

COUNCIL MEETING DATE: AUGUST 4, 2020



CITY COUNCIL AGENDA ITEM #8

STAFF PREPARER/CONTACT INFORMATION: Carolyn Meredith
Parks and Natural Resources Manager,
cmeredith@sunsetvalley.org

COUNCIL SPONSOR: Mayor Cardona (rcardona@sunsetvalley.org) / Administration

SUBJECT: INFRASTRUCTURE/PUBLIC WORKS

DESCRIPTION: Presentation with possible action for a plan forward with dates, timeline, and cost for "best case scenario" for the lift station.

BACKGROUND: The City of Sunset Valley maintains one lift station along Stearns Lane. This lift station was originally built in 1991. The lift station was not designed to adequately handle the type of waste that comes through the system. This includes the waste that comes from the commercial areas along HWY 290. The City has been discussing rehabilitating or retrofitting the station for a number of years.

The Public Works Department has been meeting with the City Engineers (Miller Gray) to discuss a scope of work to make changes to the lift station. The project proposal is attached. In the preliminary engineering phase, it is proposed to collect all relevant data, assess the facilities, conduct a flow analysis based on current and potential future usage, provide a cost estimate, and technical memorandum with recommendations for the rehabilitation of the lift station. Once these recommendations have been reviewed the project will then advance to final design and construction document preparation. The City Engineers will also provide project management through the course of the project. The projected timeline for this project would have the project begin construction in January of 2021. In the 2019-2020 Budget there was \$34,000 budgeted. There was a projection of \$221,685 in the 2020-2021 Budget according to the Utility Repair and Replacement planning document

APPLICABLE CODE SECTIONS: City of Sunset Valley Wastewater Standards and The Texas Commission on Environmental Quality Small Collection Systems.

FUNDING:

CURRENT YEAR FISCAL BUDGET				
ACCOUNT	BUDGET	ENCUMBERED	THIS ITEM	REMAINING
Utility Reserves- Water/Wastewater Repair and Replacement	Lift Station		34,000	
PRIOR YEAR FISCAL BUDGET(S)				
BUDGET YEAR	ACCOUNT	AMOUNT	TOTAL	NOTES

STAFF RECOMMENDATION: Approve the preliminary engineering study for the lift station.

SUPPORTING MATERIALS PROVIDED: YES

1. PRELIMINARY ENGINEERING PROPOSAL
2. PHOTOS
3. [UTILITY REPAIR AND REPLACEMENT BUDGET](#)

FEE ESTIMATE WORKSHEET

I LABOR COST DETAIL

Task	Description	Hourly Estimate by Labor Classification							Subtotals	
		Principal / Sr. Eng.	Proj. Mgr./ Engineer	Eng. Staff (EIT)	Sr. CAD Designer	CAD Designer	CAD Tech.	Admin	Time (hrs)	Cost (\$)
001	Project Management	4	8						12	\$ 1,880
002	Preliminary Engineering	1	32	40				2	75	\$ 9,170
003	Final Design & Construction Documents	1	40	60	40		60	2	203	\$ 21,930
004	Permitting		8	16				1	25	\$ 2,915
005	Bid Phase Services	1	16	16				2	35	\$ 4,330
006	Construction Phase Services	1	32	96				4	133	\$ 15,200
Hourly Subtotals:		8	136	228	40	0	60	11	483	\$ 55,425
Average Hourly Billing Rate:		\$180	\$145	\$105	\$110	\$95	\$85	\$75		
Cost Subtotal by Labor Classification:		\$1,440	\$19,720	\$23,940	\$4,400	\$0	\$5,100	\$825		

II COST SUMMARY

Labor:		
Miller Gray		\$ 55,425
Expenses (mileage, reproduction, etc.):		
Miller Gray		\$ 500
Heritage Title (Property Reports)		\$ 600
Subconsultants:		
Delta Survey Group, Inc. (Land Surveying)		\$ 6,300
S. Kanetzky Engineering, LLC (Electrical Engineering)		\$ 17,605
	Subconsultant Markup (10%)	\$ 2,391
TOTAL:		\$ 82,821

Note: The TCEQ fee for submitting an EAPP Lift Station Only is estimated to cost \$3,000 and is not noted above.

July 28, 2020

Ms. Sylvia Carrillo, CPM, ICMA-CM
City Administrator
City of Sunset Valley
3205 Jones Road
Sunset Valley, TX 78745

Delivered via email to cmeredith@sunsetvalley.org

**Re: Proposal for Professional Engineering Services
Master Contract - Work Order 017
Stearns Lane Lift Station Rehabilitation Project**

Dear Ms. Carrillo:

Miller Gray ("MG") is pleased to present this proposal to the City of Sunset Valley ("Client") to provide professional engineering services related to the proposed Stearns Lane Lift Station Rehabilitation Project near the intersection of Stearns Lane and Barton View Trail in Sunset Valley, Travis County, Texas. MG understands that the City needs to prepare an engineering design to rehabilitate and add operational efficiency to the existing wastewater pumping facility originally constructed in 1993. The scope of work is based on our recent discussions and experience with similar projects.

Our proposal includes a detailed scope of work, subconsultant services, technical standards & design criteria, special conditions, and a fee summary. The scope of work generally includes the following elements:

- Management of the project including design and permitting efforts;
- Preparation of a preliminary design including a cost estimate and facility assessment;
- Preparation of final design and construction plans, specifications, and estimates;
- Performance of bid phase services related to the public bid of the project; and,
- Performance of construction phase services related to the construction and commissioning of the pumping station.

SCOPE OF WORK

Task 1.0 Project Management

Miller Gray will be the managing representative of the design team and will directly coordinate with City staff on the design and permitting efforts. Miller Gray will also internally manage the subconsultants and provide a single point of contact.

- 1.1 Project pre-design meeting – The City will host a pre-design meeting including the Miller Gray and selected subconsultants. Miller Gray will prepare an agenda and distribute minutes of the meeting.
- 1.2 Project progress meetings – Miller Gray and those subconsultants necessary will attend project progress meetings monthly with the City for the duration of design. In addition, bi-weekly conference calls will be held to ensure continual communication. Miller Gray will prepare an

agenda and distribute meeting minutes of project progress meetings and send an email summary after the conference calls.

- 1.3 Project progress reports – Miller Gray will prepare monthly project progress reports including work accomplished to date, work anticipated during the next period, and budget and schedule updates.
- 1.4 Site Visit – Miller Gray and applicable subconsultants will visit the project site with City staff.

*Deliverables: Minutes and action items for each meeting.
Monthly project progress reports.*

Task 2.0 Preliminary Engineering

Miller Gray will prepare a preliminary engineering design for the lift station rehabilitation and document the efforts in a Technical Memorandum.

- 2.1 Data Collection – Miller Gray and its Subconsultants will obtain available record drawings, operation and maintenance manuals, and other relevant data on the existing lift station and associated forcemain. A tree, topographic, and boundary survey will be prepared for the existing lift station site.
- 2.2 Facility Condition Assessment – Miller Gray and its Subconsultants will perform a lift station condition assessment to document existing systems and their current condition and/or functionality based on data obtained in Tasks 1.4 and 2.1.
- 2.3 Flow Condition Analysis – Miller Gray will perform a flow condition analysis which examines current and projected flows at the lift station based on land use information provided by the City.
- 2.4 Cost Estimate – Miller Gray will prepare an Opinion of Probable Construction Cost for the planned rehabilitation project.
- 2.5 Technical Memorandum – Miller Gray and its Subconsultant will document the information generated in Task 002 within a Technical Memorandum which will include rehabilitation recommendations for operational improvements to the lift station and forcemain.

Deliverable: Technical Memorandum.

Task 3.0 Final Design & Construction Drawings

Miller Gray will prepare a final engineering design and construction drawings for the rehabilitation project in accordance with City of Sunset Valley and Texas Commission on Environmental Quality requirements. The design will be based on the rehabilitation recommendations contained within the Technical Memorandum and authorized by the City. A draft 80% and final 100% submittal will be prepared.

- 3.1 Final Plans – Miller Gray and its Subconsultant will prepare construction drawings with Civil and Electrical engineering plans and generally consist of the following:
 - Cover and General Notes Sheets
 - Existing Conditions (Including Tree & Topo Survey)
 - Demolition Plan

- Erosion & Sedimentation Control and Tree Protection Plans
 - Site / Dimension Control Plan
 - Lift Station Plan & Sections
 - Electrical Site Plan
 - Electrical Instrumentation Diagrams
 - Electrical Specifications
 - Various Detail Sheets
- 3.2 Project Manual – Miller Gray will prepare a Project Manual including all bid documents and the Stormwater Pollution Prevention Plan (SWPPP). The Project Manual will include detailed construction specifications using the City of Austin Standard Specifications as well as all remaining documents needed for the bid process using the City of Sunset Valley Standard Construction Contract Bid Documents. Miller Gray will prepare special provisions to the specifications and/or standalone special specifications, as necessary. The contract documents, technical specifications, and the SWPPP will be bound as part of the Project Manual.

*Deliverables: Draft & Construction Documents.
Draft & Final Project Manual.*

Task 4.0 Permitting

Miller Gray will submit a permit request to the TCEQ EAPP for a Sewage Collection System – Lift Station Only. Miller Gray will submit a permit request to the City of Sunset Valley and coordinate with Austin Water as necessary.

*Deliverables: EAPP Permit Application to TCEQ.
Permit Application to the City.*

Task 5.0 Bid Phase Services

Miller Gray and its Subconsultant will assist the City in the advertisement and bidding of the project. It is anticipated that the City will advertise and distribute the plans and specifications to prospective bidders. Miller Gray will provide the City with digital reproducible sets of the plans and contract documents.

- 5.1 Pre-Bid Meeting – Miller Gray will conduct a pre-bid meeting planned to be held at City offices (or virtually).
- 5.2 Addenda – Miller Gray will respond to questions from prospective bidders as well as prepare and issue addenda as appropriate to clarify the plans and specifications. Miller Gray will coordinate the issuance of addenda with the City. It is anticipated that only one addendum will be required for the Project.
- 5.3 Bid Review – Miller Gray will review the bids received for the project and make a formal recommendation to the City concerning the award of the project based on the amounts bid, a check of the contractor's references, an assessment of the contractor's capabilities, and the ability to meet the contract schedule.
- 5.4 Council Meeting – Miller Gray will attend one City Council meeting to support City Staff in presenting the project for final authorization.

Task 6.0 Construction Phase Services

Miller Gray and its Subconsultant will provide Construction Phase Services based on an assumed construction contract time of four (4) months. Additionally, Miller Gray will serve as a single point of contact for the City and manage the Subconsultants.

- 6.1 Issued for Construction Documents – Miller Gray will incorporate addenda items into the design documents and reissue them as “for construction” to the City for distribution.
- 6.2 Pre-construction Conference – Miller Gray will participate in the administrative pre-construction conference with the City and Contractor. The City will be responsible for providing an agenda and distributing meeting minutes, if necessary.
- 6.3 Construction Progress Meetings – Miller Gray will attend construction progress meetings to coordinate construction activities between the City, Engineer, and Contractor. The budget estimate is based on time to prepare for, attend and follow-up the meeting, as necessary. For budgeting purposes, Miller Gray assumes one weekly progress meeting for the duration of the project (estimated 16 total progress meetings).
- 6.4 Construction Observation and Site Visits – Miller Gray will provide limited construction observation. Site visits will be conducted in conjunction with the Construction Progress Meetings to observe construction activities, document progress of work, and to determine, in general, if the Work is proceeding in accordance with the contract documents. Each site visit will be documented with a field report. For budgeting purposes, Miller Gray assumes two weekly site visits for the duration of the project (estimated 32 total site visits).
- 6.5 Submittal and Shop Drawing Review – Miller Gray will review Contractor submittals, product data, shop drawings, schedules, etc. to check conformance with the contract documents. Miller Gray will distribute submittal reviews in accordance with the contract and will maintain a master submittal log.
- 6.6 Requests for Information/Clarification and Change Orders (RFI/RFC) – Miller Gray shall respond in writing to Contractor’s formal requests for information or requests for clarifications and as directed by the City with Miller Gray maintaining a file of all RFI/RFC’s and responses.
- 6.7 Change Orders – Miller Gray will review proposed allowance directives, change orders, supplemental agreements, and time extension requests from the Contractor and as directed by the City. Miller Gray will support City staff in negotiating final time change and compensation with Contractor.
- 6.8 Pay Requests – Miller Gray will review Contractor prepared pay requests and make recommendations to the City regarding payment.
- 6.9 Contract Closeout – Miller Gray will assist the City with closing out the project.
- 6.10 Substantial Completion Inspection and Punch List – After receipt from the Contractor that the Work is substantially complete, Miller Gray will attend an on-site review along with City staff. The City Inspector will document the “final punch list.” Once corrections have been completed, Miller Gray will attend a final inspection walkthrough with the City to witness project completeness.

- 6.11 Final Certification – Subsequent to the final inspection and upon final completion of the remaining punch list items, Miller Gray will certify that the project is in compliance with the contract documents based on level of involvement by the Engineer.

SUBCONSULTANT SERVICES

The nature of this project may require professional or consulting services from outside subconsultants. Miller Gray has included the following subconsultants under our contract to simplify the design and permitting process. Anticipated subconsultants and their respective fees are as follows:

- Surveying Services (Delta Survey Group, Inc.) – Prepare a tree, topo, and boundary survey for design at the Lift Station site, two adjacent manholes, and the access road.
- Electrical Engineering Services (S. Kanetzky Engineering, LLC) – Prepare a site visit, condition assessment, preliminary design, final design, construction documents, bid phase services, & construction phase services.

Additional subconsultants identified through the execution of the tasks described above will be provided under a separate Additional Service Request.

TECHNICAL STANDARDS & DESIGN CRITERIA

- AutoCAD Civil 3D (2018)
- City of Sunset Valley Code
- City of Austin Technical Criteria Manuals
- City of Austin Standard Specifications Manual
- City of Austin Standards Manual
- Title 30 Texas Administrative Code (30 TAC), applicable chapters for Edwards Aquifer (Chapter 213) and Wastewater (Chapter 217) design
- Texas Manual on Uniform Traffic Control Devices (TMUTCD)
- Environmental requirements per applicable jurisdiction: City, TCEQ, COA, EPA, and US Army Corps of Engineers (USACE)

SPECIAL CONDITIONS

In preparing this proposal, MG has made the following assumptions:

1. The planned project consists of the rehabilitation of the existing lift station with no new impervious cover and/or new wet well added.
2. The planned project will not require permits for the existing Sewage Collection System other than for the Lift Station only.
3. The planned project will not require a Geologic Assessment or Water Pollution Abatement Plan.
4. The planned project will not require the design and permitting of any stormwater detention pond and/or water quality control measures.
5. Impacts to regulated floodplains are not anticipated.
6. Review fees and fees associated with permitting, review, approval, and inspection of this project will be paid directly by the City.

7. City is responsible for advertising, printing bid documents, handling contractor deposits, conducting bid opening, evaluating bid compliance, preparing bid tabulations, and making recommendations of award to City Council. Consultant will provide issued for bid original documents as described in Task 5.0.
8. City will provide overall construction administration and inspection services for the duration of construction.
9. Client will negotiate any right-of-entry with the private property owners as required for the analysis and design of the proposed improvements.
10. No variances or waivers are required other than described above.
11. The project will not require a license agreement.
12. The project will not encounter significant opposition from the City, County, State or Federal review agencies; neighborhood groups; environmental groups; etc.

The following items are not included in this proposal:

1. Subsurface Utility Engineering (SUE) services.
2. Other professional services not specifically identified above.
3. Preparation of and procurement of easement documents, including easement vacations.
4. Construction material sampling and testing.
5. Preparation of unified development agreements, restrictive covenants, easement dedication documents or other legal services.
6. Federal permitting: Section 404 Permitting for Waters of the US or FEMA permitting services (CLOMR, LOMR, etc.)
7. Environmental site assessments, including Phase 1; Geological studies; or endangered species studies.
8. Other professional services: Architectural, Landscape Architectural, Mechanical, or Licensed Irrigator.
9. Structural designs, including retaining walls.
10. Governmental review fees.

The preceding items may be provided under a separate Additional Service Request, if found to be necessary or are requested by the Client.

FEE SUMMARY

The services will be provided for the estimated fees shown in the attached Budget Estimate Worksheet in accordance with the Sunset Valley Billing Rates and General Agreement for Engineering Services and Consulting ("Agreement").

Fees for the above services will be invoiced monthly for the services performed that month. All tasks shown in the Budget Estimate Worksheet will be billed on a time-and-materials basis. Miller Gray will not exceed the estimated budget without prior approval from the Client.

Any additional or out-of-scope services will be provided on an hourly basis or be described and authorized in an Additional Services Request. The Client will be notified prior to the initiation of any such services.

If the terms of this proposal meet with your approval, please sign in the space provided below and return copies for our records. The terms and conditions of our existing General Agreement for Engineering Services and Consulting dated November 27, 2017, will apply.

Miller Gray thanks you for this opportunity to provide this proposal and we look forward to working with you on this project. If you have any questions, please call us at (512) 861-5300 or email Dale Gray at dale.gray@miller-gray.com.

Sincerely,

MillerGRAY

TBPE Firm Reg. No. F-16302



Rachel Gray, MA
President/CEO

Attachments:

- A – Fee Estimate Worksheet
- B – Electrical Subconsultant Proposal from S. Kanetzky Engineering, LLC
- C – Survey Subconsultant Proposal from Delta Survey Group, Inc.
- D – MG Sunset Valley Billing Rate Schedule

Cc: Dale W. Gray, P.E., *Principal* – Miller Gray LLC
Samuel Shorter, P.E., *Senior Engineer* – Miller Gray LLC

Accepted By:

Client

Signature

Date

Printed Name / Title

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8213 Brodie Lane - Suite 102 - Austin Tx. 78745

Phone (512) 282-5200

WWW.DELTASURVEYGROUP.COM

TBPLS Firm No. 10004700

7/24/2020

Samuel Shorter, PE
MillerGray
7320 N. MoPac Expy Ste 203
Austin TX 78731

Dear Samuel,

Listed below are the survey services for the Stearns Lane List Station project and as shown on the attached exhibit. Thank you for the opportunity to provide this proposal. We are looking forward to working with you on this project.

SCOPE OF SERVICES:

Survey for Lift Station Site rehab

Please see Exhibit for breakdown of exact services needed in different areas

Delta Survey Group Inc. will perform an "on the ground" survey of the parent tract boundary. The boundary survey services will include:

Review and analyze all current subject deeds, adjoining deeds or plats and right-of-way information

Locate all needed property corners, fences, and/or other items that will allow us to address apparent conflicts and discrepancies that might exist with the current adjoining deeds and plats

Locate visible improvements within the site and along the perimeter that encroach onto or off of the subject property

Review all easements as listed in the Client supplied title commitment and address all easements and show them on the final plat to the extent there is a sufficient description. This proposal includes no research by Delta Survey Group, Inc. of any record easement information. ***We would request that DSGI be provided the commitment and schedule B documents as soon as possible.***

The survey will graphically show the 100-year flood zone as shown on the F.E.M.A. flood maps, or note that it does not lie within a said zone per the F.E.M.A. map.

Delta Survey Group Inc. field survey personnel (as differentiated from a qualified arborist) will tag and locate all trees 4 inch (diameter breast high) and greater.

A tree list with tag numbers, tree diameter and species (common name) will be provided in an ASCII file and will be plotted.

Using the formula of 1 foot of crown radius for each inch of trunk diameter, the calculated canopy for all located trees will be shown.

Delta Survey Group Inc. will obtain elevations at sufficient intervals and major grade breaks to prepare a one-foot contour interval map..

The topographic map will show the location of all visible utilities in the immediate vicinity of the project with flowlines of manholes.

DSGI will locate any driveway and note composition within 200 feet of the project.

DSGI will set two TBM's within or close to the site Two horizontal control points will also be set.

Utilizing AutoCAD and Carlson digital terrain modeling programs, a one foot interval contour map and digital terrain model will be prepared for the project area.

All planimetric features of the topographic map will be depicted on one elevation (as a plane surface)

NOTE:

the west line of the parent tract and the 15' wide esmt will not be topo'd.

DSGI will locate 'one-call' markings as arranged by others

DSGI will need access to lift station well and vault

Deliverables:

Working drawing with boundary, contours, improvements, utilities and trees.

AutoCAD 2013 drawing file in digital format.

**THIS SCOPE OF SERVICES AND FEE AGREEMENT IS VALID FOR 90 DAYS
FROM THE DATE OF THE PROPOSAL**

Job: CoSV Stearns Ln Lift Sta

Client reference/job number: _____

Billing Information

Business Name: _____

Address: _____

Address _____

Phone: _____

Contact Person _____

Email: _____

Do you prefer mailed invoices or emailed invoices?

Mail ____ **Emailed** ____

Professional Services - All surveying services are regulated under the Texas Board of Professional Land Surveying. They can be contacted at 12100 Park 35 Circle, Bldg. A, Ste 156, Austin, Texas, 78753.

Invoices - Invoices for fees and all other charges will be submitted monthly for all services rendered as the work progresses, or upon completion of the project, and the net amount shall be due and payable within thirty (30) days of the date of billing at Delta Survey Group Inc.'s office in Austin, Travis County, Texas.

Client's obligation to pay - Client's obligation to pay is solely that of Client, and the acts or omissions of any third party shall not affect that obligation. All sums due and not received within thirty (30) days of the original date of invoice shall be construed as past-due.



S. Kanetzky Engineering, LLC
Mechanical, Electrical, Plumbing Consulting Engineers

July 8, 2020

Samuel Shorter, P.E.
Miller Gray
7320 N Mopac Expy, Suite 203
Austin, Texas 78731

Ref: Proposal for Engineering Services for Stearns Lane Lift Station

Dear Sam,

We respectfully submit our proposal for electrical engineering design services for Stearns Lane lift station located in Sunset Valley, Texas. This proposal conveys our understanding of the scope of the project, the services we are providing and our estimated fee to provide these services.

1.0 Scope of the Project:

The proposed project includes the electrical investigation and design for an existing duplex lift station. The electrical scope of work includes:

- Preliminary site investigation
- Lift station condition statement
- Coordinate with the local electric utility to discuss budget cost of upgrading power to 277/480V, 3 Phase.
- Electrical design for anticipated lift station upgrade needs including:
 - New Pump Control Panel with VFD's
 - New controls (Submersible level transducer and floats)
 - New equipment mounting rack and awning
 - New site lighting
 - New flow meter
 - New cellular auto dialer
 - New power distribution equipment as needed
- Design the electrical service feeder as required.
- Design the grounding and lightning protection (SPD) systems.
- Provide electrical load analysis calculation.

P. O. Box 90279 • Austin • Texas • 78709-0279
5920 West William Cannon Drive • Building 7 • Suite 200 • Austin • Texas • 78749

Telephone (512) 326-3380 • Facsimile (512) 329-5774 • www.skaneng.com

2.0 Proposed Scope of Services:

The proposed scope of the project includes providing construction documents for the following:

Electrical Basic Design Services

SKE will provide electrical engineering plans and specifications in accordance with the National Electrical Code and National Fire Protection Association requirements. Plans will be produced on backgrounds furnished by **Miller Gray**. The backgrounds are to be in the form of AutoCAD 2021 files. **Miller Gray** shall provide all load and voltage information for all the lift station equipment, as well as locations of this equipment and electrical connections. **SKE** will:

- Coordinate with the local electric utility as required.
- Design the electrical service feeder from the utility company equipment as required.
- Provide condition statement concerning the existing electrical power distribution system including main panel, distribution, transformers, controls and feeders and recommend upgrades and/or changes as required.
- Design the grounding and lightning protection (TVSS) systems.
- Design the circuiting to the lighting plan for the site.
- Design new cellular auto dialer system.
- Provide electrical load analysis calculation.

2.1 Preliminary Data

SKE will require from **Miller Gray** the following information before starting design:

- 100 percent complete architectural/civil backgrounds along with completed elevations, being used in the project.
- Equipment specification sheets

2.2 Schedule

SKE will complete these services per the proposed schedule and after receiving written approval from **Miller Gray** on these services and all preliminary data as described above. Any changes made after delivery of completed architectural/civil backgrounds to consultant will require additional time in the schedule.

2.3 Preliminary Phase

- Attend site visit for preliminary site investigation.
- Prepare a lift station condition statement.
- Coordinate with local electrical utility company regarding budget cost and schedule for three-phase power to site.
- Answer City questions and concerns regarding phase conversion utilizing VFD's

2.3 Design Phase

- Coordination of all electrical site utilities with the Civil Engineer.
- Prepare electrical Construction documents (60% and 100% submittals).
- Prepare electrical Specifications (60% and 100% submittals).
- One set of reproducible drawings and specs.
- Reimbursable expenses.

2.4 Bid Phase

- Respond to RFIs
- Issue any addenda
- Review bid tabulations

2.5 Construction Phase

- Submittal review
- Respond to RFIs
- Final Punch List/Inspection (One during construction and one final site visit)
- As-built drawings
- Pre-construction meeting
- Assistance with commissioning
- Engineer's concurrence letter and preparation of record drawings

2.6 Exclusions

- Standby emergency generator
- Generator connection cabinet
- SCADA
- Design kickoff meeting
- Pre-bid meeting
- Construction cost budgeting
- UPS power system design.
- Voice and Data System wiring design.
- Security System design.
- CCTV design.
- HVAC Engineering
- Plumbing Engineering
- Civil Engineering
- Structural Engineering (concrete pads)
- Architectural Design

2.7 Add Services (to be determined)

- Additional design review meetings
- Revised design for major electrical components
- Design phase schedule delays
- Construction cost estimating

2.8 Fee

SKE will provide the engineering services described in the proposed Scope of Services on a fixed fee basis. The estimated fee to provide these services is as follows:

Design Phase	\$11,445.00 Fixed Fee
Bid Phase	\$1,680.00 Fixed Fee
Construction Phase	\$4,480.00 Fixed Fee
Reimbursable expenses	\$0.00 ⁽¹⁾

(1) (Included in the Construction Document Phase, additional meetings and site visits will be considered add services)

The total fee is **\$17,605.00** will not be exceeded without prior approval from the **Miller Gray**. All time and material services will be provided in accordance with SKE standard rate form. See attached.

If this proposal is acceptable, please sign the proposal below and return one copy for our files. If you have any questions, please feel free to give us a call or email me at skanetzky@skaneng.com

Sincerely,

S. Kanetzky Engineering, LLC



Steve L. Kanetzky, P.E.
President

Acceptance of Proposal: *Miller Gray*

Name

Title

Signature

Date

SUNSET VALLEY BILLING RATES

Standard Hourly Rates

Principal/Sr. Engineer	\$150 - \$180
Project Manager/Engineer	\$105 - \$145
Engineering Staff (EIT)	\$90 - \$110
Sr. CAD Designer	\$95 - \$120
CAD Designer	\$85 - \$100
CAD Technician	\$75 - \$95
Administrative	\$50 - \$75

Reimbursables/Reproductions

Miscellaneous expenses including printing, courier, etc. will be invoiced at cost to MG plus a 10% administrative and handling charge. Mileage will be invoiced at the federal standard mileage rate for the current period.

Subconsultants

All subconsultant services will be invoiced at cost to MG plus a 10% administrative and handling charge.