized below.

The project will be consistent with the City's Downtown Specific Plan (adopted March 2010)
and with the Downtown Visioning Plan (January 2015).

SCOPE OF SERVICES

TASK 1: PROJECT MANAGEMENT

The project will begin with a kickoff meeting with the City of Oakley. Our approach to Project Management includes comment review meetings after each milestone submittal. BKF will prepare meeting agendas and keep minutes for meetings with the City. We will also prepare and update the project schedule on a monthly basis which will be presented at the project coordination meetings.

Project Administration – BKF’s Project Manager will supervise, coordinate, and monitor the design for conformance with City’s standards and policies. BKF will establish and implement a quality control procedure for design activities, perform in-house quality control reviews for each task, and submit project deliverables to the City for review in accordance with the approved schedule.

Kick-off Meeting - A partnering/kick-off meeting will be scheduled with the City soon after the Notice-to-Proceed to confirm project scope, goals, and objectives.

Meetings - Conduct monthly project meetings either in person or via teleconference. BKF will attend monthly progress meetings with the City staff to discuss the project progress, issues which may affect the project schedule and budget, and any other agenda items that the City may request for discussion. BKF will prepare the agenda, action logs, updated project schedules and meeting minutes.

CPM Schedule – BKF will prepare a detailed Critical Path Method (CPM) schedule for the entire project using Microsoft Project software. The Microsoft Project CPM schedule will be updated on a monthly basis and submitted at each monthly Project Meeting.

Invoices/Progress Reports – BKF will prepare and submit budget reports, monthly progress reports, and invoices in accordance with the City’s requirements.

Quality Assurance - BKF will perform an in-house QA/QC review of the documents submitted to the City and outside agencies. BKF’s quality control review prior to each submittal will include the review of the design package for coordination among the various design elements, compliance with City and Federally Funded project standards, and completeness. The different project sheets will present the design in a common manner with no contradictions or variances. The review will focus on ensuring that the plan elements are clearly delineated.

Task 1 Deliverables

- 1) *City Meeting Agendas/Minutes (8 Meetings)*
- 2) *Project Schedule*

TASK 2: SURVEY/RECORD BOUNDARY/REPORTING/DOCUMENT EXISTING CONDITIONS

Immediately after receiving the Notice-to-Proceed, BKF will perform site investigations and review all available documentation. We will conduct preliminary investigations and verify right of way and utility locations. This task will consist of compiling, reviewing existing data pertinent to the project and performing investigations necessary to verify the project’s criteria and scope. Also included are planning phase activities, identifying supplemental information, performing field survey work, and conducting site visits/field review, and obtaining information and requirements related to utilities and right of way conditions.

In the initial phase of work, BKF will investigate the extent and perform field studies necessary to understand the existing conditions. Our approach will minimize unnecessary labor and expense allowing the City to direct additional funds for street improvements. The data collected will help our team define site constraints, confirm budget, and establish the scope of work necessary to prepare the streetscape along Main Street. BKF team activities will include the following during this task:

Collect Record Data and Relevant Project Information: BKF will obtain and review available data and information necessary for the design of the project. This information may be obtained from the City, utility companies, or other organizations. BKF will compile available pavement information, right of way record maps, utility occupation drawings, block maps, and third party utility as-built information of record to supplement the topographic base sheets and begin the utility verification process. Data to be reviewed includes the following:

- Review work performed as part of the Main Street Downtown Street Improvements PS&E – CIP 11 and 103
- Previous report(s) or documents related to the proposed project area
- As-built plans
- Utility information
- Right of way information

Field Review:

BKF will visit Main Street with the City to document the project limits, conform areas, and verify locations of existing above-ground utilities. We will compile both a photographic log and field notes of the investigation. BKF will evaluate the following:

- Existing pavement condition
- Existing limits of curb, gutter and sidewalk to remain – identify conform locations
- Location of entrance ways
- Location of existing utility boxes and poles and signal equipment
- Back of walk conforms for sidewalk and curb ramps

Background/Supplemental Survey - BKF will use the existing raw aerial topographic base map of the project area as background for the plan sheets. Our field survey crews will recover sufficient survey monument information in the area to establish control that will be used for the project. The horizontal and vertical coordinate system used for establishing existing survey control for the project will be determined upon further discussions with the City.

BKF will provide supplemental survey services for purposes of locating elements in the field that are necessary for design of the Downtown Main Street improvements from Norcross Lane to Second Street. Some of these elements will include elevation at entrance ways, existing improvements to remain (for conform purposes), street crown elevation, limits of driveways, manhole invert elevations, utility poles, vaults, and building corners and traffic signal equipment.

Record Boundary - Utilizing the survey control and the existing raw aerial mapping, BKF will obtain recorded right of way information to provide record boundary of the various individual parcels that are located within the project limits. The record boundary and easement information will be superimposed onto the aerial topographic map.

This proposal excludes title services, County map checking or filing fees, mailing and reproduction costs, plotting expenses, the setting of any property corners and the filing of any record of survey that may be required under California law. This proposal is also based on the fact that BKF will be provided with access to all of the properties within and adjacent to the survey limits.

This scope of services assumes that all utilities will be placed within the roadway right of way under the franchise agreement and that no separate Public Utility Easements will be required for the project.

Utility Research and Coordination: BKF will perform utility research to map the existing utilities in the project area, have USA field locate utilities that potentially conflict with the proposed improvements, and develop relocation plans for conflicting utilities. We will incorporate the City's storm drain and sewer information into the base drawing. All the gathered utility information will be compiled and used to supplement the project bases sheets to provide a complete existing base.

BKF will prepare a potholing plan for concurrence by the City and work with EXARO Technologies to positively identify location of existing utilities. This level of effort will minimize construction costs and ensure the correct placement of the proposed improvements. We will provide both written notice and hold a meeting at the City offices describing the proposed construction schedule. As part of the utility coordination work, BKF will:

- Review work performed as part of the Main Street Downtown Street Improvements PS&E – CIP 11 and 103
- Review and update as-built utility information for the Project area
- Request utility mapping from all affected utility owners
- Update base mapping with existing utility information
- Identify potential utility conflicts
- Submit utility maps to impacted utility owners for verification of potential conflicts
- Prepare utility potholing plan for coordination with EXARO Technologies
- Coordinate the above work with the utility owners

Geotechnical Data: Parikh Consultants Inc. (PCI) will evaluate existing geotechnical data and establish "R-Values" for areas of asphalt overlay or reconstruction of street section where necessary. Parikh Consultants will perform field exploration, borings, sample evaluation and testing for the project. They will prepare a geotechnical memorandum and log of test borings establishing the recommended pavement section. This scope of work assumes that the City will waive all permit fees related to geotechnical investigation.

Task 2 Deliverables

- 1) *Aerial Topographic Background and Supplemental Survey*
- 2) *Record Boundary*
- 3) *Utility Mapping/Potholing plan*
- 4) *Geotechnical Memorandum*

TASK 3: PRELIMINARY DESIGN

BKF will refine the concept design prepared to date based on multiple factors such as utility impacts, right of way impacts, pedestrian connectivity, overall cost and schedule, and work with the City and stakeholders to develop a detailed design to be advanced into final design. BKF will advance the concept and identify the following, assessing benefits, constraints and challenges:

- Prepare Horizontal and vertical alignment, layout and lane configuration
- Prepare typical sections showing right of way and conform limits
- Provide a design that will implement facilities for pedestrians while maintaining two lanes in each direction.
- Evaluate locations and limits of bulb-outs
- Prepare a preliminary Utility Relocation Plan
- Prepare order of magnitude cost estimate for design.
- Prepare memo establishing the design criteria for final design
- Refined layout of hardscape and softscape
- Prepare options for gateway elements (up to 3 options)
- Preliminary details (seatwalls, site accessories or furniture)
- Selection of plant materials
- Conceptual site landscape lighting
- Review cost estimate of participation in value engineering.
- Prepare presentation exhibits, including two photo simulations.
- Participate in presentation to finalize design direction.

The advanced preliminary design will be detailed as an approved preliminary plan in exhibit form with cross sections and highlighted details to ensure that all potential issues are discussed. With concurrence on the details and criteria of the design, the project can proceed in obtaining formal approval.

Task 3 Deliverables

- 1) *Preliminary Design Layout for Main Street from Norcross Lane to Second Street*
- 2) *Preliminary Utility Relocation Plan*
- 3) *Gateway Options*
- 4) *Presentation Material/Photo simulation*

TASK 4: FINAL DESIGN

With the completion of the Preliminary Design Phase, BKF will initiate the Final Design Phase preparing plans, specifications, and Construction Cost Estimate as discussed below.

Based on the developments during the design and criteria established during the preliminary phase, all the major components of the design plans, technical specifications and estimate will be advanced to final design during this phase.

TASK 4.1 Project Plans

Design submittals will be prepared for the 60%, 90% and final plans. With the establishment and review of the alignment and geometry, design will be production-oriented for preparation of project plans. The plans will be developed to a 60% level in order to obtain a thorough review.

The focus of the design team is to finalize the supplemental project information that forms the basis of design for the project. In this light, the emphasis becomes design and production-oriented. All project sheets, which will be represented in the bid documents, will be identified and developed in varying degrees of detail during this phase.

The vertical design, including flow line and pavement elevations, will be established during the 60% plans, specifications and estimate (PS&E) design effort. The back of walk, cross slope and longitudinal slope, flow line, and pavement elevations will consider and balance the Project area constraints including conforms, and will incorporate impacts to driveways, curb ramps, and adjacent sidewalk interface conforms.

For the 90% submittal, BKF will incorporate or resolve any remaining comments received as a result of the 60% submittal review. BKF will also conduct remaining site investigations. It is crucial that the design engineers are confident that existing field conditions have not changed since inception of the project and are depicted accurately in the bid-ready documents. Assumptions, in lieu of verifications, are not acceptable; BKF will walk the site with the final bid documents prior to submittal. All remaining aspects of the design will be finalized in order to prepare a complete, checked and bid-ready set of documents. Schedules for utility relocations will be confirmed. The construction cost estimate will be updated and formatted to its final form. BKF will conduct a final quality control review on all documents to ensure that all design elements are thoroughly addressed prior to their submission to the City.

In the Final Submittal, BKF will prepare bid-ready documents.

For each design submittal, BKF will prepare the following plan sheets in progressive levels of details:

Title Sheet: will be prepared to provide an overview of the project limits and an index of project sheets. Project abbreviations, legend, and survey controls will also be included.

General Notes: General notes will include applicable City standard notes, and project notes.

Typical Cross Sections: Plans will include cross section showing cross slopes, type and depth of new pavement section and the following: face of curb, back of walk, median, sidewalk, lane widths, grade breaks, bulb-outs, and right of way limits.

Demolition Plan: BKF will evaluate the existing facilities impacted by the proposed improvements. The evaluation shall include existing conditions, unusual/special conditions and adjustments of manholes/valve covers conflicting with the proposed work. Demolition plans will show existing sidewalk, curb and gutter to be removed, removal of existing street pavement section, conform grind area, and existing residences with addresses. Additionally, all facilities to be protected in place will be identified. Existing utilities will be shown

as background information.

Improvement Plans: Improvement Plan sheets will be prepared showing the top of curb and back of walk lines along the north and south sides of Main Street illustrating the limits and scope of surface improvements. Plan sheets will include basic horizontal and vertical layout information and identify all major construction features including areas of reconstruction and limits of conform at driveways and intersections. More specifically, the plan will be at 1"=20' scale showing the station line with distance and bearing, station line/offset of each driveway, curb ramp locations, limits of new pavement section, limit of pavement conforms, and important elements to protect in place. The plan will also identify the location of new curb ramps with respect to new and existing utility boxes and inlets. Existing and proposed elevations will be shown in the plan at every 50 feet and for relevant changes along the crown, flow line, and at the back of walk.

Construction Details: Details will be provided as necessary to provide guidance to the Contractor on special conditions related to sidewalk, back of walk conforms, and intersection grading. Additionally grading plans will be prepared and added to the details sheets. BKF will show City standard details for curb, gutter and sidewalk, pavement conform, and utility adjustments on detail sheets.

Drainage Plan, Profiles and Details: Drainage plans will be prepared showing the proposed site improvements and existing drainage system with proposed drainage modifications and additions. Drainage plans will include location of proposed manholes and inlets and location of tie-in to the existing drainage system. The drainage plan will be prepared at 1"=20' scale showing the station line with, station line/offset of each manhole and inlet, and important drainage elements to protect in place will be identified.

The profile will be prepared at 1":20' horizontal/1":4' vertical and will include existing and proposed profiles for the crown/center line, and north and south flowlines with slope values. BKF will also include elevations at entrance ways for conform at the back of walk.

Drainage details will be provided as applicable for the new drainage system to include new pipe connections to existing manholes and tie-in to

Utility Rearrangement Plans: BKF will identify all utilities that are impacted by the project (e.g. water, sewer, gas, electric, cable TV, telephone, valves, boxes, and service connections) on 20-scale plan sheets. BKF will provide utility adjustments to the City, and coordinate with the appropriate utility owners.

Erosion Control Plans and Details: It is BKF's understanding that permanent storm water treatment will not be required for this project based on our preliminary evaluation from our storm water expert, Ed Boscacci a Qualified Storm Water Pollution Prevention Plan Developer (QSD) and Qualified Storm Water Pollution Prevention Plan Practitioner (QSP). BMP plans will show location of gravel bags and check dams along the gutters, curb inlet protection and trees to be protected in place. Notes will make reference to compliance with appropriate sections in the City's special provisions.

Pavement Delineation and Sign Plans: New signs will be placed onto the new poles, as necessary, for integration with the new streetscape improvements. Pavement delineation plans will include turning movements at each intersection and will extend 50 feet into roads that intersect with Main Street to include Norcross Lane, Hall Street, O'Hara Avenue and Second Street.

Lighting and Traffic Signal Plan: BKF will provide the traffic signal modification plan for the traffic signal at the intersection of Main Street/O'Hara Avenue. Based on our preliminary evaluation, it is understood that the existing traffic signal service and controller cabinets do not need to be relocated. BKF will also provide a design for a new traffic signal at the intersection of Main Street/Norcross Lane. AEC Engineers, as part of the BKF team, will prepare Lighting plans for the proposed street lights along Main Street.

Landscaping Layout, Planting and Irrigation Plans and Details: David Gates and Associates, as part of the BKF team will prepare the following: Layout plans for landscaped areas, hardscaped areas, and site furnishings; landscape lighting coordination - location and fixture selection; planting plans and details; irrigation plans and details; landscape construction items; and gateway element. Since the gateway feature is unknown at this time, there is no structural design being estimated but can be done so after it is determined as needed.

TASK 4.2 Specifications

Specifications will be prepared using standard C.S.I. format modified as appropriate for City Standards for all work items necessary for the construction of the project. BKF will assemble the Technical Specifications and appropriate City "Boilerplate" Special Provisions for Federally Funded Projects. The Specifications will be prepared for the 60%, 90%, and Final Submittals.

TASK 4.3 Construction Cost Estimate

BKF will prepare a preliminary cost estimate to ensure that the magnitude of cost corresponds to the project budget. Should the scope exceed the budget, we will include value-engineering strategies in our analysis, which may include alternative rehabilitation strategies or delaying repairs to certain segments. The Construction Cost Estimate will be prepared using present-day dollars; escalation costs will not be applied. The Construction Cost Estimate will be prepared for the 60%, 90%, and Final Submittals.

Task 4 Deliverables

- 1) *60% PS&E Submittal with Response to Comments from Preliminary Design*
- 2) *90% PS&E Submittal with Response to Comments from 60% Design*
- 3) *Final Documents with Response to Comments from 90% Design*

TASK 5: UTILITY RELOCATION AND STAKEHOLDER COORDINATION

BKF's key to successful stakeholder coordination is a multifaceted and parallel delivery approach. After advancing the preferred alternative into final design, BKF will prepare a comprehensive deliverable to be submitted to each stakeholder simultaneously.

Utility Coordination and Relocation

There are various water, gas, electrical and overhead utilities along Main Street from Norcross Lane to Second Street. BKF will send out utility notices and obtain utility mapping information. We will also provide notification of probable utility impacts to affected utility owners and coordinate a suitable plan for relocation of impacted

utilities. One utility of note is the overhead electrical line along the north and south sides of Main Street. BKF will work with the City to protect the power poles in place where feasible.

Task 5 Deliverables

- 1) *Utility Notice to Owner*
- 2) *Utility Coordination*

TASK 6: Bid Assistance

BKF will assist the City during the project bid period to respond to contractor's questions on the contract documents.

Task 6 Deliverables

- 1) *None*

Notes and Conditions:

Notes and conditions to the scope of work above are noted as follows:

1. *Geotechnical services are only for the purpose of establishing the roadway section.*
2. *Drilling Permit fees from the Contra Costa Environmental Health Department will be considered a pass-through cost to the City.*

RESOLUTION NO. ___-15

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF OAKLEY
APPROVING AN AGREEMENT WITH BKF ENGINEERS, INC. FOR
ENGINEERING DESIGN SERVICES ASSOCIATED WITH MAIN STREET
IMPROVEMENTS (NORCROSS LANE TO 2ND STREET) PROJECT NUMBER
165 AND AUTHORIZING THE CITY MANAGER TO EXECUTE THE
AGREEMENT**

WHEREAS, as part of the Fiscal Year 2015/16 Budget, the City of Oakley approved a 5-Year Capital improvement Program (CIP); and

WHEREAS, Project Number 165 is to design the improvements for the Main Street (Norcross Lane to 2nd Street) in downtown Oakley; and

WHEREAS, BKF Engineers, Inc., is the premiere engineering firm in the bay area with expertise in municipal downtown design and development and were involved in the City of Oakley downtown "Visioning" project in 2014; and

WHEREAS, BKF Engineers, Inc., has submitted a proposal to prepare design services for CIP Project Number 165 for an amount not to exceed \$272,000; and

NOW, THEREFORE, BE IT RESOLVED AND ORDERED, that the City Council of the City of Oakley hereby approves the proposal with BKF Engineers, Inc. for the preparation of engineering concept design drawings, and cost estimates for CIP Project Number 165 for an amount not to exceed \$272,000, in the form attached hereto as Exhibit A, and authorizes the City Manager to execute into the agreement.

PASSED AND ADOPTED by the City Council of the City of Oakley at a meeting held on the 14th of July, 2015 by the following vote:

AYES:
NOES:
ABSENT:
ABSTENTIONS:

APPROVED:

ATTEST:

Doug Hardcastle, Mayor

Libby Vreonis, City Clerk

Date

**City of Oakley
Downtown Main Street Improvements**

TASK	SCOPE DESCRIPTION	STAFF CATEGORY										Total Hrs	EST FEE					
		PIC (Nafalina Bernardi) \$215.00	PM (Marcelo Cosenfino) \$183.00	Associate (Davis Thresh) \$187.00	Associate (Jeff Wang) \$187.00	Engineer III/ Survey III \$151.00	Engineer II/ Survey II \$133.00	Engineer I/ Survey I \$115.00	Drafter III \$130.00	Survey Crew \$252.00	Admin \$61.00		Avg \$/hr					
Task 1	Project Management																	
	Project Management		8	16												24	\$	4,648.00
	Meetings		16	24												40	\$	7,832.00
	Quality Control		2	4				12								18	\$	2,974.00
	Subtotals		26	44	-	-	12	-	-	-	-	-	-	-	82	\$	15,454.00	
Task 2	Survey/Record Boundary/Document Existing Conditions																	
	Obtain/Review Existing Data, As-builts			4					8							12	\$	1,796.00
	Background/Supplemental Survey			2	4			16		48			32			102	\$	17,114.00
	Right of Way Record Boundary			2	4			8		20			12			46	\$	7,646.00
	Map Existing Utilities			4					8			16				28	\$	3,876.00
	Subtotals		-	12	8	-	24	16	68	16	44	-	-	-	188	\$	30,432.00	
Task 3	Preliminary Design																	
	Preliminary Design Submittal 1		4	10		8	8	24	18	28						100	\$	14,296.00
	Evaluate/Prepare response to Comments		2	6		4										12	\$	2,276.00
	Preliminary Design Submittal 2		4	8		4	8	12	14	24						74	\$	10,606.00
	Subtotals		10	24	-	16	16	36	32	52	-	-	-	-	186	\$	27,178.00	
Task 4	Final Design (City)																	
	Prepare 60% Design		10	18	4	24	36	54	56	62				8		272	\$	38,286.00
	Evaluate/Prepare response to Comments		8	14		6										28	\$	5,404.00
	Prepare 90% Final Design		10	14		20	32	36	42	52				8		214	\$	30,150.00
	Evaluate/Prepare response to Comments		6	10		4										20	\$	3,868.00
	Prepare Final Submittal Package		6	10		4	10	18	24	36				8		116	\$	15,700.00
	Subtotals		40	66	4	58	78	108	122	150	-	-	-	24	650	\$	93,408.00	
Task 5	Utility and Stakeholder Coordination																	
	Utility Coordination																	
	Send out Notices to Utility Owners			4				8								12	\$	1,796.00
	Utility Coordination		8	14			20	24		12						78	\$	12,054.00
	Subtotals		8	18	-	-	20	32	-	12	-	-	-	-	90	\$	13,850.00	
Task 6	Bid Support																	
	Support City with responding to Bidder's inquiries		2	4				8								14	\$	2,226.00
	Subtotals		2	4	-	-	-	8	-	-	-	-	-	-	14	\$	2,226.00	

**City of Oakley
Downtown Main Street Improvements**

TASK	SCOPE DESCRIPTION	STAFF CATEGORY										EST FEE Avg \$/hr																																																												
		PIC (Natalina Bernardi) \$215.00	PM (Marcelo Cosentino) \$183.00	Associate (Davis Thresh) \$187.00	Associate (Jeff Wang) \$187.00	Engineer III/ Survey III \$151.00	Engineer II/ Survey II \$133.00	Engineer I/ Survey I \$115.00	Drafter III \$130.00	Survey Crew \$252.00	Admin \$61.00		Total Hrs																																																											
<table border="1"> <thead> <tr> <th></th> <th>PIC (Natalina Bernardi)</th> <th>PM (Marcelo Cosentino)</th> <th>Associate (Davis Thresh)</th> <th>Associate (Jeff Wang)</th> <th>Engineer III/ Survey III</th> <th>Engineer II/ Survey II</th> <th>Engineer I/ Survey I</th> <th>Drafter III</th> <th>Field Surveyor</th> <th>Admin</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Totals By Classifications</td> <td>86</td> <td>168</td> <td>12</td> <td>74</td> <td>150</td> <td>200</td> <td>222</td> <td>230</td> <td>44</td> <td>24</td> <td>1,210</td> </tr> <tr> <td>Total Direct Labor</td> <td>\$ 18,490.00</td> <td>\$ 30,744.00</td> <td>\$ 2,244.00</td> <td>\$ 13,838.00</td> <td>\$ 22,650.00</td> <td>\$ 26,600.00</td> <td>\$ 25,530.00</td> <td>\$ 29,900.00</td> <td>\$ 11,088.00</td> <td>\$ 1,464.00</td> <td>\$ 182,548.00</td> </tr> <tr> <td>Avg Hrs per month (based on 8 months design period)</td> <td>10.75</td> <td>21.00</td> <td>1.50</td> <td>9.25</td> <td>18.75</td> <td>25.00</td> <td>27.75</td> <td>28.75</td> <td>5.50</td> <td>2.40</td> <td>121.00</td> </tr> <tr> <td>FTE's</td> <td>0.06</td> <td>0.13</td> <td>0.01</td> <td>0.06</td> <td>0.11</td> <td>0.15</td> <td>0.17</td> <td>0.17</td> <td>0.03</td> <td>0.01</td> <td>0.72</td> </tr> </tbody> </table>													PIC (Natalina Bernardi)	PM (Marcelo Cosentino)	Associate (Davis Thresh)	Associate (Jeff Wang)	Engineer III/ Survey III	Engineer II/ Survey II	Engineer I/ Survey I	Drafter III	Field Surveyor	Admin	Total	Totals By Classifications	86	168	12	74	150	200	222	230	44	24	1,210	Total Direct Labor	\$ 18,490.00	\$ 30,744.00	\$ 2,244.00	\$ 13,838.00	\$ 22,650.00	\$ 26,600.00	\$ 25,530.00	\$ 29,900.00	\$ 11,088.00	\$ 1,464.00	\$ 182,548.00	Avg Hrs per month (based on 8 months design period)	10.75	21.00	1.50	9.25	18.75	25.00	27.75	28.75	5.50	2.40	121.00	FTE's	0.06	0.13	0.01	0.06	0.11	0.15	0.17	0.17	0.03	0.01	0.72	\$ 182,548.00
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4. Subconsultant																																																																								
	Task 1	Task 2	Task 3	Task 4	Task 5	Task 6																																																																		
David Gates and Associates (Landscaping Design)			\$ 11,550.00	\$ 19,800.00		\$ 5,500.00						\$ 36,850																																																												
Parikh Consultants (Geotechnical)		\$ 8,800.00										\$ 8,800																																																												
AEC Engineers (Electrical)				\$ 14,080.00		\$ 2,420.00						\$ 16,500																																																												
Exaro Technologies Inc. (Utility Potholing) - Allowance		\$ 20,000.00										\$ 20,000																																																												
Subconsultant Costs												\$ 82,150.00																																																												
6. Reimbursable																																																																								
Printing, Deliver, Mileage, Postage, Parking												\$ 7,302																																																												
Reimbursable												\$ 7,302.00																																																												
PROJECT TOTAL												\$ 272,000.00																																																												