

CITY COUNCIL AGENDA ITEM
CITY OF SHORELINE, WASHINGTON

AGENDA TITLE:	Authorizing the City Manager to Execute an Agreement for Wastewater Engineering Services with David Evans and Associates in the Amount of \$2,273,700
DEPARTMENT:	Public Works
PRESENTED BY:	Randy Witt, Director of Public Works
ACTION:	<input type="checkbox"/> Ordinance <input type="checkbox"/> Resolution <input checked="" type="checkbox"/> Motion <input type="checkbox"/> Discussion <input type="checkbox"/> Public Hearing

PROBLEM/ISSUE STATEMENT:

The assumption of the Ronald Wastewater District (RWD) requires that the City assume engineering duties that RWD currently performs. RWD has long contracted with David Evans and Associates (DEA) (previously as CHS Engineers prior to their acquisition by DEA) to act as the "District Engineer" for the District. In this role, DEA has unique knowledge of the District's system, engineering practices and ongoing projects.

Staff have negotiated an agreement in an amount of \$2,273,700 for wastewater engineering services with DEA to continue District Engineer duties while the City develops staff to assume these duties in-house in the future. The agreement addresses operational support and capital projects that are underway or anticipated to start soon. It utilizes task assignments and on-call services to manage the work and will have a two-year term. A management reserve is established to allow additional engineering services to address unanticipated work should it arise. Tonight, staff is seeking Council authorization for the City Manager to enter into this agreement with DEA.

RESOURCE/FINANCIAL IMPACT:

With assumption of the RWD, the City developed an amendment to the wastewater budget and CIP to incorporate funds RWD had established in their budget into the City budget. This budget amendment will be discussed in a separate item at this Council meeting. For this agreement, the budget amendment contains sufficient operational and capital funds for the work in the proposed agreement.

A significant portion of the work in this agreement is related to developer extensions where a developer enters into an agreement to add wastewater infrastructure that serves their development. This work is paid for by developers through the fees paid in their developer extension agreement and is not a cost to the wastewater rate payers.

RECOMMENDATION

Staff recommends that the City Council authorize the City Manager to execute an agreement with David Evans and Associates for Wastewater Engineering Services in the Amount of \$2,273,700.

Approved By: City Manager ***DT*** City Attorney ***MK***

BACKGROUND

The assumption of the RWD requires that the City assume engineering activities that RWD currently performs. RWD has long contracted with David Evans and Associates (DEA) (previously as CHS Engineers prior to their acquisition by DEA) to act as the "District Engineer" for the District. In this role DEA has unique knowledge of the District's system, engineering practices and ongoing projects.

At assumption there are a variety of projects and activities that are underway and need to continue or are expected to start soon, including but not limited to, developer extensions, capital project planning, design and construction, hydraulic modeling, maintenance and development review support.

DISCUSSION

The City's Public Works Department does not have staff to assume wastewater engineering duties at this time and has determined that contracting with DEA to perform these duties is in the best interest of the City. This is due to DEA's history with the wastewater system and ability to easily continue the projects and activities that are underway. In addition, DEA has the capability to address new issues that may arise in the contract period. During the period of this agreement, the Public Works Department will develop a staffing plan to assume these duties in-house for Council consideration.

The scope and fees in the agreement (Attachment A) are based on the current workplan and approved RWD budget for engineering services. The agreement addresses operational support and capital projects that are underway or anticipated to start soon that are specifically identified as activities RWD has assigned to DEA in the RWD budget or in their general practices where a specific budget item is not identified. With the uncertainty on the level of assistance needed and unforeseen items that may arise, a management reserve has been established in the contract (in addition to the developer extension management reserve discussed below). The agreement utilizes task assignments and on-call services to manage the work and will have a two-year term.

A significant portion of the work in this agreement is related to developer extensions, where a developer enters into an agreement to add wastewater infrastructure that serves their development. This work involves the development and management of the agreement, reviewing plans and construction, and accepting improvements for ownership by the City. With the high level of development occurring in the City, a management reserve has been established for this task to accommodate future developer extensions not included in this agreement. This work is paid for by developers through the fees paid in their developer extension agreement and is not a cost to the wastewater rate payers.

COUNCIL GOAL(S) ADDRESSED

This proposed agreement supports City Council Goal 2: Continue to deliver highly-valued public services through management of the City's infrastructure and stewardship

of the natural environment, and specifically Action Step #14: Complete the assumption of the Ronald Wastewater District in collaboration with the District.

RESOURCE/FINANCIAL IMPACT

With assumption of the RWD, the City developed an amendment to the wastewater budget and CIP to incorporate funds RWD had established in their budget into the City budget. This budget amendment will be discussed in a separate item at this Council meeting. For this agreement, the budget amendment contains sufficient operational and capital funds for the work in the proposed agreement.

A significant portion of the work in this agreement is related to developer extensions where a developer enters into an agreement to add wastewater infrastructure that serves their development. This work is paid for by developers through the fees paid in their developer extension agreement and is not a cost to the wastewater rate payers.

RECOMMENDATION

Staff recommends that the City Council authorize the City Manager to execute an agreement with David Evans and Associates for Wastewater Engineering Services in the Amount of \$2,273,700.

ATTACHMENTS

Attachment A - Scope of Work and Budget Summary for DEA Agreement

EXHIBIT A

City of Shoreline Wastewater Engineering Services
David Evans and Associates, Inc.

SCOPE OF SERVICES

The basis for this Scope of Services is the continuation of services as provided by Consultant to Ronald Wastewater District (RWD or District) prior to assumption of the District's system by the City of Shoreline.

This Scope of Services establishes work to be performed by the Consultant in the following tasks (including subtasks as referenced herein or identified in the attached Engineering Services Budget Summary). The tasks identified were previously started by the Consultant under a contract with the District or are anticipated to start in the term of the Agreement. Some tasks are identified to continue to either project completion or completion of a phase, and some tasks are on-call services.

Exhibit A and Agreement Section 2.A may be modified by written amendment to the Agreement to incorporate additional services necessary to complete an included project, to add a project or developer extension project, or to include additional or expanded on-call services.

As described below for Task 4, Management Reserve, additional services may be assigned by the City for completion under Task 4, with mutual written agreement of the scope, schedule and budget for such services to be conducted against this reserve budget amount, without need for an amendment to the Agreement.

As documented in a mutual written agreement, the City may allocate budget remaining in Tasks 1, 2 or 3, or any subtask of such Tasks, for services not yet completed and agreed to be not fully necessary, to completion of any other Task or subtask, without need for amendment of the Agreement, or without need to rely on use of budget from Task 4.

1. **Design, Design Review and Construction Support:** Continue ongoing design, design review and construction support services for developer extension (DE) projects and capital projects in progress. DE and capital projects in progress and their associated construction support services are listed in tables below and the attached Budget Summary.

1.a. Developer Extension Projects - Design Review and Construction Support Services

Provide engineering services to review and recommend for acceptance to the City on developer extension plans, perform construction observations, review easement documents, prepare easement documents, and complete DE administrative activities related to easements, bonds, warranties, and DE closeout. The table below indicates

the anticipated work on the developer extension projects in progress and the Budget Summary presents the associated subtask estimated budget. Numbers following the DE name indicate the RWD general ledger (GL) number. Budgets assigned are estimates only. DEA and the City will increase the budget as appropriate if it appears that the budget will be exceeded.

Subtask	Developer Extension Name	A	B	C	D	E	F	G
1a.1	15 th Ave Apartments 250-47		X	X	X	X	X	X
1a.2	Alexan 250-49		X	X	X	X	X	X
1a.3	Einstein Middle School 250-52		X	X	X	X	X	X
1a.4	Kellogg Middle School 250-53		X	X	X	X	X	X
1a.5	MGP XII (City/MGP) 250-54		X	X	X	X	X	X
1a.6	Crux Aurora 250-55	X	X	X	X	X	X	X
1a.7	Shoreline 145 th 250-56	X	X	X	X	X	X	X
1a.8	Quinn Ballinger 250-57	X	X	X	X	X	X	X
1a.9	Shoreline Assemblage 250-58	X	X	X	X	X	X	X
1a.10	Shea Property 188 th Aurora 250-59	X	X	X	X	X	X	X
1a.11	Shoreline Place (Sears Complex) 250-50	X	X	X	X	X	X	X
1a.12	ST Light Rail 2019 ¹ 330-89		X	X	X	X	X	X
1a.13	Vail 2 250-60		X	X	X	X	X	X
1a.14	Shea Property Ph.2 188 th Aurora 250-62 (pending)	X	X	X	X	X	X	X
1a.15	358 Degrees Westminster 250-63 (pending)	X	X	X	X	X	X	X
1a.16	5 Degrees Townhomes 250-61	X	X	X	X	X	X	X

Construction support services for DEs include the following actions:

- A. Design Review
- B. Construction observation, including observation of testing, preparation of punch list and confirmation of completion of field work.
- C. Review of legal descriptions and preparation of easements
- D. Review of record drawings
- E. Preparation of bill of sale and certification of cost
- F. Preparation of maintenance bond or security document
- G. Warranty period observation, direction for correction of deficiencies and confirmation of completion of such corrections and providing all documentation to the City at closeout.

Services for new or modified developer extension agreements shall be added to the Scope of Services by mutual written agreement as described in the introduction to the

¹ This project is managed in the same manner as a developer extension.

Scope of Services above. A management reserve within this task is established to cover the estimated cost of four to six additional developer extension agreements not included in the scope of this task. The city may allocate funds from one task to another task or allocate this management reserve to a task if insufficient funding remains in the task.

1.b. Capital Projects Design and Construction Support Services

Provide engineering services to continue the planning, design and construction support of the capital projects that have started, and the anticipated new capital projects as listed below. The table below indicates the anticipated work on the capital projects in progress and the Budget Summary presents the associated subtask estimated budget.

Sub-task	Capital Project	H	I	J	K	L	M
1b.1	LS 4 Force Main Replacement Status: contract awarded to Harkness Construction in February 2021 with construction anticipated to start in March 2021 under RWD. Scope is for continuing construction support services.		X	X	X	X	X
1b.2	145 th Trunk Sewer (GL 330-94) Status: capital project in Sound Transit construction package with anticipated start in summer 2021. Scope is for construction support services.		X	X	X	X	X
1b.3	LS 12 Controls Status: in design by DEA and DEA subconsultant RJC ENGINEERING, PLLC with advertisement for bid targeted in late spring 2021. Scope is for development of City bid package and construction support services.	X	X	X	X	X	X
1b.4	Cathodic Protection at LS 1,2,4,5,7,8,9,11&13 Status: in design – design by RWD subconsultant Norton Corrosion with support from DEA, with advertisement targeted for bid late spring 2021. DEA scope is for management of development of a City bid package and construction support services.	X	X	X	X	X	X
1b.5	Seismic retrofit of garage building Status: predesign report being developed by Reid Middleton as a consultant to RWD, the contract will transfer to the City at assumption. Reid Middleton scheduled to complete in late spring 2021. DEA scope is to manage completion of the predesign report. Upon	X	X	X	X	X	X

	written authorization from the City, future scope authorization may add review of design improvements, bid and construction support services, etc. The subtask estimated budget in the Budget Summary is based on the current understanding of the project.						
1b.6	Corridor CIP 145th, 175th, 185th coordination on sewer related issues. Status; coordinating and predesign evaluation on 145 th 175 th and 185 th corridors and 145 th interchange projects. If the predesign evaluation is ongoing at the start of the Agreement, additional services and a budget adjustment may be necessary. The subtask estimated budget in the Budget Summary is based on a replacement of approximately 1,000 feet of sewer main. If the final project configuration is substantively greater, then a budget adjustment to this task will be necessary. Upon written authorization from the City, the project will include design, bid and construction support services, etc.	X	X	X		X	X
1b.7	148th Pedestrian Bridge coordination on sewer related issues. Status; coordination and review of City pedestrian bridge project. Future task: Upon written authorization from the City, a scope and budget will be prepared for relocating a sewer line, the project may include design, bid and construction support services, etc. from DEA.	X	X	X		X	X
1b.8	Standard Operating Procedures (SOPs) on Emergent Situations (Emergency Response) Status: Update of Emergent Saturations SOPs are being developed by DFK under a RWD consultant contract, the contract will transfer to the City at assumption. DEA scope is to manage contract and provide information supporting the update. The SOP update is anticipated to be completed in the spring.	X	X				
1b.9	General Facility Charge (GFC) update Status: Update of GFC is being developed by FCS GROUP under a RWD consultant contract, the contract will transfer to the City at assumption. DEA scope is to manage contract and provide information supporting the update. The GFC update is anticipated to be completed in the spring 2021.	X	X				

Design and construction support services for capital projects include the following actions:

- H. Design and/or design review with preparation of construction bid package for advertisement by City for projects to be advertised.
- I. Shop drawing and submittal review

- J. Construction observation, including observation of testing, preparation of punch list and confirmation of completion of field work
- K. Preparation of contract change orders, monthly pay estimates, final pay estimates and construction completion reports to State of Washington
- L. Preparation of record drawings and update of wastewater system maps and GIS database to reflect project changes
- M. Warranty period observation, direction for correction of deficiencies and confirmation of completion of such corrections and providing construction support services documentation to the City at closeout

2. **Completion of Design and Construction Support:** Complete or start design, preparation of plans, contract documents and construction cost estimate for the following capital projects. The list below provides the status, anticipated work on the projects and the Budget Summary presents the associated subtask estimated budget. Projects 2.a., 2.d., and 2.e. are further defined in the Ronald Wastewater District Comprehensive Sewer Plan. The planned schedule for completion of each design is indicated in parenthesis.

2.a. O&M CIP Ridgecrest 5 (2021)

Status: Design started with goal to advertise for bid winter 2021-2022. Project design will follow City standards, bid documents shall follow City format and requirements for bid advertisement by the City, construction management and project closeout will follow the City process.

2.b. Small Works System Repairs (2021/2022)

Status: This task has ongoing small works projects (usually under \$50,000 value for construction cost) in various stages of design and construction. The Budget Summary estimate is based on preparation of 16 total future projects. Future task authorizations may be made for emerging issues. For projects to bid after assumption, project design will follow City standards with bid documents and shall be developed in a format for either a City Job Order Contract (JOC) or small work roster. Consultant may also provide construction management and project closeout following the City process.

2.c. Storm Creek Repairs (2021/2022)

Status: Not started; scope and budget included and require direction to proceed by City. Future tasks authorizations may include design review of City Project and construction observation (1/2 day) of interim improvements to stabilize Storm Creek.

2.d. NE 200th St Sewer Line Improvements – Hyd. CIP (2022) – Status: Not started; scope and budget included and require direction to proceed by City. This

task supports a potential capacity driven design and construction project of 630 feet of sewer main as described in the 2020 CSP.

Future tasks authorization may start design with goal to construct in 2022. Project design will follow City standards, bid documents shall follow City format and requirements for bid advertisement by the City, construction management and project closeout follow the City process.

2.e. 25th Ave NE Sewer Line Improvements – Hyd. CIP (2022) - Status: Not started; scope and budget included and require direction to proceed by City. This task supports a potential capacity driven design and construction project of 1322 feet of sewer main as described in the 2020 CSP

Future tasks authorization may start design with goal to construct in 2022. Project design will follow City standards, bid documents follow City format and requirements for bid advertisement by the City, construction management and project closeout follow the City process

3. On-Call Services

The Consultant will provide engineering services to the City on an on-call basis for the term of the Agreement, subject to the estimated subtask budget limitation in the attached Budget Summary, for the following subtasks.

3.a. Maintenance Support - Provide engineering services to support system maintenance staff, and support for operation and maintenance of the system's grinder pump system, lift stations and associated standby generators.

3.b. Development Review Assistance – Provide engineering services to support system development review staff for the following actions applicable to the wastewater system:

- Review development applications and recommend requirements for sewer system extensions or upgrades
- Review proposed construction plans for sewer system extensions or upgrades
- Review proposed miscellaneous sewer system connections and grinder pump connections

3.c. Comprehensive Sewer Plan Update - Provide engineering services necessary to compile and review agency comments on the District's 2020 Comprehensive Sewer Plan (CSP), draft proposed revisions for City review, and integrate revisions into a revised CSP, or prepare an amendment to the CSP, for adoption by the City. Once a revised CSP or CSP Amendment is adopted, submit to the review agencies for final approval. Comments and draft revisions will be prepared within 90 days of receipt or end of agency review period, as extended if requested by any review agency. Submittal of revised CSP or CSP Amendment will be made within 14 days of adoption by the City.

3.d. Hydraulic Model Updates

3.d.1 Provide engineering services requested to prepare and complete updates to the system hydraulic model as completed in support of the 2020 Comprehensive Sewer Plan. Updates may include adjustment of inflow and infiltration rates, sanitary flow rates, land use and/or development density and system improvements or planning for alternative system improvements. Provide support for City staff to understand the use of the model and its critical inputs and use of analysis results.

3.d.2 Inflow and infiltration (I/I) Study – Provide engineering services to continue to support implementation of the I/I flow monitoring and data analysis program.

3.e General Engineering – Provide engineering services requested in support of administration of the wastewater system including but not limited to the following services:

- Prepare annual estimate of Seattle Public Utilities (SPU) system replacement costs for City Finance department
- Update sewer system maps and sewer system GIS database as new information is gathered
- Prepare estimates of grinder pump system costs for operation and maintenance and for future replacement.
- Review documents relevant to the system provided to the City from other agency (e.g. proposed projects in the vicinity of system assets, operational or contract documents from King County, City of Edmonds or other agencies with contracts for local sewer service, SEPA checklists, other comprehensive sewer plans and similar materials)
- Review proposed easement legal descriptions, prepare easement and agreement documents and support execution by appropriate parties, for projects other than developer extensions
- Support acquisition of King County Franchise and WSDOT Airspace agreements
- Support updates to wastewater system standards and codes
- Participate in and support City meetings regarding the system
- Transfer District engineering services project files, reports, mapping and related materials that DEA holds to the City
- Provide other on-call services to assist with issues not identified in this scope of services.

4. Management Reserve

A management reserve is established in this Agreement for the amount indicated in the Budget Summary for potential additional tasks to be assigned to Consultant by the City, for additional services in Tasks 1, 2 or 3, or for other desired services. Such additional services shall be documented by mutual written agreement of the scope, schedule and budget for such services to be conducted against this reserve budget amount, without need for an amendment to the Agreement. The total amount of

additional services assigned to be conducted against this reserve budget amount shall not exceed the total amount indicated in the Budget Summary for Task 4. The city may allocate remaining unallocated funds from one task to another task or allocate this management reserve to a task if insufficient funding remains in the task.

Project Management:

Project management is included in the Tasks above. For project management, the Consultant will:

- Provide management oversight and quality control for delivery of all engineering services.
- Provide a monthly status report on all tasks and subtasks that includes the status, work done last month, work anticipated in the next month and identify issues slowing delivery of the services. The report will be submitted with the invoice and the invoice shall not be considered complete and payable without the status report.
- Meet with, as needed, City staff on issues associated with the projects and to review the monthly status report. For budgeting purposes, one meeting per month for the term of the Agreement is anticipated.
- Where appropriate, identify procedures for project implementation matching evolving State of Washington COVID-19 safety protocols.
- Provide project reports, design and construction documentation to the City (if not called out separately in the Budget Summary)

Attachments:

- David Evans and Associates, Inc. 2021-2022 Puget Sound Region Hourly Billing Rates (subject to adjustment March 1, 2022)
- David Evans and Associates, Inc. Engineering Services Budget Summary

Exhibit A

City of Shoreline Wastewater Engineering Services David Evans and Associates, Inc.				
ENGINEERING SERVICES BUDGET SUMMARY				
Task	Subtask	Description	Subtask Budget	Task Budget
1		Design, Design Review and Construction Support		\$360,600.00
	1a	Developer Extension Projects - Design Review and Construction Support Services		
	1a.1	15th Ave Apts DE 250-47	\$5,300	
	1a.2	Alexan DE 250-49	\$5,300	
	1a.3	Einstein MS DE 250-42	\$3,100	
	1a.4	Kellogg MS DE 250-53	\$2,000	
	1a.5	MGP XII DE 250-54	\$4,400	
	1a.6	Crux Aurora DE 250-55	\$6,400	
	1a.7	Shoreline 145th DE 250-56	\$23,900	
	1a.8	Quinn Ballinger DE 250-57	\$26,300	
	1a.9	Shoreline Assemblage 8th DE 250-58	\$31,500	
	1a.10	Shea Prop 188th Aurora DE 250-59	\$17,200	
	1a.11	Shoreline Place (Sears Complex) DE 250-50	\$63,300	
	1a.12	ST Light Rail 2019 GL330-89 (on call) 330-89	\$56,100	
	1a.13	Vail 2 DE 250-60	\$9,000	
	1a.14	Shea Prop Ph. 2 DE (pending) 250-62	\$5,400	
	1a.15	358 Degrees DE (pending) 250-63	\$35,400	
	1a.16	5 Degrees Townhomes DE 250-61	\$66,000	
		DE Management Reserve		\$200,000.00
	1b	Capital Projects Design and Construction Support Services		\$688,600.00
	1b.1	LS 4 FM Replace. Construction Eng. - award to contractor Feb. construction start March 2021	\$83,000	
	1b.2	145TH Trunk Sewer GL 330-94 - Proj in Sound Transit package, they construct, City to insp. and pay for construction. Start summer 2021	\$74,500	
	1b.3	LS 12 Controls - in design, ad for bid late spring 2021	\$42,900	
	1b.4	Cathodic Protection LS - in design by Norton Corrosion, ad for bid late spring 2021	\$92,700	
	1b.5	Seismic retrofit of garage building - predesign report due late spring, by Reid Middleton	\$138,600	
	1b.6	Corridor CIP 145th, 175th, 185th - City projects, in review for sewer related issues, place holder	\$133,000	
	1b.7	148th Pedestrian Bridge - City project. in review for sewer related issues, place holder	\$75,500	
	1b.8	SOP Procedures - in process by DKF, done spring 2021, DEA provides info	\$16,100	
	1b.9	GFC - w/FCSG - in process by FCSG, done spring 2021, DEA provides info	\$32,300	
2		Completion of Design and Construction Support		\$644,500.00
	2.a	O&M CIP Ridgecrest 5 (2021) - just starting design for ad to bid winter 21-22	\$309,100	
	2.b	Small Works System Repairs (2021/2022) - ongoing small projects in various stages, usually under \$50K constr.	\$64,700	
	2.c	Storm Creek Repairs (2022) - possible interim help to City	\$6,900	
	2.d	NE 200th St Hyd CIP (2022) - potential capacity driven design and construction project	\$97,400	
	2.e	25th Ave NE Hyd CIP (2022) - potential capacity driven design and construction project	\$166,400	
3		On-Call Services (2 years)		\$280,000.00
	3a	Maintenance Assistance (On-call Service)	\$20,000	
	3b	Development Review Assistance (On-call Service)	\$20,000	
	3c	Sewer Comp Plan	\$10,000	
	3d.1	Hydraulic Modeling yearly updates	\$50,000	
	3d.2	I/I study - ongoing	\$60,000	
	3e	General Engineering (On-call Service)	\$110,000	
	3f	Documentation Transfer (On-call Service)	\$10,000	
		Total - Tasks 1, 2 and 3		\$2,173,700.00
4		Management Reserve		\$100,000.00
		Maximum Total Compensation		\$2,273,700.00

David Evans and Associates, Inc.

Project Fee Estimate
15th Ave APTS DE 250-47

Project Number **thrl**
Date **2/1/2021**
Prepared By **SC**

Estimated DEA Labor - Civil Engineering and Land Surveying Services									
Task/Subtask (1)	Personnel Positions and Hourly Billing Rates						DEA Labor		Total - w/ Subs., Exp. & Rounding
	Project Manager	Survey Manager	Project Engineer	Design Engineer	CAD/GIS Technician	Admin. Assistant	Total Hours	Total Est. Fee	
	\$219.00	\$218.00	\$162.00	\$137.00	\$129.00	\$100.00			
1 Project Management							6	\$1,314.00	\$1,318.65
1.1 Project Planning							0	\$0.00	
1.2 Monitoring and Control							0	\$0.00	
1.3 Project Closeout	4						4	\$876.00	
1.4 Meetings and Coordination	2						2	\$438.00	
1.5							0	\$0.00	
1.6							0	\$0.00	
1.7							0	\$0.00	
1.8							0	\$0.00	
2 Construction Administration							0	\$0.00	\$0.00
2.1 Permits							0	\$0.00	
2.2 Notice to Proceed							0	\$0.00	
2.3 Preconstruction Conference							0	\$0.00	
2.4 Pay Estimates							0	\$0.00	
2.5 Final Acceptance							0	\$0.00	
2.6 Meetings and Coordination							0	\$0.00	
2.7							0	\$0.00	
2.8							0	\$0.00	
3 Construction Engineering							18	\$2,388.00	\$2,396.46
3.1 Submittal Review			2				2	\$324.00	
3.2 RFI Review							0	\$0.00	
3.3 Change Management							0	\$0.00	
3.4 Construction Observation and Reports					16		16	\$2,064.00	
3.5 Testing Report Review							0	\$0.00	
3.6 Post-Const. Observation							0	\$0.00	
3.7 Meetings and Coordination							0	\$0.00	
3.8							0	\$0.00	
4 Project Closeout Services							10	\$1,380.00	\$1,384.89
4.1 Testing/Startup/Commission					4		4	\$516.00	
4.2 Punchlist/Final Acceptance					4		4	\$516.00	
4.3 Record Drawings/System Maps					1		1	\$129.00	
4.4 Meetings and Coordination	1						1	\$219.00	
Total	7	0	2	0	25	0	34	\$5,082.00	\$5,100.00

Estimated Direct Expenses	
Mileage & Reproduction	\$200
Total	\$200

Project Fee Estimate Summary and Total	
Total Estimated Labor	\$5,082
Total Estimated Expenses	\$200
Total Fee Estimate (Rounded)	\$5,300

Notes and Assumptions:

- (1) Scope of Work is for document review per element with time allocated above, for conformance with City standards.
- (2) All hours and expenses are estimated, and may be increased or decreased within the total budget limit at the discretion of DEA's project manager. The DEA project manager may transfer budget from estimated expenses to labor and vice versa, as the project manager may determine as appropriate. Work will be billed on a time and expense basis, subject to the limit of the not-to-exceed Total Fee Estimate (Rounded) value.
- (3) Client shall be responsible for direct payment of all permit, agency review, advertisement, service or other project expenses not expressly included in the Project Fee Estimate and/or Scope of Work.

David Evans and Associates, Inc.

Project Fee Estimate

Alexan DE 250-49

Project Number

tbd

Date

2/1/2021

Prepared By

SC

Estimated DEA Labor - Civil Engineering and Land Surveying Services									
Task/Subtask (1)	Personnel Positions and Hourly Billing Rates						DEA Labor		Total - w/ Subs., Exp. & Rounding
	Project Manager	Survey Manager	Project Engineer	Design Engineer	CAD/GIS Technician	Admin. Assistant	Total Hours	Total Est. Fee	
	\$219.00	\$218.00	\$162.00	\$137.00	\$129.00	\$100.00			
1 Project Management							6	\$1,314.00	\$1,318.65
1.1 Project Planning							0	\$0.00	
1.2 Monitoring and Control							0	\$0.00	
1.3 Project Closeout	4						4	\$876.00	
1.4 Meetings and Coordination	2						2	\$438.00	
1.5							0	\$0.00	
1.6							0	\$0.00	
1.7							0	\$0.00	
1.8							0	\$0.00	
2 Construction Administration							0	\$0.00	\$0.00
2.1 Permits							0	\$0.00	
2.2 Notice to Proceed							0	\$0.00	
2.3 Preconstruction Conference							0	\$0.00	
2.4 Pay Estimates							0	\$0.00	
2.5 Final Acceptance							0	\$0.00	
2.6 Meetings and Coordination							0	\$0.00	
2.7							0	\$0.00	
2.8							0	\$0.00	
3 Construction Engineering							18	\$2,388.00	\$2,396.46
3.1 Submittal Review			2				2	\$324.00	
3.2 RFI Review							0	\$0.00	
3.3 Change Management							0	\$0.00	
3.4 Construction Observation and Reports					16		16	\$2,064.00	
3.5 Testing Report Review							0	\$0.00	
3.6 Post-Const. Observation							0	\$0.00	
3.7 Meetings and Coordination							0	\$0.00	
3.8							0	\$0.00	
4 Project Closeout Services							10	\$1,380.00	\$1,384.89
4.1 Testing/Startup/Commission					4		4	\$516.00	
4.2 Punchlist/Final Acceptance					4		4	\$516.00	
4.3 Record Drawings/System Maps					1		1	\$129.00	
4.4 Meetings and Coordination	1						1	\$219.00	
Total	7	0	2	0	25	0	34	\$5,082.00	\$5,100.00

Estimated Direct Expenses	
Mileage & Reproduction	\$200
Total	\$200

Project Fee Estimate Summary and Total	
Total Estimated Labor	\$5,082
Total Estimated Expenses	\$200
Total Fee Estimate (Rounded)	\$5,300

Notes and Assumptions:

- (1) Scope of Work is for document review per element with time allocated above, for conformance with City standards.
- (2) All hours and expenses are estimated, and may be increased or decreased within the total budget limit at the discretion of DEA's project manager. The DEA project manager may transfer budget from estimated expenses to labor and vice versa, as the project manager may determine as appropriate. Work will be billed on a time and expense basis, subject to the limit of the not-to-exceed Total Fee Estimate (Rounded) value.
- (3) Client shall be responsible for direct payment of all permit, agency review, advertisement, service or other project expenses not expressly included in the Project Fee Estimate and/or Scope of Work.

David Evans and Associates, Inc.

Project Fee Estimate
Einstein MS DE DE 250-52

Project Number **tbd**
 Date **2/1/2021**
 Prepared By **SC**

Estimated DEA Labor - Civil Engineering and Land Surveying Services									
Task/Subtask (1)	Personnel Positions and Hourly Billing Rates						DEA Labor		Total - w/ Subs., Exp. & Rounding
	Project Manager	Survey Manager	Project Engineer	Design Engineer	CAD/GIS Technician	Admin. Assistant	Total Hours	Total Est. Fee	
	\$219.00	\$218.00	\$162.00	\$137.00	\$129.00	\$100.00			
1 Project Management							4	\$876.00	\$863.99
1.1 Project Planning							0	\$0.00	
1.2 Monitoring and Control							0	\$0.00	
1.3 Project Closeout	2						2	\$438.00	
1.4 Meetings and Coordination	2						2	\$438.00	
1.5							0	\$0.00	
1.6							0	\$0.00	
1.7							0	\$0.00	
1.8							0	\$0.00	
2 Construction Administration							0	\$0.00	\$0.00
2.1 Permits							0	\$0.00	
2.2 Notice to Proceed							0	\$0.00	
2.3 Preconstruction Conference							0	\$0.00	
2.4 Pay Estimates							0	\$0.00	
2.5 Final Acceptance							0	\$0.00	
2.6 Meetings and Coordination							0	\$0.00	
2.7							0	\$0.00	
2.8							0	\$0.00	
3 Construction Engineering							8	\$1,032.00	\$1,017.85
3.1 Submittal Review							0	\$0.00	
3.2 RFI Review							0	\$0.00	
3.3 Change Management							0	\$0.00	
3.4 Construction Observation and Reports					8		8	\$1,032.00	
3.5 Testing Report Review							0	\$0.00	
3.6 Post-Const. Observation							0	\$0.00	
3.7 Meetings and Coordination							0	\$0.00	
3.8							0	\$0.00	
4 Project Closeout Services							7	\$1,083.00	\$1,068.15
4.1 Testing/Startup/Commission					1		1	\$129.00	
4.2 Punchlist/Final Acceptance					2		2	\$258.00	
4.3 Record Drawings/System Maps	1				2		3	\$477.00	
4.4 Meetings and Coordination	1						1	\$219.00	
Total	6	0	0	0	13	0	19	\$2,991.00	\$2,950.00

Estimated Direct Expenses	
Mileage & Reproduction	\$150
Total	\$150

Project Fee Estimate Summary and Total	
Total Estimated Labor	\$2,991
Total Estimated Expenses	\$150
Total Fee Estimate (Rounded)	\$3,100

Notes and Assumptions:

(1) Scope of Work is for document review per element with time allocated above, for conformance with City standards.

(2) All hours and expenses are estimated, and may be increased or decreased within the total budget limit at the discretion of DEA's project manager. The DEA project manager may transfer budget from estimated expenses to labor and vice versa, as the project manager may determine as appropriate. Work will be billed on a time and expense basis, subject to the limit of the not-to-exceed Total Fee Estimate (Rounded) value.

(3) Client shall be responsible for direct payment of all permit, agency review, advertisement, service or other project expenses not expressly included in the Project Fee Estimate and/or Scope of Work.

David Evans and Associates, Inc.

Project Fee Estimate

Kellogg MSDE 250-53

Project Number tbd

Date 2/1/2021

Prepared By SC

Estimated DEA Labor - Civil Engineering and Land Surveying Services									
Task/Subtask (1)	Personnel Positions and Hourly Billing Rates						DEA Labor		Total - w/ Subs., Exp. & Rounding
	Project Manager	Survey Manager	Project Engineer	Design Engineer	CAD/GIS Technician	Admin. Assistant	Total Hours	Total Est. Fee	
	\$219.00	\$218.00	\$162.00	\$137.00	\$129.00	\$100.00			
1	Project Management						4	\$876.00	\$890.53
1.1	Project Planning						0	\$0.00	
1.2	Monitoring and Control						0	\$0.00	
1.3	Project Closeout	2					2	\$438.00	
1.4	Meetings and Coordination	2					2	\$438.00	
1.5							0	\$0.00	
1.6							0	\$0.00	
1.7							0	\$0.00	
1.8							0	\$0.00	
2	Construction Administration						0	\$0.00	\$0.00
2.1	Permits						0	\$0.00	
2.2	Notice to Proceed						0	\$0.00	
2.3	Preconstruction Conference						0	\$0.00	
2.4	Pay Estimates						0	\$0.00	
2.5	Final Acceptance						0	\$0.00	
2.6	Meetings and Coordination						0	\$0.00	
2.7							0	\$0.00	
2.8							0	\$0.00	
3	Construction Engineering						2	\$258.00	\$262.28
3.1	Submittal Review						0	\$0.00	
3.2	RFI Review						0	\$0.00	
3.3	Change Management						0	\$0.00	
3.4	Construction Observation and Reports					2	2	\$258.00	
3.5	Testing Report Review						0	\$0.00	
3.6	Post-Const. Observation						0	\$0.00	
3.7	Meetings and Coordination						0	\$0.00	
3.8							0	\$0.00	
4	Project Closeout Services						5	\$735.00	\$747.19
4.1	Testing/Startup/Commission					1	1	\$129.00	
4.2	Punchlist/Final Acceptance					2	2	\$258.00	
4.3	Record Drawings/System Maps					1	1	\$129.00	
4.4	Meetings and Coordination	1					1	\$219.00	
	Total	5	0	0	0	6	11	\$1,869.00	\$1,900.00

Estimated Direct Expenses	
Mileage & Reproduction	\$100
Total	\$100

Project Fee Estimate Summary and Total	
Total Estimated Labor	\$1,869
Total Estimated Expenses	\$100
Total Fee Estimate (Rounded)	\$2,000

Notes and Assumptions:

- (1) Scope of Work is for document review per element with time allocated above, for conformance with City standards.
- (2) All hours and expenses are estimated, and may be increased or decreased within the total budget limit at the discretion of DEA's project manager. The DEA project manager may transfer budget from estimated expenses to labor and vice versa, as the project manager may determine as appropriate. Work will be billed on a time and expense basis, subject to the limit of the not-to-exceed Total Fee Estimate (Rounded) value.
- (3) Client shall be responsible for direct payment of all permit, agency review, advertisement, service or other project expenses not expressly included in the Project Fee Estimate and/or Scope of Work.

David Evans and Associates, Inc.

Project Fee Estimate

MGP XII DE 250-54

Project Number

thrl

Date

2/1/2021

Prepared By

SC

Estimated DEA Labor - Civil Engineering and Land Surveying Services									
Task/Subtask (1)	Personnel Positions and Hourly Billing Rates						DEA Labor		Total - w/ Subs., Exp. & Rounding
	Project Manager	Survey Manager	Project Engineer	Design Engineer	CAD/GIS Technician	Admin. Assistant	Total Hours	Total Est. Fee	
	\$219.00	\$218.00	\$162.00	\$137.00	\$129.00	\$100.00			
1 Project Management							6	\$1,314.00	\$1,302.83
1.1 Project Planning							0	\$0.00	
1.2 Monitoring and Control							0	\$0.00	
1.3 Project Closeout	4						4	\$876.00	
1.4 Meetings and Coordination	2						2	\$438.00	
1.5							0	\$0.00	
1.6							0	\$0.00	
1.7							0	\$0.00	
1.8							0	\$0.00	
2 Construction Administration							0	\$0.00	\$0.00
2.1 Permits							0	\$0.00	
2.2 Notice to Proceed							0	\$0.00	
2.3 Preconstruction Conference							0	\$0.00	
2.4 Pay Estimates							0	\$0.00	
2.5 Final Acceptance							0	\$0.00	
2.6 Meetings and Coordination							0	\$0.00	
2.7							0	\$0.00	
2.8							0	\$0.00	
3 Construction Engineering							9	\$1,194.00	\$1,183.85
3.1 Submittal Review			1				1	\$162.00	
3.2 RFI Review							0	\$0.00	
3.3 Change Management							0	\$0.00	
3.4 Construction Observation and Reports					8		8	\$1,032.00	
3.5 Testing Report Review							0	\$0.00	
3.6 Post-Const. Observation							0	\$0.00	
3.7 Meetings and Coordination							0	\$0.00	
3.8							0	\$0.00	
4 Project Closeout Services							12	\$1,728.00	\$1,713.31
4.1 Testing/Startup/Commission					2		2	\$258.00	
4.2 Punchlist/Final Acceptance					4		4	\$516.00	
4.3 Record Drawings/System Maps	1				4		5	\$735.00	
4.4 Meetings and Coordination	1						1	\$219.00	
Total	8	0	1	0	18	0	27	\$4,236.00	\$4,200.00

Estimated Direct Expenses	
Mileage & Reproduction	\$200
Total	\$200

Project Fee Estimate Summary and Total	
Total Estimated Labor	\$4,236
Total Estimated Expenses	\$200
Total Fee Estimate (Rounded)	\$4,400

Notes and Assumptions:

- (1) Scope of Work is for document review per element with time allocated above, for conformance with City standards.
- (2) All hours and expenses are estimated, and may be increased or decreased within the total budget limit at the discretion of DEA's project manager. The DEA project manager may transfer budget from estimated expenses to labor and vice versa, as the project manager may determine as appropriate. Work will be billed on a time and expense basis, subject to the limit of the not-to-exceed Total Fee Estimate (Rounded) value.
- (3) Client shall be responsible for direct payment of all permit, agency review, advertisement, service or other project expenses not expressly included in the Project Fee Estimate and/or Scope of Work.

David Evans and Associates, Inc.

Project Fee Estimate
Crux Aurora DE 250-55

Project Number **tbd**

Date **2/1/2021**

Prepared By **SC**

Estimated DEA Labor - Civil Engineering and Land Surveying Services									
Task/Subtask (1)	Personnel Positions and Hourly Billing Rates						DEA Labor		Total - w/ Subs., Exp. & Rounding
	Project Manager	Survey Manager	Project Engineer	Design Engineer	CAD/GIS Technician	Admin. Assistant	Total Hours	Total Est. Fee	
	\$219.00	\$218.00	\$162.00	\$137.00	\$129.00	\$100.00			
1 Project Management							10	\$2,190.00	\$2,175.96
1.1 Project Planning							0	\$0.00	
1.2 Monitoring and Control							0	\$0.00	
1.3 Project Closeout	4						4	\$876.00	
1.4 Meetings and Coordination	2						2	\$438.00	
1.5							0	\$0.00	
1.6 Design Review	4						4	\$876.00	
1.7							0	\$0.00	
1.8							0	\$0.00	
2 Construction Administration							4	\$876.00	\$870.38
2.1 Permits							0	\$0.00	
2.2 Notice to Proceed							0	\$0.00	
2.3 Preconstruction Conference	4						4	\$876.00	
2.4 Pay Estimates							0	\$0.00	
2.5 Final Acceptance							0	\$0.00	
2.6 Meetings and Coordination							0	\$0.00	
2.7							0	\$0.00	
2.8							0	\$0.00	
3 Construction Engineering							10	\$1,356.00	\$1,347.31
3.1 Submittal Review			2				2	\$324.00	
3.2 RFI Review							0	\$0.00	
3.3 Change Management							0	\$0.00	
3.4 Construction Observation and Reports					8		8	\$1,032.00	
3.5 Testing Report Review							0	\$0.00	
3.6 Post-Const. Observation							0	\$0.00	
3.7 Meetings and Coordination							0	\$0.00	
3.8							0	\$0.00	
4 Project Closeout Services							12	\$1,818.00	\$1,806.35
4.1 Testing/Startup/Commission					4		4	\$516.00	
4.2 Punchlist/Final Acceptance					4		4	\$516.00	
4.3 Record Drawings/System Maps	1				1		2	\$348.00	
4.4 Meetings and Coordination	2						2	\$438.00	
Total	17	0	2	0	17	0	36	\$6,240.00	\$6,200.00

Estimated Direct Expenses	
Mileage & Reproduction	\$200
Total	\$200

Project Fee Estimate Summary and Total	
Total Estimated Labor	\$6,240
Total Estimated Expenses	\$200
Total Fee Estimate (Rounded)	\$6,400

Notes and Assumptions:

- (1) Scope of Work is for document review per element with time allocated above, for conformance with City standards.
- (2) All hours and expenses are estimated, and may be increased or decreased within the total budget limit at the discretion of DEA's project manager. The DEA project manager may transfer budget from estimated expenses to labor and vice versa, as the project manager may determine as appropriate. Work will be billed on a time and expense basis, subject to the limit of the not-to-exceed Total Fee Estimate (Rounded) value.
- (3) Client shall be responsible for direct payment of all permit, agency review, advertisement, service or other project expenses not expressly included in the Project Fee Estimate and/or Scope of Work.

David Evans and Associates, Inc.

Project Fee Estimate
Shoreline 145th DE 250-56

Project Number **tbd**
 Date **2/1/2021**
 Prepared By **SC**

Estimated DEA Labor - Civil Engineering and Land Surveying Services									
Task/Subtask (1)	Personnel Positions and Hourly Billing Rates						DEA Labor		Total - w/ Subs., Exp. & Rounding
	Project Manager	Survey Manager	Project Engineer	Design Engineer	CAD/GIS Technician	Admin. Assistant	Total Hours	Total Est. Fee	
	\$219.00	\$218.00	\$162.00	\$137.00	\$129.00	\$100.00			
1 Project Management							14	\$3,066.00	\$3,067.31
1.1 Project Planning							0	\$0.00	
1.2 Monitoring and Control							0	\$0.00	
1.3 Project Closeout	4						4	\$876.00	
1.4 Meetings and Coordination	2						2	\$438.00	
1.5							0	\$0.00	
1.6 Design Review	8						8	\$1,752.00	
1.7							0	\$0.00	
1.8							0	\$0.00	
2 Construction Administration							8	\$1,752.00	\$1,752.75
2.1 Permits							0	\$0.00	
2.2 Notice to Proceed							0	\$0.00	
2.3 Preconstruction Conference	4						4	\$876.00	
2.4 Pay Estimates							0	\$0.00	
2.5 Final Acceptance	4						4	\$876.00	
2.6 Meetings and Coordination							0	\$0.00	
2.7							0	\$0.00	
2.8							0	\$0.00	
3 Construction Engineering							114	\$15,396.00	\$15,402.55
3.1 Submittal Review			6				6	\$972.00	
3.2 RFI Review			4				4	\$648.00	
3.3 Change Management							0	\$0.00	
3.4 Construction Observation and Reports	4				100		104	\$13,776.00	
3.5 Testing Report Review							0	\$0.00	
3.6 Post-Const. Observation							0	\$0.00	
3.7 Meetings and Coordination							0	\$0.00	
3.8							0	\$0.00	
4 Project Closeout Services							20	\$3,276.00	\$3,277.39
4.1 Testing/Startup/Commission					4		4	\$516.00	
4.2 Punchlist/Final Acceptance	1				6		7	\$993.00	
4.3 Record Drawings/System Maps	2				1		3	\$567.00	
4.4 Meetings and Coordination	4		2				6	\$1,200.00	
Total	33	0	12	0	111	0	156	\$23,490.00	\$23,500.00

Estimated Direct Expenses	
Mileage & Reproduction	\$400
Total	\$400

Project Fee Estimate Summary and Total	
Total Estimated Labor	\$23,490
Total Estimated Expenses	\$400
Total Fee Estimate (Rounded)	\$23,900

Notes and Assumptions:

- Scope of Work is for document review per element with time allocated above, for conformance with City standards.
- All hours and expenses are estimated, and may be increased or decreased within the total budget limit at the discretion of DEA's project manager. The DEA project manager may transfer budget from estimated expenses to labor and vice versa, as the project manager may determine as appropriate. Work will be billed on a time and expense basis, subject to the limit of the not-to-exceed Total Fee Estimate (Rounded) value.
- Client shall be responsible for direct payment of all permit, agency review, advertisement, service or other project expenses not expressly included in the Project Fee Estimate and/or Scope of Work.

David Evans and Associates, Inc.

Project Fee Estimate
Quinn Ballinger DE 250-57

Project Number **tbd**
 Date **2/1/2021**
 Prepared By **SC**

Estimated DEA Labor - Civil Engineering and Land Surveying Services									
Task/Subtask (1)	Personnel Positions and Hourly Billing Rates						DEA Labor		Total - w/ Subs., Exp. & Rounding
	Project Manager	Survey Manager	Project Engineer	Design Engineer	CAD/GIS Technician	Admin. Assistant	Total Hours	Total Est. Fee	
	\$219.00	\$218.00	\$162.00	\$137.00	\$129.00	\$100.00			
1 Project Management							14	\$3,066.00	\$3,064.34
1.1 Project Planning							0	\$0.00	
1.2 Monitoring and Control							0	\$0.00	
1.3 Project Closeout	4						4	\$876.00	
1.4 Meetings and Coordination	4						4	\$876.00	
1.5							0	\$0.00	
1.6 Design Review	6						6	\$1,314.00	
1.7							0	\$0.00	
1.8							0	\$0.00	
2 Construction Administration							8	\$1,638.00	\$1,637.12
2.1 Permits			2				2	\$324.00	
2.2 Notice to Proceed							0	\$0.00	
2.3 Preconstruction Conference	4						4	\$876.00	
2.4 Pay Estimates							0	\$0.00	
2.5 Final Acceptance							0	\$0.00	
2.6 Meetings and Coordination	2						2	\$438.00	
2.7							0	\$0.00	
2.8							0	\$0.00	
3 Construction Engineering							134	\$18,090.00	\$18,080.23
3.1 Submittal Review			4				4	\$648.00	
3.2 RFI Review			4				4	\$648.00	
3.3 Change Management							0	\$0.00	
3.4 Construction Observation and Reports	4				120		124	\$16,356.00	
3.5 Testing Report Review							0	\$0.00	
3.6 Post-Const. Observation							0	\$0.00	
3.7 Meetings and Coordination	2						2	\$438.00	
3.8							0	\$0.00	
4 Project Closeout Services							20	\$3,120.00	\$3,118.31
4.1 Testing/Startup/Commission					4		4	\$516.00	
4.2 Punchlist/Final Acceptance	1				4		5	\$735.00	
4.3 Record Drawings/System Maps	1				6		7	\$993.00	
4.4 Meetings and Coordination	4						4	\$876.00	
Total	32	0	10	0	134	0	176	\$25,914.00	\$25,900.00

Estimated Direct Expenses	
Mileage & Reproduction	\$400
Total	\$400

Project Fee Estimate Summary and Total	
Total Estimated Labor	\$25,914
Total Estimated Expenses	\$400
Total Fee Estimate (Rounded)	\$26,300

Notes and Assumptions:

- Scope of Work is for document review per element with time allocated above, for conformance with City standards.
- All hours and expenses are estimated, and may be increased or decreased within the total budget limit at the discretion of DEA's project manager. The DEA project manager may transfer budget from estimated expenses to labor and vice versa, as the project manager may determine as appropriate. Work will be billed on a time and expense basis, subject to the limit of the not-to-exceed Total Fee Estimate (Rounded) value.
- Client shall be responsible for direct payment of all permit, agency review, advertisement, service or other project expenses not expressly included in the Project Fee Estimate and/or Scope of Work.

David Evans and Associates, Inc.

Project Fee Estimate
Shoreline Assemblage 8th DE 250-58

Project Number **tbd**
 Date **2/1/2021**
 Prepared By **SC**

Estimated DEA Labor - Civil Engineering and Land Surveying Services									
Task/Subtask (1)	Personnel Positions and Hourly Billing Rates						DEA Labor		Total - w/ Subs., Exp. & Rounding
	Project Manager	Survey Manager	Project Engineer	Design Engineer	CAD/GIS Technician	Admin. Assistant	Total Hours	Total Est. Fee	
	\$219.00	\$218.00	\$162.00	\$137.00	\$129.00	\$100.00			
1 Project Management							20	\$4,380.00	\$4,377.46
1.1 Project Planning							0	\$0.00	
1.2 Monitoring and Control							0	\$0.00	
1.3 Project Closeout	8						8	\$1,752.00	
1.4 Meetings and Coordination	4						4	\$876.00	
1.5							0	\$0.00	
1.6 Design Review	8						8	\$1,752.00	
1.7							0	\$0.00	
1.8							0	\$0.00	
2 Construction Administration							6	\$1,314.00	\$1,313.24
2.1 Permits							0	\$0.00	
2.2 Notice to Proceed							0	\$0.00	
2.3 Preconstruction Conference	4						4	\$876.00	
2.4 Pay Estimates							0	\$0.00	
2.5 Final Acceptance	2						2	\$438.00	
2.6 Meetings and Coordination							0	\$0.00	
2.7							0	\$0.00	
2.8							0	\$0.00	
3 Construction Engineering							160	\$21,984.00	\$21,971.26
3.1 Submittal Review			4				4	\$648.00	
3.2 RFI Review	2		4				6	\$1,086.00	
3.3 Change Management							0	\$0.00	
3.4 Construction Observation and Reports	8				140		148	\$19,812.00	
3.5 Testing Report Review							0	\$0.00	
3.6 Post-Const. Observation							0	\$0.00	
3.7 Meetings and Coordination	2						2	\$438.00	
3.8							0	\$0.00	
4 Project Closeout Services							20	\$3,390.00	\$3,388.04
4.1 Testing/Startup/Commission					4		4	\$516.00	
4.2 Punchlist/Final Acceptance					4		4	\$516.00	
4.3 Record Drawings/System Maps	1				3		4	\$606.00	
4.4 Meetings and Coordination	8						8	\$1,752.00	
Total	47	0	8	0	151	0	206	\$31,068.00	\$31,050.00

Estimated Direct Expenses	
Mileage & Reproduction	\$450
Total	\$450

Project Fee Estimate Summary and Total	
Total Estimated Labor	\$31,068
Total Estimated Expenses	\$450
Total Fee Estimate (Rounded)	\$31,500

Notes and Assumptions:

- (1) Scope of Work is for document review per element with time allocated above, for conformance with City standards.
- (2) All hours and expenses are estimated, and may be increased or decreased within the total budget limit at the discretion of DEA's project manager. The DEA project manager may transfer budget from estimated expenses to labor and vice versa, as the project manager may determine as appropriate. Work will be billed on a time and expense basis, subject to the limit of the not-to-exceed Total Fee Estimate (Rounded) value.
- (3) Client shall be responsible for direct payment of all permit, agency review, advertisement, service or other project expenses not expressly included in the Project Fee Estimate and/or Scope of Work.

David Evans and Associates, Inc.

Project Fee Estimate
Shea Prop 188th DE 250-59

Project Number **tbd**
 Date **2/1/2021**
 Prepared By **SC**

Estimated DEA Labor - Civil Engineering and Land Surveying Services									
Task/Subtask (1)	Personnel Positions and Hourly Billing Rates						DEA Labor		Total - w/ Subs., Exp. & Rounding
	Project Manager	Survey Manager	Project Engineer	Design Engineer	CAD/GIS Technician	Admin. Assistant	Total Hours	Total Est. Fee	
	\$219.00	\$218.00	\$162.00	\$137.00	\$129.00	\$100.00			
1 Project Management							12	\$2,628.00	\$2,621.18
1.1 Project Planning							0	\$0.00	
1.2 Monitoring and Control							0	\$0.00	
1.3 Project Closeout	4						4	\$876.00	
1.4 Meetings and Coordination	2						2	\$438.00	
1.5							0	\$0.00	
1.6 Design Review	6						6	\$1,314.00	
1.7							0	\$0.00	
1.8							0	\$0.00	
2 Construction Administration							10	\$2,190.00	\$2,184.31
2.1 Permits							0	\$0.00	
2.2 Notice to Proceed							0	\$0.00	
2.3 Preconstruction Conference	8						8	\$1,752.00	
2.4 Pay Estimates							0	\$0.00	
2.5 Final Acceptance							0	\$0.00	
2.6 Meetings and Coordination	2						2	\$438.00	
2.7							0	\$0.00	
2.8							0	\$0.00	
3 Construction Engineering							70	\$9,702.00	\$9,676.81
3.1 Submittal Review				2			2	\$324.00	
3.2 RFI Review				2			2	\$324.00	
3.3 Change Management							0	\$0.00	
3.4 Construction Observation and Reports	6				60		66	\$9,054.00	
3.5 Testing Report Review							0	\$0.00	
3.6 Post-Const. Observation							0	\$0.00	
3.7 Meetings and Coordination							0	\$0.00	
3.8							0	\$0.00	
4 Project Closeout Services							16	\$2,424.00	\$2,417.71
4.1 Testing/Startup/Commission					4		4	\$516.00	
4.2 Punchlist/Final Acceptance	1				4		5	\$735.00	
4.3 Record Drawings/System Maps	1				4		5	\$735.00	
4.4 Meetings and Coordination	2						2	\$438.00	
Total	32	0	4	0	72	0	108	\$16,944.00	\$16,900.00

Estimated Direct Expenses	
Mileage & Reproduction	\$300
Total	\$300

Project Fee Estimate Summary and Total	
Total Estimated Labor	\$16,944
Total Estimated Expenses	\$300
Total Fee Estimate (Rounded)	\$17,200

Notes and Assumptions:

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- All hours and expenses are estimated, and may be increased or decreased within the total budget limit at the discretion of DEA's project manager. The DEA project manager may transfer budget from estimated expenses to labor and vice versa, as the project manager may determine as appropriate. Work will be billed on a time and expense basis, subject to the limit of the not-to-exceed Total Fee Estimate (Rounded) value.
- Client shall be responsible for direct payment of all permit, agency review, advertisement, service or other project expenses not expressly included in the Project Fee Estimate and/or Scope of Work.

David Evans and Associates, Inc.

Project Fee Estimate
Shoreline Place (Sears Complex) DE 250-50

Project Number **tbd**
 Date **2/1/2021**
 Prepared By **SC**

Task/Subtask (1)		Personnel Positions and Hourly Billing Rates					DEA Labor		Total - w/ Subs., Exp. & Rounding	
		Project Manager	Survey Manager	Project Engineer	Design Engineer	CAD/GIS Technician	Admin. Assistant	Total Hours		Total Est. Fee
		\$219.00	\$218.00	\$162.00	\$137.00	\$129.00	\$100.00			
1	Project Management							72	\$14,856.00	\$14,855.76
	1.1 Project Planning							0	\$0.00	
	1.2 Monitoring and Control							0	\$0.00	
	1.3 Project Closeout	8						8	\$1,752.00	
	1.4 Meetings and Coordination	8						8	\$1,752.00	
	1.5							0	\$0.00	
	1.6 Design Review	40		16				56	\$11,352.00	
	1.7							0	\$0.00	
	1.8							0	\$0.00	
2	Construction Administration							24	\$4,800.00	\$4,799.92
	2.1 Permits							0	\$0.00	
	2.2 Notice to Proceed							0	\$0.00	
	2.3 Preconstruction Conference	8		4				12	\$2,400.00	
	2.4 Pay Estimates							0	\$0.00	
	2.5 Final Acceptance							0	\$0.00	
	2.6 Meetings and Coordination	8		4				12	\$2,400.00	
	2.7							0	\$0.00	
	2.8							0	\$0.00	
3	Construction Engineering							257	\$37,029.00	\$37,028.40
	3.1 Submittal Review	1		6				7	\$1,191.00	
	3.2 RFI Review	2		8				10	\$1,734.00	
	3.3 Change Management			8				8	\$1,296.00	
	3.4 Construction Observation and Reports	24				200		224	\$31,056.00	
	3.5 Testing Report Review							0	\$0.00	
	3.6 Post-Const. Observation							0	\$0.00	
	3.7 Meetings and Coordination	8						8	\$1,752.00	
	3.8							0	\$0.00	
4	Project Closeout Services							30	\$5,016.00	\$5,015.92
	4.1 Testing/Startup/Commission					4		4	\$516.00	
	4.2 Punchlist/Final Acceptance	2				4		6	\$954.00	
	4.3 Record Drawings/System Maps	2		2		8		12	\$1,794.00	
	4.4 Meetings and Coordination	8						8	\$1,752.00	
	Total	119	0	48	0	216	0	383	\$61,701.00	\$61,700.00

Estimated Direct Expenses	
Mileage & Reproduction	\$1,600
Total	\$1,600

Project Fee Estimate Summary and Total	
Total Estimated Labor	\$61,701
Total Estimated Expenses	\$1,600
Total Fee Estimate (Rounded)	\$63,300

Notes and Assumptions:

- (1) Scope of Work is for document review per element with time allocated above, for conformance with City standards.
- (2) All hours and expenses are estimated, and may be increased or decreased within the total budget limit at the discretion of DEA's project manager. The DEA project manager may transfer budget from estimated expenses to labor and vice versa, as the project manager may determine as appropriate. Work will be billed on a time and expense basis, subject to the limit of the not-to-exceed Total Fee Estimate (Rounded) value.
- (3) Client shall be responsible for direct payment of all permit, agency review, advertisement, service or other project expenses not expressly included in the Project Fee Estimate and/or Scope of Work.

David Evans and Associates, Inc.

Project Fee Estimate
Light Rail 2019 GL330-89

Project Number **tbd**
 Date **2/1/2021**
 Prepared By **SC**

Estimated DEA Labor - Civil Engineering and Land Surveying Services									
Task/Subtask (1)	Personnel Positions and Hourly Billing Rates						DEA Labor		Total - w/ Subs., Exp. & Rounding
	Project Manager	Survey Manager	Project Engineer	Design Engineer	CAD/GIS Technician	Admin. Assistant	Total Hours	Total Est. Fee	
	\$219.00	\$218.00	\$162.00	\$137.00	\$129.00	\$100.00			
1 Project Management							40	\$7,848.00	\$7,849.46
1.1 Project Planning							0	\$0.00	
1.2 Monitoring and Control							0	\$0.00	
1.3 Project Closeout	16		16				32	\$6,096.00	
1.4 Meetings and Coordination	8						8	\$1,752.00	
1.5							0	\$0.00	
1.6							0	\$0.00	
1.7							0	\$0.00	
1.8							0	\$0.00	
2 Construction Administration							32	\$6,096.00	\$6,097.14
2.1 Permits							0	\$0.00	
2.2 Notice to Proceed							0	\$0.00	
2.3 Preconstruction Conference							0	\$0.00	
2.4 Pay Estimates							0	\$0.00	
2.5 Final Acceptance	16		16				32	\$6,096.00	
2.6 Meetings and Coordination							0	\$0.00	
2.7							0	\$0.00	
2.8							0	\$0.00	
3 Construction Engineering							106	\$16,992.00	\$16,995.17
3.1 Submittal Review			6				6	\$972.00	
3.2 RFI Review	4		16				20	\$3,468.00	
3.3 Change Management			8				8	\$1,296.00	
3.4 Construction Observation and Reports	8				40		48	\$6,912.00	
3.5 Testing Report Review							0	\$0.00	
3.6 Post-Const. Observation							0	\$0.00	
3.7 Meetings and Coordination	8		16				24	\$4,344.00	
3.8							0	\$0.00	
4 Project Closeout Services							138	\$22,654.00	\$22,658.23
4.1 Testing/Startup/Commission	4		4		8		16	\$2,556.00	
4.2 Punchlist/Final Acceptance	4		4		8		16	\$2,556.00	
4.3 Record Drawings/System Maps	2		8		24		34	\$4,830.00	
4.4 Meetings and Coordination	8		8				16	\$3,048.00	
4.5 Easements	8	16	16		8	8	56	\$9,664.00	
Total	86	16	118	0	88	8	316	\$53,590.00	\$53,600.00

Estimated Direct Expenses	
Mileage & Reproduction	\$2,500
Total	\$2,500

Project Fee Estimate Summary and Total	
Total Estimated Labor	\$53,590
Total Estimated Expenses	\$2,500
Total Fee Estimate (Rounded)	\$56,100

Notes and Assumptions:

- (1) Scope of Work is for document review per element with time allocated above, for conformance with City standards.
- (2) All hours and expenses are estimated, and may be increased or decreased within the total budget limit at the discretion of DEA's project manager. The DEA project manager may transfer budget from estimated expenses to labor and vice versa, as the project manager may determine as appropriate. Work will be billed on a time and expense basis, subject to the limit of the not-to-exceed Total Fee Estimate (Rounded) value.
- (3) Client shall be responsible for direct payment of all permit, agency review, advertisement, service or other project expenses not expressly included in the Project Fee Estimate and/or Scope of Work.

David Evans and Associates, Inc.

Project Fee Estimate

Vail 2 DE 250-60

Project Number

thd

Date

3/5/2021

Prepared By

SC

Estimated DEA Labor - Civil Engineering and Land Surveying Services									
Task/Subtask (1)	Personnel Positions and Hourly Billing Rates						DEA Labor		Total - w/ Subs., Exp. & Rounding
	Project Manager	Survey Manager	Project Engineer	Design Engineer	CAD/GIS Technician	Admin. Assistant	Total Hours	Total Est. Fee	
	\$219.00	\$218.00	\$162.00	\$137.00	\$129.00	\$100.00			
1 Project Management							9	\$1,971.00	\$1,975.09
1.1 Project Planning							0	\$0.00	
1.2 Monitoring and Control							0	\$0.00	
1.3 Project Closeout	5						5	\$1,095.00	
1.4 Meetings and Coordination	4						4	\$876.00	
1.5							0	\$0.00	
1.6 Design Review							0	\$0.00	
1.7							0	\$0.00	
1.8							0	\$0.00	
2 Construction Administration							0	\$0.00	\$0.00
2.1 Permits							0	\$0.00	
2.2 Notice to Proceed							0	\$0.00	
2.3 Preconstruction Conference							0	\$0.00	
2.4 Pay Estimates							0	\$0.00	
2.5 Final Acceptance							0	\$0.00	
2.6 Meetings and Coordination							0	\$0.00	
2.7							0	\$0.00	
2.8							0	\$0.00	
3 Construction Engineering							30	\$4,068.00	\$4,076.43
3.1 Submittal Review			2				2	\$324.00	
3.2 RFI Review			4				4	\$648.00	
3.3 Change Management							0	\$0.00	
3.4 Construction Observation and Reports					24		24	\$3,096.00	
3.5 Testing Report Review							0	\$0.00	
3.6 Post-Const. Observation							0	\$0.00	
3.7 Meetings and Coordination							0	\$0.00	
3.8							0	\$0.00	
4 Project Closeout Services							17	\$2,643.00	\$2,648.48
4.1 Testing/Startup/Commission	1				4		5	\$735.00	
4.2 Punchlist/Final Acceptance					4		4	\$516.00	
4.3 Record Drawings/System Maps					4		4	\$516.00	
4.4 Meetings and Coordination	4						4	\$876.00	
Total	14	0	6	0	36	0	56	\$8,682.00	\$8,700.00

Estimated Direct Expenses	
Mileage & Reproduction	\$300
Total	\$300

Project Fee Estimate Summary and Total	
Total Estimated Labor	\$8,682
Total Estimated Expenses	\$300
Total Fee Estimate (Rounded)	\$9,000

Notes and Assumptions:

- (1) Scope of Work is for document review per element with time allocated above, for conformance with City standards.
- (2) All hours and expenses are estimated, and may be increased or decreased within the total budget limit at the discretion of DEA's project manager. The DEA project manager may transfer budget from estimated expenses to labor and vice versa, as the project manager may determine as appropriate. Work will be billed on a time and expense basis, subject to the limit of the not-to-exceed Total Fee Estimate (Rounded) value.
- (3) Client shall be responsible for direct payment of all permit, agency review, advertisement, service or other project expenses not expressly included in the Project Fee Estimate and/or Scope of Work.

David Evans and Associates, Inc.

Project Fee Estimate
Shea Prop Ph.2 188th DE 250-62

Project Number **tbd**
Date **3/5/2021**
Prepared By **SC**

Estimated DEA Labor - Civil Engineering and Land Surveying Services									
Task/Subtask (1)	Personnel Positions and Hourly Billing Rates						DEA Labor		Total - w/ Subs., Exp. & Rounding
	Project Manager	Survey Manager	Project Engineer	Design Engineer	CAD/GIS Technician	Admin. Assistant	Total Hours	Total Est. Fee	
	\$219.00	\$218.00	\$162.00	\$137.00	\$129.00	\$100.00			
1 Project Management							4	\$876.00	\$875.83
1.1 Project Planning							0	\$0.00	
1.2 Monitoring and Control							0	\$0.00	
1.3 Project Closeout	2						2	\$438.00	
1.4 Meetings and Coordination	1						1	\$219.00	
1.5							0	\$0.00	
1.6 Design Review	1						1	\$219.00	
1.7							0	\$0.00	
1.8							0	\$0.00	
2 Construction Administration							3	\$657.00	\$656.88
2.1 Permits							0	\$0.00	
2.2 Notice to Proceed							0	\$0.00	
2.3 Preconstruction Conference	2						2	\$438.00	
2.4 Pay Estimates							0	\$0.00	
2.5 Final Acceptance							0	\$0.00	
2.6 Meetings and Coordination	1						1	\$219.00	
2.7							0	\$0.00	
2.8							0	\$0.00	
3 Construction Engineering							18	\$2,388.00	\$2,387.55
3.1 Submittal Review			1				1	\$162.00	
3.2 RFI Review			1				1	\$162.00	
3.3 Change Management							0	\$0.00	
3.4 Construction Observation and Reports					16		16	\$2,064.00	
3.5 Testing Report Review							0	\$0.00	
3.6 Post-Const. Observation							0	\$0.00	
3.7 Meetings and Coordination							0	\$0.00	
3.8							0	\$0.00	
4 Project Closeout Services							10	\$1,380.00	\$1,379.74
4.1 Testing/Startup/Commission					4		4	\$516.00	
4.2 Punchlist/Final Acceptance					4		4	\$516.00	
4.3 Record Drawings/System Maps					1		1	\$129.00	
4.4 Meetings and Coordination	1						1	\$219.00	
Total	8	0	2	0	25	0	35	\$5,301.00	\$5,300.00

Estimated Direct Expenses	
Mileage & Reproduction	\$100
Total	\$100

Project Fee Estimate Summary and Total	
Total Estimated Labor	\$5,301
Total Estimated Expenses	\$100
Total Fee Estimate (Rounded)	\$5,400

Notes and Assumptions:

(1) Scope of Work is for document review per element with time allocated above, for conformance with City standards.

(2) All hours and expenses are estimated, and may be increased or decreased within the total budget limit at the discretion of DEA's project manager. The DEA project manager may transfer budget from estimated expenses to labor and vice versa, as the project manager may determine as appropriate. Work will be billed on a time and expense basis, subject to the limit of the not-to-exceed Total Fee Estimate (Rounded) value.

(3) Client shall be responsible for direct payment of all permit, agency review, advertisement, service or other project expenses not expressly included in the Project Fee Estimate and/or Scope of Work.

David Evans and Associates, Inc.

Project Fee Estimate
358 Degrees DE 250-63

Project Number **tbd**
 Date **3/16/2021**
 Prepared By **SC**

Estimated DEA Labor - Civil Engineering and Land Surveying Services									
Task/Subtask (1)	Personnel Positions and Hourly Billing Rates						DEA Labor		Total - w/ Subs., Exp. & Rounding
	Project Manager	Survey Manager	Project Engineer	Design Engineer	CAD/GIS Technician	Admin. Assistant	Total Hours	Total Est. Fee	
	\$219.00	\$218.00	\$162.00	\$137.00	\$129.00	\$100.00			
1 Project Management							40	\$8,304.00	\$8,311.13
1.1 Project Planning							0	\$0.00	
1.2 Monitoring and Control							0	\$0.00	
1.3 Project Closeout	4						4	\$876.00	
1.4 Meetings and Coordination	4						4	\$876.00	
1.5							0	\$0.00	
1.6 Design Review	24		8				32	\$6,552.00	
1.7							0	\$0.00	
1.8							0	\$0.00	
2 Construction Administration							12	\$2,400.00	\$2,402.06
2.1 Permits							0	\$0.00	
2.2 Notice to Proceed							0	\$0.00	
2.3 Preconstruction Conference	4		2				6	\$1,200.00	
2.4 Pay Estimates							0	\$0.00	
2.5 Final Acceptance							0	\$0.00	
2.6 Meetings and Coordination	4		2				6	\$1,200.00	
2.7							0	\$0.00	
2.8							0	\$0.00	
3 Construction Engineering							131	\$19,005.00	\$19,021.32
3.1 Submittal Review	1		4				5	\$867.00	
3.2 RFI Review	2		4				6	\$1,086.00	
3.3 Change Management			4				4	\$648.00	
3.4 Construction Observation and Reports	12				100		112	\$15,528.00	
3.5 Testing Report Review							0	\$0.00	
3.6 Post-Const. Observation							0	\$0.00	
3.7 Meetings and Coordination	4						4	\$876.00	
3.8							0	\$0.00	
4 Project Closeout Services							24	\$4,062.00	\$4,065.49
4.1 Testing/Startup/Commission					4		4	\$516.00	
4.2 Punchlist/Final Acceptance	2				4		6	\$954.00	
4.3 Record Drawings/System Maps	2		2		4		8	\$1,278.00	
4.4 Meetings and Coordination	6						6	\$1,314.00	
Total	69	0	26	0	112	0	207	\$33,771.00	\$33,800.00

Estimated Direct Expenses	
Mileage & Reproduction	\$1,600
Total	\$1,600

Project Fee Estimate Summary and Total	
Total Estimated Labor	\$33,771
Total Estimated Expenses	\$1,600
Total Fee Estimate (Rounded)	\$35,400

Notes and Assumptions:

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- (2) All hours and expenses are estimated, and may be increased or decreased within the total budget limit at the discretion of DEA's project manager. The DEA project manager may transfer budget from estimated expenses to labor and vice versa, as the project manager may determine as appropriate. Work will be billed on a time and expense basis, subject to the limit of the not-to-exceed Total Fee Estimate (Rounded) value.
- (3) Client shall be responsible for direct payment of all permit, agency review, advertisement, service or other project expenses not expressly included in the Project Fee Estimate and/or Scope of Work.

David Evans and Associates, Inc.

Project Fee Estimate
5 Degrees Townhomes DE 250-61

Project Number **tbd**
 Date **3/24/2021**
 Prepared By **SC**

Estimated DEA Labor - Civil Engineering and Land Surveying Services									
Task/Subtask (1)	Personnel Positions and Hourly Billing Rates						DEA Labor		Total - w/ Subs., Exp. & Rounding
	Project Manager	Survey Manager	Project Engineer	Design Engineer	CAD/GIS Technician	Admin. Assistant	Total Hours	Total Est. Fee	
	\$219.00	\$218.00	\$162.00	\$137.00	\$129.00	\$100.00			
1 Project Management							72	\$14,856.00	\$14,860.39
1.1 Project Planning							0	\$0.00	
1.2 Monitoring and Control							0	\$0.00	
1.3 Project Closeout	8						8	\$1,752.00	
1.4 Meetings and Coordination	8						8	\$1,752.00	
1.5							0	\$0.00	
1.6 Design Review	40		16				56	\$11,352.00	
1.7							0	\$0.00	
1.8							0	\$0.00	
2 Construction Administration							24	\$4,800.00	\$4,801.42
2.1 Permits							0	\$0.00	
2.2 Notice to Proceed							0	\$0.00	
2.3 Preconstruction Conference	8		4				12	\$2,400.00	
2.4 Pay Estimates							0	\$0.00	
2.5 Final Acceptance							0	\$0.00	
2.6 Meetings and Coordination	8		4				12	\$2,400.00	
2.7							0	\$0.00	
2.8							0	\$0.00	
3 Construction Engineering							277	\$39,609.00	\$39,620.71
3.1 Submittal Review	1		6				7	\$1,191.00	
3.2 RFI Review	2		8				10	\$1,734.00	
3.3 Change Management			8				8	\$1,296.00	
3.4 Construction Observation and Reports	24				220		244	\$33,636.00	
3.5 Testing Report Review							0	\$0.00	
3.6 Post-Const. Observation							0	\$0.00	
3.7 Meetings and Coordination	8						8	\$1,752.00	
3.8							0	\$0.00	
4 Project Closeout Services							30	\$5,016.00	\$5,017.48
4.1 Testing/Startup/Commission					4		4	\$516.00	
4.2 Punchlist/Final Acceptance	2				4		6	\$954.00	
4.3 Record Drawings/System Maps	2		2		8		12	\$1,794.00	
4.4 Meetings and Coordination	8						8	\$1,752.00	
Total	119	0	48	0	236	0	403	\$64,281.00	\$64,300.00

Estimated Direct Expenses	
Mileage & Reproduction	\$1,700
Total	\$1,700

Project Fee Estimate Summary and Total	
Total Estimated Labor	\$64,281
Total Estimated Expenses	\$1,700
Total Fee Estimate (Rounded)	\$66,000

Notes and Assumptions:

(1) Scope of Work is for document review per element with time allocated above, for conformance with City standards.

(2) All hours and expenses are estimated, and may be increased or decreased within the total budget limit at the discretion of DEA's project manager. The DEA project manager may transfer budget from estimated expenses to labor and vice versa, as the project manager may determine as appropriate. Work will be billed on a time and expense basis, subject to the limit of the not-to-exceed Total Fee Estimate (Rounded) value.

(3) Client shall be responsible for direct payment of all permit, agency review, advertisement, service or other project expenses not expressly included in the Project Fee Estimate and/or Scope of Work.

David Evans and Associates, Inc.

Project Fee Estimate
LS 4 FM Replace. Construction Eng. - award to contractor Feb, construction start March 2021

Project Number **tbd**
 Date **1/29/2021**
 Prepared By **THCO**

Estimated DEA Labor - Civil Engineering and Land Surveying Services									
Task/Subtask (1)	Personnel Positions and Hourly Billing Rates						DEA Labor		Total - w/ Subs., Exp. & Rounding
	Project Manager	Survey Manager	Project Engineer	Design Engineer	CAD/GIS Technician	Admin. Assistant	Total Hours	Total Est. Fee	
	\$219.00	\$218.00	\$162.00	\$137.00	\$129.00	\$100.00			
1 Project Management							14	\$5,218.00	\$5,218.48
1.1 Project Planning	3						3	\$657.00	
1.2 Monitoring and Control	6						6	\$1,314.00	
1.3 Project Closeout	1						4	\$619.00	
1.4 Meetings and Coordination	12						12	\$2,628.00	
2 Construction Administration							116.5	\$18,687.50	\$18,689.24
2.1 Permits	2		16		8		2	\$4,262.00	
2.2 Notice to Proceed	0.5		2				2.5	\$433.50	
2.3 Preconstruction Conference	2		4		2		2	\$1,544.00	
2.4 Pay Estimates	3		12		4		4	\$3,517.00	
2.5 Final Acceptance	1		4				5	\$867.00	
2.6 Meetings and Coordination	12		24		12		48	\$8,064.00	
3 Construction Engineering							287	\$44,437.00	\$46,489.13
3.1 Submittal Review	6		24				30	\$5,202.00	
3.2 RFI Review	6		8				14	\$2,610.00	
3.3 Change Management	4		6				4	\$2,248.00	
3.4 Construction Observation and Reports	12		32		120		164	\$23,292.00	
3.5 Testing Report Review	3		6				9	\$1,629.00	
3.6 Post-Const. Observation	4				4		8	\$1,392.00	
3.7 Meetings and Coordination	12		24		12		48	\$8,064.00	
4 Project Closeout Services							82	\$12,410.00	\$12,603.15
4.1 Testing/Startup/Commission	2		4		8		14	\$2,118.00	
4.2 Punchlist/Final Acceptance	2		6		12		2	\$3,158.00	
4.3 Record Drawings/System Maps	4		16		16		36	\$5,532.00	
4.4 Meetings and Coordination	2		4		4		10	\$1,602.00	
Total	99.5	0	192	0	202	18	511.5	\$80,752.50	\$83,000.00

Estimated Direct Expenses	
Mileage & Reproduction	\$2,240
Total	\$2,240

Project Fee Estimate Summary and Total	
Total Estimated Labor	\$80,753
Total Estimated Expenses	\$2,240
Total Fee Estimate (Rounded)	\$83,000

Notes and Assumptions:

(1) Scope of Work is for document review per element with time allocated above, for conformance with City standards.

(2) All hours and expenses are estimated, and may be increased or decreased within the total budget limit at the discretion of DEA's project manager. The DEA project manager may transfer budget from estimated expenses to labor and vice versa, as the project manager may determine as appropriate. Work will be billed on a time and expense basis, subject to the limit of the not-to-exceed Total Fee Estimate (Rounded) value.

(3) Client shall be responsible for direct payment of all permit, agency review, advertisement, service or other project expenses not expressly included in the Project Fee Estimate and/or Scope of Work.

David Evans and Associates, Inc.

Project Fee Estimate

NE 145TH TRUNK SEWER GL 330-94

Project Number tbd

Date 1/29/2021

Prepared By THCO

Estimated DEA Labor - Civil Engineering and Land Surveying Services										
Task/Subtask (1)	Personnel Positions and Hourly Billing Rates						DEA Labor		Total - w/ Subs., Exp. & Rounding	
	Project Manager	Survey Manager	Project Engineer	Design Engineer	CAD/GIS Technician	Admin. Assistant	Total Hours	Total Est. Fee		
	\$219.00	\$218.00	\$162.00	\$137.00	\$129.00	\$100.00				
1	Project Management						11	\$2,809.00	\$2,809.08	
1.1	Project Planning	2					2	\$438.00		
1.2	Monitoring and Control	4					4	\$876.00		
1.3	Project Closeout	1				4	5	\$619.00		
1.4	Meetings and Coordination	4					4	\$876.00		
2	Construction Administration						64	\$10,752.00	\$10,752.30	
2.1	Meetings and Coordination	16	32		16		64	\$10,752.00		
3	Construction Engineering						315	\$47,865.00	\$49,402.31	
3.1	Submittal Review	8	16				24	\$4,344.00		
3.2	RFI Review	6	12				18	\$3,258.00		
3.3	Construction Observation and Reports	16	16		160		192	\$26,736.00		
3.4	Testing Report Review	1	4				5	\$867.00		
3.5	Post-Const. Observation	4			8		12	\$1,908.00		
3.6	Meetings and Coordination	16	32		16		64	\$10,752.00		
4	Project Closeout Services						78	\$11,408.00	\$11,408.00	
4.1	Punchlist/Final Acceptance	2	6		12	4	24	\$3,358.00		
4.2	Record Drawings/System Maps	4	12		20	4	40	\$5,800.00		
4.3	Meetings and Coordination	2	8		4		14	\$2,250.00		
Total		86	0	138	0	236	12	472	\$72,834.00	\$74,499.69

Estimated Direct Expenses	
Mileage & Reproduction	\$1,664
Total	\$1,664

Project Fee Estimate Summary and Total	
Total Estimated Labor	\$72,834
Total Estimated Expenses	\$1,664
Total Fee Estimate (Rounded)	\$74,500

Notes and Assumptions:

- (1) Scope of Work is for document review per element with time allocated above, for conformance with City standards.
- (2) All hours and expenses are estimated, and may be increased or decreased within the total budget limit at the discretion of DEA's project manager. The DEA
- (3) Client shall be responsible for direct payment of all permit, agency review, advertisement, service or other project expenses not expressly included in the

David Evans and Associates, Inc.

Project Fee Estimate

LS 12 Controls

Project Number

tbd

Date

2/1/2021

Prepared By

sc

Estimated DEA Labor - Civil Engineering and Land Surveying Services									
Task/Subtask (1)	Personnel Positions and Hourly Billing Rates						DEA Labor		Total - w/ Subs., Exp. & Rounding
	Project Manager	Survey Manager	Project Engineer	Design Engineer	CAD/GIS Technician	Admin. Assistant	Total Hours	Total Est. Fee	
	\$219.00	\$218.00	\$162.00	\$137.00	\$129.00	\$100.00			
1 Plan Review							56	\$8,208.00	\$8,210.35
1.1 design review	8		8				16	\$3,048.00	
1.2 drawings					40		40	\$5,160.00	
1.3							0	\$0.00	
1.4							0	\$0.00	
1.5							0	\$0.00	
1.6							0	\$0.00	
1.7							0	\$0.00	
1.8							0	\$0.00	
2 Specifications							30	\$4,802.00	\$4,803.38
2.1 set up specs	4		4	16			24	\$3,716.00	
2.2 spec review	2		4				6	\$1,086.00	
2.3							0	\$0.00	
2.4							0	\$0.00	
2.5							0	\$0.00	
2.6							0	\$0.00	
2.7							0	\$0.00	
2.8							0	\$0.00	
3 Construction							31	\$5,706.00	\$5,707.63
3.0 Notice to Proceed			1				1	\$162.00	
3.1 Preconstruction Conference	4		4				8	\$1,524.00	
3.2 Pay Estimates	4		8				12	\$2,172.00	
3.3 Final Acceptance	2		4				6	\$1,086.00	
3.4 Meetings and Coordination	2		2				4	\$762.00	
3.5							0	\$0.00	
3.6							0	\$0.00	
3.7							0	\$0.00	
4 Construction Engineering and Observation							60	\$10,860.00	\$10,863.11
4.3.8 Submittal Review	4		16				20	\$3,468.00	
4.0 RFI Review	2		8				10	\$1,734.00	
4.1 Change Management							0	\$0.00	
4.2 Construction Observation and Reports	8		4				12	\$2,400.00	
4.3 Testing Report Review	2		8				10	\$1,734.00	
4.4 Post-Const. Observation							0	\$0.00	
4.5 Meetings and Coordination	4		4				8	\$1,524.00	
4.6							0	\$0.00	
5							76	\$12,312.00	\$12,315.53
4.8							0	\$0.00	
4.9 Electrical Subcontractor Casne - contract w/DEA			76				76	\$12,312.00	
Total	46	0	151	16	40	0	253	\$41,888.00	\$41,900.00

Estimated Direct Expenses	
Mileage & Reproduction	\$1,000
Total	\$1,000

Project Fee Estimate Summary and Total	
Total Estimated Labor	\$41,888
Total Estimated Expenses	\$1,000
Total Fee Estimate (Rounded)	\$42,900

Notes and Assumptions:

- (1) Scope of Work is for document review per element with time allocated above, for conformance with City standards.
- (2) All hours and expenses are estimated, and may be increased or decreased within the total budget limit at the discretion of DEA's project manager. The DEA project manager may transfer budget from estimated expenses to labor and vice versa, as the project manager may determine as appropriate. Work will be billed on a time and expense basis, subject to the limit of the not-to-exceed Total Fee Estimate (Rounded) value.
- (3) Client shall be responsible for direct payment of all permit, agency review, advertisement, service or other project expenses not expressly included in the Project Fee Estimate and/or Scope of Work.

David Evans and Associates, Inc.

Project Fee Estimate
Cathodic Protection LS - in design by Norton Corrosion, ad for bid late spring 2021

Project Number **tbd**
 Date **2/1/2021**
 Prepared By **sc**

Estimated DEA Labor - Civil Engineering and Land Surveying Services									
Task/Subtask (1)	Personnel Positions and Hourly Billing Rates						DEA Labor		Total - w/ Subs., Exp. & Rounding
	Project Manager	Survey Manager	Project Engineer	Design Engineer	CAD/GIS Technician	Admin. Assistant	Total Hours	Total Est. Fee	
	\$219.00	\$218.00	\$162.00	\$137.00	\$129.00	\$100.00			
1 Plan Review							20	\$3,696.00	\$3,696.73
1.1 design review	8		12				20	\$3,696.00	
1.2							0	\$0.00	
1.3							0	\$0.00	
1.4							0	\$0.00	
1.5							0	\$0.00	
1.6							0	\$0.00	
1.7							0	\$0.00	
1.8							0	\$0.00	
2 Specifications							46	\$7,394.00	\$7,395.45
2.1 set up specs	4		16	16			36	\$5,660.00	
2.2 spec review	2		8				10	\$1,734.00	
2.3							0	\$0.00	
2.4							0	\$0.00	
2.5							0	\$0.00	
2.6							0	\$0.00	
2.7							0	\$0.00	
2.8							0	\$0.00	
3 2.9 Construction							35	\$6,468.00	\$6,469.27
3.0 Notice to Proceed			1				1	\$162.00	
3.1 Preconstruction Conference	4		4				8	\$1,524.00	
3.2 Pay Estimates	4		8				12	\$2,172.00	
3.3 Final Acceptance	2		4				6	\$1,086.00	
3.4 Meetings and Coordination	4		4				8	\$1,524.00	
3.5							0	\$0.00	
3.6							0	\$0.00	
3.7							0	\$0.00	
4 3.8 Construction Engineering and Observation							72	\$12,804.00	\$12,806.51
3.9 Submittal Review	4		16				20	\$3,468.00	
4.0 RFI Review	2		8				10	\$1,734.00	
4.1 Change Management							0	\$0.00	
4.2 Construction Observation and Reports	8		16				24	\$4,344.00	
4.3 Testing Report Review	2		8				10	\$1,734.00	
4.4 Post-Const. Observation							0	\$0.00	
4.5 Meetings and Coordination	4		4				8	\$1,524.00	
4.6							0	\$0.00	
5 4.7 City sub contractor							280	\$61,320.00	\$61,332.04
4.8 Norton Corrosion -contract w/ RWD	280						280	\$61,320.00	
4.9							0	\$0.00	
Total	328	0	109	16	0	0	453	\$91,682.00	\$91,700.00

Estimated Direct Expenses	
Mileage & Reproduction	\$1,000
Total	\$1,000

Project Fee Estimate Summary and Total	
Total Estimated Labor	\$91,682
Total Estimated Expenses	\$1,000
Total Fee Estimate (Rounded)	\$92,700

Notes and Assumptions:

(1) Scope of Work is for document review per element with time allocated above, for conformance with City standards.

(2) All hours and expenses are estimated, and may be increased or decreased within the total budget limit at the discretion of DEA's project manager. The DEA project manager may transfer budget from estimated expenses to labor and vice versa, as the project manager may determine as appropriate. Work will be billed on a time and expense basis, subject to the limit of the not-to-exceed Total Fee Estimate (Rounded) value.

(3) Client shall be responsible for direct payment of all permit, agency review, advertisement, service or other project expenses not expressly included in the Project Fee Estimate and/or Scope of Work.

David Evans and Associates, Inc.

Project Fee Estimate
Selismic retrofit of garage building - predesign report due late spring, by Reid Middleton

Project Number **tbd**
 Date **2/1/2021**
 Prepared By **sc**

Estimated DEA Labor - Civil Engineering and Land Surveying Services									
Task/Subtask (1)	Personnel Positions and Hourly Billing Rates						DEA Labor		Total - w/ Subs., Exp. & Rounding
	Project Manager	Survey Manager	Project Engineer	Design Engineer	CAD/GIS Technician	Admin. Assistant	Total Hours	Total Est. Fee	
	\$219.00	\$218.00	\$162.00	\$137.00	\$129.00	\$100.00			
1 Plan Review							64	\$12,192.00	\$12,194.05
1.1 Predesign review / management	24		24				48	\$9,144.00	
1.2 design review	8		8				16	\$3,048.00	
1.3							0	\$0.00	
1.4							0	\$0.00	
1.5							0	\$0.00	
1.6							0	\$0.00	
1.7							0	\$0.00	
1.8							0	\$0.00	
2 Specifications							38	\$6,098.00	\$6,099.03
2.1 set up specs	4		8	16			28	\$4,364.00	
2.2 spec review	2		8				10	\$1,734.00	
2.3							0	\$0.00	
2.4							0	\$0.00	
2.5							0	\$0.00	
2.6							0	\$0.00	
2.7							0	\$0.00	
2.8							0	\$0.00	
3 Construction							36	\$6,687.00	\$6,688.13
3.0 Notice to Proceed	1		1				2	\$381.00	
3.1 Preconstruction Conference	4		4				8	\$1,524.00	
3.2 Pay Estimates	4		8				12	\$2,172.00	
3.3 Final Acceptance	2		4				6	\$1,086.00	
3.4 Meetings and Coordination	4		4				8	\$1,524.00	
3.5							0	\$0.00	
3.6							0	\$0.00	
3.7							0	\$0.00	
4 Construction Engineering and Observation							60	\$10,860.00	\$10,861.83
4.3.9 Submittal Review	4		16				20	\$3,468.00	
4.0 RFI Review	2		8				10	\$1,734.00	
4.1 Change Management							0	\$0.00	
4.2 Construction Observation and Reports	8		4				12	\$2,400.00	
4.3 Testing Report Review	2		8				10	\$1,734.00	
4.4 Post-Const. Observation							0	\$0.00	
4.5 Meetings and Coordination	4		4				8	\$1,524.00	
4.6							0	\$0.00	
5 City sub contractor							460	\$100,740.00	\$100,756.96
4.8 Reid-Middleton contract #1 with RWD	112						112	\$24,528.00	
4.9 Reid-Middleton contract #2 design with City, place holder	348						348	\$76,212.00	
5.0							0	\$0.00	
Total	533	0	109	16	0	0	658	\$136,577.00	\$136,600.00

Estimated Direct Expenses	
Mileage & Reproduction	\$2,000
Total	\$2,000

Project Fee Estimate Summary and Total	
Total Estimated Labor	\$136,577
Total Estimated Expenses	\$2,000
Total Fee Estimate (Rounded)	\$138,600

Notes and Assumptions:

(1) Scope of Work is for document review per element with time allocated above, for conformance with City standards.

(2) All hours and expenses are estimated, and may be increased or decreased within the total budget limit at the discretion of DEA's project manager. The DEA project manager may transfer budget from estimated expenses to labor and vice versa, as the project manager may determine as appropriate. Work will be billed on a time and expense basis, subject to the limit of the not-to-exceed Total Fee Estimate (Rounded) value.

(3) Client shall be responsible for direct payment of all permit, agency review, advertisement, service or other project expenses not expressly included in the Project Fee Estimate and/or Scope of Work.

David Evans and Associates, Inc.

Project Fee Estimate
Corridor CIP 145th, 175th, 185th - City projects, in review for sewer related issues, place holder

Project Number **tbd**
 Date **1/29/2021**
 Prepared By **THCO**

Task/Subtask (1)		Personnel Positions and Hourly Billing Rates					DEA Labor		Total - w/ Subs., Exp. & Rounding	
		Project Manager	Survey Manager / Two Man Crew	Project Engineer	Design Engineer	CAD/GIS Technician	Admin. Assistant	Total Hours		Total Est. Fee
		\$219.00	\$218.00	\$162.00	\$137.00	\$129.00	\$100.00			
1	Project Management							26	\$5,218.00	\$5,218.40
1.1	Project Planning	8						2	10	\$1,952.00
1.2	Monitoring and Control	6						2	8	\$1,514.00
1.3	Meetings and Coordination	8							8	\$1,752.00
2	Design - General							164	\$28,542.00	\$28,544.20
2.1	Survey	4	32	8	16				60	\$11,340.00
2.2	Pre-design	24		32	24	16			96	\$15,792.00
2.3	Construction Cost Est	2		6					8	\$1,410.00
3	Design - Plans/Proj Mnl							190	\$29,424.00	\$29,426.26
3.1	Plans	8		32		32			72	\$11,064.00
3.2	Proj Mnl, Bid & Cntrct docs	12		24		8	6		50	\$8,148.00
3.3	Proj Mnl, Tech Specs	12		32			24		68	\$10,212.00
4	Permit							18	\$2,708.00	\$2,708.21
4.1	COSH ROW Permit	2		8		6	2		18	\$2,708.00
5	Bidding and Construction Administration							93	\$16,881.00	\$16,882.30
5.1	Bidding and Notice to Proceed	6	12	2					20	\$4,254.00
5.2	Preconstruction Conference	2		4		2			8	\$1,344.00
5.3	Pay Estimates	2		16		2			20	\$3,288.00
5.4	Final Acceptance	1		4					5	\$867.00
5.5	Meetings and Coordination	16		16		8			40	\$7,128.00
6	Construction Engineering and Observation							219	\$35,007.00	\$35,009.69
6.1	Submittal Review	6		20					26	\$4,554.00
6.2	RFI Review	6		8					14	\$2,610.00
6.3	Change Management	6		8					14	\$2,610.00
6.4	Construction Observation and Reports	12		24		80			116	\$16,836.00
6.5	Testing Report Review	3		6					9	\$1,629.00
6.6	Post-Const. Observation	4				4			8	\$1,392.00
6.7	Meetings and Coordination	8		16		8			32	\$5,376.00
7	Project Closeout Services							80	\$12,210.00	\$12,210.94
7.1	Testing/Startup/Commission	2		4		8			14	\$2,118.00
7.2	Punchlist/Final Acceptance	2		6		12			20	\$2,958.00
7.3	Record Drawings/System Maps	4		16		16			36	\$5,532.00
7.4	Meetings and Coordination	2		4		4			10	\$1,602.00
Total		168	44	296	40	206	36	790	\$129,990.00	\$130,000.00

Estimated Direct Expenses	
Mileage & Reproduction	\$3,000
Total	\$3,000

Project Fee Estimate Summary and Total	
Total Estimated Labor	\$129,990
Total Estimated Expenses	\$3,000
Total Fee Estimate (Rounded)	\$133,000

Notes and Assumptions:

(1) Scope of Work is for document review per element with time allocated above, for conformance with City standards.

(2) All hours and expenses are estimated, and may be increased or decreased within the total budget limit at the discretion of DEA's project manager. The DEA Client shall be responsible for direct payment of all permit, agency review, advertisement, service or other project expenses not expressly included in the Project Fee Estimate and/or Scope of Work.

David Evans and Associates, Inc.

Project Fee Estimate
148th Pedestrian Bridge - City project, in review for sewer related issues, place holder

Project Number **tbd**
 Date **1/29/2021**
 Prepared By **THCO**

Task/Subtask (1)		Personnel Positions and Hourly Billing Rates						DEA Labor		Total - w/ Subs., Exp. & Rounding
		Project Manager	Survey Manager	Project Engineer	Design Engineer	CAD/GIS Technician	Admin. Assistant	Total Hours	Total Est. Fee	
		\$219.00	\$218.00	\$162.00	\$137.00	\$129.00	\$100.00			
1	Project Management							26	\$5,218.00	\$5,220.89
	1.1 Project Planning	8					2	10	\$1,952.00	
	1.2 Monitoring and Control	6					2	8	\$1,514.00	
	1.3 Meetings and Coordination	8						8	\$1,752.00	
2	Plan Review							116	\$20,730.00	\$20,741.49
	2.1 Engineering Plan Review	12		36				48	\$8,460.00	
	2.2 Engineering Report Review	4		6				10	\$1,848.00	
	2.3 System Hydraulics	2		8				10	\$1,734.00	
	2.4 Request for Information	4		16				20	\$3,468.00	
	2.5 Meetings and Coordination	12		16				28	\$5,220.00	
3	Construction Engineering and Observation							169	\$26,883.00	\$26,897.90
	3.1 Submittal Review	4		16				20	\$3,468.00	
	3.2 RFI Review	4		6				10	\$1,848.00	
	3.3 Construction Observation and Reports	12		20		60		92	\$13,608.00	
	3.4 Testing Report Review	3		6				9	\$1,629.00	
	3.5 Post-Const. Observation	4				4		8	\$1,392.00	
	3.6 Meetings and Coordination	6		16		8		30	\$4,938.00	
4	Project Closeout Services							86	\$21,128.00	\$21,139.71
	4.1 Testing/Startup/Commission	2		4		8		14	\$2,118.00	
	4.2 Punchlist/Final Acceptance	2		6		12		20	\$2,958.00	
	4.3 Record Drawings/System Maps	4		16		16		36	\$5,532.00	
	4.4 Meetings and Coordination	4		8		4		16	\$2,688.00	
	4.5 Easement Review	8	16	16				40	\$7,832.00	
Total		109	16	196	0	112	4	437	\$73,959.00	\$74,000.00

Estimated Direct Expenses	
Mileage & Reproduction	\$1,500
Total	\$1,500

Project Fee Estimate Summary and Total	
Total Estimated Labor	\$73,959
Total Estimated Expenses	\$1,500
Total Fee Estimate (Rounded)	\$75,500

Notes and Assumptions:

- Scope of Work is for document review per element with time allocated above, for conformance with City standards.
- All hours and expenses are estimated, and may be increased or decreased within the total budget limit at the discretion of DEA's project manager. The DEA project manager may transfer budget from estimated expenses to labor and vice versa, as the project manager may determine as appropriate. Work will be billed on a time and expense basis, subject to the limit of the not-to-exceed Total Fee Estimate (Rounded) value.
- Client shall be responsible for direct payment of all permit, agency review, advertisement, service or other project expenses not expressly included in the Project Fee Estimate and/or Scope of Work.

David Evans and Associates, Inc.

Project Fee Estimate

SOP Procedures - in process by DKF, done spring 2021, DEA provides info

Project Number tbd

Date 2/3/2021

Prepared By sc

Estimated DEA Labor - Civil Engineering and Land Surveying Services									
Task/Subtask (1)	Personnel Positions and Hourly Billing Rates						DEA Labor		Total - w/ Subs., Exp. & Rounding
	Project Manager	Survey Manager	Project Engineer	Design Engineer	CAD/GIS Technician	Admin. Assistant	Total Hours	Total Est. Fee	
	\$219.00	\$218.00	\$162.00	\$137.00	\$129.00	\$100.00			
1	Initial Documents Review or Preparation						48	\$8,688.00	\$8,679.81
	1.1 Document Coordination	8		16			24	\$4,344.00	
	1.2 Review SOP's	4		8			12	\$2,172.00	
	1.3 Final comments	4		8			12	\$2,172.00	
2	Sub contractor						33	\$7,227.00	\$7,220.19
	2.1 DKF SOP Prep	33					33	\$7,227.00	
Total		49	0	32	0	0	81	\$15,915.00	\$15,900.00

Estimated Direct Expenses	
Mileage & Reproduction	\$200
Total	\$200

Project Fee Estimate Summary and Total	
Total Estimated Labor	\$15,915
Total Estimated Expenses	\$200
Total Fee Estimate (Rounded)	\$16,100

Notes and Assumptions:

- (1) Scope of Work is for document review per element with time allocated above, for conformance with City standards.
- (2) All hours and expenses are estimated, and may be increased or decreased within the total budget limit at the discretion of DEA's project manager. The DEA project manager may transfer budget from estimated expenses to labor and vice versa, as the project manager may determine as appropriate. Work will be billed on a time and expense basis, subject to the limit of the not-to-exceed Total Fee Estimate (Rounded) value.
- (3) Client shall be responsible for direct payment of all permit, agency review, advertisement, service or other project expenses not expressly included in the Project Fee Estimate and/or Scope of Work.

David Evans and Associates, Inc.

Project Fee Estimate

GFC - w/FCSG - in process by FCSG, done spring 2021, DEA provides info

Project Number **thl**

Date **2/3/2021**

Prepared By **sc**

Estimated DEA Labor - Civil Engineering and Land Surveying Services										
Task/Subtask (1)	Personnel Positions and Hourly Billing Rates						DEA Labor		Total - w/ Subs., Exp. & Rounding	
	Project Manager	Survey Manager	Project Engineer	Design Engineer	CAD/GIS Technician	Admin. Assistant	Total Hours	Total Est. Fee		
	\$219.00	\$218.00	\$162.00	\$137.00	\$129.00	\$100.00				
1	Initial Documents Review or Preparation									
1.1	Document Coordination	12		4				16	\$3,276.00	
1.2	Background Doc Review/Prep	24		16				40	\$7,848.00	
1.3	CSP project review	8		16				24	\$4,344.00	
1.4								0	\$0.00	
1.5								0	\$0.00	
1.6								0	\$0.00	
1.7								0	\$0.00	
1.8	Final comments	4		2				6	\$1,200.00	
2	Sub contractor									
2.1	FCSG prepare report	70						70	\$15,330.00	
Total		118	0	38	0	0	0	156	\$31,998.00	\$32,000.00

Estimated Direct Expenses	
Mileage & Reproduction	\$300
Total	\$300

Project Fee Estimate Summary and Total	
Total Estimated Labor	\$31,998
Total Estimated Expenses	\$300
Total Fee Estimate (Rounded)	\$32,300

Notes and Assumptions:

- (1) Scope of Work is for document review per element with time allocated above, for conformance with City standards.
- (2) All hours and expenses are estimated, and may be increased or decreased within the total budget limit at the discretion of DEA's project manager. The DEA project manager may transfer budget from estimated expenses to labor and vice versa, as the project manager may determine as appropriate. Work will be billed on a time and expense basis, subject to the limit of the not-to-exceed Total Fee Estimate (Rounded) value.
- (3) Client shall be responsible for direct payment of all permit, agency review, advertisement, service or other project expenses not expressly included in the Project Fee Estimate and/or Scope of Work.

David Evans and Associates, Inc.

Project Fee Estimate
O&M CIP Ridgecrest 5 (2021) - Just starting design for ad to bid winter 21-22

Project Number **tbd**

Date **1/29/2021**

Prepared By **THCO**

Estimated DEA Labor - Civil Engineering and Land Surveying Services										
Task/Subtask (1)	Personnel Positions and Hourly Billing Rates						DEA Labor		Total - w/ Subs., Exp. & Rounding	
	Project Manager	Survey Manager / Two Man Crew	Project Engineer	Design Engineer	CAD/GIS Technician	Admin. Assistant	Total Hours	Total Est. Fee		
	\$219.00	\$218.00	\$162.00	\$137.00	\$129.00	\$100.00				
1	Project Management						56	\$11,312.00	\$11,312.07	
1.1	Project Planning	16					4	20	\$3,904.00	
1.2	Monitoring and Control	8					4	12	\$2,152.00	
1.3	Meetings and Coordination	24						24	\$5,256.00	
2	Design - General						94	\$17,210.00	\$17,445.11	
2.1	Survey	4	40	16	24			84	\$15,476.00	
2.2	Construction Cost Est	2		8				10	\$1,734.00	
3	Design - Plans/Proj Mnl						372	\$58,532.00	\$60,098.39	
3.1	Plans	24		80		80		184	\$28,536.00	
3.2	Proj Mnl, Bid & Cntrct docs	12		24		16	8	60	\$9,380.00	
3.3	Proj Mnl, Tech Specs	24		80			24	128	\$20,616.00	
4	Permit						28	\$4,262.00	\$4,262.03	
4.1	COSH ROW Permit	2		16		8	2	28	\$4,262.00	
5	Bidding and Construction Administration						247	\$42,549.00	\$42,549.28	
5.1	Bidding and Notice to Proceed	6		12				18	\$3,258.00	
5.2	Preconstruction Conference	2		4		2		8	\$1,344.00	
5.3	Pay Estimates	6		36		6		48	\$7,920.00	
5.4	Final Acceptance	1		4				5	\$867.00	
5.5	Meetings and Coordination	48		96		24		168	\$29,160.00	
6	Construction Engineering and Observation						1095	\$157,101.00	\$160,872.04	
6.1	Submittal Review	12		42				54	\$9,432.00	
6.2	RFI Review	6		8				14	\$2,610.00	
6.3	Change Management	6		8				14	\$2,610.00	
6.4	Construction Observation and Reports	36		72		720		828	\$112,428.00	
6.5	Testing Report Review	3		6				9	\$1,629.00	
6.6	Post-Const. Observation	4				4		8	\$1,392.00	
6.7	Meetings and Coordination	24		96		48		168	\$27,000.00	
7	Project Closeout Services						80	\$12,210.00	\$12,561.08	
7.1	Testing/Startup/Commission	2		4		8		14	\$2,118.00	
7.2	Punchlist/Final Acceptance	2		6		12		20	\$2,958.00	
7.3	Record Drawings/System Maps	4		16		16		36	\$5,532.00	
7.4	Meetings and Coordination	2		4		4		10	\$1,602.00	
Total		280	40	638	24	948	42	1972	\$303,176.00	\$309,451.08

Estimated Direct Expenses	
Mileage & Reproduction	\$5,922
Total	\$5,922

Project Fee Estimate Summary and Total	
Total Estimated Labor	\$303,176
Total Estimated Expenses	\$5,922
Total Fee Estimate (Rounded)	\$309,100

Notes and Assumptions:

- (1) Scope of Work is for document review per element with time allocated above, for conformance with City standards.
- (2) All hours and expenses are estimated, and may be increased or decreased within the total budget limit at the discretion of DEA's project manager. The DEA
- (3) Client shall be responsible for direct payment of all permit, agency review, advertisement, service or other project expenses not expressly included in the Project Fee Estimate and/or Scope of Work.

David Evans and Associates, Inc.

Project Fee Estimate
Small Works System Repairs (2021/2022) - ongoing small projects in various stages, usually under \$50K constr.

Project Number **tbd**

Date **2/1/2021**

Prepared By **SC**

Estimated DEA Labor - Civil Engineering and Land Surveying Services										
Task/Subtask (1)	Personnel Positions and Hourly Billing Rates						DEA Labor		Total - w/ Subs., Exp. & Rounding	
	Project Manager	Survey Manager	Project Engineer	Design Engineer	CAD/GIS Technician	Admin. Assistant	Total Hours	Total Est. Fee		
	\$219.00	\$218.00	\$162.00	\$137.00	\$129.00	\$100.00				
1	Project Management						32	\$7,008.00	\$7,006.69	
1.1	Project Planning	16					16	\$3,504.00		
1.2	Monitoring and Control						0	\$0.00		
1.3	Meetings and Coordination	16					16	\$3,504.00		
2	Design - General						0	\$0.00	\$0.00	
2.1	Survey						0	\$0.00		
2.2	Construction Cost Est						0	\$0.00		
3	Design - Plans/Proj Mnl						238	\$38,640.00	\$38,632.78	
3.1	Plans	12		106		32	150	\$23,928.00		
3.2	Proj Mnl, Bid & Cntrct docs	8		80			88	\$14,712.00		
3.3	Proj Mnl, Tech Specs						0	\$0.00		
4	Permit						44	\$7,356.00	\$7,354.63	
4.1	COSH ROW Permit	4		40			44	\$7,356.00		
5	Bidding and Construction Administration						24	\$4,116.00	\$4,115.23	
5.1	Bidding and Notice to Proceed						0	\$0.00		
5.2	Preconstruction Conference						0	\$0.00		
5.3	Pay Estimates	4		20			24	\$4,116.00		
5.4	Final Acceptance						0	\$0.00		
5.5	Meetings and Coordination						0	\$0.00		
6	Construction Engineering and Observation						32	\$5,184.00	\$5,183.03	
6.1	Submittal Review			16			16	\$2,592.00		
6.2	RFI Review			16			16	\$2,592.00		
6.3	Change Management						0	\$0.00		
6.4	Construction Observation and Reports						0	\$0.00		
6.5	Testing Report Review						0	\$0.00		
6.6	Post-Const. Observation						0	\$0.00		
6.7	Meetings and Coordination						0	\$0.00		
7	Project Closeout Services						12	\$1,908.00	\$1,907.64	
7.1	Testing/Startup/Commission						0	\$0.00		
7.2	Punchlist/Final Acceptance						0	\$0.00		
7.3	Record Drawings/System Maps					8	8	\$1,032.00		
7.4	Meetings and Coordination	4					4	\$876.00		
Total		64	0	278	0	40	0	382	\$64,212.00	\$64,199.64

Estimated Direct Expenses	
Mileage & Reproduction	\$500
Total	\$500

Project Fee Estimate Summary and Total	
Total Estimated Labor	\$64,212
Total Estimated Expenses	\$500
Total Fee Estimate (Rounded)	\$64,700

Notes and Assumptions:

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- Client shall be responsible for direct payment of all permit, agency review, advertisement, service or other project expenses not expressly included in the Project Fee Estimate and/or Scope of Work.

David Evans and Associates, Inc.

Project Fee Estimate
Storm Creek Repairs (2022) - possible interim help to City

Project Number **tbd**
 Date **2/1/2021**
 Prepared By **SC**

Estimated DEA Labor - Civil Engineering and Land Surveying Services									
Task/Subtask (1)	Personnel Positions and Hourly Billing Rates						DEA Labor		Total - w/ Subs., Exp. & Rounding
	Project Manager	Survey Manager	Project Engineer	Design Engineer	CAD/GIS Technician	Admin. Assistant	Total Hours	Total Est. Fee	
	\$219.00	\$218.00	\$162.00	\$137.00	\$129.00	\$100.00			
1 Project Management							16	\$3,504.00	\$3,520.00
1.1 Project Planning	8						8	\$1,752.00	
1.2 Monitoring and Control							0	\$0.00	
1.3 Meetings and Coordination	8						8	\$1,752.00	
2 Design - General							0	\$0.00	\$0.00
2.1 Survey							0	\$0.00	
2.2 Construction Cost Est							0	\$0.00	
3 Design - Plans/Proj Mnl							8	\$1,752.00	\$1,760.00
3.1 Plans -Review	8						8	\$1,752.00	
3.2 Proj Mnl, Bid & Cntrct docs							0	\$0.00	
3.3 Proj Mnl, Tech Specs							0	\$0.00	
4 Permit							0	\$0.00	\$0.00
4.1 COSH ROW Permit							0	\$0.00	
5 Bidding and Construction Administration							0	\$0.00	\$0.00
5.1 Bidding and Notice to Proceed							0	\$0.00	
5.2 Preconstruction Conference							0	\$0.00	
5.3 Pay Estimates							0	\$0.00	
5.4 Final Acceptance							0	\$0.00	
5.5 Meetings and Coordination							0	\$0.00	
6 Construction Engineering and Observation							4	\$876.00	\$880.00
6.1 Submittal Review							0	\$0.00	
6.2 RFI Review							0	\$0.00	
6.3 Change Management							0	\$0.00	
6.4 Construction Observation and Reports	4						4	\$876.00	
6.5 Testing Report Review							0	\$0.00	
6.6 Post-Const. Observation							0	\$0.00	
6.7 Meetings and Coordination							0	\$0.00	
7 Project Closeout Services							2	\$438.00	\$440.00
7.1 Testing/Startup/Commission							0	\$0.00	
7.2 Punchlist/Final Acceptance							0	\$0.00	
7.3 Record Drawings/System Maps							0	\$0.00	
7.4 Meetings and Coordination	2						2	\$438.00	
Total	30	0	0	0	0	0	30	\$6,570.00	\$6,602.00

Estimated Direct Expenses	
Mileage & Reproduction	\$300
Total	\$300

Project Fee Estimate Summary and Total	
Total Estimated Labor	\$6,570
Total Estimated Expenses	\$300
Total Fee Estimate (Rounded)	\$6,900

Notes and Assumptions:

(1) Scope of Work is for document review per element with time allocated above, for conformance with City standards.

(2) All hours and expenses are estimated, and may be increased or decreased within the total budget limit at the discretion of DEA's project manager. The DEA

(3) Client shall be responsible for direct payment of all permit, agency review, advertisement, service or other project expenses not expressly included in the Project Fee Estimate and/or Scope of Work.

David Evans and Associates, Inc.

Project Fee Estimate
NE 200th St Hyd CIP (2022) - potential capacity driven design and construction project

Project Number **tbid**
 Date **2/2/2021**
 Prepared By **THCO**

Estimated DEA Labor - Civil Engineering and Land Surveying Services										
Task/Subtask (1)	Personnel Positions and Hourly Billing Rates						DEA Labor		Total - w/ Subs., Exp. & Rounding	
	Project Manager	Survey Manager / Two Man Crew	Project Engineer	Design Engineer	CAD/GIS Technician	Admin. Assistant	Total Hours	Total Est. Fee		
	\$219.00	\$218.00	\$162.00	\$137.00	\$129.00	\$100.00				
1	Project Management						36	\$6,932.00	\$6,931.93	
1.1	Project Planning	12					4	16	\$3,028.00	
1.2	Monitoring and Control	4					4	8	\$1,276.00	
1.3	Meetings and Coordination	12						12	\$2,628.00	
2	Design - General						62	\$11,554.00	\$11,739.88	
2.1	Survey	4	28	4	16			52	\$9,820.00	
2.2	Construction Cost Est	2		8				10	\$1,734.00	
3	Design - Plans/Proj Mnl						138	\$20,852.00	\$21,925.78	
3.1	Plans	4		28		28		60	\$9,024.00	
3.2	Proj Mnl, Bid & Cntrct docs	4		16		12	6	38	\$5,816.00	
3.3	Proj Mnl, Tech Specs	4		28			8	40	\$6,212.00	
4	Permit							24	\$3,614.00	\$3,613.96
4.1	COSH ROW Permit	2		12		8	2	24	\$3,614.00	
5	Bidding and Construction Administration							91	\$15,477.00	\$15,476.84
5.1	Bidding and Notice to Proceed	6		12				18	\$3,258.00	
5.2	Preconstruction Conference	2		4		2		8	\$1,344.00	
5.3	Pay Estimates	4		20		4		28	\$4,632.00	
5.4	Final Acceptance	1		4				5	\$867.00	
5.5	Meetings and Coordination	8		16		8		32	\$5,376.00	
6	Construction Engineering and Observation							170	\$25,494.00	\$26,421.73
6.1	Submittal Review	4		16				20	\$3,468.00	
6.2	RFI Review	4		8				12	\$2,172.00	
6.3	Change Management	4		8				12	\$2,172.00	
6.4	Construction Observation and Reports	6		12		96		114	\$15,642.00	
6.5	Testing Report Review	2		4				6	\$1,086.00	
6.6	Post-Const. Observation	2				4		6	\$954.00	
7	Project Closeout Services							72	\$11,046.00	\$11,289.88
7.1	Testing/Startup/Commission	2		4		8		14	\$2,118.00	
7.2	Punchlist/Final Acceptance	2		6		12		20	\$2,958.00	
7.3	Record Drawings/System Maps	4		12		12		28	\$4,368.00	
7.4	Meetings and Coordination	2		4		4		10	\$1,602.00	
Total		101	28	226	16	198	24	593	\$94,969.00	\$97,643.88

Estimated Direct Expenses	
Mileage & Reproduction	\$2,432
Total	\$2,432

Project Fee Estimate Summary and Total	
Total Estimated Labor	\$94,969
Total Estimated Expenses	\$2,432
Total Fee Estimate (Rounded)	\$97,400

Notes and Assumptions:

(1) Scope of Work is for document review per element with time allocated above, for conformance with City standards.

(2) All hours and expenses are estimated, and may be increased or decreased within the total budget limit at the discretion of DEA's project manager. The DEA

(3) Client shall be responsible for direct payment of all permit, agency review, advertisement, service or other project expenses not expressly included in the Project Fee Estimate and/or Scope of Work.

David Evans and Associates, Inc.

Project Fee Estimate
25th Ave NE Hyd CIP (2022 - potential capacity driven design and construction project)

Project Number **tbd**
 Date **2/2/2021**
 Prepared By **THCO**

Estimated DEA Labor - Civil Engineering and Land Surveying Services										
Task/Subtask (1)	Personnel Positions and Hourly Billing Rates						DEA Labor		Total - w/ Subs., Exp. & Rounding	
	Project Manager	Survey Manager / Two Man Crew	Project Engineer	Design Engineer	CAD/GIS Technician	Admin. Assistant	Total Hours	Total Est. Fee		
	\$219.00	\$218.00	\$162.00	\$137.00	\$129.00	\$100.00				
1	Project Management						40	\$7,808.00	\$7,810.17	
1.1	Project Planning	12					16	\$3,028.00		
1.2	Monitoring and Control	4					8	\$1,276.00		
1.3	Meetings and Coordination	16					16	\$3,504.00		
2	Design - General						66	\$12,426.00	\$12,635.45	
2.1	Survey	4	32	4	16		56	\$10,692.00		
2.2	Construction Cost Est	2		8			10	\$1,734.00		
3	Design - Plans/Proj Mnl						250	\$38,716.00	\$40,292.75	
3.1	Plans	12		56	56		124	\$18,924.00		
3.2	Proj Mnl, Bid & Cntrct docs	8		16	12		42	\$6,492.00		
3.3	Proj Mnl, Tech Specs	12		56		16	84	\$13,300.00		
4	Permit						24	\$3,614.00	\$3,615.00	
4.1	COSH ROW Permit	2		12	8	2	24	\$3,614.00		
5	Bidding and Construction Administration						121	\$20,301.00	\$20,306.64	
5.1	Bidding and Notice to Proceed	6		12			18	\$3,258.00		
5.2	Preconstruction Conference	2		4	2		8	\$1,344.00		
5.3	Pay Estimates	4		18	4		26	\$4,308.00		
5.4	Final Acceptance	1		4			5	\$867.00		
5.5	Meetings and Coordination	12		36	16		64	\$10,524.00		
6	Construction Engineering and Observation						468	\$68,088.00	\$70,426.91	
6.1	Submittal Review	10		24			34	\$6,078.00		
6.2	RFI Review	6		8			14	\$2,610.00		
6.3	Change Management	6		8			14	\$2,610.00		
6.4	Construction Observation and Reports	24		48	320		392	\$54,312.00		
6.5	Testing Report Review	2		4			6	\$1,086.00		
6.6	Post-Const. Observation	4			4		8	\$1,392.00		
7	Project Closeout Services						72	\$11,046.00	\$11,313.07	
7.1	Testing/Startup/Commission	2		4	8		14	\$2,118.00		
7.2	Punchlist/Final Acceptance	2		6	12		20	\$2,958.00		
7.3	Record Drawings/System Maps	4		12	12		28	\$4,368.00		
7.4	Meetings and Coordination	2		4	4		10	\$1,602.00		
Total		159	32	344	16	458	32	1041	\$161,999.00	\$166,667.07

Estimated Direct Expenses	
Mileage & Reproduction	\$4,356
Total	\$4,356

Project Fee Estimate Summary and Total	
Total Estimated Labor	\$161,999
Total Estimated Expenses	\$4,356
Total Fee Estimate (Rounded)	\$166,400

Notes and Assumptions:

- (1) Scope of Work is for document review per element with time allocated above, for conformance with City standards.
- (2) All hours and expenses are estimated, and may be increased or decreased within the total budget limit at the discretion of DEA's project manager. The DEA
- (3) Client shall be responsible for direct payment of all permit, agency review, advertisement, service or other project expenses not expressly included in the Project Fee Estimate and/or Scope of Work.

Exhibit A
David Evans and Associates, Inc.
2021-2022 Puget Sound Region
Hourly Billing Rates

Rodney Langer	Principal in Charge	\$218.00
Evan Henke	Principal in Charge	\$216.00
Scott Christensen	Principal in Charge	\$219.00
Mary Dahl	Project Manager III	\$176.00
Craig Christensen	Professional Engineer III	\$162.00
Logan Lee	Professional Engineer I	\$128.00
Tucker Collins	Professional Engineer I	\$137.00
William (Billy) Gibbs	Engineering Designer II	\$105.00
David Jensen	Designer II	\$129.00
Scott Stcherbinine	GIS Analyst II	\$117.00
	Administrative Assistant	\$100.00
	Survey Manager	\$218.00
	Senior Professional Land Surveyor	\$196.00
	Professional Land Surveyor	\$175.00
	Survey Technician III	\$155.00
	Survey Technician II	\$130.00
	Survey Technician I	\$110.00
	2 Person Survey Field Crew	\$218.00
	Mileage	IRS Rate
	Subconsultants	Cost plus 10%
	Other Expenses	Cost plus 10%

Hourly rates for personnel or positions not listed above shall be billed at a rate of 3.0 times their hourly rate of pay.

Standard hourly rates are subject to adjustment effective March 1, 2022.

