



STAFF REPORT

Date: Tuesday, July 11, 2017

To: Bryan H. Montgomery, City Manager

From: Kevin Rohani, P.E. Public Works Director/City Engineer

Subject: Agreement with BKF Engineers, Inc. for Engineering Design Services Associated with CIP # 208 – Laurel Road Reconstruction Project (Mellowood Drive to Main Street)

Approved and Forwarded to City Council:


Bryan H. Montgomery, City Manager

Background and Analysis

The City's adopted FY 2017/18 Capital Improvement Program (CIP) Budget designates funding for various infrastructure repair and replacement projects. This is consistent with the City's goals to improve the quality of the City's public infrastructure and to enhance the quality of life for our residents.

Laurel Road is a major arterial street in Oakley and a key component of the City's transportation network, in addition to being the only direct connector to Highway 4. The improvements and widening of Laurel Road are a priority for the City of Oakley.

The section of Laurel Road from Rose Avenue to Mellowood Drive is an older two (2) lane roadway that has not had any improvements for years and subsequently suffers from base and surface failures. The widening and improvements to the section of Laurel Road from Rose Avenue to Mellowood Drive to a four (4) lane roadway was part of the FY 2016/17 CIP; design for this project has been underway with construction planned for early 2018.

The section of Laurel Road from Mellowood Drive to Main Street needs reconstruction and widening as a result of major Sierra-Crete contamination of the roadway base. The failure of the roadway base as a result of the existence of Sierra-Crete, have created a chronic and costly maintenance problem for the City which is not sustainable. This project is one of the highlights of the FY 2017/18 CIP as approved by the City Council.

For the design of the Laurel Road Widening Project from Rose Avenue to Mellowood Drive, staff prepared a formal Request for Proposal for the selection of a design consultant, which was publically advertised and published. A total of four (4)

proposals were received in response to the City's RFP process. A team of Engineering and Planning staff performed an extensive review of the proposals and qualifications of the consultants who participated in this process. At the conclusion of this process, BKF Engineers, Inc. was identified with the highest rank and the most qualified firm to undertake this design project. This firm has been successfully working on the design of this project, and staff recommends for continuity of the design and operations, that BKF Engineers, Inc. perform the design of the Laurel Road Reconstruction Project (Mellowood Drive to Main Street). Staff has negotiated the final scope of work and design cost that is best suited for the project.

The scope of this project design is to complete the reconstruction of Laurel Road from Mellowood Drive to Main Street. This work will involve excavation and removal of all failed roadway base material that contains Sierra-Crete, widening the north side of Laurel Road towards Main Street, modify and rehabilitate the traffic signal at the intersection of Laurel Road and Main Street, remove and replace all damaged curbs and sidewalks, and construct new landscaping and street lights. It is anticipated that the design of this project will take place in FY 2017/18 followed up by construction in FY 2018/19.

Fiscal Impact

Approval of the resolution will authorize the City Manager to execute an agreement with BKF Engineers, Inc. for a cost not to exceed \$169,245. This cost proposal was negotiated by staff to ensure the project design needs are accommodated, especially utility potholing that is a critical element of any roadway construction project. The FY 2017/18 Capital Improvement Program budgeted \$175,000 from the TIF Fund for this design 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 208 – Laurel Road Reconstruction Project (Mellowood Drive to Main Street) and authorizing the City Manager to enter into the agreement.

Attachments

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



May 9, 2017
BKF No. 20176057

Kevin Rohani, PE, Public Works Director/City Engineer
City of Oakley
3231 Main Street
Oakley, CA 94561

Subject: Proposal for Design Services & Preparation of Plans, Specifications, & Cost Estimate for Laurel Road Widening Project (Mellowood Drive to Main Street)

It is with continued interest and excitement that we are responding to your request to extend the Laurel Road widening from Mellowood Drive to Main Street. The following proposal highlights the BKF Engineers (BKF) team's commitment, expertise, and resources necessary to prepare high quality design documents while keeping in mind the budget and schedule. The following represent our essential qualifications:

Core Values. BKF's core values integrate the principles defined in terms of: Manage, Define, Develop, and Validate. We manage expectations and stakeholders concerns. We define critical constraints early-on in the project. We develop options, alternatives, and deliverables that provide contextually based solutions. We validate the design and ensure that it meets the project goals and is a high quality document. BKF delivers projects that are economical, practical, and respective of the community they serve.

Experienced Team. BKF's corporate structure utilizes permanent standing teams assigned and committed to specific projects aligning with their expertise. As Project Manager, Mr. Cosentino will lead the design and project coordination effort and will be supported by Ms. Bernardi as Principal-in-Charge. Mr. Cecilio has been assigned to the project as the QA/QC Engineer. All key personnel provided within this proposal are committed and available for the duration of the Project. The team is comprised of engineers and surveyors who are well versed in the specific requirements of your Project. They are engineers who have worked on numerous roadway widening and reconstruction projects that involve pedestrian and bicycle improvements, utility relocation, lane revisions, stage construction, surveying, right of way mapping, and coordination with land development projects.

As members of the BKF team, our subconsultants **GATES + ASSOCIATES**, **AEC ENGINEERS**, and **PARIKH CONSULTANTS** will provide landscaping, lighting/electrical, and geotechnical services, respectively, for the proposed roadway widening.



Proposal for Design Services & Preparation of Plans,
Specifications, & Cost Estimate for Laurel Road Widening Project
(Mellowood Drive to Main Street)

5/9/17

BKF Job No.: 20176057

Page 2 of 2

BKF Engineers is proud of its record on client service and delivery of quality documents for the City of Oakley. For your consideration, attached is our understanding and straight forward approach for the Laurel Road Widening from Mellowood Drive to Main Street, along with our scope of work and fee estimate. BKF is committed to meeting the City's schedule and budget for this project.

BKF looks forward to providing continuing professionalism and service in preparation of the PS&E for Laurel Road Widening Project from Mellowood Drive to Main Street. We appreciate the opportunity to submit this proposal and look forward to continuing our excellent working relationship with the City of Oakley.

We look forward to discussing this project with you further.

Very truly yours,

BKF ENGINEERS

A handwritten signature in blue ink, appearing to read 'N. Bernardi', is written over the typed name.

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

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 local projects will enable the City of Oakley to meet or exceed project goals. Below is our overall project understanding followed by our scope of services.

PROJECT UNDERSTANDING

The City of Oakley plans to extend the Laurel Avenue widening from Mellowood Drive to Main Street. The project will add a meandering sidewalk and curb and gutter with an additional westbound lane on the north side of Laurel Avenue from Mellowood Drive to Main Street, increasing roadway capacity, improving connectivity, safety, and facilitating pedestrian access. In addition, the project will reconstruct the existing medians and will provide pavement repair and reconstruction for the existing westbound and eastbound lanes. The project will also provide enhanced pedestrian accommodations, accessible sidewalks and curb ramps. Developing sidewalk continuity will improve local access to Main Street.

It is understood that BKF will prepare the PS&E documents for inclusion into the PS&E for the Laurel Road Widening from Rose Avenue to Mellowood Drive (CIP 196). These will include geometric design, grading, drainage design, lighting, traffic signal modifications, utility relocation, and planting and irrigation for the planned roadway widening. A full description of the scope of work is summarized below.

SCOPE OF SERVICES

TASK 1: PROJECT MANAGEMENT

It is assumed that the work to widen Laurel Road from Mellowood Road to Main Street would be added to the plans specifications and estimate for CIP 196 and would not be issued as a separate PS&E contract. It is therefore assumed that project management scope of work is included in the ongoing effort for the work being performed in the Laurel Road Widening from Rose Avenue to Mellowood Drive (CIP 196).

TASK 2: SURVEY/RECORD BOUNDARY/SITE INVESTIGATION

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 and 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, obtaining aerial topographic mapping, performing field survey work, and conducting site visits/field review, and obtaining information and requirements related to utilities and right of way conditions.

PROJECT UNDERSTANDING & APPROACH

Laurel Avenue widening from Mellowood Drive to Main Street



In the initial phase of work, BKF will perform investigations and site visits 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 widening along Laurel Road. 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:

- 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 Laurel Road 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 obtain an aerial topographic base map of the project area as background for the plan sheets. The horizontal and vertical coordinate system used for establishing existing survey control for the project will be the same as what was used for CIP 196.

BKF will provide supplemental survey services for purposes of locating elements in the field that are necessary for design of the Laurel Road Widening from Rose Avenue to Mellowood Drive. Some of these elements will include existing limit of pavement, existing elements 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 aerial mapping, BKF will obtain recorded right of way information to provide record boundary of the parcels along Laurel Road. The record boundary information will be superimposed onto the aerial topographic map.

PROJECT UNDERSTANDING & APPROACH

Laurel Avenue widening from Mellowood Drive to Main Street



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 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.

Plat and Legal Preparation: Utilizing record map data, BKF will prepare plats and legals for two parcels that will be dedicated to the City. The two parcels are located at 277 Laurel Road (APN 034-260-026) and 401 Laurel Road (APN 034-260-025).

Utility Coordination: It is assumed that the utility coordination work is included under the original contract. However, BKF will need to contact utility owners again to request additional information along Laurel Road from Mellowood Drive to Main Street.

Utility Investigation: BKF will prepare a potholing plan for concurrence by the City and work with a potholing contractor to perform utility investigation. This level of effort will minimize construction costs and ensure the correct placement of the proposed improvements. As part of the utility investigation work, BKF will:

- Review and update as-built utility information for the Project area
- 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 a potholing contractor.

Geotechnical Data: Parikh Consultants will perform 4 pavement cores (2 in each direction) to evaluate the existing pavement and base course. The coring will be laboratory tested and evaluated. An Engineering report will be prepared that describes the existing pavement conditions and provides geotechnical guidance for pavement design and repair.

Task 2 Deliverables

- 1) *Supplemental Survey*
- 2) *Record Boundary*
- 3) *Utility Mapping/Potholing plan*
- 4) *Plats and Legal Descriptions for Property Dedication*
- 5) *Geotechnical Report*

TASK 3: DESIGN DEVELOPMENT

BKF will evaluate multiple factors such as utility impacts, right of way impacts, pedestrian connectivity, and overall cost and schedule. BKF will prepare a concept plan and identify benefits, constraints and challenges along Laurel Road.

- Prepare horizontal and vertical alignment, layout and lane configuration.

- Prepare typical sections showing proposed pavement section, right of way and conform limits.
- It is assumed that the westbound segment of Laurel Road between Mellowood Drive and Main Street will be reconstructed and widened. The existing westbound and eastbound segment of Laurel Road between Mellowood Drive and Main Street and the center median will be reconstructed or repaired, contingent on geotechnical recommendations.
- It is assumed that the eastbound curb and sidewalk will be protected in place.
- Implement a meandering sidewalk along the north side of Laurel Road.
- Evaluate location of street light poles.
- Prepare a preliminary Utility Relocation Plan.
- Prepare order of magnitude cost estimate for design.

35% Geometric Plan

The 35% Geometric Package will include a title sheet, typical cross sections, "cut" layout/grading sheets showing the roadway layout of the proposed improvements, including the intersection layout, wheel chair ramp location, pavement work, proposed curb grades and driveway re-grading, bioretention areas, catch basin and storm drain design. As part of 35% Geometric Package traffic signal modification plans, including signal layout and equipment and conductors schedule will be prepared. Signing and Striping sheets will be developed showing the relationship of the guide, warning, regulatory, and traffic handling devices with respect to the proposed improvements.

As part of the 35% Geometric Package, a detailed engineer's estimate will be initiated to reflect the design and construction details. This will be developed to assist the City with the verification of overall projects costs; a higher contingency (15% to 20%) will be used at this submittal, however, the 35% Design and Development Package estimate will be used as a basis to develop the schedule of bid items for all subsequent PS&E submittals throughout the Project. Specific bid items and precise quantities will be taken off, and directly linked and supported by the City technical specifications

BKF will amend the Drainage Report prepared for CIP 196 to include the widening of Laurel Road from Mellowood Drive to Main Street. Available information of project off-site drainage conditions will be evaluated to reinforce the recommended downstream water level to be used for sizing project improvements. Stormwater treatment will be evaluated by documenting flow to catch basins and sizing of stormwater treatment measures. The Draft Technical Memorandum prepared for CIP 196 will be amended to document the extension of Laurel Road widening to Main Street. A Final Technical Memorandum will be provided that incorporates City comments.

Task 3 Deliverables

- 1) *35% Design and Development Package Including,*
 - a. *Cover sheet for Construction Plans*
 - b. *Typical Cross sections*
 - c. *Demolition Plans*
 - d. *Layout Plan*

- e. *Drainage/Utility Plan*
- f. *Bioretention area calculations*
- g. *Amended Drainage Design Memorandum*
- h. *Grading Plan Constructions Details Sheet*
- i. *Traffic Signal Modification Plan*

- 2) *Preliminary Construction Cost Estimate*
- 3) *Amended Drainage Report*
- 4) *Amended Technical Memorandum*

TASK 4: CONSTRUCTION DOCUMENTATION

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. It is BKF's understanding that the work for this project will be incorporated into ongoing work for CIP 196, Laurel Road Widening (Rose Avenue to Mellowood Drive).

Based on 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 65%, 90% and 100% 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 65% 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 65% 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 65% submittal review. 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 set of documents. Schedules for utility relocations will be coordinated with utility owners. The construction cost estimate will be updated to reflect changes in the plans and specifications. 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.

For the Final 100% submittal, BKF will incorporate or resolve any remaining comments received as a result of the 90% 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 docs 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.

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

Title Sheet: 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 City standard notes, and project notes and applicable utility notes.

Typical Cross Sections: Plans will include cross sections showing cross slopes, type and depth of new pavement section and the following: curb and gutter, sidewalk, existing median, lane widths, grade breaks, 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, roadway excavation, and conform grind area. 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 meandering sidewalk alignment along the north side of Laurel Road illustrating the limits and scope of surface improvements. Plan sheets will include basic horizontal information and identify all major construction features including areas of reconstruction and limits of conform. 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.

Construction Details: Details will be provided as necessary to guide the Contractor on special conditions related to sidewalk, and intersection grading. BKF will show City standard details for curb, gutter and sidewalk, pavement conform and utility adjustments on detail sheets.

Grading and Drainage Plan, Profiles and Details: Grading and Drainage plans will be prepared showing the proposed site improvements and existing drainage system with proposed drainage modifications and additions. Existing and proposed elevations will be shown on the plan at every 50 feet and for relevant changes along the street, flow line, and along the meandering sidewalk.

Grading and 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. Important drainage elements to protect in place will be identified.

Drainage profiles will be prepared at 1":20' horizontal/1":4' vertical and will include existing profiles for the crown/center line, and north and south flowlines with slope values. Drainage details will be provided as applicable to supplement the proposed design

Traffic Signal Plans: BKF will prepare the traffic signal plan modification for the intersection of Laurel Road

at Main Street. The traffic signal plan will show existing traffic signal configuration and change resulting from the proposed improvements. The conductor and pole schedule will be included to show changes in conduit runs resulting from new pull boxes. It is anticipated that the traffic signal controller will not be relocated for this effort.

Lighting: AEC Engineers, as part of the BKF team, will prepare Lighting plans for the proposed street lights to be installed in the medians along Laurel Road.

Erosion Control Plans and Details: 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 as necessary for integration with the new roadway widening improvements. BKF will prepare pavement delineation plans based on the approved preliminary design.

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) and prepare utility rearrangement plans on 20-scale sheets.

Planting and Irrigation Plans and Details: David Gates and Associates, as part of the BKF team will prepare planting and irrigation plans and details. New landscaping will be added adjacent to the sidewalk on the north side of Laurel Road. Landscaping in the median and on the south side of Laurel Road will be protected in place; repairs will only be in areas damaged by proposed improvements.

TASK 4.2 Specifications

Parts 1, 2 and 3 of the Specifications will be prepared using City standard format for all work items necessary for the construction of the project. BKF will assemble the Technical Specifications and appropriate City Special Provisions for locally funded Projects. The Specifications will be prepared for the 65%, 90%, and 100% Submittals.

TASK 4.3 Construction Cost Estimate

BKF will prepare a Construction 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 100% Submittals.

Task 4 Deliverables

- 1) 65% PS&E Submittal with Response to Comments from 35% Design
- 2) 90% PS&E Submittal with Response to Comments from 65% Design
- 3) 100% PS&E Submittal with Bid Documents and Response to Comments from 90% Design

City of Oakley
 Laurel Road Widening Project
 (Mellowood Drive to Main Street)

TASK	SCOPE DESCRIPTION	STAFF CATEGORY											Total Hrs	EST FEE	
		PIC (Natalina Bernardi)	PM (Marcelo Cosentino)	Principal (Davis Thresh)	QA/QC (Carmelo Cecilio)	Engineer IV/ Survey IV	Engineer III/ Survey III	Engineer II/ Survey II	Engineer I/ Survey I	Drafter III	Field Crew	Admin			
Task 1	Project Management	\$230.00	\$180.00	\$230.00	\$180.00	\$176.00	\$162.00	\$142.00	\$124.00	\$139.00	\$270.00	\$65.00			
	Project Management														0
	Subtotals														
Task 2	Survey Record Boundary/Site Investigation														
	Attend Project Kick-off Meeting/Field Walk-through	2	2												4
	Obtain/Review Existing Data, As-builts						2	4							6
	Field Survey and Record Boundary	4	1				20		20				32		77
	Plat and Legal Preparation	2	4			14	24								40
	Map Existing Utilities	2	2				2	4			4				12
	Project Meetings	2	4				6								12
	Quality Control	2	2		4			2							8
	Subtotals	4	16	5	4	14	54	10	20	4	32			119	
Task 3	Design Development														
	35% Geometric Plan	1	4		4		8	8			12				37
	Amend Storm Water Treatment Memo and Design		4				8	10	4						26
	Coordination														
	Send out Notices to Utility Owners		2				6	4							4
	Utility Coordination		2				10	10		12					30
	Subtotals	1	10		4		22	32	4	24				97	
Task 4	Construction Documentation														
	Evaluate/Prepare response to Comments from 35% Design		2				2	8							12
	Prepare 65% Submittal Package/PS&E		4		2		14	24	28	34		2		108	
	Evaluate/Prepare response to Comments from 65% Design		2				2	4						8	
	Prepare 90% Plan Check Submittal Package/PS&E		4		2		12	22	24	30		2		96	
	Evaluate/Prepare response to Comments from 90% Design		2				2	4						8	
	Prepare 100% Final Submittal Package/PS&E		4		2		8	14	20	20		2		70	
	Evaluate/Prepare response to Comments from 100% Design		2				2	4						8	
	Prepare Bid-Ready Documents		2		2		8	10	10	8		2		42	
	Prepare Stage Construction & Traffic Handling Plans		4		1		8	8		4				25	
	Evaluate/Prepare response to Comments		2		1		4							7	
	Prepare Final Stage Construction & Traffic Handling Plans		1		2		4	4	6	2				20	
	Subtotals	1	30		11		66	102	88	98		8		404	
Totals By Classifications		6	58	5	19	14	142	144	112	126	32	8		1,770	
Total Direct Labor		\$ 1,380.00	\$ 10,840.00	\$ 1,150.00	\$ 3,810.00	\$ 2,484.00	\$ 23,004.00	\$ 20,448.00	\$ 13,888.00	\$ 17,514.00	\$ 8,640.00	\$ 520.00		\$ 103,258.00	

5/10/2017

**City of Oakley
Laurel Road Widening Project
(Mellowood Drive to Main Street)**

TASK	SCOPE DESCRIPTION	STAFF CATEGORY											EST FEE	
		PIC (Natalina Bernardi)	PM (Marcelo Cosentino)	Principal (Davis Thresh)	QA/QC (Carmelo Cecilio)	Engineer IV/ Survey IV	Engineer III/ Survey III	Engineer II/ Survey II	Engineer I/ Survey I	Drafter III	Field Crew	Admin		Total Hrs
		\$230.00	\$190.00	\$230.00	\$190.00	\$176.00	\$162.00	\$142.00	\$124.00	\$139.00	\$270.00	\$65.00		
Subconsultant														
		Task 1	Task 2	Task 3	Task 4									
	Gates + Associates (Landscaping)				\$ 24,200.00									\$ 24,200.00
	AEC Engineers (Lighting/Electrical)				\$ 13,772.00									\$ 13,772.00
	Parikh Consultants (Geotechnical)		\$ 12,860.76											\$ 12,860.76
	Utility Potholing (Allowance)		\$ 10,000.00											\$ 10,000.00
	Aerial Topo		\$ 3,190.00											\$ 3,190.00
	Subconsultant Costs													\$ 64,022.76
Reimbursable														
	Printing, Deliver, Mileage, Postage, Parking													\$ 1,964.24
	Reimbursable													\$ 1,964.24
PROJECT TOTAL														\$ 169,245.00

- Assumptions:
1. Environmental services and project environmental clearance will be provided by the City.
 2. Survey scope of services does not include survey staking.
 3. Record boundary will be from record information only.

19.7%

RESOLUTION NO. ____-17

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF OAKLEY APPROVING AN AGREEMENT WITH BKF ENGINEERS, INC. FOR ENGINEERING DESIGN SERVICES ASSOCIATED WITH LAUREL ROAD RECONSTRUCTION (MELLOWOOD DRIVE TO MAIN STREET) PROJECT NUMBER 208 AND AUTHORIZING THE CITY MANAGER TO EXECUTE THE AGREEMENT

WHEREAS, as part of the Fiscal Year 2017/18 Budget, the City of Oakley approved a 5-Year Capital improvement Program (CIP); and

WHEREAS, Project Number 208 is to design the improvements for the Laurel Road Reconstruction Project (Mellowood Drive to Main Street); and

WHEREAS, after a formal review and evaluation of the proposals from four (4) design consultants, BKF Engineers, Inc., was selected as the top qualified firm to perform this design service; and

WHEREAS, BKF Engineers, Inc., has submitted a proposal to prepare design services for CIP Project Number 208 for an amount not to exceed \$169,245; and

WHEREAS, The FY 2017/18 CIP budget includes \$175,000 for the design of this project; 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 208 for an amount not to exceed \$169,245, 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 11th of July, 2017 by the following vote:

AYES:
NOES:
ABSENT:
ABSTENTIONS:

APPROVED:

ATTEST:

Sue Higgins, Mayor

Libby Vreonis, City Clerk

Date