



**AGENDA
STAFF REPORT**

MEETING DATE: 9/20/2022

AGENDA SECTION: C

SUBJECT:

Public Works: Approval of amendment to professional services agreement with QK, Inc. of Visalia, CA not to exceed \$928,877 for the design and professional engineering services for the East Lacey Boulevard Pedestrian and Bicycle Safety project from 10th Avenue to east of Sierra Drive; and for design of Traffic Signal at Lacey Boulevard and 9th Avenue.

RECOMMENDATION:

That the City Council by motion:

1. Approve the attached Work Order No. 1 with QK, Inc. of Visalia, CA for Professional Engineering Services for East Lacey Boulevard reconstruction from 10th Avenue to east of Sierra Drive, for a cost not to exceed amount of \$869,482.90.
2. Approve the attached Work Order No. 2 with QK, Inc. of Visalia, CA for Traffic Signal Design at East Lacey Boulevard and 9th Avenue, for a cost not to exceed amount of \$59,193.33.

BACKGROUND:

This project will involve the widening and reconstruction of East Lacey Boulevard, from 10th Avenue to east of Sierra Drive, to facilitate two lanes in each direction of travel plus a center dual left turn lane. Improvements will include the reconstruction of existing pavement section, installation of a new drainage collection/disposal system including construction of two new drainage basins, installation of curbs, gutters, sidewalks, drive approaches and ADA ramps, additional street lighting, and installation of a traffic signal system at East Lacey Boulevard and 9th Avenue.

This East Lacey Boulevard Preliminary Engineering design project has received grant funding through a Federal Pedestrian Facilities, Active Transportation Program (ATP) and Congestion Mitigated Air Quality (CMAQ) grants. The Traffic Signal design project has received grant

funding through a CMAQ grant and city transportation funds. Grant funding that is currently authorized for the project is for the Preliminary Engineering (PE) phase of the projects.

Preliminary Engineering work includes environmental studies, National Environmental Policy Act (NEPA) approval, CEQA approval, utility investigations and engineering work associated with utility relocation, preliminary design, final design including Plans, Specifications and Estimates (PS&E) and other related work leading the construction of the project. Preliminary Right of Way (ROW) activities include pre-acquisition activities such as estimating, title search, legal descriptions, and preliminary property map preparation and studies as needed for NEPA compliance.

The City has prepared a Design Masterplan for the project that identifies the preliminary alignments, grades, right of way, utilities, tributary areas, storm drainage design and basins. The Consultant will prepare three separate sets of construction documents (PS&E) for East Lacey Boulevard, comprising of a bid ready set of documents.

This project will improve traffic flow capacity and safety by providing additional travel lanes, a protected left turn lane, and the installation of a traffic signal system at the intersection of East Lacey Boulevard and 9th Avenue. Drainage and pedestrian safety will also be improved with the addition of curb, gutter, sidewalks and street lighting.

Attached are Work Orders No. 1 and 2 with QK, Inc. These are an amendment to the City's On-Call Engineering Services Agreements with QK, Inc. that was previously approved by Council on March 29, 2021. The contract work orders specify that all design work and project coordination services will be performed in conformance with the City's existing professional services agreements on a time and material basis at rates set forth in the established fee schedules at a not to exceed cost of \$928,877.

FISCAL IMPACT:

East Lacey Boulevard Pedestrian Facilities project from 10th Avenue to east of Sierra Drive: The Capital Improvement Program (CIP) adopted by Council has appropriated the funding for engineering services for this project. The total cost for design services will be billed on time and materials basis not to exceed \$869,482.90. This project has received Federal Funding from the Pedestrian Facilities ATP grant in the amount of \$44,200 and an additional \$500,000 through CMAQ funding. The design phase is fully funded.

Traffic Signal at East Lacey Boulevard and 9th Avenue:

The Capital Improvement Program provides \$15,193.00 for engineering services for this project. This project has additionally received Federal Funding from the Congestion Mitigated Air Quality (CMAQ) grant in the amount of \$44,000. The total cost for design services will be billed on a time and materials basis not to exceed \$59,193.33. The design phase is fully funded.

Attached are the CIP pages for Council review. At the time of this report there was currently a remainder of \$5,034,000 appropriated for these projects of which the \$928,877 will reduce available appropriation. Upon completion of the design phase, staff will bring these projects back for consideration to go out to bid and a final recommendation for additional appropriation as required for construction.

ATTACHMENTS:

Work Order No. 1-East Lacey Reconstruct 10th - Sierra

Work Order No. 2-Traffic Signal 9th at Lacey

Budget Pages



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This is an amendment to the agreement between QK, Inc. and the City of Hanford dated April 6, 2021, and therefore all work to be performed under this work order shall comply with all provisions of said agreement.

Work performed shall be paid in accordance with the hourly rates established in the fee schedule contained in the Professional Agreement for On Call Engineering Services, and the scope of work described in the attached proposal, but **not to exceed \$869,482.90** without an approved change order executed by the City of Hanford and Moore Twining.

Scope of Work:

Preliminary Engineering for East Lacey Boulevard Pedestrian Facilities Improvements from 10th Avenue to east of Sierra Drive. See attached Scope of Work.

By: _____ Dated: _____
 Jeff Cowart, P.E.
 Vice President, QK Inc.

By: _____ Dated: _____
 James Ross
 Acting Public Works Director



REVISED COST PROPOSAL SUMMARY

Client Name: City of Hanford

QK Project Manager: Kelly Riddle

Project Name: East Lacey Blvd Pedestrian Facilities Project (Phase 1a)

QK Proposal No. P220325

Task Description	TOTAL QK LABOR	TOTAL SUBCONSULTANTS	TOTAL EXPENSES	TOTALS
Task 1.0 – Project Management	\$30,517.96	\$0.00	\$0.00	\$30,517.96
Task 2.0 – Project Initiation	\$3,629.53	\$0.00	\$0.00	\$3,629.53
Task 3.0 – Environmental Compliance	\$14,096.24	\$0.00	\$0.00	\$14,096.24
3.1 - CEQA	\$7,983.38	\$0.00	\$0.00	\$7,983.38
3.2 - NEPA	\$6,112.86	\$0.00	\$0.00	\$6,112.86
Task 4.0 – Preliminary Design Phase	\$53,258.84	\$19,295.91	\$46.00	\$72,600.75
4.1 - Supplemental Topographic Survey	\$12,120.61	\$7,935.35	\$0.00	\$20,055.96
4.2 - Data Collection	\$2,915.40	\$0.00	\$0.00	\$2,915.40
4.3 - Utility Identification and Plat Map Request	\$3,544.34	\$6,270.07	\$23.00	\$9,837.41
4.4 - Preliminary Plans	\$25,609.67	\$0.00	\$23.00	\$25,632.67
4.5 - Preliminary Right of Way and Easements	\$3,747.32	\$0.00	\$0.00	\$3,747.32
4.6 - Potholing	\$5,321.50	\$5,090.49	\$0.00	\$10,411.99
Task 5.0 – Utility Coordination	\$20,060.74	\$119,131.29	\$0.00	\$139,192.03
Task 6.0 – Right of Way Phase	\$88,212.44	\$0.00	\$0.00	\$88,212.44
6.1 - Legal Descriptions, Exhibits of Right of Way, and Easements	\$40,967.52	\$0.00	\$0.00	\$40,967.52
6.2 - Appraisal Exhibits	\$32,390.76	\$0.00	\$0.00	\$32,390.76
6.3 - Stake Existing and Proposed Right of Way	\$14,854.16	\$0.00	\$0.00	\$14,854.16
Task 7.0 – PS&E Phase	\$124,030.53	\$17,656.79	\$69.00	\$141,756.32
7.1 - 60% PS&E	\$58,984.57	\$6,947.64	\$23.00	\$65,955.21
7.2 - 60% Submittal	\$1,953.81	\$0.00	\$0.00	\$1,953.81
7.3 - 90% PS&E	\$28,565.94	\$6,947.64	\$23.00	\$35,536.58
7.4 - 90% Submittal	\$2,117.60	\$0.00	\$0.00	\$2,117.60
7.5 - 100% PS&E	\$28,565.94	\$1,948.03	\$23.00	\$30,536.97
7.6 - 100% PS&E Submittal	\$2,117.60	\$0.00	\$0.00	\$2,117.60
7.7 - Furnish Construction Documents	\$1,725.07	\$1,813.47	\$0.00	\$3,538.54
Task 8.0 – Bidding Services Phase	\$9,582.09	\$703.73	\$23.00	\$10,308.82
Task 9.0 – Construction Administration Services Phase	\$12,976.90	\$1,234.33	\$23.00	\$14,234.23
TOTALS - Phase 1a	\$356,365.27	\$158,022.05	\$161.00	\$514,548.32

Notes:

1. Expenses for reproduction, mailing, mileage, etc. are billed per our attached Charge Rate Schedule.
2. All time-and-materials fees will be invoiced monthly based on the level of effort in terms of hours relative to our Charge Rate Schedule.
3. When a Task is set on a time-and-materials fee basis, it signifies that it is not possible to accurately predict the amount of work effort required typical of on-call type services. QK will work with the client to set expectations where applicable.
4. Fees for field surveying activities are subject to the payment of Prevailing Wages for Kings County.

REVISED COST PROPOSAL SUMMARY

Client Name: City of Hanford

QK Project Manager: Kelly Riddle

Project Name: East Lacey Blvd Pedestrian Facilities Project (Phase 2)

QK Proposal No. P220325

Task Description	TOTAL QK LABOR	TOTAL SUBCONSULTANTS	TOTAL EXPENSES	TOTALS
Task 1.0 – Project Management	\$16,843.28	\$0.00	\$0.00	\$16,843.28
Task 2.0 – Project Initiation	\$3,274.67	\$0.00	\$0.00	\$3,274.67
Task 3.0 – Environmental Compliance	\$14,096.24	\$0.00	\$0.00	\$14,096.24
3.1 - CEQA	\$7,983.38	\$0.00	\$0.00	\$7,983.38
3.2 - NEPA	\$6,112.86	\$0.00	\$0.00	\$6,112.86
Task 4.0 – Preliminary Design Phase	\$46,727.16	\$12,499.09	\$46.00	\$59,272.25
4.1 - Supplemental Topographic Survey	\$10,244.43	\$6,126.59	\$0.00	\$16,371.02
4.2 - Data Collection	\$2,915.40	\$0.00	\$0.00	\$2,915.40
4.3 - Utility Identification and Plat Map Request	\$3,569.91	\$1,282.02	\$23.00	\$4,874.93
4.4 - Preliminary Plans	\$21,362.65	\$0.00	\$23.00	\$21,385.65
4.5 - Preliminary Right of Way and Easements	\$3,313.27	\$0.00	\$0.00	\$3,313.27
4.6 - Potholing	\$5,321.50	\$5,090.49	\$0.00	\$10,411.99
Task 5.0 – Utility Coordination	\$15,834.77	\$41,451.82	\$0.00	\$57,286.59
Task 6.0 – Right of Way Phase	\$73,182.64	\$0.00	\$0.00	\$73,182.64
6.1 - Legal Descriptions, Exhibits of Right of Way, and Easements	\$32,603.68	\$0.00	\$0.00	\$32,603.68
6.2 - Appraisal Exhibits	\$26,150.64	\$0.00	\$0.00	\$26,150.64
6.3 - Stake Existing and Proposed Right of Way	\$14,428.32	\$0.00	\$0.00	\$14,428.32
Task 7.0 – PS&E Phase	\$94,269.31	\$12,583.23	\$69.00	\$106,921.54
7.1 - 60% PS&E	\$42,695.60	\$4,497.50	\$23.00	\$47,216.10
7.2 - 60% Submittal	\$2,297.76	\$0.00	\$0.00	\$2,297.76
7.3 - 90% PS&E	\$21,477.68	\$4,497.50	\$23.00	\$25,998.18
7.4 - 90% Submittal	\$2,297.76	\$0.00	\$0.00	\$2,297.76
7.5 - 100% PS&E	\$21,477.68	\$1,236.78	\$23.00	\$22,737.46
7.6 - 100% Submittal	\$2,297.76	\$0.00	\$0.00	\$2,297.76
7.7 - Furnish Construction Documents	\$1,725.07	\$2,351.45	\$0.00	\$4,076.52
Task 8.0 – Bidding Services Phase	\$9,549.33	\$703.70	\$23.00	\$10,276.03
Task 9.0 – Construction Administration Services Phase	\$12,609.98	\$1,148.35	\$23.00	\$13,781.33
TOTALS - Phase 2	\$286,387.38	\$68,386.20	\$161.00	\$354,934.58

Notes:

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Work performed shall be paid in accordance with the hourly rates established in the fee schedule contained in the Professional Agreement for On Call Engineering Services, and the scope of work described in the attached proposal, but **not to exceed \$59,193.33** without an approved change order executed by the City of Hanford and Moore Twining.

Scope of Work:

Preliminary Engineering for a traffic signal at East Lacey Boulevard and 9th Avenue.
 See attached Scope of Work.

By: _____ Dated: _____
 Jeff Cowart, P.E.
 Vice President, QK Inc.

By: _____ Dated: _____
 James Ross
 Acting Public Works Director



REVISED COST PROPOSAL SUMMARY

Client Name: City of Hanford

QK Project Manager: Kelly Riddle

Project Name: Traffic Signal Project at Lacey Boulevard and 9th Avenue (Phase 1b)

QK Proposal No. P220325

Task Description	TOTAL QK LABOR	TOTAL SUBCONSULTANTS	TOTAL EXPENSES	TOTALS
Task 1.0 – Project Management	\$2,129.16	\$0.00	\$0.00	\$2,129.16
Task 2.0 – Project Initiation	\$535.98	\$0.00	\$0.00	\$535.98
Task 3.0 – Environmental Compliance	\$0.00	\$0.00	\$0.00	\$0.00
3.1 - CEQA	\$0.00	\$0.00	\$0.00	\$0.00
3.2 - NEPA	\$0.00	\$0.00	\$0.00	\$0.00
Task 4.0 – Preliminary Design Phase	\$5,377.15	\$6,892.32	\$6,915.32	\$12,292.47
4.1 - Supplemental Topographic Survey	\$579.25	\$0.00	\$0.00	\$579.25
4.2 - Data Collection	\$565.06	\$0.00	\$0.00	\$565.06
4.3 - Utility Identification and Plat Map Request	\$845.16	\$0.00	\$23.00	\$868.16
4.4 - Preliminary Plans	\$3,387.68	\$6,892.32	\$6,892.32	\$10,280.00
4.5 - Preliminary Right of Way and Easements	\$0.00	\$0.00	\$0.00	\$0.00
4.6 - Potholing	\$0.00	\$0.00	\$0.00	\$0.00
Task 5.0 – Utility Coordination	\$5,641.03	\$0.00	\$0.00	\$5,641.03
Task 6.0 – Right of Way Phase	\$0.00	\$0.00	\$0.00	\$0.00
6.1 - Legal Descriptions, Exhibits of Right of Way, and Easements	\$0.00	\$0.00	\$0.00	\$0.00
6.2 - Appraisal Exhibits	\$0.00	\$0.00	\$0.00	\$0.00
6.3 - Stake Existing and Proposed Right of Way	\$0.00	\$0.00	\$0.00	\$0.00
Task 7.0 – PS&E Phase	\$14,571.20	\$13,784.69	\$69.00	\$28,424.89
7.1 - 60% PS&E	\$2,741.82	\$5,725.14	\$23.00	\$8,489.96
7.2 - 60% Submittal	\$1,681.92	\$0.00	\$0.00	\$1,681.92
7.3 - 90% PS&E	\$2,741.82	\$4,927.90	\$23.00	\$7,692.72
7.4 - 90% Submittal	\$1,422.06	\$0.00	\$0.00	\$1,422.06
7.5 - 100% PS&E	\$3,181.36	\$1,701.60	\$23.00	\$4,905.96
7.6 - 100% Submittal	\$1,422.06	\$0.00	\$0.00	\$1,422.06
7.7 - Furnish Construction Documents	\$1,380.16	\$1,430.05	\$0.00	\$2,810.21
Task 8.0 – Bidding Services Phase	\$4,241.74	\$1,586.99	\$23.00	\$5,851.73
Task 9.0 – Construction Administration Services Phase	\$1,998.02	\$2,297.05	\$23.00	\$4,318.07
TOTALS - Phase 1b	\$34,494.28	\$24,561.05	\$138.00	\$59,193.33

Notes:

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4. Fees for field surveying activities are subject to the payment of Prevailing Wages for Kings County.

East Lacey Boulevard Widening / Reconstruction, 10th Avenue to Sierra Drive

Project Background:

This project will involve the widening and reconstruction of East Lacey Boulevard, between 10th Avenue and Sierra Drive, to facilitate two lanes in each direction of travel plus turn lanes. Improvements will include the reconstruction of existing pavement section, installation of a new drainage collection/disposal system, installation of curbs, gutters, sidewalks, drive approaches and ADA ramps, installation of a traffic signal system at East Lacey Boulevard / Ninth Avenue and installation of additional street lighting.

Existing Conditions:

East Lacey Boulevard, between 10th Avenue and Sierra Drive is currently a two lane arterial roadway. Current average daily traffic volume is approximately 7,000 vehicles per day. The existing roadway surface is deteriorating due to traffic loads and weather impacts and is in need of resurfacing. Traffic volumes are anticipated to increase substantially with the development of a regional shopping center including Costco.

Project Justification:

This project will improve traffic flow capacity and safety by providing additional travel lanes and a protected left turn lane and the installation of a traffic signal system at the intersection of East Lacey Boulevard / Ninth Avenue. Drainage and pedestrian safety will also be improved with the addition of curb, gutter, sidewalks and street lighting. Design and right-of-way acquisition will be performed in FY20 with Construction in FY21 and FY22.

Fiscal Implications:

Funding for this project will be allocated from various fund sources.

Project Budget Summary:

		5-Year Funding Allocation				
		2021	2022	2023	2024	2025
Expenditure	Program or Project	Design / RW	Construction	Construction		
	Engineering / Inspection	250,000	100,000	100,000		
	Right of Way Acquisition	420,000	0	0		
	Construction		3,950,000	3,950,000		
	Contingency		395,000	395,000		
	Department Overhead	60,363	25,000	25,000		
Total Expenditure		\$730,363	\$4,470,000	\$4,470,000	\$0	\$0
Revenue		Funding				
		045 Gas Tax (RMRA)		950,000	950,000	
		181 Transportation Impact Fees	109,009	1,500,000	1,500,000	
		358 Storm Drainage Capital	457,839	750,000	750,000	
		391 Water Capital		350,000	300,000	
		363 Wastewater Capital		252,000	84,000	
		050 Gas Tax (TDA Transportation)	67,150	225,000	0	
		055 Congestion Mitig./Air Quality (CMAQ)	96,365	443,000	886,000	
Total Funding		\$730,363	\$4,470,000	\$4,470,000	\$0	\$0

East Lacey Boulevard Widening / Reconstruction, 10th Avenue to Sierra Drive

Project Background:

This project will involve the widening and reconstruction of East Lacey Boulevard, between 10th Avenue and Sierra Drive, to facilitate two lanes in each direction of travel plus turn lanes. Improvements will include the reconstruction of existing pavement section, installation of a new drainage collection/disposal system, installation of curbs, gutters, sidewalks, drive approaches and ADA ramps, installation of a traffic signal system at East Lacey Boulevard / Ninth Avenue and installation of additional street lighting.

Existing Conditions:

East Lacey Boulevard, between 10th Avenue and Sierra Drive is currently a two lane arterial roadway. Current average daily traffic volume is approximately 7,000 vehicles per day. The existing roadway surface is deteriorating due to traffic loads and weather impacts and is in need of resurfacing. Traffic volumes are anticipated to increase substantially with the development of a regional shopping center including Costco.

Project Justification:

This project will improve traffic flow capacity and safety by providing additional travel lanes, a protected left turn lane and the installation of a traffic signal system at the intersection of East Lacey Boulevard / Ninth Avenue. Drainage and pedestrian safety will also be improved with the addition of curb, gutter, sidewalks and street lighting. Design and right-of-way acquisition will be performed in FY20 with Construction in FY21 and FY22.

Fiscal Implications:

Funding for this project will be allocated from various fund sources.

Project Budget Summary:

		5-Year Funding Allocation				
		2022	2023	2024	2025	2026
Expenditure	Program or Project	Construction	Construction			
	Engineering / Inspection	100,000	100,000			
	Right of Way Acquisition					
	Construction	3,950,000	3,950,000			
	Contingency	395,000	395,000			
	Department Overhead	234,020	172,240			
Total Expenditure		\$4,679,020	\$4,617,240	\$0	\$0	\$0
		Funding				
Revenue	0045 Gas Tax (RMRA)	994,423	981,293			
	0181 Transportation Impact Fees	1,570,141	1,549,409			
	0359 Storm Drainage Capital	523,380	516,470			
	0391 Water Capital	628,056	619,764			
	0362 Wastewater Capital	263,784	260,301			
	0050 Gas Tax (TDA Transportation)	235,521	232,411			
	0055 Congestion Mitigation and Air Quality (CMAQ)	463,715	457,592			
Total Funding		\$4,679,020	\$4,617,240	\$0	\$0	\$0

Project No.	822645
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9TH AVE & LACEY SIGNAL

Project Background:

This project will involve the installation of a Traffic Signal and Safety Lighting at the intersection of 9th Avenue and East Lacey Boulevard to facilitate four lanes along with turn pockets and traffic signal facilities equipment.

Existing Conditions:

East Lacey Boulevard, between 10th Avenue and Sierra Drive is currently a two lane arterial roadway. Current average daily traffic volume is approximately 7,000 vehicles per day. Traffic volumes are anticipated to increase substantially with the continuing development of the regional shopping center, including Costco.

Project Justification:

This project will improve traffic flow capacity and safety by providing additional travel lanes, safe pedestrian crossing locations, additional safety lighting, and ADA compliant curb returns with the installation of a traffic signal system at the intersection of East Lacey Boulevard and 9th Avenue.

Construction is anticipated to be in FY2024.

Fiscal Implications:

Funding for 9th Avenue & Lacey Signal will be transferred from CMAQ and Transportation Impact Fees (East Lacey Widening 823619).

Project Budget Summary:

		6-Year Funding Allocation					
		2023	2024	2025	2026	2027	2028
Expenditure	PROGRAM OR PROJECT	DESIGN	CONSTRUCTION				
	ENGINEERING/CONSULTANT	59,193					
	CONSTRUCTION		1,000,000				
Total Expenditure		\$59,193	\$1,000,000	\$0	\$0	\$0	
Revenue							
		FUND ORG					
		0055 2672 CMAQ	44,000				
		0181 2181 TRANSPORTATION IMPACT FEES	15,193	1,000,000			
Total Funding		\$59,193	\$1,000,000	\$0	\$0	\$0	