

REQUEST for PROPOSAL

ENGINEERING SERVICES AND LAND DEVELOPMENT (2022-RFP-169)



for:

CITY OF PALM DESERT

Attn: Richard Trupiano, Buyer
73510 Fred Waring Drive
Palm Desert, CA 92260



March 30, 2023
2:00 p.m.

Prepared by:



2305 Chicago Avenue
Riverside, California 92507
(951) 680-0440

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Prepared for:

City of Palm Desert

73510 Fred Waring Drive
Palm Desert, CA 92260

Contact: Richard Trupiano | Buyer

Phone: (760) 776-6327

Email: rtrupiano@cityofpalmdesert.org

Prepared by:

TKE Engineering, Inc.

73710 Fred Waring Drive, Suite 102
Palm Desert, CA 92260

Contact: Terry Renner, P.E., L.S., Q.S.D.
Senior Vice President

Phone: (760) 895-1949

E-mail: trenner@tkeengineering.com



March 30, 2023

Richard Trupiano
Buyer
City of Palm Desert
73510 Fred Waring Drive
Palm Desert, CA 92260

Subject: 2022-RFP-169 – Engineering Services and Land Development

Dear Mr. Trupiano,

Thank you for the opportunity to present our proposal as a response to the 2022-RFP-169 for Engineering Services and Land Development. Our proposal enclosed herein, outlines TKE Engineering, Inc's (TKE) qualifications to provide the requested services to the City of Palm Desert (City). TKE is a full service, multi-disciplinary consulting firm highly qualified to perform any and all City services required to successfully complete the City's development and CIP projects. We are enthusiastic about the opportunity to assist the City and aware of the City's needs for immediate assistance. As such we have already cleared our proposed staff's workload to begin work for the City at a moment's notice. Founded in 2000, TKE is a California Corporation with a local office immediately adjacent to Palm Desert City Hall at 73710 Fred Waring Drive, Suite 102.

Why should the City choose TKE to provide consulting engineering services and land development support? Please consider the following:

1. Coachella Valley Experience – TKE has been working for various municipalities and/or District's in the Coachella Valley since 2001. Throughout the past 22 years, TKE has developed an extensive understanding of the requirements, agencies and events which are exclusive to the Coachella Valley. Our current experience with CV-Sync has allowed our proposed staff to further expand our knowledge of the traffic patterns and critical traffic issues within the Coachella Valley and Palm Desert in particular. Numerous members of TKE's staff are also PM-10 Certified.

2. Team Leadership – The City will benefit greatly by continuing the vision, leadership, and dedication to community exhibited by TKE's project team. TKE's numerous accomplishments and management skills will help maintain continuity in the delivery of the services. In particular, Terry Renner, TKE's Senior Vice President and Project Manager will be the client's representative, and primary contact. Mr. Renner is a registered civil engineer and licensed land surveyor, and his experience extends from project planning to design and bidding through construction. His excellent communication and management skills will provide a great benefit to the City. In particular, his experience with "cutting edge" creative engineering techniques focused on cost control, will ensure that projects provide the maximum value for the public's investment. Some of Mr. Renner's key strengths are communication, organization and issues resolution. His effective communication skills ensure that all stakeholders are constantly advised of project progress. He implements a proactive organizational program to effectively manage the Team's schedule, documents action items with required follow-up and conducts continuous budget and schedule reviews to anticipate needs for future action items. Lastly, Mr. Renner's 'can do' approach to all project issues always results in resolution. His perseverance and vast knowledge and experience of issues will resolve challenges while protecting City interests. The City will find that Mr. Renner's and TKE team approach provides the best working partnership to meet the City's engineering needs.

Supporting Mr. Renner will be TKE's key personnel, including City Engineer, Brian Wolfe P.E.; Traffic Engineer, Justin Schlaefli P.E., T.E., P.T.O.E.; City Surveyor, Ron Musser L.S.; Construction and Project Manager, Terry Renner P.E., L.S., Q.S.D.; and Senior Land Development Engineer, Steve Nix P.E., L.S. We have included Earth Systems Pacific (Earth Systems) on our team as a subconsultant to provide Geotechnical Engineering support. All other services will be performed by TKE staff in-house. TKE's team includes the principals of the firm. As such, they will remain in-place throughout the term of the contract. There will not be any changes in personnel during the contract duration without prior approval by the City.



3. Qualifications and Experience – TKE is a firm capable of managing and delivering municipal consulting engineering services. We specialize in City Engineering and Land Development Services including project management, pre project planning, permitting, design and construction administration of public works and development projects. A brief list of on-call municipal clients, together with projects that TKE has successfully completed is presented in our proposal. The City will benefit from our broad range of experience through our intimate understanding of the common pitfalls for each project variation, and development processing challenges, and our past history of successfully overcoming these challenges.

In addition, TKE's experience includes a comprehensive understanding of the Standard Specifications for Public Works Construction (Green Book), project scheduling programs (including critical path methodology relating to interagency and interdepartmental coordination), and Caltrans Local Assistance project processing. Finally, TKE's extensive funding administration experience will also greatly benefit the City.

4. Our Commitment – TKE is committed to providing high quality, efficient services to meet all of the City's needs. As the City Engineer, Brian Wolfe will establish set office hours at the City and will meet with other staff regularly to discuss requirements and scheduling needs. He will also be in contact with project stakeholders as often as required to keep projects proceeding efficiently, on schedule and within allocated budgets. It is this personal touch and contact that define our 'local service' approach. We consider ourselves community builders and take ownership of services requested from TKE, ensuring that our personnel will be allocated on an as-needed basis in order to successfully complete all projects.

Our broad array of services and in-house team provide the City a trusted consultant to turn to in any challenge, no matter how simple or complex. We pride ourselves in the management and completion of special, atypical projects and thrive on challenging budgets and deadlines. It is this commitment to service and diverse array of offerings that makes us unique and drives our long-standing relationships with our client base, and it is these qualities that make us 'the right fit' for the City.

5. Our Value – TKE's management team and staff are fundamentally committed to creating value in each task that we perform. As such, we have created a professional culture wherein each member of our staff constantly strives for increased efficiency, ultimately allowing us to provide highly professional services at competitive rates. This culture of constant value creation and increased efficiencies, ensures that the services contracted to, and provided by TKE, will always mean good stewardship of resources.

Thank you for your consideration. TKE acknowledges and accepts all of the general terms and conditions presented in the RFP without any exception. TKE has read and understands the RFP in its entirety, including, without limitation, the scope and nature of the work, as well as the associated attachments and addenda. TKE would very much appreciate the opportunity to interview with the City and introduce our team in person to City staff. Terry Renner is authorized to negotiate and execute an Agreement with the City on behalf of TKE. If you have any questions, please call Terry Renner at our office at (760) 895-1949, by cell at (909) 240-6285 or email him at trenner@tkeengineering.com.

Sincerely,



Terry Renner, PE, L.S., QSD
Senior Vice President
TKE Engineering, Inc.



Steven W. Ledbetter, PE
Vice President
TKE Engineering, Inc.

TKE Engineering, Inc. | AT A GLANCE

**City/District Engineer**

City Engineer in 5 Cities/Districts

**Traffic Engineering**

Traffic Engineer in 6 Cities/Districts.

**On-Call Plan Checking/
Inspection Contracts**

TKE currently provides Plan Checking and Inspection for more than 20 Cities/Counties/Districts throughout Southern California

**Size of Organization**

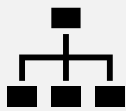
43 Professional Engineers, Traffic Engineers, Surveyors, Plan Checkers, Inspectors, Project/Construction Managers, and Support Staff

**Location of Office**

TKE Engineering, Inc.
73710 Fred Waring Drive, Suite 102
Palm Desert, CA 92260

**Years in Business**

TKE has conducted business for the past 23 years and has 23 years of experience in providing municipal services for public clients only.

**Firm Owners**

Michael P. Thornton, P.E., P.L.S., M.S. – President
Terry Renner, P.E., L.S., Q.S.D. – Senior Vice President
Steven W. Ledbetter, P.E. Vice President

**City of Palm Desert Point
of Contact**

Terry Renner, P.E., L.S., Q.S.D.
Senior Vice President
2305 Chicago Avenue
Riverside, CA 92507
Phone: (951) 680-0440
Email: trenner@tkeengineering.com

**SECTION B | EXPERIENCE AND
TECHNICAL COMPETENCE****1 . BACKGROUND**

TKE Engineering, Inc. (TKE), a California Corporation, was established in June 2000, and in the last 23 years has developed into one of Southern California's premier full-service consulting municipal engineering firms. TKE provides services to municipal clients only and therefore will never have any conflicts of interest related to private development projects. TKE was established with the goal of providing turnkey services for municipal agencies in order to benefit our community. As a result of the focus of a firm on this mission, TKE has earned a reputation for thoroughness, rapid turnaround, cost efficiency and, overall quality of work. We are a highly motivated, dynamic firm with the goal of being your preferred consultant for all City services.



From 2015 to 2020, TKE provided on-call plan checking services to the City of Palm Desert for several small and large tract developments, single family residential units and commercial retail centers within the City. The TKE Team desires to continue building upon our relationship with the City by demonstrating our capabilities and capacities to deliver your anticipated projects within budget and on schedule. Our history of providing services for the City's land development projects has prepared us to implement an enhanced approach to maintaining continuity and communication with heightened standards for this contract.

TKE provides turnkey municipal engineering for developer and capital improvement projects to numerous municipalities throughout Riverside, San Bernardino, Los Angeles, and Orange Counties. The municipal services provided by our firm include City Engineering Design, Plan and Map Checking, Traffic Engineering, Surveying, Project Management, Construction Management, and Construction Inspection services, as well as Quality Assurance/Quality Control. Our broad range of services provides our team with an intimate knowledge and experience of the common

pitfalls for each project variation and our team will ensure CIP and developer projects do not fall into the same situations.

COMMON GOALS:

The TKE Team will work collaboratively and strategically to support the City's mission toward ensuring a viable financial plan for its residents is achieved with measurable results.

TKE's headquarters is located in a business owned 7,000 square foot office building at 2305 Chicago Avenue in Riverside located approximately 50 minutes from the City. TKE also has an office in Palm Desert at 73710 Fred Waring Drive, Suite 102, allowing us to mobilize and respond to the City's needs promptly. TKE currently maintains a staff of 43 city engineers, plan and map checkers, project managers, engineers, traffic engineers, surveyors, drafters, construction managers, inspectors, and clerical personnel. TKE's Senior Vice President and proposed CIP Project Manager, Terry Renner, will notify the City if and when any person assigned to the City may need to change.

TKE routinely assists cities with planning, design and implementation of their capital improvement and development services programs. The City's CIP projects include PD Link, CV Link Hovley Connector, Haystack Channel repairs, Haystack Road traffic calming, Walk n Roll PD, street rehabilitation program for arterial highways, collectors, and residential streets; intersection and traffic signal improvements; miscellaneous sidewalk and concrete replacements for Americans with Disabilities Act (ADA) improvements; installation of BMPs and NPDES improvements; installation of traffic signals; construction of park improvements; installation of landscaping and irrigation improvements; bridge maintenance and repairs, and rehabilitation of City-owned facilities.

TKE has provided numerous municipalities and agencies throughout Southern California with consulting engineering, development services review, design, surveying, plan checking, inspection, construction management and grant management services for every facet of Public Works. TKE proudly serves municipal agencies the following services on a routine basis:

CITY ENGINEERING

TKE's Consulting City Engineering services include, but are not limited to:

- △ Staff Engineering Assistance including Technical Assistance
- △ Regulatory (local, state, and federal) Compliance Verification
- △ City Interests Protection
- △ Manage the Public and Private Developers related Engineering Functions
- △ Attend, as Requested, Council, Commission, and Committee Meetings
- △ Manage Other Contract Engineering Services
- △ Maintain Accurate Engineering Records and Maps for Staff and Public Access
- △ Prepare Engineering Reports, Studies, and Evaluations as needed
- △ Perform Other Engineering Functions as Required
- △ Manage Project Financing
- △ Verify Compliance with City Engineering Ordinances, Specifications, and Requirements
- △ Provide Engineering Investigation Services for Public Complaints and Conditions
- △ Assist City Clerk with Engineering Records Management and Respond to Public Records Requests
- △ Assist with Capital Improvement Program Development
- △ Coordinate Public Meetings related to Engineering Matters
- △ Prepare Requests for Proposals and Manage Consultant Selection Process
- △ Verify National Pollution Discharge Elimination System (NPDES) and PM-10 Compliance
- △ Provide Office Hours at the City for Counter Services (e.g. permitting) and Inter-Department Coordination

DEVELOPMENT SERVICES

As discussed previously, TKE has extensive experience with Public side development services processing. TKE will provide:

- △ Project screen checks
- △ Respond to development inquiries
- △ Accept project submittals
- △ Review submittals for completeness
- △ Perform administrative reviews
- △ Determine project impacts
- △ Determine project impact fees
- △ Develop project conditions of approval
- △ Assist planning in preparation for Planning Commission consideration
- △ Review environmental documents
- △ Prepare Council agenda reports
- △ Review plan and maps for regulatory compliance
- △ Issue permits
- △ Collect impact fees and plan check deposits
- △ Review cost estimates for required bonding
- △ Prepare development agreements
- △ Oversee inspection of construction
- △ Review grading certifications
- △ Review as-built plans
- △ Assist with other development related issues

TRAFFIC ENGINEERING SERVICES

TKE proudly serves the following services related to traffic engineering projects:

TRANSPORTATION ENGINEERING

- △ Planning Studies
- △ Review Traffic Impact Studies
- △ Grant Funding Applications
- △ Signing and Striping Plan Review and Preparation
- △ Development Review including Drainage Studies and WQMP
- △ Prepare Project Conditions of Approval
- △ Other Services as Requested
- △ Traffic Control Plan Review and Preparation

ROADWAY/HIGHWAY ENGINEERING

- △ Roundabout Design
- △ Drainage Analysis and Hydrology Reports
- △ Environmental Studies and Reports

- △ Quantity and Cost Estimates
- △ Roadway/Highway Engineering Plans and Specifications
- △ Erosion Control and WQMP Plans
- △ Right-of-Way Maps and Documents
- △ Agreements
- △ Land surveys
- △ Public Outreach
- △ Other Services as Requested

TRAFFIC ENGINEERING

- △ Traffic Engineering Design
- △ Sign and Striping Plan Design
- △ Traffic Control
- △ Other Services as Requested
- △ Warrant Analysis

PLAN CHECKING

TKE has provided numerous municipalities and agencies throughout Southern California with consulting services and staffing for every facet of Public Works including the City for the past 23 years. In addition, we have worked on multi-million dollar regional mega projects for a variety of government agencies. TKE recognizes the importance of staffing based on a client's need and workload. Our flexible support and qualified staff enables our clients to serve their community in a cost effective and efficient manner.

TKE provides experienced, highly qualified staff with significant technical expertise and strong public relations skills for plan checking. TKE is fully capable of providing staff on a full-time, part-time, on-call or interim basis plan checker. Please refer to our project team presented below together with our corporate resumes to verify our team's technical ability to deliver these services.

TKE has provides similar services to those requested here for a number of different agencies. TKE understands that City's development and capital improvement standards were developed to meet the needs of that particular community. TKE has developed a thorough understanding of these standards together with the needs of the community. For each project that TKE is assigned, TKE will verify compliance with City standards. Furthermore, with our extensive experience, TKE will be able to recommend improvements to these standards to

ensure expedited project delivery and enhanced public infrastructure.

GRANT WRITING / FUNDS MANAGEMENT

TKE's Grant Writing/Funds Management team enables our municipal and agency partners of any size to find potential funding sources and to prepare competitive funding applications. Additionally, after funds are awarded to a partner, TKE ensures compliance with state and federal funding requirements. In the past few years, TKE has obtained millions of dollars in funding for our public works projects and transportation improvements.

Our grant writing services are enhanced by integration with engineering services to facilitate and integrate project design. This expedites project start up and completion and ensures compliance with funding requirements. TKE has assisted clients secure funding from the following programs:

- △ SRTS and SR2S (Safe Routes to Schools)
- △ Federal Transportation Funding thru Caltrans Local Assistance
- △ State Proposition 1E and 84 Flood Management Funding
- △ Community Development Block Grant (CDBG) Funding
- △ Active Transportation Program (ATP) Funding
- △ Highway Safety Improvements Program (HSIP) Funding
- △ State Water Resources Control Board – State Revolving Fund Program
- △ Department of Water Resources – Proposition 40 Grant Program
- △ Department of Water Resources – Infrastructure Rehabilitation Grant

PROJECT/PROGRAM MANAGEMENT

TKE has managed publicly funded design projects throughout our history. The breadth of experience and technical skill of our staff enable us to manage a wide variety of projects, ranging from major infrastructure to the restoration and rehabilitation of significant historical structures. We ensure that all work is completed in accordance with funding contract specifications, terms, conditions, state and federal laws and regulations, and client policy.

Our management portfolio includes:

- △ Pavement Rehabilitation Projects
- △ Street Widening Projects
- △ Traffic Signal and Striping Projects
- △ Facilities
- △ Utilities
- △ Signing and Striping
- △ Major Infrastructure Projects
- △ Reconstruction and Rehabilitation

CIVIL ENGINEERING

TKE regularly provides design services on a wide variety of public works improvement projects. TKE's Civil Engineering projects have included:

- △ Pavement Rehabilitation
- △ Pavement Management Systems
- △ Local Streets and Road Design
- △ Street Widening
- △ Storm Drainage Infrastructure Planning and Design
- △ Retention / Detention Basins
- △ Parking Lots
- △ Storm Drain and Channels
- △ Floodplain Analysis and Mapping
- △ Traffic Signal Design
- △ Traffic Studies and Warrant Analysis
- △ Traffic Impact Studies
- △ Parks
- △ Public Facilities
- △ Grading Studies, Design and Earthwork Analysis
- △ Capital Improvement Programs (CIPs)
- △ Neighborhood Improvement Preservation
- △ Hydrologic Studies / Hydraulic Design
- △ Storm Water Pollution Prevention Plans (SWPPP)
- △ Sediment and Erosion Control Facilities
- △ Hydromodification Studies / Water Quality Management Plans (WQMPs)

SURVEYING, MAPPING, AND RIGHT-OF-WAY ENGINEERING

TKE provides Land Analysis services for many projects: Our Surveying and Mapping experts provide these services:



- △ Transportation Improvements
- △ Land and Real Estate Evaluations
- △ Grade Separations
- △ Street Widening
- △ Construction Layout/Staking
- △ Right-Of-Way Engineering
- △ Boundary Surveys
- △ Construction Surveys
- △ Design Surveys
- △ Legal Description Surveys
- △ Aerial Mapping
- △ A.L.T.A. Surveys
- △ Topographic Surveys
- △ Control Surveys
- △ Easement Surveys

INSPECTION

TKE provides experienced, highly qualified staff with significant technical expertise and strong public relations skills for inspection services. All of TKE's inspectors have a background within design and construction, enabling TKE to provide well rounded inspectors capable of understanding the requirements to construct a project and who are capable of identifying potential change orders and design deficiencies before they occur. TKE is fully capable of providing staff on a full-time, part-time, on-call or interim project basis. Please refer to our project team, together with our corporate resumes to verify our team's technical ability to deliver these services.

TKE has provided similar services to those requested here for a number of different agencies. TKE understands that each jurisdiction has its own development and capital improvement standards that were developed to meet the needs of that particular community. TKE has a thorough understanding of these standards together with the needs of the community needs. For each project that TKE is assigned, TKE will verify compliance with all applicable standards. Furthermore, with our extensive experience in other jurisdictions, TKE will be able to recommend improvements to these standards to ensure expedited project delivery and enhanced public infrastructure. Our inspection portfolio includes:

- △ Daily review and documentation of construction activities (daily reports and digital photo of significant issues and milestones)

- △ Monitor Contractor's daily labor force for compliance with state & federal labor laws.
- △ Field verification of traffic control procedures and consistency with approved Traffic Control Plan
- △ Coordinate with agencies and different stakeholders to ensure smooth progress of construction activities
- △ Monitor project schedule
- △ Verify quantities and assuring quality control
- △ Field observations of construction activities
- △ Maintain complete and accurate project records compliant with Caltrans manual
- △ Review and recommend approval/disapproval of monthly progress pay estimates
- △ Verify NPDES and SWPPP compliance
- △ Prepare weekly statement of working days
- △ Review RFI's, change orders and progress payments
- △ Coordinate punch list and as-built plans
- △ Ensure that materials and completed work comply with plans specifications and design criteria
- △ Implement security procedures
- △ Issue notices for safety concerns and violations
- △ Coordinate with survey, material testing and other construction consultants
- △ Review and ensure compliance with control documents, submittals, RFI's, change orders, and work change directives
- △ Compliance with Caltrans encroachment permit requirements, if required
- △ Preparation of punch list
- △ Coordinate project closeouts activities which include staff report, Notice of Completion, release of retention, warranty walk, and archiving documents.

CONSTRUCTION MANAGEMENT

TKE has managed publicly funded construction projects throughout our history. The breadth of experience and technical skill of our staff enable us to manage a wide variety of projects, ranging from

major infrastructure to the restoration and rehabilitation of significant historical structures. TKE has routinely performed administration of the contract (general contract administration and oversight of project), provided Resident Engineering services pursuant to Caltrans/Federal requirements, constructability reviews on project documents, managed preconstruction and weekly progress meetings, coordinated with contractors, including multiple contractors simultaneously, coordinated with design engineers for design changes and corrections, coordinated with the project inspector, reviewed and responded to RFI's, reviewed weekly statement of working days, reviewed quantities for monthly progress payments, reviewed extra work tickets and assessed them for justification within the contract requirements, process control documents, submittals, change orders, and work change directives, prepared and performed contract change orders and negotiations, coordinated with residents and businesses throughout construction process, performed public outreach, represented City's with other agencies at numerous meetings, represented engineering with the City's council and other public meetings, managed engineering budgets and project schedules, documented environmental compliance, prepared and acquired right-of-way, coordinated utility relocations, acquired and managed permits from numerous agencies, including Caltrans, South Coast AQMD, BNSF, UP, Riverside County Flood Control & Water Conservation District, U.S Army Corps of Engineers, California Department of Fish and Wildlife, Regional Water Quality Control Board and many others, managed numerous funding programs through Caltrans Local Assistance and various other State and Federal funding agencies.

TKE has extensive experience with providing construction management services on all types of public works projects. We are extremely familiar with the Greenbook, requirements of plans and specifications, and California public contract code in relation to construction projects and various related work. We ensure that all work is completed in accordance with funding contract specifications, terms, conditions, state and federal laws and regulations, and client policy. Our construction management portfolio includes:

- △ Street Widening Projects
- △ Sidewalk Repair and ADA Compliance Projects

- △ Conventional and Rubberized Pavement Rehabilitation Projects
- △ Conventional and Rubberized Pavement Coating Project
- △ PCC Paving Projects
- △ Traffic Signal and Striping Projects
- △ Signing and Striping
- △ Bus Transfer Stations
- △ Parking Lot Projects
- △ Parks and Other Public Facilities
- △ Grading and Retaining Walls
- △ Storm Drains and Channels
- △ Retention and Detention Basins
- △ Site Improvement Projects
- △ Major Infrastructure Projects
- △ Reconstruction and Rehabilitation

TKE's construction management services are enhanced by integration with our knowledge and background of civil engineering, traffic engineering and surveying to facilitate and ensure all construction projects managed by TKE will operate safely and efficiently.

COMMUNITY OUTREACH / PUBLIC RELATIONS

Depending on the City's needs, TKE's strategies are designed to reach, inform and involve constituents and stakeholders of planning proposals, projects and programs. If requested, we can provide opportunities for interested parties to comments, enabling actionable analysis of feedback received. TKE's outreach methods result in building greater consensus and public buy-in. Services include the design, planning and execution of:

- △ Marketing campaigns
- △ Public information meetings/Groundbreaking ceremonies
- △ Project branding
- △ Project website design and construction
- △ Bilingual project collateral materials (brochures, presentation boards, etc.)
- △ Graphic design

GOAL ACCOMPLISHMENT

The TKE Team is eager and prepared for an opportunity to support the City of Palm Desert in accomplishing its goals developed for their CIP, New Strategic Plan and General Plan and to establish the framework for making informed decisions regarding the community's future success. Our team specializes in developing processes and procedures based on professional expertise and lessons learned, which we implement on all of our projects to ensure successful delivery on schedule and within budget.



City of Palm Desert | General Plan

For all projects, either development or capital improvement, the most important aspect of management will be to ensure that the City's interest is protected to the maximum extent possible. TKE will ensure that public funds and impact fees are used for the benefit of the community.

For development projects, project requirements, impact mitigation, protecting City interests, project schedule compliance and budget tracking will be important. Project requirements will be assessed and presented to the City's management staff. Upon receipt of direction from City administration, TKE will be responsible to verify that development is completed in compliance with those project requirements. TKE's effective project management techniques will ensure that compliance will occur.

For developers, time is money. For the City, development assists the City's economic engine. Therefore, maintaining the project schedule will be an important task. Further, maintaining excellent communication will prevent any project processing misunderstandings leading

to project delays. TKE management techniques will result in efficient project delivery.



The following pages contain relevant project examples showing where TKE has provided On-Call and project specific services incorporating a combination of services available from the full spectrum scope of services we offer, including:

- △ City Engineer Services
- △ Traffic Engineering Services
- △ Plan/Map Checking Services
- △ Construction Inspections and/or Special Inspections
- △ Public Works Municipal Engineering

2 . REFERENCES

CITY ENGINEER

CALIMESA CITY ENGINEERING SERVICES

City of Calimesa, CA



Client Contact: Mr. Will Kolbow | City Manager
Phone Number: (909) 795-9801
Email: wkolbow@cityofcalimesa.net
Project Cost: \$150 Million+ to date
Completion Date: 2013-Present

RELEVANCE TO PALM DESERT

- *City Engineer Services*
- *Land Development Services*
- *Grant Funding Preparation & Management*
- *CIP Development & Management Services*
- *Permit Assistance*

DESCRIPTION

TKE provides on-call civil engineering services to the City, including City Engineer. TKE managed more than \$150 million in public improvements. While providing these services to the City, TKE represented the City with other agencies at numerous meetings, represented engineering with the City's council and other public meetings, managed engineering budgets and project schedules, retained other consultants to prepare improvement design projects, managed funding programs, and various related work. In addition, TKE managed major infrastructure development projects.

SERVICES

Services included council report preparation, design, review and preparation of hydrology and hydraulic studies, project planning, review traffic impact studies, prepare grant funding applications, report preparation, surveying, project scoping, environmental compliance services, utility coordination, right-of-way acquisition documents, provided project management, performed construction management, inspection and negotiation with property owners.

KEY STAFF

Michael P. Thornton, P.E., L.S., Terry Renner, P.E., L.S., Q.S.D., Ron Musser, L.S., Justin Schlaefli, P.E., T.E., P.T.O.E., Brian Wolfe, P.E., Steve Nix, P.E., P.L.S., Steven Ledbetter, P.E., Octavio Parada

HESPERIA CITY ENGINEERING SERVICES

City of Hesperia, CA



Client Contact: Mr. Nils Bentsen | City Manager
Phone Number: (760) 947-1025
Email: nbentsen@cityofhesperia.us
Project Cost: \$100 Million+ to date
Completion Date: 2016-Present

RELEVANCE TO PALM DESERT

- *City Engineer Services*
- *Land Development Services*
- *Grant Funding Preparation & Management*
- *CIP Development & Management Services*
- *Permit Assistance*

DESCRIPTION

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KEY STAFF

Michael P. Thornton, P.E., L.S., Terry Renner, P.E., L.S., Q.S.D., Justin Schlaefli, P.E., T.E., P.T.O.E., Ron Musser, L.S., Brian Wolfe, P.E., Steve Nix, P.E., P.L.S., Steven Ledbetter, P.E., Octavio Parada

CITY ENGINEER (CONT.)**NEEDLES CITY ENGINEERING SERVICES***City of Needles, CA*

Client Contact: Mr. Patrick Martinez | Assistant City Manager

Phone Number: (760) 326-2115 ext. 126

Email: pmartinez@cityofneedles.com

Project Cost: \$40 Million+ to date

Completion Date: 2021-Present

RELEVANCE TO PALM DESERT

- *City Engineer Services*
- *Land Development Services*
- *Grant Funding Preparation & Management*
- *CIP Development & Management Services*
- *Permit Assistance*

DESCRIPTION

TKE provides on-call civil engineering services to the City, including City Engineer. TKE managed more than \$40 million in public improvements. While providing these services to the City, TKE represented the City with other agencies at numerous meetings, represented engineering with the City's council and other public meetings, managed engineering budgets and project schedules, retained other consultants to prepare improvement design projects, managed funding programs, and various related work. In addition, TKE managed major infrastructure development projects, including: street improvements, water and sewer pipeline and facility improvements, and parks.

SERVICES

Services included design, review and preparation of hydrology and hydraulic studies, project planning, review traffic impact studies, prepare grant funding applications, report preparation, surveying, project scoping, environmental compliance services, utility coordination, right-of-way acquisition documents, provided project management, design and engineering, performed construction management, inspection and negotiation with property owners.

KEY STAFF

Michael P. Thornton, P.E., L.S., Terry Renner, P.E., L.S., Q.S.D., Ron Musser, L.S., Steven Ledbetter, P.E., Brian Wolfe, P.E., Justin Schlaefli, P.E., T.E., P.T.O.E., Steve Nix, P.E., P.L.S., Octavio Parada

TRAFFIC ENGINEER**CALIMESA TRAFFIC ENGINEERING SERVICES***City of Calimesa, CA*

Client Contact: Mr. Will Kolbow | City Manager
Phone Number: (909) 795-9801
Email: wkolbow@cityofcalimesa.net
Project Cost: N/A
Completion Date: 2013-Present

RELEVANCE TO PALM DESERT

- *Traffic Engineering Services for Developer and CIP Projects*
- *Traffic Engineering Design*
- *Traffic Control Device Review and Design*
- *Citizen Request Analysis*

DESCRIPTION

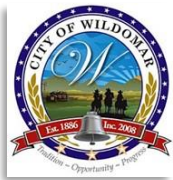
TKE provides on-call traffic engineering services to the City for developer and capital improvement project coordination, planning and implementation. While providing these services to the City, TKE represented the City with other agencies at numerous meetings, represented engineering with the City's council and other public meetings, managed engineering budgets and project schedules, retained other consultants to prepare improvement design projects, managed funding programs, and various related work. In addition, TKE managed major infrastructure development projects.

SERVICES

Services included traffic signal design, signing and striping design, traffic control plan preparation, preparation of complete bid documents, plan check of traffic signal plans, signing and striping plans, and traffic control plans, land development review of site plans and access management, review and comment of traffic impact analyses, traffic engineering project coordination with capital improvement projects, review of citizen requests for traffic control to include traffic count analysis and collision data, recommendation of traffic control devices, prepare speed zone surveys and certification process, school zone analysis and preparation of school zone signing and striping plans.

KEY STAFF

Justin Schlaefli, P.E., T.E., P.T.O.E., Michael P. Thornton, P.E., Terry Renner, P.E., L.S., Q.S.D., Monae Pugh

WILDOMAR TRAFFIC ENGINEERING SERVICES*City of Wildomar, CA*

Client Contact: Mr. Dan York | Assistant City Manager
Phone Number: (951) 677-7751 ext. 216
Email: dyork@cityofwildomar.org
Project Cost: N/A
Completion Date: 2014-Present

RELEVANCE TO PALM DESERT

- *Traffic Engineering Services for Developer and CIP Projects*
- *Traffic Engineering Design*
- *Traffic Control Device Review and Design*
- *Citizen Request Analysis*

DESCRIPTION

TKE provides on-call traffic engineering services to the City for developer and capital improvement project coordination, planning and implementation. TKE routinely performs City functions related to traffic, traffic signals, timing, warrant analysis, striping, signing, geometric analysis, traffic control and other traffic engineering related services. While providing these services to the City, TKE has represented the City with other agencies at numerous meetings, represented engineering with the City's council and other public meetings, managed engineering budgets and project schedules, retained other consultants to prepare improvement design projects, managed funding programs, and various related work. In addition, TKE managed major infrastructure development projects.

SERVICES

Services included traffic signal design, signing and striping design, traffic control plan preparation, preparation of complete bid documents, plan check of traffic signal plans, signing and striping plans, and traffic control plans, land development review of site plans and access management, review and comment of traffic impact analyses, traffic engineering project coordination with capital improvement projects, review of citizen requests for traffic control to include traffic count analysis and collision data, recommendation of traffic control devices, prepare speed zone surveys and certification process, school zone analysis and preparation of school zone signing and striping plans

KEY STAFF

Justin Schlaefli, P.E., T.E., P.T.O.E., Michael P. Thornton, P.E., L.S., Terry Renner, P.E., L.S., Q.S.D., Monae Pugh

TRAFFIC ENGINEER (CONT.)**RIALTO TRAFFIC ENGINEERING SERVICES***City of Rialto, CA*

Client Contact: Mr. Tim Sullivan | Director of Maintenance and Operations

Phone Number: (909) 421-7229

Email: tsullivan@rialto.ca.gov

Project Cost: N/A

Completion Date: 2019-Present

RELEVANCE TO PALM DESERT

- *Traffic Engineering Services for Developer and CIP Projects*
- *Traffic Engineering Design*
- *Traffic Control Device Review and Design*
- *Citizen Request Analysis*

DESCRIPTION

TKE provides on-call traffic engineering services to the City for developer and capital improvement project coordination, planning and implementation. TKE routinely performs City functions related to traffic, traffic signals, timing, warrant analysis, striping, signing, geometric analysis, traffic control and other traffic engineering related services. While providing these services to the City, TKE has represented the City with other agencies at numerous meetings, represented engineering with the City's council and other public meetings, managed engineering budgets and project schedules, retained other consultants to prepare improvement design projects, managed funding programs, and various related work. In addition, TKE managed major infrastructure development projects.

SERVICES

Services included traffic signal design, signing and striping design, traffic control plan preparation, preparation of complete bid documents, plan check of traffic signal plans, signing and striping plans, and traffic control plans, land development review of site plans and access management, review and comment of traffic impact analyses, traffic engineering project coordination with capital improvement projects, review of citizen requests for traffic control to include traffic count analysis and collision data, recommendation of traffic control devices, prepare speed zone surveys and certification process, school zone analysis and preparation of school zone signing and striping plans

KEY STAFF

Justin P. Schlaefli, P.E., T.E., P.T.O.E., Terry Renner, P.E., L.S., Q.S.D., Michael P. Thornton, P.E., Monae Pugh

PLAN / MAP CHECKING**CALIMESA ON-CALL PLAN CHECKING SERVICES***City of Calimesa*

Client Contact: Mr. Will Kolbow | City Manager
Phone Number: (909) 795-9801
Email: wkolbow@cityofcalimesa.net
Project Cost: N/A
Completion Date: 2013 - Present

RELEVANCE TO PALM DESERT

- *On-Call Development and CIP Plan Checking Contract*
- *Conditions of Approval Development*

DESCRIPTION

TKE provides on-call plan and map checking services to the City of Calimesa. TKE is providing plan checking services for several small and large tract developments, single family residential units and commercial retail centers within the City.

SERVICES

Services included development project screen checks, response to development community inquiries, accept submittals on behalf of agencies, determine project impacts, develop conditions of approval, present projects to planning commissions, prepare council agenda reports, perform plan and map checking for grading, street, storm drain, hydrology, hydraulics, landscaping, street lighting, traffic signal, SWPPP, erosion control, and WQMP plans as well as many other municipal development related services.

KEY STAFF

Michael P. Thornton, P.E., L.S., Terry Renner, P.E., L.S., Q.S.D., Ron Musser, L.S., Michelle Arellano, P.E., Justin Schlaefli, P.E., T.E., P.T.O.E., Steve Nix, P.E., L.S., Monae Pugh, Brian Wolfe, P.E.

HIGHLAND ON-CALL PLAN CHECKING SERVICES*City of Highland, CA*

Client Contact: Mr. Carlos Zamano | Director of Public Works/City Engineer
Phone Number: (909) 864-6861
Email: czamano@cityofhighland.org
Project Cost: N/A
Completion Date: 2013 - Present

RELEVANCE TO PALM DESERT

- *On-Call Development and CIP Plan Checking Contract*
- *Conditions of Approval Development*

DESCRIPTION

TKE provides on-call plan and map checking, civil engineering and inspection services to the City of Highland for Capital Improvement project coordination, planning and implementation. TKE is assisting the City Engineer with more than \$7 million in Capital Improvements Projects for the current fiscal year. TKE simultaneously prepared numerous grant applications, performed plan checking on CIP, represented the City with other agencies at various meetings, represented Engineering with the City's council and other public meetings, managed engineering budgets and project schedules, prepared and acquired right-of-way, managed funding programs, provided construction management and inspection services, as well as public relations and various related work.

SERVICES

Services included development project screen checks, response to development community inquiries, accept submittals on behalf of agencies, determine project impacts, develop conditions of approval, present projects to planning commissions, prepare council agenda reports, perform plan and map checking for grading, street, storm drain, hydrology, hydraulics, landscaping, street lighting, traffic signal, SWPPP, erosion control, and WQMP plans as well as many other municipal development related services.

KEY STAFF

Terry Renner, P.E., L.S., Q.S.D., Michael P. Thornton, P.E., L.S., Ron Musser, L.S., Justin Schlaefli, P.E., T.E., P.T.O.E., Steve Nix, P.E., L.S., Michelle Arellano, P.E., Monae Pugh, Brian Wolfe, P.E.

PLAN/MAP CHECKING (CONT.)**HESPERIA ON-CALL PLAN CHECKING SERVICES***City of Hesperia*

Client Contact: Mr. Nils Bentsen | City Manager
Phone Number: (760) 947-1025
Email: nbentsen@cityofhesperia.us
Project Cost: N/A
Completion Date: 2016-Present

RELEVANCE TO PALM DESERT

- *On-Call Development and CIP Plan Checking Contract*
- *Conditions of Approval Development*

DESCRIPTION

TKE provides on-call plan and map checking services to the City. TKE is providing plan checking services for several small and large tract developments, single family residential units and commercial retail centers within the City. In addition, TKE is performing plan check on several capital improvement projects within the City.

SERVICES

Services included development project screen checks, response to development community inquiries, accept submittals on behalf of agencies, determine project impacts, develop conditions of approval, present projects to planning commissions, prepare council agenda reports, perform plan and map checking for grading, street, storm drain, hydrology, hydraulics, landscaping, street lighting, traffic signal, SWPPP, erosion control, and WQMP plans as well as many other municipal development related services.

KEY STAFF

Michael P. Thornton, P.E., L.S., Terry Renner, P.E., L.S., Q.S.D., Ron Musser, L.S., Michelle Arellano, P.E., Steve Nix, P.E., L.S., Justin Schlaefli, P.E., T.E., P.T.O.E., Monae Pugh, Brian Wolfe, P.E.

INSPECTION**HIGHLAND ON-CALL INSPECTION SERVICES***City of Highland, CA*

Client Contact: Mr. Carlos Zamano | Director of Public Works/City Engineer
Phone Number: (909) 864-6861
Email: czamano@cityofhighland.org
Project Cost: N/A
Completion Date: 2017-Present

RELEVANCE TO PALM DESERT

- *On-Call Inspection Services*
- *Utility Coordination*
- *Land Development Inspection*
- *CIP Inspection*

DESCRIPTION

TKE provides on-call inspection services to the City for development, permits and capital improvement projects. TKE is providing inspection services for multiple capital improvement projects, several small and large tract developments, single family residential units and commercial retail centers within the City as well as utility encroachment permit operations.

SERVICES

Services included project management, utility coordination, professional services coordination, daily inspection and documentation, photo log preparation, punch list preparation, project close out and record drawings.

KEY STAFF

Michael P. Thornton, P.E., L.S., Terry Renner, P.E., Q.S.D., Brad Enscoe, Patrick Palafox, Stephen Biscotti, Jeff Lantosh, CPII, Nelson Blackwell, CPII

CALIMESA ON-CALL INSPECTION SERVICES*City of Calimesa, CA*

Client Contact: Mr. Will Kolbow | City Manager
Phone Number: (909) 795-9801
Email: wkolbow@cityofcalimesa.net
Project Cost: N/A
Completion Date: 2013-Present

RELEVANCE TO PALM DESERT

- *On-Call Inspection Services*
- *Utility Coordination*
- *Land Development Inspection*
- *CIP Inspection*

DESCRIPTION

TKE provides on-call inspection services to the City for development and capital improvement projects. TKE is providing inspection services for multiple capital improvement projects, several small and large tract developments, single family residential units and commercial retail centers within the City as well as utility encroachment permit operations.

SERVICES

Services included project management, utility coordination, professional services coordination, daily inspection and documentation, photo log preparation, punch list preparation, project close out and record drawings.

KEY STAFF

Michael P. Thornton, P.E., L.S., Terry Renner, P.E., Q.S.D., Brad Enscoe, Patrick Palafox, Stephen Biscotti, Jeff Lantosh, CPII, Brian McDuffie

INSPECTION (CONT.)**HESPERIA ON-CALL INSPECTION SERVICES***City of Hesperia, CA*

Client Contact: Mr. Nils Bentsen | City Manager
Phone Number: (760) 947-1025
Email: nbentsen@cityofhesperia.us
Project Cost: N/A
Completion Date: 2016-Present

RELEVANCE TO PALM DESERT

- *On-Call Inspection Services*
- *Utility Coordination*
- *Land Development Inspection*
- *CIP Inspection*

DESCRIPTION

TKE provides on-call inspection services to the City for development, permits and capital improvement projects. TKE is providing inspection services for multiple capital improvement projects, several small and large tract developments, single family residential units and commercial retail centers within the City as well as utility encroachment permit operations.

SERVICES

Services included project management, utility coordination, professional services coordination, daily inspection and documentation, photo log preparation, punch list preparation, project close out and record drawings.

KEY STAFF

Michael P. Thornton, P.E., L.S., Terry Renner, P.E., Q.S.D., Brad Enscoe, Stephen Biscotti, Nelson Blackwell, CPII, Tyler Ault, Patrick Palafox, Jeff Lantosh, CPII

PUBLIC WORKS MUNICIPAL ENGINEERING**CV SYNC – PHASE I & II***Coachella Valley Association of Governments (CVAG), Coachella Valley, CA***Client Contact:** Eric Cowle | Program Manager**Phone Number:** (760)346-1127**Email:** ecowle@cvag.org**Project Cost:** \$109M**Completion Date:** Current**RELEVANCE TO PALM DESERT**

- *Public Works Construction Management Inspection Project*
- *Traffic Signal, Synchronization and Special Inspections*
- *Electrical Inspections*
- *State and Federal Grant Management*

DESCRIPTION

This project located in the Coachella Valley consists of upgrading the local agencies existing legacy (outdated) traffic signal controllers, traffic management systems, and communication systems with the latest off-the-shelf technologies in order to provide inter-agency traffic signal synchronization along three regional roadways including Highway 111, Ramon Road and Washington Street. The project improvements include advanced traffic management systems (ATMS), advanced transportation controllers (ATC), selected Intelligent Transportation System (ITS) elements, ITS sub-systems, and Ethernet/IP-based communications that will be expandable and scalable for future integration of ITS technologies and strategies, such as Integrated Corridor Management (ICM), Smart Cities, and Connected and Autonomous Vehicles. This project includes a Regional Traffic Management Center (RTMC) and local Traffic Operation Centers (TOC) that will have the capability to monitor, control of connected traffic signals, and be used as a monitoring tool for research and analysis to help determine regional system enhancements, operations, and maintenance.

SERVICES

Services included bid administration and pre-construction assistance, grant funding administration, construction management, inspection, and project closeout services

KEY STAFF

Terry Renner, P.E., L.S., Q.S.D., Justin Schlaefli, P.E., T.E., P.T.O.E., Stephen Biscotti, Michael Counce

COUNTY LINE ROAD TRANSPORTATION CORRIDOR (LPP)*City of Calimesa, CA***Client Contact:** Will Kolbow | City Manager**Phone Number:** (909) 795-9801**Email:** wkolbow@cityofcalimesa.com**Project Cost:** \$10.1 Million (\$3.7 Million Grant)**Completion Date:** Current**RELEVANCE TO PALM DESERT**

- *LPP State Grant Management*
- *Roundabouts Design*
- *Right-of-Way Acquisition*
- *Extensive Utility Relocations*
- *Major Arterial Reconstruction*
- *Various Pavement Strategies*
- *Extensive Utility Coordination and Permitting*
- *Community Outreach Efforts*

DESCRIPTION

TKE prepared and obtained a grant for the City of Calimesa through the Road Repair and Accountability Act of 2017 (SB1) Local Partnership Program (LPP). TKE is preparing street widening and roundabout improvements for the construction of the County Line Road Transportation Corridor. The Project includes four (4) single-lane and one (1) multi-lane roundabouts, together with street, pedestrian, and bicycle improvements, to improve safety and efficiency throughout the corridor. The innovative approach to implement roundabout intersection throughout the corridor provides adequate capacity and level of service to remain a two-lane street; thus, significantly reducing right-of-way and construction costs to construct a four-lane corridor.

SERVICES

Services include grant coordination and management, design, topographic survey, right-of-way engineering, environmental assistance, roadway safety analysis, preparation of exhibits, cost estimates, coordination with California Transportation Commission, construction management, inspection, and construction staking.

KEY STAFF

Michael P. Thornton, P.E., L.S., Terry Renner, P.E., L.S., Q.S.D., Steven Ledbetter, P.E., Octavio Parada, Ron Musser, L.S., Monae Pugh, Justin Schlaefli, P.E., T.E., P.T.O.E. Jeff Lantosh, CPII, Brian McDuffie

PUBLIC WORKS MUNICIPAL ENGINEERING (CONT.)**CALIMESA CREEK BASIN AND STORM DRAIN***City of Calimesa, CA*

Client Contact: Will Kolbow | City Manager
Phone Number: (909) 795-9801
Email: wkolbow@cityofcalimesa.com
Project Cost: \$9.8M
Completion Date: Current

RELEVANCE TO PALM DESERT

- Major Drainage Infrastructure
- Regional Flood Control Basin
- Connection to County Flood Control Facility
- Extensive Utility Coordination and Permitting
- Hydraulics/Hydrology Modeling

DESCRIPTION

The Calimesa Creek Storm Drain Improvements Project is located in the Cities of Calimesa and Yucaipa south of County Line Road between the Interstate 10 Freeway and 5th Street. The project includes the design of 2,000 linear feet of 96" storm drain pipe and open channel improvements and includes design of a 53 Acre-Foot detention basin for flood control and hydro-modification purposes, providing 100-Year flood conveyance storm drain protection and low flow diversion to the existing Calimesa Creek. Design will also include walking trails and maintenance roads alongside of the improved channel alignment.

SERVICES

Services include pre-project planning, development, preliminary engineering, hydrology and hydraulics, design, project grant writing, environmental compliance, state and federal funding coordination, utility relocation coordination, right-of-way acquisition and permitting.

KEY STAFF

Michael P. Thornton, P.E., L.S., Terry Renner, P.E., L.S., Q.S.D., Ron Musser, L.S., Steven Ledbetter, P.E., Octavio Parada

CHERRY VALLEY INTERCHANGE*City of Calimesa, CA*

Client Contact: Will Kolbow | City Manager
Phone Number: (909) 795-9801
Email: wkolbow@cityofcalimesa.com
Project Cost: \$20M+
Completion Date: Current

RELEVANCE TO PALM DESERT

- Project Management
- Caltrans Experience
- Project Planning
- Right-of-Way Engineering

DESCRIPTION

TKE provides project management services for the City for the Cherry Valley Interchange including review and oversight of the Project Study Report (PSR or Project Initiation Document – PID) prepared by the County of Riverside and the consulting engineering firm, coordination with all stake holders including adjacent private developments, preparation/review of cooperation and funding agreements between stake holders. The PSR provides new interchange alternatives and preliminary geometric layouts that includes the City's preferred interchange alternative and other viable interchange alternatives along with initial traffic data, storm water data, and environmental data. Construction of a new interchange is vital to the City to increase capacity and functionality for the Cherry Valley Boulevard on/off-ramps to support the current/future traffic demand. The project is moving into the Project Approval and Environmental Document phase and is expected to begin construction in 2022.

SERVICES

Services included council report preparation, design review, project planning, review traffic impact studies, preparation of grant funding applications, report preparation, project scoping, right-of-way, and project management.

KEY STAFF

Michael P. Thornton, P.E., L.S., Terry Renner, P.E., L.S., Q.S.D., Steven Ledbetter, P.E., Monae Pugh, Justin Schlaefli, P.E., T.E., P.T.O.E.

PUBLIC WORKS MUNICIPAL ENGINEERING (CONT.)**SIERRA AVENUE WIDENING PROJECT***City of Fontana, CA***Client Contact:** Phillip Burum | Deputy City Manager**Phone Number:** (909) 350-6727**Email:** pburum@fontana.org**Project Cost:** \$11.3M**Completion Date:** Current**RELEVANCE TO PALM DESERT**

- Project/Construction Management
- Major Arterial Roadway Widening
- Traffic Signal Modification/Design
- Right-of-Way Acquisition
- Various Pavement Strategies
- Extensive Utility Coordination and Relocations
- Community Outreach Efforts

DESCRIPTION

The Sierra Avenue widening improvements project is located in the City of Fontana north of Interstate 10 Freeway between Foothill Boulevard and Baseline Road. The project is approximately 1 mile of widening for the City's primary north-south arterial street widening the roadway from 4 lanes to 6 lanes. The project includes street widening, raised landscape median, new sewer main installation, traffic signal installation and modifications, traffic signal interconnect and fiber optic cable installation, and extensive utility coordination for water main replacement, Rule 20A and Rule 20B undergrounding work. The project also includes right-of-way acquisition for 76 parcels, traffic analysis, review of construction plans, coordination with project design consultants, construction management and construction staking services. TKE represents the City with other agencies, represented engineering with the City's management personnel and other meetings, managed engineering budgets and project schedules.

SERVICES

Services include design, topographic survey, right-of-way engineering and acquisition, roadway safety analysis, preparation of exhibits, cost estimates, utility coordination, construction management, and construction staking.

KEY STAFF

Michael P. Thornton, P.E., L.S., Terry Renner, P.E., L.S., Q.S.D., Ron Musser, L.S., Monae Pugh

ATP CYCLE 3 SAFE ROUTE TO SCHOOL PEDESTRIAN IMPROVEMENTS PROJECT*City of Fontana, CA***Client Contact:** Jeffrey Kim, P.E. | Engineering Manager**Phone Number:** (909) 350-6724**Project Cost:** \$1.9M**Email:** JKim@fontana.org**Completion Date:** March 2023**RELEVANCE TO PALM DESERT**

- Street/Pedestrian Design
- Grant Funding Coordination
- Utility Relocation/Coordination
- Design Topographic Surveying
- Right-of-Way Engineering (19 Parcel Acquisitions)

DESCRIPTION

TKE provided design engineering services for the Safe Routes to Schools project funded through ATP Cycle 2 for the City of Fontana for Fontana Ave and Arrow Boulevard. This project consisted of the preparation of full Construction documents including plans, technical specifications, construction cost estimates (PS&E) and construction support services for the 5,900 linear foot ADA and pedestrian enhancement project. The project included the construction of curb, gutter, sidewalk, curb ramp, bike lane improvements, utility relocations, storm drain modifications, private improvement restoration and signing and striping. TKE successfully coordinated with Caltrans for completion of the PES, right-of-way certifications and obtaining the RFA for construction.

SERVICES

Services included design, surveying, grant management, PES preparation, environmental compliance services, utility coordination, right-of-way engineering, and construction assistance.

KEY STAFF

Terry Renner, P.E., L.S., Q.S.D., Michael P. Thornton, P.E., L.S., Octavio Parada, Monae Pugh, Ron Musser, L.S.

SECTION C | FIRM STAFF AND KEY PERSONNEL

1. STAFFING

TKE's key staff assigned to perform the services required are identified and discussed in detail within the following section. As discussed previously, TKE currently maintains a staff of 43 personnel who are highly qualified to assist with any of the required services for this contract.

TKE has two unique advantages associated with the experience of TKE's project team. One benefit of TKE's project team is our extremely low internal turnover rate. As a result of our rigorous interview and testing procedures, coupled with our extremely high employee satisfaction rates, TKE staff has years of experience working together. The close relationships each of our staff members have with one another provide the City with an extremely well rounded and experienced team. As such, TKE's project team experience directly correlates with TKE's firm experience described previously.

The second benefit of TKE's project team is our internal training procedures. TKE has strived to develop techniques that reach outside the box and develop well rounded individuals committed to providing high quality, efficient services to meet all of our clients' needs. TKE trains our staff on every facet of engineering design and construction to provide a level of knowledge that can identify problems in every phase of a project, from planning through construction.

It is this commitment to service and diverse array of offerings that makes us unique and drives our long-standing relationships with our client base. Understanding that all aspects of City Engineering and Land Development are important to ensure the City's interests are protected and project schedules are met, our team brings TKE management level professionals to projects ensuring that every aspect receives full and comprehensive consideration. It is this personal touch and contact that define our 'local service' approach. We consider ourselves community builders and take ownership of services requested from TKE, ensuring that our personnel will be allocated on an as needed basis in order to complete all services on schedule and within specified budget. TKE is committed to responding to our clients' needs as they arise.

2. KEY PERSONNEL



Terry Renner, P.E., Q.S.D.
Principle-in-Charge | CIP
Project/Construction Manager

R.C.E. No. 69984

P.L.S. No. 9762

Q.S.D. Certification No. 24329

Mr. Renner has 23 years of engineering and surveying experience and also has experience as a Plan Checker and Project Manager. Mr. Renner is a Registered Civil Engineer in the State of California. He has extensive experience in the design and construction of public works improvement projects, including project management, design engineering, construction management and surveying services. In addition, as detailed on Mr. Renner's resume, he has experience with drainage studies preparation, design and construction engineering for street, sewer and drainage system improvement projects. Mr. Renner is well trained in the use of computerized drawing software. He will assist with various tasks throughout the course of providing engineering services, such as base construction drawings, design and construction estimates.

Mr. Renner's role on the team will include management of TKE staff, compliance with standards and regulations and perform quality assurance and quality control on all documents.



Brian Wolfe, P.E.
City Engineer

R.C.E. No. 69109

Mr. Wolfe has over 19 years of experience performing in a City Engineer Role for various public works clients and specializes in the reviewing, approving, and signing of engineering plans. He is familiar with municipal codes associated with technical decision-making. For example, many of his projects have involved ADA accessible pathways and grant funding management such as Safe Routes to Schools and Community Development Block Grant (CDBG) improvements. Brian served as City Engineer in Adelanto for the past four years, managing more

than \$20 million in public improvements. Mr. Wolfe is closely familiar with providing staff augmentation services as well as developing the processes and procedures associated with ensuring successful project delivery. He is accustomed to coordinating with outside City agencies including fire, sewer, and water as well as Caltrans and SBCTA, and looks forward to the opportunity to assist the City of Palm Desert.



Justin Schlaefli, P.E., T.E.,
P.T.O.E.
Traffic Engineer

R.C.E. No. 74670

T.E. No. 2564

Justin has 23 years of experience in the transportation field. He is responsible for managing projects on a day-to-day basis as well as interfacing with other project team members and decision makers/ government staff and Contractors. He specializes in Intelligent Transportation Systems, Transportation Planning, Construction, Traffic Engineering and Traffic Operations. He has experience working on both public sector projects as well as private sector development. His experience ranges from construction management and inspection to operations and maintenance. He also has experience conducting traffic studies, specialized access analysis, parking studies, trip generation studies, traffic micro-simulation, signal operations, signal timing, traffic control and design/build of ITS solutions. In addition, Justin has served as a subject matter expert in court, for the State of California and for vendors in the transportation industry. He is also a proud alumnus of San Diego State University where he has been a guest lecturer and has taught Transportation Engineering, helping to mentor the next generation in his field.



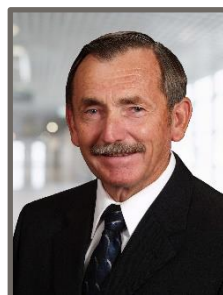
Steve Nix, P.E., P.L.S.
Senior Land Development
Engineer | Senior Plan Check
Engineer

R.C.E. No. 8146

R.C.E. No. 56810

Mr. Nix, has over 39 years of experience in engineering planning, design, and

construction management for public works projects. Mr. Nix has served several cities as it's resident engineer and other capacities including City of Chino, City of Chino Hills, City of Montclair, City of Ontario, City of Fontana, City of Riverside, and Chino Basin Municipal Water District in both the public and private sectors. He has served the City of Upland as the Sanitary Sewer Specialist and East Valley Water District as the Director of Engineering and Operations. His experience includes design and construction management of all types of civil engineering projects ranging from single and multi-family residential, commercial and industrial development projects, public works projects including street, sewer, water, storm drain improvements, water wells construction including wellhead treatment, sewage and water pump stations, water reservoirs as well as sewage treatment and transmission



Ron Musser, P.L.S.
City Surveyor

P.L.S. No. 4230

Mr. Musser has over 50 years of experience in performing field and office surveying services for public and private projects including design surveys and right-of-way acquisition projects. Prior to joining TKE Engineering, Inc., Mr. Musser worked at the County of Riverside as a County Surveyor for nearly 22 years providing mapping, easement document preparation, field surveying and calculations support for hundreds of projects. He has prepared records of survey, parcel maps, tract maps, right-of-way and easement documents in San Bernardino County, Riverside County, San Diego County, Orange County and Los Angeles County. He has performed boundary, topographic, ALTA, and precise level surveys as well as Global Positioning Surveys.



Jeff Lantosh, C.P.I.I.
Senior Construction Inspector

Mr. Lantosh has over 12 years of inspection experience providing public works inspection services to a variety of municipalities throughout

Southern California. Mr. Lantosh's background in public works inspection and oversight provide him with an extensive knowledge of ASTM specifications and OSHA standards. Additionally, Mr. Lantosh has provided coordination with other project professional services including geotechnical and survey. Mr. Lantosh has worked as a public works inspector for inspection of capital improvement and developer installed improvements relating to the construction of streets, drainage, traffic signals, parks and housing tract improvements. Mr. Lantosh has prepared daily inspection reports, developed construction photo logs, assisted with progress and final payment processing, assisted with change order negotiations, verified compliance with contract documents and approved project submittals, verified public safety compliance, and developed remedial work lists. He also has experience performing special inspections work and has earned numerous certifications that strengthen his qualifications to perform work on specialized projects.



Steven Biscotti
Senior Construction Inspector

Mr. Biscotti has over 14 years of inspection experience, and has been providing Public Works Construction Inspection services for the last seven years. Mr. Biscotti has worked as a Public Works Inspector for inspection of capital improvement and developer installed improvements relating to the construction streets, drainage, utilities, parks and development improvements. He is currently working as a Senior Public Works Inspector on the CV-Sync Project for CVAG. Mr. Biscotti has extensive knowledge of industry public works and Caltrans construction practices, and has demonstrated experience reading and interpreting plans and specifications. He will support the TKE Team in ensuring the required deliverables are presented to the City on schedule.



Patrick Palafox
Senior Construction Inspector

Mr. Palafox has over 15 years of inspection experience, and has been providing Public Works Construction Inspection services for the last four years.

Mr. Palafox has prepared daily inspection reports, developed construction photo logs, assisted with progress and final payment processing, assisted with change order negotiations, verified compliance with contract documents and approved project submittals, verified public safety compliance, developed remedial work list and system startup inspections. Mr. Palafox has provided coordination with other project professional services (e.g. Geotechnical and Surveying) and provided simultaneous inspection of multiple contractors and crews.

DEPTH OF RESOURCES

TKE's professional team is supported by 43 Design and Construction Management support staff, Plan Check Staff, additional Inspector Staff, as well as Administrative Support personnel. An organizational chart for the entire team is presented on the following page, and resumes for key personnel have been provided separately per RFP requirements. Upon the City's request, TKE can furnish additional resumes for any support staff needed to accomplish the work under this contract.



3 . TEAM ORGANIZATION



4. SUBCONSULTANTS



Earth Systems

Earth Systems Pacific (Earth Systems) will provide Geotechnical Development Review services. Their role will be to provide third-party review and evaluation of engineering geology and geotechnical reports to verify compliance with City requirements and the generally accepted professional standard of care. They will review foundation and grading plans for proposed development projects to determine conformance with applicable geotechnical recommendations and applicable code requirements. Earth Systems will also prepare Geotechnical Investigations for CIP Projects.

With over 50 years of experience in the geoprofessional industry and a local office in Bermuda Dunes, Earth Systems brings decades of local experience and industry expertise to this contract. They offer a full range of services in the fields of geotechnical engineering, engineering geology, environmental assessment, construction monitoring, and materials testing and special inspection. Their local staff consists of registered geotechnical engineers, certified engineering geologists, soil technicians, special inspectors, and laboratory technicians, augmented by drilling, drafting, and support personnel. Earth Systems maintains local, fully accredited materials testing laboratories with the capacity to perform hundreds of tests upon soils, concrete, asphalt, steel, masonry, and other building materials. Earth Systems laboratories have been certified or inspected by such agencies as the Division of the State Architect (DSA), the Cement and Concrete Reference Laboratory (CCRL), AASHTO (formerly AMRL), the U.S. Army Corps of Engineers, and Caltrans.

Geotechnical engineering, geology and environmental assessment services available through Earth Systems include the following:

- Design-level geotechnical engineering investigations
- Geotechnical and geologic feasibility studies
- Site-specific ground motion hazard analysis
- Slope stability evaluations
- Fault location studies
- Liquefaction and seismicity evaluation
- Seismic refraction/rippability
- Geotechnical criteria for shallow and deep foundations, including caissons, driven piles, and micropiles
- Criteria for earth retention structures and embankments
- Engineering analysis of settlement-reduction methods
- Development of geotechnical criteria for pavement construction and rehabilitation, including new construction, overlays, recycled materials, permeable pavers, and stabilization of poor subgrade conditions
- Rock/pavement coring
- Pavement deflection studies
- Evaluation of acceptability of construction materials
- Infiltration testing for low-impact development (LID) improvements
- Failure investigations of foundations, retaining walls, slopes, and pavement
- Peer review services
- Sampling of potentially contaminated soils and testing for hydrocarbons, other petroleum products, naturally occurring asbestos, and lead
- Phase 1 and Phase 2 environmental assessments
- Groundwater monitoring and sampling
- Laboratory analysis of soil and groundwater samples
- Delineation of contaminant plumes

- Full materials testing laboratory with the capability of soil and rock type classification, determination of shear strength, expansion potential, compressibility, and other geotechnical properties of soils and other construction materials

SUBCONSULTANT PROJECT EXPERIENCE

EARTH SYSTEMS | PROJECT: ALESSANDRO WEST ROAD IMPROVEMENTS, CITY OF PALM DESERT, CALIFORNIA



Client: City of Palm Desert

Attn: Mr. Ryan Gayler, Project Administrator
 73-510 Fred Waring Drive
 Palm Desert, CA 92260
 (760) 346-0611
 Rgayler@cityofpalmdesert.org

Project Description: Earth Systems was retained by the City of Palm Desert to provide field and laboratory testing for Alessandro West Improvements, Phase II. Earth Systems' scope of work included field density testing and associated laboratory testing (maximum density and soil gradation) for storm drain backfill; curb/gutter subgrade and base; valley, wedge and cross gutters and street subgrade and base. Density testing and observation of asphalt concrete placement was also performed. Field density tests were conducted in accordance with ASTM D 6938 and laboratory maximum density vs. optimum moisture testing was performed per ASTM D 1557.

Dates of Service: May 2022 - Present

EARTH SYSTEMS | PROJECT: CITY OF INDIAN WELLS, CA



Client: City of Indian Wells

Attn: Mr. Paul Goble
 44-950 El Dorado Drive
 Indian Wells, CA 92210
 (760) 346-2489
 pgoble@indianwells.com

Project Description: Earth Systems has provided geotechnical, environmental assessment, materials testing, and special inspection services on an on-call basis for the City of Indian Wells for over three decades. Among the various task assignments that have arisen during the course of the on-call contract are peer review services. These services have involved review of geotechnical reports prepared by geotechnical consultants for projects under the jurisdiction of the City of Indian Wells. The reviews typically involve evaluation of the adequacy of the reports, including the investigations and analyses performed, the soundness of the conclusions and recommendations, and whether the reports and plans meet the generally accepted professional standard of care and are in compliance with City policies and guidelines.

SECTION D | PROPOSED METHOD TO ACCOMPLISH THE WORK

1. PROJECT UNDERSTANDING

The City desires to retain a highly qualified civil engineering consultant to provide a menu of services including; yet not limited to: municipal civil engineering, traffic engineering, professional design engineering, professional surveying, geotechnical, project management, construction management, as well as land development services. TKE also recognizes the City's need for construction inspection services, including special inspections, to support a combination of CIP and Land Development projects. TKE staff is prepared to immediately mobilize and begin providing the required services and related technical engineering assistance including but not limited to the following:

- Staff Augmentation
- City Engineer
- Development Review
- Geotechnical Services
- Hydrology
- Permitting
- Traffic Engineering
- Condition of Approval
- Plan Checking
 - Improvement Plans
 - Grading Plans
 - Erosion Control Plans
 - Parking Lot Plans
 - Specifications
 - Cost Estimating
 - Water Quality
 - Drainage Studies
 - PM-10
- CIP and Development Inspection
- Municipal Engineering
 - Grant Application/Management
 - Engineering Design
 - City Coordination
 - Traffic Management
 - Traffic Engineering
 - Traffic Signal Operations
 - Traffic Data Collection
 - Plan Checking
 - Construction Management
- Reporting and Management

Funding



2. PROJECT APPROACH

Whether the services required are city engineering, traffic, survey, land development, planning, design, inspection or construction related, successful project delivery is our goal. Our definition of successful project delivery is:

- △ Project Completion that Protects City Interests
- △ Project Completion that Meets All Project Requirements
- △ Project Completion on Schedule
- △ Project Completion within Budget

IMPLEMENTATION PLAN

TKE's implementation plan includes the following key elements which we routinely provide for each of our projects:

PROJECT MANAGEMENT

TKE provides effective city engineering, land development, and project management services to a variety of clients. We have successfully delivered extensive and highly visible development projects, street improvement, traffic improvement, drainage improvement, water, wastewater and facility improvement projects for the Coachella Valley Association of Governments, County of San Bernardino and Riverside, Cities of Coachella, Banning, Calimesa, Moreno Valley, Chino, Glendora, El Monte, South El Monte, Corona, Highland, Hesperia, Colton, Upland, Fontana, Yucaipa, Rialto, Redlands, Wildomar, Lake Elsinore, and Riverside and for the Municipal Agencies San Bernardino Municipal Water Department, Rubidoux Community Services District, Mission Springs Water District, East Valley Water District, Mission Springs Water District,

Coachella Water Authority, San Bernardino Municipal Water Department, Rubidoux Community Services District, East Valley Water District, Three Valleys Municipal Water District, Monte Vista Water District, and Maywood Mutual Water Company. TKE's approach has consistently allowed our partner agencies to fulfill their missions of delivering the best value for the public's investment.

TKE's management approach includes:

MONTHLY PROGRESS REPORTS

TKE documents project progress for all projects assigned to TKE by a comprehensive project management summary. The summary includes project name and related number, description of progress, budget status, schedule compliance, completed deliverables, and anticipated upcoming accomplishments.

COMMUNICATION

Communications with City staff is another important component to effective project management. In addition to the monthly progress reports, TKE meets with clients as needed to ensure the projects are proceeding as anticipated. We document each discussion or meeting with notes and electronically mail them to the project team within three days of the meeting/conference indicating action items and a schedule for completion of these items. Finally, TKE welcomes direct lines of communication between the City and all Key Staff for any and all project needs.

RECORD KEEPING

TKE keeps records in an organized filing system both in hard copy and electronic forms. This organized filing system allows TKE to access records immediately should they be needed. Additionally, TKE can provide comprehensive project records to the City upon completion of each project.

MEETINGS

TKE meets with project stakeholders as needed including the public, permitting agencies, utilities, etc. We meet with them at the project's onset and throughout the course of project development to ensure all stakeholder project needs are considered in the project design. All meeting preparation (City Staff Reports, agendas, exhibits, slide shows, etc.) will be prepared by TKE for each meeting. Again,

meetings will be documented. TKE has provided numerous similar presentations to Councils (closed sessions, council meetings, community meetings, etc.).

TEAM MEETINGS

Team meetings include all parties that have any interest in the project development. In particular, the City's Engineering and Public Works Departments will be close working partners with TKE in project development and environmental compliance for capital projects.

CIP PROJECT MANAGEMENT

Project management will be an essential element in all types of project delivery. Effective communications will lead to effective management. Management will include weekly reviews of project budget and schedules and regular meetings with all project shareholders.

For all projects, the most important aspect of management will be to ensure that the City's interests are protected to the maximum extent possible and project schedules are met. TKE will ensure that public funds and impact fees are used for the benefit of the community. Any deviation from standards and requirements will be referred to the City and TKE will implement direction given by City staff. Maintaining excellent communications will prevent any project processing misunderstandings and will avoid project delays. TKE management techniques always result in efficient project delivery.

Managing other consultants is another area that TKE excels. Due to our extensive variety of project experience, TKE has a vast amount of knowledge with all public works improvement projects. With this understanding, TKE is able to manage others and avoid any costly project changed conditions and delays.



City of Calimesa | LLP County Line Road | Traffic Engineering

REGULATORY, SUBDIVISION MAP ACT AND CITY STANDARDS COMPLIANCE

Another primary function of TKE staff is to verify compliance with aspects of federal, state, and local laws as well as the subdivision map act and City standards. TKE is already well versed with federal, state and local development law and the map act requirements. Further, TKE will verify that all construction related to engineering components, are constructed in accordance with these requirements and standards.

FEDERAL / STATE FUNDING COMPLIANCE

TKE will verify that all construction activities, records management and processing are completed in accordance with funding requirements including Caltrans Construction Manual and Federal /State requirements. TKE is already working closely with Caltrans Local Assistance on numerous other projects and is very familiar with funding requirements ensuring that the City's projects will be delivered efficiently. TKE also has current experience with Caltrans District 8 preparing requests for authorization to proceed to construction, programming change requests, and variance to finance letter requests to conform to actual bid amounts.

FINANCE AND ADMINISTRATION

TKE is familiar with a number of funding sources for capital improvement projects. TKE has prepared numerous applications and administered these funds for a number of agencies. TKE has

extensive experience with Federal and State funded projects including:

- △ Highway Safety Improvement Program (HSIP)
- △ Transportation Enhancement Program (TE)
- △ Congestion Management & Air Quality (CMAQ)
- △ Safe Routes to School (SRTS)
- △ Community Development Block Grant (CDBG)
- △ U.S. EPA Clean Water Grant
- △ U.S. Army Corp Environmental Infrastructure
- △ U.S. HUD Community Development Block Grants
- △ Active Transportation Program (ATP)
 - Safe Routes to School (SR2S)
- △ Road Repair and Accountability Act of 2017 (SB1)
- △ Mobile Source Reduction Committee (MSRC)
- △ TDA Article 3
- △ Rubberized Asphalt Concrete (RAC)
- △ State Water Board Drinking Water and Clean Water SRF
- △ Proposition 1
 - Storm Water Grant Program
 - Integrated Regional Watershed Management Program
 - Flood Management Program
 - Proposition 84
 - Proposition 1E
 - Proposition 50
 - Proposition 68

We will apply this knowledge to process current projects and continue to work with City staff to match funding streams with proposed projects.

ENVIRONMENTAL COMPLIANCE

Environmental permitting for projects within the CIP may be complex and involve coordination with multiple jurisdictional agencies, in addition to the normal CEQA analysis and determination. Our preliminary review of the CIP indicates that many projects projected will qualify for a categorical exemption. Other projects may require some additional environmental permit requirements including Clean Water Act (CWA) Section 404 permits from the United States Army Corps of Engineers, CWA Section 401 permits from the Regional Water Quality Control Board, Section 1602 Permits from the California Department of

Fish and Game and potential US ESA Section 7 permitting from the United States Fish and Wildlife Service. TKE has experience in the acquisition of each of these different permit types and will provide excellent management and oversight to ensure environmental compliance permitting is implemented.

3. SCHEDULE OF TASKS

For a complete schedule of tasks to be completed for the proposed services please refer to the Experience and Technical Competence section of the proposal.



Prepared By:



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