

**Notice of Meeting for the
Georgetown Utility System Advisory Board and the Governing Body
of the City of Georgetown
September 13, 2019 at 2:00 PM
at Georgetown Municipal Complex, 300-1 Industrial Avenue, Georgetown TX**

The City of Georgetown is committed to compliance with the Americans with Disabilities Act (ADA). If you require assistance in participating at a public meeting due to a disability, as defined under the ADA, reasonable assistance, adaptations, or accommodations will be provided upon request. Please contact the City Secretary's Office, at least three (3) days prior to the scheduled meeting date, at (512) 930-3652 or City Hall at 808 Martin Luther King Jr. Street, Georgetown, TX 78626 for additional information; TTY users route through Relay Texas at 711.

Regular Session

(This Regular Session may, at any time, be recessed to convene an Executive Session for any purpose authorized by the Open Meetings Act, Texas Government Code 551.)

A Call to Order

The Board may, at any time, recess the Regular Session to convene in Executive Session at the request of the Chair, a Board Member, the City Manager, Assistant City Manager, General Manager of Utilities, City Council Member, or legal counsel for any purpose authorized by the Open Meetings Act, Texas Government Code Chapter 551, and are subject to action in the Regular Session that follows.

B Introduction of Visitors

Employee Recognition -- None submitted at time of posting

C September 2019 GUS Board Project Updates & August Council Actions --

Wesley Wright, P.E., Systems Engineering Director/Michael Hallmark, CIP Manager

D Industry Updates

Legislative Regular Agenda

E Public Wishing to Address the Board

On a subject that **is posted on this agenda**: Please fill out a speaker registration form which can be found on the table at the entrance to the Board Meeting. Clearly print your name and the letter of the item on which you wish to speak and present it to the Staff Liaison, **prior to the start of the meeting**. You will be called forward to speak when the Board considers that item. Only persons who have delivered the speaker form **prior** to the meeting being called to order may speak.

On a **subject not posted on the agenda**: Persons may add an item to a future Regular scheduled Board agenda by filing a written request with the Staff Liaison **no later than one week prior to the Board meeting**. The request must include the speaker's name and the specific topic to be addressed with sufficient information to inform the board and the public. **Only those persons who have submitted a timely request will be allowed to speak**. For Board Liaison contact information, please logon to <https://government.georgetown.org/georgetown-utility-system-advisory-board-gus/>.

-- At time of posting, no persons had signed up to address the Board.

- F Review and possible action to approve the minutes from the regular GUS Board meeting held on August 9, 2019. - Sheila K. Mitchell, GUS Board Liaison
- G Consideration and possible recommendation to approve the purchase of Bioxide from Evoqua Water Technologies LLC of Sarasota, Florida, in an amount not to exceed \$88,600.00, for Fiscal Year 2019/2020. -- David W. Thomison, Water Services Manager/Mike Welch, Plant Operations Superintendent
- H Consideration and possible recommendation to approve the renewal #3 to the contract agreement # 17-0101 for Water and Wastewater Treatment Plant and Distribution chemicals to Brenntag Southwest, Inc., in the estimated amount of \$357,728.52. – David Thomison, Water Services Manager/Mike Welch, Plant Operations Superintendent
- I Consideration and possible recommendation to approve annual task orders: Task Order MEI-20-001 for Electric System and Planned Capital Improvement Projects in the amount not to exceed \$200,000, Task Order MEI-20-002 for Electric System Engineering Planning and Assistance in the the amount not to exceed \$250,000, and Task MEI-20-003 for New Development Engineering and Design in the amount not to exceed \$590,000 with McCord Engineering Inc., of College Station, Texas for professional engineering services. -- Wesley Wright, PE, Systems Engineering Director
- J Consideration and possible recommendation to approve a contract with Keystone Construction Services, LP of Austin, Texas for the San Gabriel WWTP Dewatering Improvements project in the amount of \$3,013,050.00. - Wesley Wright, P.E., Systems Engineering Director/Michael Hallmark, CIP Manager
- K Consideration and possible recommendation to execute Task Order CDM-19-008-TO with CDM Smith for Total Dissolved Solids (TDS) source and reduction analysis for three of the City's wastewater treatment plants in the amount of \$57,000.00 - Glenn W. Dishong, Utility Director

Adjournment

Certificate of Posting

I, Robyn Densmore, City Secretary for the City of Georgetown, Texas, do hereby certify that this Notice of Meeting was posted at City Hall, 808 Martin Luther King Jr. Street, Georgetown, TX 78626, a place readily accessible to the general public as required by law, on the _____ day of _____, 2019, at _____, and remained so posted for at least 72 continuous hours preceding the scheduled time of said meeting.

Robyn Densmore, City Secretary

City of Georgetown, Texas
Utility System Advisory Board
September 13, 2019

SUBJECT:

Call to Order

The Board may, at any time, recess the Regular Session to convene in Executive Session at the request of the Chair, a Board Member, the City Manager, Assistant City Manager, General Manager of Utilities, City Council Member, or legal counsel for any purpose authorized by the Open Meetings Act, Texas Government Code Chapter 551, and are subject to action in the Regular Session that follows.

ITEM SUMMARY:

FINANCIAL IMPACT:

N/A

SUBMITTED BY:

City of Georgetown, Texas
Utility System Advisory Board
September 13, 2019

SUBJECT:

September 2019 GUS Board Project Updates & August Council Actions --
Wesley Wright, P.E., Systems Engineering Director/Michael Hallmark, CIP Manager

ITEM SUMMARY:

GUS Item Update Coversheet September 2019

Berry Creek Wastewater Interceptor – 3CJ

Santa Clara crews have installed all the 36” pipe, and 11,400 LF of 30” pipe and all testing from MH-1 through MH-16 is complete

Berry Creek Wastewater Interceptor Phases 1, 2 & 3

Alternative routing around Berry Springs Park under review and redesign

Braun Elevated Storage Tank (EST)

Steel crew is on site and have the lower cone transition panels set in place

Cedar Breaks to Pastor Dedicated Water Line

Crews have installed 9,150 LF of 24” waterline & now trenching and installing on Rio Bravo. 7,800 LF of 24” has been filled/tested

CR 255

Recommended by GUS 10/09/15, approved by CC on 10/27/15. Preliminary Construction Plans are near 80% complete & Easements 50% complete

EARZ Area 1 - 2018

PM Construction has completed Point Repairs, Pipe Bursting & manhole Rehab has been completed. ACM Lift Station being taken Off-Line and demo out

Lake WTP Chemical Storage Improvements

Task Order approved by GUS Board 12/8/17 & City Council 12/12/17. Possibly combined with another Project

Lake WTP Raw Water Intake & Pump Station Improvements

Divers have installed all 9 slide gates & gate control stems/brackets. Pipe work to be installed during low water usage months in the Fall

Park Lift Station

Task Order recommended by GUS 2/10/17 & approved by City Council 2/18/17. 100% Design Plans & Specs being reviewed by Staff, Bids in Fall 2019

Pastor Pump Station

Both submersible pumps and pump control valves set in place and able to run in automatic mode

Pecan Branch WWTP

Continued work on the scum box on aeration basin 1 for the chopper pumps. Working on cleaning out aeration basins 1 and 2 to get them back in service. Continue to work towards substantial completion

Ronald Reagan Water Line

Ronald Reagan water line is installed and online, all the hydro mulching is complete. Mission Oaks all the 24” has been installed and the 12” water line to be extended and then tested

San Gabriel Wastewater Treatment Plant – Belt Press

Project Out for Bid first week in August with Bid Opening 8/29/19

Shell Road Water line

Final Design Plans are 90% complete & Easements are 60% complete

South Lake Water Treatment Plant – Intake & Raw Waterline

Task Order approval by GUS Board 1/11/19 & City Council 1/22/19

Sun City 2.0 MG Elevated Storage Tank

New EST is online. New perimeter fence in installed. 50% of area is hydro-mulched. Last remaining task's delayed until after peak demand.

Water Tank Rehab- 2018

CDM Task Order recommended by GUS Board 12/8/17 & approved by Council 12/12/17
Tentatively out for Bid Fall 2019

West University 2018 Waterline Improvements

Project near completion & in Close Out Phase for paperwork

August Council Actions -- see attached

FINANCIAL IMPACT:

N/A

SUBMITTED BY:

Wesley Wright, P.E., Systems Engineering Director/Michael Hallmark, CIP Manager

ATTACHMENTS:

Description		Type
<input type="checkbox"/>	September 2019 GUS Board Project Updates	Backup Material
<input type="checkbox"/>	August Council Actions	Backup Material

GUS Item Update Coversheet September 2019

Berry Creek Wastewater Interceptor – 3CJ

Santa Clara crews have installed all the 36” pipe, and 11,400 LF of 30” pipe and all testing from MH-1 through MH-16 is complete

Berry Creek Wastewater Interceptor Phases 1, 2 & 3

Alternative routing around Berry Springs Park under review and redesign

Braun Elevated Storage Tank (EST)

Steel crew is on site and have the lower cone transition panels set in place

Cedar Breaks to Pastor Dedicated Water Line

Crews have installed 9,150 LF of 24” waterline & now trenching and installing on Rio Bravo. 7,800 LF of 24” has been filled/tested

CR 255

Recommended by GUS 10/09/15, approved by CC on 10/27/15. Preliminary Construction Plans are near 80% complete & Easements 50% complete

EARZ Area 1 - 2018

PM Construction has completed Point Repairs, Pipe Bursting & manhole Rehab has been completed. ACM Lift Station being taken Off-Line and demo out

Lake WTP Chemical Storage Improvements

Task Order approved by GUS Board 12/8/17 & City Council 12/12/17. Possibly combined with another Project

Lake WTP Raw Water Intake & Pump Station Improvements

Divers have installed all 9 slide gates & gate control stems/brackets. Pipe work to be installed during low water usage months in the Fall

Park Lift Station

Task Order recommended by GUS 2/10/17 & approved by City Council 2/18/17. 100% Design Plans & Specs being reviewed by Staff, Bids in Fall 2019

Pastor Pump Station

Both submersible pumps and pump control valves set in place and able to run in automatic mode

Pecan Branch WWTP

Continued work on the scum box on aeration basin 1 for the chopper pumps. Working on cleaning out aeration basins 1 and 2 to get them back in service. Continue to work towards substantial completion

Ronald Reagan Water Line

Ronald Reagan water line is installed and online, all the hydro mulching is complete. Mission Oaks all the 24" has been installed and the 12" water line to be extended and then tested

San Gabriel Wastewater Treatment Plant – Belt Press

Project Out for Bid first week in August with Bid Opening 8/29/19

Shell Road Water line

Final Design Plans are 90% complete & Easements are 60% complete

South Lake Water Treatment Plant – Intake & Raw Waterline

Task Order approval by GUS Board 1/11/19 & City Council 1/22/19

Sun City 2.0 MG Elevated Storage Tank

New EST is online. New perimeter fence in installed. 50% of area is hydro-mulched. Last remaining task's delayed until after peak demand.

Water Tank Rehab- 2018

CDM Task Order recommended by GUS Board 12/8/17 & approved by Council 12/12/17

Tentatively out for Bid Fall 2019

West University 2018 Waterline Improvements

Project near completion & in Close Out Phase for paperwork

Project: Berry Creek Wastewater Interceptor
Phase 1,2, &3
Project#
Update – September 2019

Project Description: This project will consist of approximately 21,500 linear feet of wastewater interceptor ranging in diameter from 36-inch to 48-inch from the existing Berry Creek lift station to the existing Pecan Branch Wastewater Plant. The alignment of the interceptor will generally follow Berry Creek.

Purpose: The purpose of this project is to add wastewater capacity in Sun City, provide wastewater service to the Shell road area, and will allow Sun City Lift Station to come off line.

Project Manager: Ken Taylor

Engineer: Walker Partners, LLC

Contractor: TBD

Phase	Start	Finish	Status / Comments
Preliminary Engineering			Recommended by GUS 10/13/17 Approved by City Council 10/23/17. Boring samples being analyzed
Final Design	Fall 2019	Spring 2020	
ROW / Easements			
Bid / Award Bid #			Alternative routing around Berry Springs Park under review and redesign
Construction			
Post Construction			



Project: Braun EST
Project# 2JG
Update – September 2019

Project Description: This project involves - Design, bidding and general services during construction for a 3 MG elevated storage tank (EST) at the Braun EST site

Purpose: The purpose of this project is to add additional elevated water storage capacity and meet the demands of the water system in the 1178 pressure plane.

Project Manager: Ken Taylor

Engineer: CDM

Contractor: Landmark Structures

Phase	Start	Finish	Status / Comments
Preliminary Engineering	January 2018	March 2018	Task Order approved by GUS Board 12/8/17 & by City Council 12/12/17
Final Design	April 2018	July 2018	
ROW / Easements			
Bid / Award Bid #	September 2018	October 2018	Approved by GUS Board & Council in October
Construction	January 2019	June 2020	Steel crew is on site and have the lower cone transition panels set in place
Post Construction			



Project: Cedar Breaks EST – Pastor 24 Inch Dedicated Water Line
Project# 2JI
Update – September 2019

Project Description: This project will consist of approximately 12,000 linear feet water line that will run from Cedar Breaks Elevated Storage Tank to the Pastor Ground Storage Tank. The waterline will run in DB Woods Rd right-of-way for the northern portion and around the north and western border of Wood Ranch for the southern portion.

Purpose: The purpose of this project is to run a dedicated water line from Cedar Breaks EST to Pastor Pump Station, this dedicated 24-inch waterline will allow the Pastor Pump Station to fill without depleting the existing distribution system and effecting fire flow. This will also increase the capacity of the Pastor Pump Station to keep up with growth and demand in the Western District.

Project Manager: Ken Taylor

Engineer: CDM Smith

Contractor: Prota Construction

Phase	Start	Finish	Status / Comments
Preliminary Engineering	July 2018	September 2018	Task Order approved by GUS Board 6/6/18 & City Council 6/26/18
Final Design	October 2018	November 2018	Preliminary Survey work starting
ROW / Easements	July 2018	November 2018	Complete
Bid / Award Bid #	January 2019	February 2019	Approved by Council 2/19
Construction	Early 2019	October 2019	Crews have installed 9,150 LF of 24" waterline & now trenching and installing on Rio Bravo. 7,800 LF of 24" has been filled/tested
Post Construction			



Project: County Road 255 Waterline Improvements

Project# 2JE

Update – September 2019

Project Description: This project involves upgrading the existing 15-inch water main with 16-inch C-905 or DI pipe. This project will consist of approximately 44,500 LF of 16-inch water main replacement.

Purpose: The purpose of this project is to upgrade the class pipe water mains to C-905 or DI pipe, and replace this existing main that has a large amount of water leaks.

Project Manager: Ken Taylor

Engineer: KPA

Contractor: TBD

Phase	Start	Finish	Status / Comments
Preliminary Engineering	October 2015	March 2016	Recommended by GUS 10/09/15, approved by City Council on 10/27/15.
Final Design	March 2016	Winter 2019	80% Complete
ROW / Easements	October 2015		50% complete
Bid / Award Bid #			
Construction			
Post Construction			

Project: EARZ Area 1 - 2018
Project# 3CQ
Update – September 2019

Project Description: This project will consist of pipe bursting, cured-in-place, open trench, & rehabbing manholes.

Purpose: The purpose of this project is to make repairs on the wastewater collection system to be in compliance with TCEQ rules and regulations.

Project Manager: Chris Logan


Engineer: KPA

Contractor: PM Construction

Phase	Start	Finish	Status / Comments
Preliminary Engineering	March 2017	June 2017	Task Order Recommended by GUS 2/10/17 Approved by CC 2/28/17
Final Design	June 2017	August 2017	September 2018, reviewing 90% plans
ROW / Easements	N/A	N/A	N/A
Bid / Award Bid # Bid opening			Approved by City Council 12/11/18
Construction			PM Construction has completed Point Repairs, Pipe Bursting & manhole Rehab
Post Construction			

City of Georgetown, Texas
EARZ WASTEWATER REHABILITATION
AREA 1-2018

City Council
 Mayor
 Dale Rose
 Mayor Pro-Tem
 Anna Fly
City Council Members
 Anna Fly DW301.1
 Valerie McWhorter DW301.2
 John Benson DW301.3
 Scott Frazier DW301.4
 Ty Latham DW301.5
 Rachael Anderson DW301.6
 Tamiya Gaudin DW301.7
City Manager
 David Morgan



EST. 1848
 GEORGETOWN
 TEXAS

KPA
 KANSBEC, HENRIK & ASSOCIATES, LP
 CONSULTING ENGINEERS
 10000 N. FARM ROAD, SUITE 100
 FORT WORTH, TEXAS 76177
 (817) 335-1111

Approved by the City of Georgetown, Texas
 City of _____ day of _____, 2018.

Director, Systems Engineering _____ DW301.5
 Manager, Systems Engineering _____ DW301.5

Project: Lake Water Treatment Plant Raw Water Intake & Pump Station Maintenance Improvements
Project# 2CU
Update – September 2019

Project Description: This project involves - Design bidding and general services during construction for the maintenance improvements consist of replacing the intake gates and other general maintenance on the 40-year-old intake. The maintenance improvements also consist of replacing some discharge piping at the Raw Water Pump Station

Purpose: The purpose of this project is the replacing the intake gates and other general maintenance on the 40-year-old intake. There will also be revisions to the discharge piping that will reduce the pump head loss at the existing pump

Project Manager: Ken Taylor

Engineer: CDM

Contractor: Huffman Contractors

Phase	Start	Finish	Status / Comments
Preliminary Engineering	October 2017	November 2017	Approved by GUS Board 9/17 & City Council September 17
Final Design	November 2017	February 2018	
ROW / Easements			
Bid / Award Bid #	April 2018	May 2018	Approved by City Council 5/22/18
Construction	Fall 2018		Divers have installed all 9 slide gates & gate control stems/brackets. Pipe work to be installed during low water usage months in the Fall
Post Construction			



Project: San Gabriel Park Lift Station Improvements
Project# 3CN
Update – September 2019

Project Description: This project will consist of the construction a new wastewater lift station with appurtenant electrical and instrumentation improvements.

Purpose: The purpose of this project is to provide wastewater service for growth and development in the San Gabriel Wastewater Basin.

Project Manager: Ken Taylor

Engineer: KPA

Contractor: TBD

Phase	Start	Finish	Status / Comments
Preliminary Engineering	March 2017	June 2017	Recommended by GUS 2/10/17& City Council 2/18/17
Final Design	July 2017	December 2017	90% Plans under review by Staff TCEQ variance under review
ROW / Easements	N/A	N/A	
Bid / Award Bid #			Tentatively Bids in Fall 2019 Reviewing 100% Plans & Specs prior to Bid
Construction			
Post Construction			

City of Georgetown, Texas

SAN GABRIEL PARK LIFT STATION

IMPROVEMENTS

100% SET



City Council

Mayor

Dale Rose

Mayor Pro-Tem

Ann City

City Council Members

Anna Eby District 1

Valerie Nicholson District 2

John Mosser District 3

Steve Pough District 4

Ty Olsson District 5

Richard Johnson District 6

Tommy Gonzalez District 7

City Manager

Casey Morgan

Approved by the City of Georgetown, Texas
this _____ day of _____, 2019.

Director,
System Engineering _____ Date _____

Manager,
System Engineering _____ Date _____



KASBERG KATZ & ASSOCIATES, LP
CONSULTING ENGINEERS
2000 W. 11TH STREET, SUITE 100
GEORGETOWN, TEXAS 78626
TEL: 512.932.1111 FAX: 512.932.1112



Ken Taylor
4-16-18

Project: Pastor Pump Station
Project# 2BZ
Update – September 2019

Project Description: This project involves upgrading the existing pump station with two new motors, pumps, electrical, instrumentation & HVAC. Design of pipeline improvements to provide more water to the Pastor Pump Station and to complete the West Loop Water Line near SH 29 and DB Wood Road.

Purpose: The purpose of this project is to upgrade pipeline improvements and to provide more water to the Pastor Pump Station and to complete the West Loop Water Line near SH 29 and DB Wood Road.

Project Manager: Ken Taylor

Engineer: CDM

Contractor: Archer Western

Phase	Start	Finish	Status / Comments
Preliminary Engineering	May 2017	October 2017	Task Order recommended by GUS 4/14/17 and goes to Council 4/25/17.
Final Design	October 2017	February 2018	
ROW / Easements			
Bid / Award Bid #			GUS Board approved Contract with Archer Western 3/9/18 and Council approved 3/27/18
Construction	April 2018	August 2019	Both submersible pumps and pump control valves set in place and able to run in automatic mode



Project: Pecan Branch Wastewater Treatment Plant Expansion
Project# 3CA
Update – September 2019

Project Description: The project includes expanding the existing Pecan Branch WWTP from 1.5 to 3.0 MGD including the construction of an influent pump station, screening and grit removal facilities, aeration basins, secondary clarifiers, cloth disk filters, UV disinfection facility, sludge holding tanks facilities, site grading and paving, electrical improvements, and instrumentation improvements.

Purpose: The purpose of this project is to provide wastewater treatment for future growth and development.

Project Manager: Ken Taylor

Engineer: CDM Smith

Contractor: CSA Construction

Phase	Start	Finish	Status / Comments
Preliminary Engineering	November 2012	March 2013	Complete
Final Design	December 2015	January 2017	100% Set of Plans
ROW / Easements			Complete
Bid / Award Bid # 201717	March 2017	May 2017	Bid Opening 3/28/17 GUS Board approved 4/14/17 City Council 4/25/17
Construction	July 2017	August 2019	Continued work on the scum box on aeration basin 1 for the chopper pumps. Working on cleaning out aeration basins 1 and 2 to get them back in service. Continue to work towards substantial completion
Post Construction			



Project: Ronald Reagan Waterline Improvements

Project# 2JM

Update – September 2019

Project Description: This project involves upgrading the existing 15-inch water main with 16-inch C-905 or DI pipe. This project will consist of approximately 44,500 LF of 16-inch water main replacement.

Purpose: The purpose of this project is to install 21,300 LF of 30" water main on the west side of Ronald Reagan from FM 2338 (Williams dr) to FM 3405

Project Manager: Ken Taylor

Engineer: KPA

Contractor: Royal Vista

Phase	Start	Finish	Status / Comments
Preliminary Engineering	October 2015	March 2016	KPA Task Order approved by GUS Board & City Council on 8/28/18
Final Design	March 2016	February 2018	80% Complete
ROW / Easements	October 2015		50% complete
Bid / Award Bid #			Approved by City Council 12/11/18
Construction	January 2019	September 2019	Crews have 3 PRV's removed from the system and one 8" PRV installed off Majestic Oaks. Finishing up installing 12" water line on Mission Oaks and will start installing the 24" water line
Post Construction			



Project: San Gabriel Wastewater Treatment Plant – Belt Press
Project# 3CP
Update – September 2019

Project Description: This project involves - Design, bidding and general services during construction for a new sludge dewatering building and the installation of dewatering equipment, a polymer system and a conveyor for the San Gabriel Wastewater Treatment Plant (WWTP)

Purpose: The purpose of this project is to replace the existing drying beds with a new sludge dewatering building and the installation of dewatering equipment, a polymer system and a conveyor to load a roll-off dumpster.

Project Manager: Ken Taylor

Engineer: CDM

Contractor: TBD

Phase	Start	Finish	Status / Comments
Preliminary Engineering	April 2018	August 2018	Task Order approved by GUS Board 3/9/18 & by City Council 3/27/18
Final Design	August 2018	December 2018	
ROW / Easements	N/A		
Bid / Award Bid #	February 2019	March 2019	Project Out for Bid first week in August with Bid Opening 8/29/19
Construction			
Post Construction			

Project: Shell Road Waterline Improvements
Project# 3CI
Update – September 2019

Project Description: This project will consist of approximately 13,500 LF of 16-inch water line and approximately 2300 LF of 12-inch waterline.

Purpose: The purpose of this project is to provide secondary feed of water to Sun City.

Project Manager: Ken Taylor

Engineer: KPA


Contractor: TBD

Phase	Start	Finish	Status / Comments
Preliminary Engineering	April 2015	August 2015	Task Order Recommended by GUS 3/13/15 Approved by CC 3/24/15.
Final Design	August 2015	March 2018	90% complete
ROW / Easements	June 2015	October 2017	60% complete
Bid / Award Bid			
Construction			
Post Construction			

City of Georgetown, Texas

SHELL ROAD WATERLINE EXTENSION

City Council
Mayor
 Dale Ross
Mayor Pro-Tem
 Keith Brinard
City Council Members
 Anna Eby District 1
 Keith Brinard District 2
 John Hesser District 3
 Steve Fought District 4
 Ty Glisson District 5
 Rachael Johnson District 6
 Tommy Gonzalez District 7
City Manager
 David Morgan
CITY OF GEORGETOWN, TEXAS
 SHELL ROAD WATERLINE EXTENSION



EST. 1848
GEORGETOWN
TEXAS

PRELIMINARY REVIEW SET


Approved by the City of Georgetown, Texas
 This _____ day of _____, 2015.

Utilities Engineer _____ Date _____

Manager _____ Date _____
 Systems Engineering

This document is released for the purpose of public review and is not to be used for construction, bidding or permit purposes.

Use 15, 16 and 17 only.



KASBERG, PATRICK & ASSOCIATES, L.P.
 CONSULTING ENGINEERS
 GEORGETOWN, TEXAS 78626
 FIRM REGISTRATION NO. P-210

CITY OF GEORGETOWN, TEXAS
 SHELL ROAD WATERLINE EXTENSION

Project: South Lake Water Treatment Plant Intake & Raw Waterline
Project# 2BN
Update – September 2019

Project Description: This project will consist of design/engineering for a 22 MGD raw water intake & pump station with future expansion to 44 MGD and 3,800 LF of raw water pipeline to carry water to the SLWTP.

Purpose: The purpose of this project is to provide the supply & demand for future water needs for the City of Georgetown and Western District

Project Manager: Ken Taylor

Engineer: CDM

Contractor: TBD

Phase	Start	Finish	Status / Comments
Preliminary Engineering	February 2019	August 2019	Task Order approval by GUS Board 1/11/19 & City Council 1/22/19
Final Design	August 2019	April 2020	
ROW / Easements			
Bid / Award Bid	Summer 2020		
Construction	Fall 2020		
Post Construction			

TASK ORDER

Task Order No. CDM-19-001-TO,
 consisting of 12 pages.

Task Order

In accordance with paragraph 1.01 of the Master Services Agreement between Owner and CDM Smith, Inc. ("Engineer") for Professional Services – Task Order Edition, dated September 30, 2016, ("Agreement"), Owner and Engineer agree as follows:

- Specific Project Data**
 - Title: South Lake Water Treatment Plant Intake and Raw Waterline
 - Description: Preliminary Engineering, Final Design, Bidding and Construction Services for the new South Lake Water Treatment Plant (SLWTP) raw water pump station and pipeline.
The plant will have a treatment capacity of 22 million gallons per day (MGD) with capabilities for expanding to 44 MGD in the future. The raw water supply facilities will include a raw water intake and pump station and 3,800 LF of raw water pipeline to carry water to the SLWTP.
The SLWTP raw water pump station and raw water pipeline will be designed and packaged as two sets of construction documents. The work will be constructed in two separate construction contracts.
 - City of Georgetown Project Number: 2BN
 - City of Georgetown General Ledger Account No.: 6600-0580-00-049
 - City of Georgetown Purchase Order No.: _____
 - Master Services Agreement Contract Number: 2016-738-65A

Georgetown – Revised L&E
 K&TSM 8-30-2016 Standard Form of Agreement Between Owner and Engineer Professional Services – Task Order Edition
 Copyright © 2004 National Society of Professional Engineers Inc. All rights reserved.
 Attachment E – Task Order Form
 Page 1 of 17

Project: Sun City Elevated Water Storage Tank
Project# 2CP
Updated – September 2019

Project Description: This project will consist of the replacement of the existing .4 million gallon Elevated Water Storage Tank with a 2 million gallon Elevated Water Storage Tank.

Purpose: The purpose of this project is to increase elevated water storage in the Sun City 1015 pressure plan from .4 MG to 2MG to meet the demands of the water system in the 1015 pressure plane.

Project Manager: Chris Pousson

Engineer: Dunham Engineering, Inc.

Contractor: CB&I



Phase	Start	Finish	Status / Comments
Preliminary Engineering	November 2016	May 2017	Task Order recommended by GUS 11/11/16, Approved by CC 11/22/16.
Final Design	May 2017	June 2017	100% complete
ROW / Easements	N/A	N/A	N/A
Bid / Award Bid #	July 2017	September 2017	GUS Board and Council Approved
Construction	December 2017	June 2019	New EST is online. New perimeter fence in installed. 50% of area is hydro-mulched. Last remaining task's delayed until after peak demand.
Post Construction			

Project: Water Tank Rehab - 2018

Project# 2CX

Update – September 2019

Project Description: This project involves - Design bidding and general services during construction for the demolition of the steel ground storage tank (GST) and steel lime silo at the Park Water Treatment Plant (WTP), demolition of the Woods GST, and rehabilitation of the 1 MG GST at the Southside WTP; and design

Purpose: The purpose of this project is the demolition of the steel structures at the Park WTP and the Woods sites and rehabilitation of the 1 MG GST at the Southside WTP site will be bid so that qualified demolition and tank rehab contractors can bid the project.

Project Manager: Ken Taylor

Engineer: CDM

Contractor: TBD

Phase	Start	Finish	Status / Comments
Preliminary Engineering	January 2018	March 2018	Task Order recommended by GUS Board 12/8/17 & approved by Council 12/1/2/17
Final Design	April 2018	June 2018	
ROW / Easements			
Bid / Award Bid #	July 2018	November 2019	Tentatively out for Bid Fall 2019
Construction			
Post Construction			



CITY OF GEORGETOWN, TEXAS

2018 SOUTHSIDE WATER TREATMENT PLANT TANK REHAB

PROJECT No. 2CX

NOVEMBER 2017



LOCATION PLAN

CDM Smith
AUSTIN, TEXAS
Transportation

Water Environment Energy Facilities

CITY COUNCIL
MAYOR
DALE ROSS

CITY COUNCIL MEMBERS
ANNA EBY DISTRICT 1
VALERIE NICHOLSON DISTRICT 2
JOHN HESSER DISTRICT 3
STEVE FOUGHT DISTRICT 4
TY GIPSON DISTRICT 5
RACHAEL JONROWE DISTRICT 6
TOMMY GONZALEZ DISTRICT 7

MAYOR PRO TEM

CITY MANAGER
DAVID MORGAN

GENERAL MANAGER OF UTILITIES
JIM BRIGGS

WATER SERVICES UTILITY DIRECTOR
GLENN DISMONG

SYSTEMS ENGINEERING DIRECTOR
WESLEY WRIGHT, P.E.

WATER UTILITY ENGINEER
DAVID MUNK, P.E.

CITY OF GEORGETOWN, PROJECT NUMBER DATE

CITY OF GEORGETOWN, UTILITY ENGINEER PREPARED BY DATE

FORM NO. 101 (REV. 10/2017) NUMBER 1-1042 DATE

Project: West University 2018 Waterline Improvements
Project# 2JJ
Update – September 2019

Project Description: This project will consist of approximately 1,220 LF of 12-inch water line and approximately 150 LF of 8-inch waterline.

Purpose: The purpose of this project is to provide adequate flows & pressure to the University/IH 35 area

Project Manager: Ken Taylor

Engineer: CDM

Contractor: Smith Contracting

Phase	Start	Finish	Status / Comments
Preliminary Engineering	April 2015	August 2015	Task Order Recommended by GUS 3/13/15 Approved by CC 3/24/15.
Final Design	August 2015	March 2018	October 2018
ROW / Easements	June 2015	October 2017	Complete
Bid / Award Bid			Approved by City Council 12/11/18, PreConstruction Meeting scheduled for 1/11/19 with NTP to be issued shortly after
Construction	January 2019	August 2019	Project near completion & in Close Out Phase for paperwork
Post Construction			



GUS BOARD ITEMS FORWARDED TO COUNCIL

August 27, 2019

M

Forwarded from Georgetown Utility Systems Advisory Board (GUS):

Consideration and possible action to approve a **contract** with **Environmental Improvements, Inc.** for the **capital upgrade** of the **Dove Springs wastewater treatment plant head works fine screen** in the approximate amount of **\$148,815.30** -- Glenn W. Dishong, Utility Director

ALL ITEMS PASSED

City of Georgetown, Texas
Utility System Advisory Board
September 13, 2019

SUBJECT:

Review and possible action to approve the minutes from the regular GUS Board meeting held on August 9, 2019. - Sheila K. Mitchell, GUS Board Liaison

ITEM SUMMARY:

Board to review, revise and/or approve the minutes from the regular GUS Board meeting held on August 9, 2019.

FINANCIAL IMPACT:

N/A

SUBMITTED BY:

Sheila K. Mitchell/GUS Board Liaison

ATTACHMENTS:

Description	Type
 GUS August 9 2019 DRAFT Minutes	Backup Material

**Minutes of the Meeting of the
Georgetown Utility Systems Advisory Board and the
Governing Body of the City of Georgetown, Texas
August 9, 2019 at 2:00PM
at Georgetown Municipal Complex, 300-1 Industrial Avenue, Georgetown, TX**

The City of Georgetown is committed to compliance with the Americans with Disabilities Act (ADA). If you require assistance in participation at a public meeting due to a disability, as defined under the ADA, reasonable assistance, adaptations, or accommodations will be provided upon request. Please contact the City Secretary's Office, at least three (3) days prior to the scheduled meeting date, at (512) 930-3652 or City Hall at 808 Martin Luther King, Jr. Street, Georgetown, TX 78626 for additional information: TTY users route through Relay Texas at 711.

Board Members Present: Ed Pastor – Chair, John Copelan – Vice Chair, Edward Wiley – Secretary, Mike Cunningham, Steve Fought, David Maserang, Arthur Yaeger

Board Members Absent: none

Staff Members Present: Jim Briggs, Mike Babin, Glenn Dishong, Wesley Wright, David Thomison, Chris Foster, Michael Hallmark, Laurie Brewer, Sheila Mitchell, Cameron Currie, Mickey Swatsell, Willie Tapia, Nathan Parras (joined at 2:02pm)

Others Present: none

Regular Session

(This Regular Session may, at any time, be recessed to convene an Executive Session for any purpose authorized by the Open Meetings Act, Texas Government Code 551.)

A. Call to Order – Called to order by Chair at 2:00p.m.

The Board may, at any time, recess the Regular Session to convene an Executive Session at the request of the Chair, a Board Member, the City Manager, Assistant City Manager, General Manager of Utilities, City Council Member, or legal counsel for any purpose authorized by the Open Meetings Act, Texas Government Code Chapter 551, and are subject to action in the Regular Session that follows.

B. Introduction of Visitors

– None

Employee Recognition –

-- David Thomison recognized three of his department employees who achieved recent licenses: Cameron Currie, Wastewater Treatment Technician Senior, received his Class A Wastewater Treatment license. Mickey Swatsell, Water Treatment Technician Senior, received his Class A Water license. Willie Tapia, Water Treatment Technician Senior, received his Class A Water license. Fought asked and Thomison noted Class A is the highest level of license you can achieve. The Board congratulated all of them on their accomplishments.

-- Briggs announced departure of Chris Foster as Manager of Resource Planning and Integration with the city after 11 years, starting in the Finance department and moving over to the Utility. Today will be his last day. Foster has done a great job, he has been an outstanding resource and will be sorely missed. He will be a great asset to others. The Board and Briggs thanked Foster for his commitment to the city.

-- Cunningham asked and Briggs confirmed his retirement is September 30th. He thanked Briggs for his hard work and all the history of the city he has shared over the years. The Board wishes Briggs well in his retirement.

-- Brigg's also announced Mike Babin's retirement at the end of August. This was Babin's first public power utility endeavor, coming from investor-owned utilities. Babin has been in the industry for over 40 years and with the city for almost 6 years. He has brought a tremendous value to the utility. The Board thanked Babin for his work and commitment to the city.

- C. August 2019 GUS CIP Project Updates and June Council Actions – Wesley Wright, P.E., Systems Engineering Director/Michael Hallmark, CIP Manager
Wright noted reports in packets, gave brief updates on each and responded to a few questions on projects from board members.

D. Industry / Council Updates

Briggs noted due to heat a lot of electricity is being used, which is good if you have electricity to sell; it's been an interesting summer starting with cooler weather and now heat has set in. ERCOT is seeing demands in 71K-73K MWH of demand in recent days, dipping close into the low end of reserve margins set aside. Demands this summer have been later in the day than past summers. Once schools start, load will increase some. Some discussion regarding Williams Drive interchange and the NW Blvd bridge construction timelines. Regarding water, Region G is working on finalizing current update of the State Water Plan, to be completed later in the fall, with final drafts to the Legislature in the spring for next session. Briggs noted there are some unmet needs in Williamson County, which all fall outside the water user group, however there has to be a strategy to deal with those needs. Some additional discussion regarding water and reservoirs to be constructed around the State. Some discussion regarding the Drought Contingency Plan. Dishong spoke on water resources, regarding the sale of excess water to Blanchard; will go to Council later in August. Spoke on current water usage and plant capacity triggers, over a 3-day period. Last Friday, August 2nd, we entered Stage 1 of the plan due to the trigger reached (85%). We've implemented all steps of the plan with communications on the website, social media, signage, etc. Next trigger is 90% for Stage 2, which will go to 1 day watering. Enforcement process has begun. Dishong stated changes being made are showing good results. Some discussion continued. Briggs updated board on the status of the GUS Board. He thanked board for their willingness to continue to serve during this time. Council continues to work through the process. Some work may continue to carry through past the recruitment process terms. He spoke on possible restructuring of board, future requirements and duties of the board(s) as discussed with Council. Pastor asked all to review video of July 9 Council meeting and some discussion occurred regarding discussion of the board item during that council meeting. Several board members stated they had already seen the video and did not wish to view at this time. Board members asked if link could be resent to all and Mitchell agreed to resend. Some discussion continued. Fought spoke regarding the great job the board has done with the mission they have been assigned. Briggs stated there are misconceptions of the duties of the GUS Board and reminded everyone the board not an autonomous board and is tasked as an advisory board and has conducted business as such. No further discussion.

Legislative Regular Agenda.

The Board will individually consider and possibly take action on any or all of the following items:

E. **Public Wishing to Address the Board**

On a subject that **is posted on this agenda**: Please fill out a speaker registration form which can be found on the table at the entrance to the Board Meeting. Clearly print your name and the letter of the item on which you wish to speak and present it to the Staff Liaison, **prior to the start of the meeting**. You will be called forward to speak when the Board considers that item. Only persons who have delivered the speaker form **prior** to the meeting being called to order may speak.

On a **subject not posted on the agenda**: Persons may add an item to a future Regular scheduled Board agenda by filing a written request with the Staff Liaison **no later than one week prior to the Board meeting**. The request must include the speaker's name and the specific topic to be addressed with sufficient information to inform the board and the public. **Only those persons who have submitted a timely request will be allowed to speak**. For Board Liaison contact information, please logon to <https://government.georgetown.org/georgetown-utility-system-advisory-board-gus/>.

- No persons signed up to address the board.

- F. Review and possible action to approve the minutes from the Regular GUS Board meeting held on June 14 and July 12, 2019. – Sheila K. Mitchell, GUS Board Liaison

Minutes were considered for approval. No questions or revisions. **Motion by Yaeger, seconded by Maserang** to approve the minutes from the Regular GUS Board meeting held on June and July, 2019.

Approved 7-0-0

- G. Consideration and possible recommendation to approve a contract with Environmental Improvements, Inc. for the capital upgrade of the Dove Springs wastewater treatment plant head works fine screen in the approximate amount of \$148,815.30. – David W. Thomison, Water Services Manager

Thomison presented information on status of inspection of fine screen noting city staff conducted an assessment of the condition of the head works fine screen and discovered there are multiple known existing mechanical and structural issues with the unit which ultimately lead to the failure and requiring manual cleaning. This screen is needed to remove untreatable debris from entering the treatment plant and potentially causing blockages with internal treatment process equipment and eliminating the potential entrance into the receiving stream if it makes it through the treatment process. Wiley asked and staff responded the screen has worn out due to age, usage and nature of debris coming through the treatment system. Cunningham asked and Thomison stated this pricing is turnkey and Environmental Improvements, Inc. will handle entire job. Dishong reminded board this project is a redesign and addresses the mechanical issue that failed. **Motion by Copelan, seconded by Maserang** to approve a contract with Environmental Improvements, Inc. for the capital upgrade of the Dove Springs wastewater treatment plant head works fine screen in the approximate amount of \$148,815.30. **Approved 7-0-0**

Adjournment

Motion by Fought, seconded by Wiley to adjourn. Meeting adjourned at 3:00PM

Ed Pastor – Chair

Ed Wiley – Secretary

Sheila K. Mitchell, GUS Board Liaison

City of Georgetown, Texas
Utility System Advisory Board
September 13, 2019

SUBJECT:

Consideration and possible recommendation to approve the purchase of Bioxide from Evoqua Water Technologies LLC of Sarasota, Florida, in an amount not to exceed \$88,600.00, for Fiscal Year 2019/2020. -- David W. Thomison, Water Services Manager/Mike Welch, Plant Operations Superintendent

ITEM SUMMARY:

In May 1998, Camp, Dresser and McKee, Inc performed a wastewater odor control study. This study was performed as a result of Hydrogen Sulfide (H₂S) odor complaints in certain areas of the City. The study evaluated different methods to mitigate the H₂S problem with a recommendation being made to use Bioxide, a product patented by Evoqua Water Technologies. Since July 1999, the City has successfully used Bioxide to control odor problems. Staff has determined that it is still considered the most effective method to mitigate the H₂S problem in the collection system at this time.

SPECIAL CONSIDERATIONS:

Evoqua Water Technologies is a sole source provider of Bioxide and is the only location that bids will be received and processed for Bioxide.

STAFF RECOMMENDATION:

Staff recommends the purchase of Bioxide from Evoqua Water Technologies in an amount not to exceed \$88,600.00.

FINANCIAL IMPACT:

Funds for this additional expenditure are available in the Water Services Budget.

	<u>Fund</u>	<u>Actual</u>	<u>Budget</u>
660-5-0530-51-336	Services – Odor Control	\$88,600.00	\$88,600.00

SUBMITTED BY:

David W. Thomison, Water Services Manager (skm)

ATTACHMENTS:

	Description	Type
□	Evoqua Bioxide Sole Source ltr	Backup Material
□	Evoqua Bioxide Pricing ltr	Backup Material



August 12, 2019

Mr. David Thomison
Operations Manager
City of Georgetown
Georgetown, TX 78626
Phone: (512) 930-4811
Fax: (512) 930-0232
Email: david.thomison@georgetown.org

Cc: cheryl.wright@georgetown.org

RE: YOUR SOLE SOURCE FOR BIOXIDE® PRODUCTS

Dear Mr. Thomison:

Evoqua Water Technologies LLC is the sole source provider of Bioxide® products (Bioxide, Bioxide-AQ, Bioxide AE, Bioxide Plus 71 and AQUIT solutions). Related services that we offer to our customers are provided under the Full Service Odor ControlSM program.

A license to use Bioxide® products is included with the product sale. Patents that cover aspects of the use of Bioxide products include, but are not necessarily limited to, United States Patent Nos. 6,309,597, 7,087,172, 7,186,341 B2, US 7,779,224 B2, US 7,799,215 B2 and 7,553,420 B2. Bioxide, Bioxide-AQ, Bioxide AE, Bioxide Plus, AQUIT and Full Service Odor Control are trademarks of Evoqua Water Technologies LLC.

Should you have any questions or require additional information, please feel free to contact me at (512) 779-4889.

Sincerely,

Evoqua Water Technologies LLC

Trey Roberts

Trey Roberts
Technical Sales Representative



August 7, 2019

Mr. David Thomison
Operations Manager
City of Georgetown
Georgetown, TX 78626
Phone: (512) 930-4811
Fax: (512) 930-0232
Email: david.thomison@georgetown.org

Cc: cheryl.wright@georgetown.org

**RE: 2019 - 2020 BIOXIDE® FSOC PRICING
CITY OF GEORGETOWN, TX
Evoqua Quote No. Q190710SJ04**

Dear Mr. Thomison:

Evoqua Water Technologies LLC thanks you for your continued support of the Bioxide® Full Service Odor Controlsm (FSOC) program, which includes two seasonal service visits by your area Service Center, technical support and web-based level indication. Sulfide sampling at the control point is not included. We look forward to serving your odor control needs in the years to come.

The new price for BIOXIDE delivered in minimum 3,800-gallon shipments will be \$2.68 per gallon, effective October 1, 2019, and will remain firm through September 30, 2020. This price is good with split deliveries of 3,800 gallons or more with other customers in your area.

As you know, BIOXIDE, BIOXIDE-AQ and BIOXIDE AE are proprietary processes developed by Evoqua Water Technologies LLC. A license to use Bioxide products is included with the product sale. Patents that cover aspects of the use of Bioxide products include, but are not necessarily limited to, United States Patent Nos. 5,500,368, 6,309,597, 7,087,172 and 7,553,420 B2. Bioxide, Bioxide-AQ, Bioxide AE, AQUIT and Full-Service Odor Control are trademarks of Evoqua Water Technologies LLC.

The attached Evoqua Terms and Conditions are considered part of this notice and shall prevail. Any applicable taxes due are not included.

Evoqua appreciates your business and support and looks forward to continuing to provide you the quality products, services and lowest cost solutions. If you have any questions, comments, or if I can be of service to you in any way, please contact me at (512) 779-4889 or via email at Trey.Roberts@Evoqua.com. We look forward to providing "Best in Class" service for years to come.

Sincerely,

Evoqua Water Technologies LLC

Trey Roberts

Trey Roberts
Technical Sales Representative

EVOQUA WATER TECHNOLOGIES LLC

Standard Terms of Sale

1. **Applicable Terms.** These terms govern the purchase and sale of equipment, products, related services, leased products, and media goods if any (collectively herein "Work"), referred to in Seller's proposal ("Seller's Documentation"). Whether these terms are included in an offer or an acceptance by Seller, such offer or acceptance is expressly conditioned on Buyer's assent to these terms. Seller rejects all additional or different terms in any of Buyer's forms or documents.
2. **Payment.** Buyer shall pay Seller the full purchase price as set forth in Seller's Documentation. Unless Seller's Documentation specifically provides otherwise, freight, storage, insurance and all taxes, levies, duties, tariffs, permits or license fees or other governmental charges relating to the Work or any incremental increases thereto shall be paid by Buyer. If Seller is required to pay any such charges, Buyer shall immediately reimburse Seller. If Buyer claims a tax or other exemption or direct payment permit, it shall provide Seller with a valid exemption certificate or permit and indemnify, defend and hold Seller harmless from any taxes, costs and penalties arising out of same. All payments are due within 30 days after receipt of invoice. Buyer shall be charged the lower of 1 ½% interest per month or the maximum legal rate on all amounts not received by the due date and shall pay all of Seller's reasonable costs (including attorneys' fees) of collecting amounts due but unpaid. All orders are subject to credit approval by Seller. Back charges without Seller's prior written approval shall not be accepted.
3. **Delivery.** Delivery of the Work shall be in material compliance with the schedule in Seller's Documentation. Unless Seller's Documentation provides otherwise, delivery terms are ExWorks Seller's factory (Incoterms 2010). Title to all Work shall pass upon receipt of payment for the Work under the respective invoice. Unless otherwise agreed to in writing by Seller, shipping dates are approximate only and Seller shall not be liable for any loss or expense (consequential or otherwise) incurred by Buyer or Buyer's customer if Seller fails to meet the specified delivery schedule.
4. **Ownership of Materials and Licenses.** All devices, designs (including drawings, plans and specifications), estimates, prices, notes, electronic data, software and other documents or information prepared or disclosed by Seller, and all related intellectual property rights, shall remain Seller's property. Seller grants Buyer a non-exclusive, non-transferable license to use any such material solely for Buyer's use of the Work. Buyer shall not disclose any such material to third parties without Seller's prior written consent. Buyer grants Seller a non-exclusive, non-transferable license to use Buyer's name and logo for marketing purposes, including but not limited to, press releases, marketing and promotional materials, and web site content.
5. **Changes.** Neither party shall implement any changes in the scope of Work described in Seller's Documentation without a mutually agreed upon change order. Any change to the scope of the Work, delivery schedule for the Work, any Force Majeure Event, any law, rule, regulation, order, code, standard or requirement which requires any change hereunder shall entitle Seller to an equitable adjustment in the price and time of performance.
6. **Force Majeure Event.** Neither Buyer nor Seller shall have any liability for any breach or delay (except for breach of payment obligations) caused by a Force Majeure Event. If a Force Majeure Event exceeds six (6) months in duration, the Seller shall have the right to terminate the Agreement without liability, upon fifteen (15) days written notice to Buyer, and shall be entitled to payment for work performed prior to the date of termination. "**Force Majeure Event**" shall mean events or circumstances that are beyond the affected party's control and could not reasonably have been easily avoided or overcome by the affected party and are not substantially attributable to the other party. Force Majeure Event may include, but is not limited to, the following circumstances or events: war, act of foreign enemies, terrorism, riot, strike, or lockout by persons other than by Seller or its sub-suppliers, natural catastrophes or (with respect to on-site work), unusual weather conditions.
7. **Warranty.** Subject to the following sentence, Seller warrants to Buyer that the (i) Work shall materially conform to the description in Seller's Documentation and shall be free from defects in material and workmanship and (ii) the Services shall be performed in a timely and workmanlike manner. Determination of suitability of treated water for any use by Buyer shall be the sole and exclusive responsibility of Buyer. The foregoing warranty shall not apply to any Work that is specified or otherwise demanded by Buyer and is not manufactured or selected by Seller, as to which (i) Seller hereby assigns to Buyer, to the extent assignable, any warranties made to Seller and (ii) Seller shall have no other liability to Buyer under warranty, tort or any other legal theory. The Seller warrants the Work, or any components thereof, through the earlier of (i) eighteen (18) months from delivery of the Work or (ii) twelve (12) months from initial operation of the Work or ninety (90) days from the performance of services (the "Warranty Period"). If Buyer gives Seller prompt written notice of breach of this warranty within the Warranty Period, Seller shall, at its sole option and as Buyer's sole and exclusive remedy, repair or replace the subject parts, re-perform the Service or refund the purchase price. Unless otherwise agreed to in writing by Seller, (i) Buyer shall be responsible for any labor required to gain access to the Work so that Seller can assess the available remedies and (ii) Buyer shall be responsible for all costs of installation of repaired or replaced Work. If Seller determines that any claimed breach is not, in fact, covered by this warranty, Buyer shall pay Seller its then customary charges for any repair or replacement made by Seller. Seller's warranty is conditioned on Buyer's (a) operating and maintaining the Work in accordance with Seller's instructions, (b) not making any unauthorized repairs or alterations, and (c) not being in default of any payment obligation to Seller. Seller's warranty does not cover (i) damage caused by chemical action or abrasive material, misuse or improper installation (unless installed by Seller) and (ii) media goods (such as, but not limited to, resin, membranes, or granular activated carbon media) once media goods are installed. THE WARRANTIES SET FORTH IN THIS SECTION 7 ARE THE SELLER'S SOLE AND EXCLUSIVE WARRANTIES AND ARE SUBJECT TO THE LIMITATION OF LIABILITY PROVISION BELOW. SELLER MAKES NO OTHER WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE.
8. **Indemnity.** Seller shall indemnify, defend and hold Buyer harmless from any claim, cause of action or liability incurred by Buyer as a result of third party claims for personal injury, death or damage to tangible property, to the extent caused by Seller's negligence. Seller shall have the sole authority to direct the defense of and settle any indemnified claim. Seller's indemnification is conditioned on Buyer (a) promptly, within the Warranty Period, notifying Seller of any claim, and (b) providing reasonable cooperation in the defense of any claim.

(May 2015)

9. **Assignment.** Neither party may assign this Agreement, in whole or in part, nor any rights or obligations hereunder without the prior written consent of the other party; provided, however, the Seller may assign its rights and obligations under these terms to its affiliates or in connection with the sale or transfer of the Seller's business and Seller may grant a security interest in the Agreement and/or assign proceeds of the agreement without Buyer's consent.

10. **Termination.** Either party may terminate this agreement, upon issuance of a written notice of breach and a thirty (30) day cure period, for a material breach (including but not limited to, filing of bankruptcy, or failure to fulfill the material obligations of this agreement). If Buyer suspends an order without a change order for ninety (90) or more days, Seller may thereafter terminate this Agreement without liability, upon fifteen (15) days written notice to Buyer, and shall be entitled to payment for work performed, whether delivered or undelivered, prior to the date of termination.

11. **Dispute Resolution.** Seller and Buyer shall negotiate in good faith to resolve any dispute relating hereto. If, despite good faith efforts, the parties are unable to resolve a dispute or claim arising out of or relating to this Agreement or its breach, termination, enforcement, interpretation or validity, the parties will first seek to agree on a forum for mediation to be held in a mutually agreeable site. If the parties are unable to resolve the dispute through mediation, then any dispute, claim or controversy arising out of or relating to this Agreement or the breach, termination, enforcement, interpretation or validity thereof, including the determination of the scope or applicability of this agreement to arbitrate, shall be determined by arbitration in Pittsburgh, Pennsylvania before three arbitrators who are lawyers experienced in the discipline that is the subject of the dispute and shall be jointly selected by Seller and Buyer. The arbitration shall be administered by JAMS pursuant to its Comprehensive Arbitration Rules and Procedures. The Arbitrators shall issue a reasoned decision of a majority of the arbitrators, which shall be the decision of the panel. Judgment may be entered upon the arbitrators' decision in any court of competent jurisdiction. The substantially prevailing party as determined by the arbitrators shall be reimbursed by the other party for all costs, expenses and charges, including without limitation reasonable attorneys' fees, incurred by the prevailing party in connection with the arbitration. For any order shipped outside of the United States, any dispute shall be referred to and finally determined by the International Center for Dispute Resolution in accordance with the provisions of its International Arbitration Rules, enforceable under the New York Convention (Convention on the Recognition and Enforcement of Foreign Arbitral Awards) and the governing language shall be English.

12. **Export Compliance.** Buyer acknowledges that Seller is required to comply with applicable export laws and regulations relating to the sale, exportation, transfer, assignment, disposal and usage of the Work provided under this Agreement, including any export license requirements. Buyer agrees that such Work shall not at any time directly or indirectly be used, exported, sold, transferred, assigned or otherwise disposed of in a manner which will result in non-compliance with such applicable export laws and regulations. It shall be a condition of the continuing performance by Seller of its obligations hereunder that compliance with such export laws and regulations be maintained at all times. BUYER AGREES TO INDEMNIFY AND HOLD SELLER HARMLESS FROM ANY AND ALL COSTS, LIABILITIES, PENALTIES, SANCTIONS AND FINES RELATED TO NON-COMPLIANCE WITH APPLICABLE EXPORT LAWS AND REGULATIONS.

13. **LIMITATION OF LIABILITY.** NOTWITHSTANDING ANYTHING ELSE TO THE CONTRARY, SELLER SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL, PUNITIVE OR OTHER INDIRECT DAMAGES, AND SELLER'S TOTAL LIABILITY ARISING AT ANY TIME FROM THE SALE OR USE OF THE WORK, INCLUDING WITHOUT LIMITATION ANY LIABILITY FOR ALL WARRANTY CLAIMS OR FOR ANY BREACH OR FAILURE TO PERFORM ANY OBLIGATION UNDER THE CONTRACT, SHALL NOT EXCEED THE PURCHASE PRICE PAID FOR THE WORK. THESE LIMITATIONS APPLY WHETHER THE LIABILITY IS BASED ON CONTRACT, TORT, STRICT LIABILITY OR ANY OTHER THEORY.

14. **Rental Equipment / Services.** Any leased or rented equipment ("Leased Equipment") provided by Seller shall at all times be the property of Seller with the exception of certain miscellaneous installation materials purchased by the Buyer, and no right or property interest is transferred to the Buyer, except the right to use any such Leased Equipment as provided herein. Buyer agrees that it shall not pledge, lend, or create a security interest in, part with possession of, or relocate the Leased Equipment. Buyer shall be responsible to maintain the Leased Equipment in good and efficient working order. At the end of the initial term specified in the order, the terms shall automatically renew for the identical period unless canceled in writing by Buyer or Seller not sooner than three (3) months nor later than one (1) month from termination of the initial order or any renewal terms. Upon any renewal, Seller shall have the right to issue notice of increased pricing which shall be effective for any renewed terms unless Buyer objects in writing within fifteen (15) days of issuance of said notice. If Buyer timely cancels service in writing prior to the end of the initial or any renewal term this shall not relieve Buyer of its obligations under the order for the monthly rental service charge which shall continue to be due and owing. Upon the expiration or termination of this Agreement, Buyer shall promptly make any Leased Equipment available to Seller for removal. Buyer hereby agrees that it shall grant Seller access to the Leased Equipment location and shall permit Seller to take possession of and remove the Leased Equipment without resort to legal process and hereby releases Seller from any claim or right of action for trespass or damages caused by reason of such entry and removal.

15. **Miscellaneous.** These terms, together with any Contract Documents issued or signed by the Seller, comprise the complete and exclusive statement of the agreement between the parties (the "Agreement") and supersede any terms contained in Buyer's documents, unless separately signed by Seller. No part of the Agreement may be changed or cancelled except by a written document signed by Seller and Buyer. No course of dealing or performance, usage of trade or failure to enforce any term shall be used to modify the Agreement. To the extent the Agreement is considered a subcontract under Buyer's prime contract with an agency of the United States government, in case of Federal Acquisition Regulations (FARs) flow down terms, Seller will be in compliance with Section 44.403 of the FAR relating to commercial items and those additional clauses as specifically listed in 52.244-6, Subcontracts for Commercial Items (OCT 2014). If any of these terms is unenforceable, such term shall be limited only to the extent necessary to make it enforceable, and all other terms shall remain in full force and effect. The Agreement shall be governed by the laws of the Commonwealth of Pennsylvania without regard to its conflict of laws provisions. Both Buyer and Seller reject the applicability of the United Nations Convention on Contracts for the international sales of goods to the relationship between the parties and to all transactions arising from said relationship.

(May 2015)

City of Georgetown, Texas
Utility System Advisory Board
September 13, 2019

SUBJECT:

Consideration and possible recommendation to approve the renewal #3 to the contract agreement # 17-0101 for Water and Wastewater Treatment Plant and Distribution chemicals to Brenntag Southwest, Inc., in the estimated amount of \$357,728.52. – David Thomison, Water Services Manager/Mike Welch, Plant Operations Superintendent

ITEM SUMMARY:

The purpose of this renewal is to provide water and wastewater treatment chemicals as part of the plant and distribution operations treatment requirements. The term of contract: For one (1) year and may be renewed upon review and approval by the City.

STAFF RECOMMENDATIONS:

Staff recommends the approval of the annual contract agreement #17-0101 renewal #3 in the estimated amount of \$357,728.52 to Brenntag Southwest Inc. for water and wastewater treatment plant chemicals.

FINANCIAL IMPACT:

The total annual cost is the projected cost of chemicals upon historical treatment process volume. Funds for this additional expenditure are available in the water wastewater treatment budget.

<u>Fund</u>		<u>Annual Budget</u>
660-5-0529-51-149	Chemicals	\$560,000.00
660-5-0531-51-149	Chemicals	\$130,000.00
	Chemicals	<u>\$25,000.00</u>
660-5-0528-51-149		
Total Combined		\$715,000.00

SUBMITTED BY:

David Thomison Water Services Manager (skm)

ATTACHMENTS:

Description		Type
<input type="checkbox"/>	Pricing - Renewal No 3	Backup Material

Blanket Purchase Order 3700B003R3 - Brentagg Southwest Inc.
ITB No 201638 - Water and Wastewater Treatment Chemicals

Bid Line Item No. and No. Treatment Plant			Annual Estimated Bid	Unit	Current Unit Price	Current Estended Total	Allowed 5%	New Unit Price	New Extended
1	2 - Lake WTP	Aqualum 3004	7000	Gal	\$ 6.2019	\$ 43,413.51		\$ 6.2019	\$ 43,413.51
2	3 - Lake WTP	Alum 48%	152736	Gal	\$ 0.6028	\$ 92,070.02	\$ 0.0301	\$ 0.6329	\$ 96,673.53
3	4 - Lake WTP	Liquid Ammonium Sulfate	32829	Gal	\$ 0.9012	\$ 29,585.99	\$ 0.0451	\$ 0.9463	\$ 31,065.29
4	5 - Lake WTP	Sodium Permanganate	64	Drum	\$ 1,007.2987	\$ 64,467.12		\$ 1,007.2987	\$ 64,467.12
5	7 - Park WTP	Liquid Ammonium Sulfate	12500	Gal	\$ 0.9012	\$ 11,265.19	\$ 0.0451	\$ 0.9463	\$ 11,828.45
6	9 - Park WTP	Alum 48%	4811	Gal	\$ 0.6028	\$ 2,900.09	\$ 0.0301	\$ 0.6329	\$ 3,045.10
7	10 - South Side WTP	Liquid Ammonium Sulfate	23308	Gal	\$ 0.9012	\$ 21,005.52	\$ 0.0451	\$ 0.9463	\$ 22,055.80
8	12 - Domel Ground WTP	Chlorine Gas	168	Each	\$ 102.9000	\$ 17,287.20		\$ 102.9000	\$ 17,287.20
9	13 - Domel Ground WTP	Liquid Ammonium Sulfate	6000	Gal	\$ 2.0071	\$ 12,042.45	\$ 0.1004	\$ 2.1074	\$ 12,644.57
10	15 - Pecan Branch WWTP	Sodium Hypochlorite	1226	Gal	\$ 1.1235	\$ 1,377.41		\$ 1.1235	\$ 1,377.41
11	16 - Pecan Branch WWTP	Alum 48%	37407	Gal	\$ 0.6028	\$ 22,549.13	\$ 0.0301	\$ 0.6329	\$ 23,676.58
12	20 - Cimarron Hills WWTP	Sodium Hypochlorite	2953	Gal	\$ 1.1235	\$ 3,317.70		\$ 1.1235	\$ 3,317.70
13	21 - Berry Creek WWTP	Sodium Hypochlorite	8535	Gal	\$ 1.1235	\$ 9,589.07		\$ 1.1235	\$ 9,589.07
14	22 - Stonewall PS	Chlorine Gas	60	Each	\$ 102.9000	\$ 6,174.00		\$ 102.9000	\$ 6,174.00
15	23 - Pastor PS	Chlorine Gas	60	Each	\$ 102.9000	\$ 6,174.00		\$ 102.9000	\$ 6,174.00
16	24 - Hoover PS	Chlorine Gas	48	Each	\$ 102.9000	\$ 4,939.20		\$ 102.9000	\$ 4,939.20
		Total				\$ 348,157.60			\$ 357,728.52

City of Georgetown, Texas
Utility System Advisory Board
September 13, 2019

SUBJECT:

Consideration and possible recommendation to approve annual task orders: Task Order MEI-20-001 for Electric System and Planned Capital Improvement Projects in the amount not to exceed \$200,000, Task Order MEI-20-002 for Electric System Engineering Planning and Assistance in the the amount not to exceed \$250,000, and Task MEI-20-003 for New Development Engineering and Design in the amount not to exceed \$590,000 with McCord Engineering Inc., of College Station, Texas for professional engineering services. -- Wesley Wright, PE, Systems Engineering Director

ITEM SUMMARY:

Professional Engineering services are required for the 2020 Fiscal Year Capital Improvement Projects, New Development Engineering and Design Assistance, Electric System Engineering Planning and specialized studies. McCord Engineering, Inc. (MEI) is familiar with our electric utility system, standards and specifications and has highly qualified professionals to work on our projects. MEI has worked for the City of Georgetown for over 20 years and has successfully completed a variety of development and capital improvement projects for the utility.

Attached for your review and consideration is Task Order MEI-20-001 in the not to exceed amount of \$200,000.00. The purpose of this task order is to provide preliminary and final electric system engineering and design for planned Capital Improvement projects detailed within the task order and five year CIP plan. Attached for your review and consideration is Task Order MEI-20-002 in the not to exceed amount of \$250,000.00. The purpose of this task order is to serve as general engineering support for system planning, reliability and other various tasks such as Master Plan updates, system appraisal evaluations, Milsoft Mapping assistance and policy recommendations.

Attached for your review and consideration is Task Order MEI-20-003 in the not to exceed amount of \$590,000.00. The purpose of this task order is to provide preliminary and final electric design for New Development Projects. These unplanned projects require MEI's assistance to produce service delivery design project packages as well as load impact evaluation for new electric loads connected to the existing system.

STAFF RECOMMENDATION:

Staff recommends approval of annual task orders: Task Order MEI-20-001 for Electric System and Planned Capital Improvement Projects in the amount not to exceed \$200,000, Task Order MEI-20-002 for Electric System Engineering Planning and Assistance in the the amount not to exceed \$250,000, and Task MEI-20-003 for New Development Engineering and Design in the amount not to exceed \$590,000 with McCord Engineering Inc., of College Station, Texas for professional engineering services.

FINANCIAL IMPACT:

Fund are included in the FY20 Electric Capital Improvement Plan Budget.

SUBMITTED BY:

Wesley Wright

ATTACHMENTS:

Description	Type
☐ MEI-20-001 Planned CIP	Backup Material
☐ MEI-20-002 System Planning	Backup Material



TASK ORDER

Task Order No. MEI-20-001,
consisting of 5 pages.

Task Order

In accordance with paragraph 1.01 of the Master Services Agreement between Owner and McCord Engineering ("Engineer") for Professional Services – Task Order Edition, dated March 25, 2016 ("Agreement"), Owner and Engineer agree as follows:

1. Specific Project Data

- A. Title: Electric System and Planned Capital Improvement Projects
- B. Description: The Engineer will provide general electrical engineering support
to the Georgetown Utility System Energy Services as outlined in Section 2.
- C. City of Georgetown Project Number: Various
- D. City of Georgetown General Ledger Account No.: Various
- E. City of Georgetown Purchase Order No.: Various
- F. Master Services Agreement, Contract Number: 2016-727-MSA

2. Services of Engineer

- A. Planned Distribution System Construction Assistance.
 - i. In the course of developing preliminary and final engineering submittals sealed for construction on planned distribution system projects, McCord Engineering will adhere to the following scope:
 - 1) Field inventory of existing electric facilities. This can be captured using conventional field inventory methods or by using Lidar mounted on an Unmanned Aerial Vehicle (UAV), whichever is most economical.
 - 2) Field review of existing utility locations, drainage structures, services, trees, topography, etc. This can be captured using conventional field inventory methods or by using Lidar mounted on an Unmanned Aerial Vehicle (UAV), whichever is most economical.
 - 3) Incorporate field data onto computer aided drafting schematic.
 - 4) Notate all existing utilities near new pole locations.

TASK ORDER

- 5) Place all existing easements and right-of-ways on the schematic.
- 6) Design schematic layout for the proposed power line improvements.
- 7) Prepare schematic exhibit.
- 8) Prepare staking sheets for construction using existing GUS units and specifications.
- 9) Prepare a preliminary cost estimate.
- 10) Meet with City Staff to review.
- 11) Incorporate City requested changes into final design.
- 12) Prepare plan and profile drawings as required for road or utility crossings to ensure proper NESC clearance.
- 13) Design concrete poles, as required.
- 14) Finalize staking sheets.
- 15) Use general GUS construction specifications unless other detailed specifications are required. If required, prepare detailed construction specifications.
- 16) Review final design with City Staff and incorporate comments.
- 17) Prepare the final cost estimate automatically.
- 18) Prepare final approved for construction documents with one hard copy mailed or hand delivered to the City.

3. **Owner's Responsibilities** – Owner shall have these responsibilities set forth in the agreement subject to the following:

- A. Provide direction on each engineering project.
- B. Prioritize each engineering project.
- C. Provide project completion date required for each engineering project.

4. **Times for Rendering Services**

Phase

Completion Date

N/A since general projects

Will Vary

TASK ORDER

5. **Payments to Engineer**

A. Owner shall pay Engineer for services rendered as follows:

<i>Category of Services</i>	<i>Compensation Method</i>	<i>Not to Exceed Amount of Compensation for Services</i>
<i>Electric System Engineering Planning and Planned Capital Improvement Projects</i>	<i>Standard Hourly Rates as shown on Exhibit A</i>	<i>\$200,000</i>

B. The terms of payment are set forth in Article 4 of the Agreement unless modified in this Task Order.

6. **Consultants:**

7. **Other Modifications to Agreement:**

N/A

8. **Attachments:**

Exhibit A

9. **Documents Incorporated By Reference: The Agreement.**

Effective March 25, 2016

TASK ORDER

Terms and Conditions: Execution of this Task Order by Owner and Engineer shall make it subject to the terms and conditions of the Agreement (as modified above), which Agreement is incorporated by this reference. Engineer is authorized to begin performance upon its receipt of a copy of this Task Order signed by Owner.

The Effective Date of this Task Order is _____, 20____.

OWNER:

ENGINEER:

By: _____

By: _____

Name: Dale Ross

Name: Rex Woods, P.E.

Title: Mayor, City of Georgetown

Title: Vice President

Engineer License or Firm's
Certificate No. F-2664
State of: Texas

Date: _____

Date: _____

ATTEST:

APPROVED AS TO FORM:

Shelley Nowling, City Secretary

City Attorney

TASK ORDER

DESIGNATED REPRESENTATIVE FOR
TASK ORDER:

DESIGNATED REPRESENTATIVE FOR
TASK ORDER:

Name: Brian Mikulencak

Name: Rex Woods, P.E.

Title: Electric Project Coordinator

Title: Vice President

Address: 300-1 Industrial Ave.
Georgetown, TX 78626

Address: 916 Southwest Parkway East
College Station, TX 77840

E-Mail
Address: brian.mikulencak@georgetown.org

E-Mail
Address: rwoods@mccordeng.com

Phone: (512) 931-7701

Phone: (979) 764-8356

Fax: (512) 930-3559

Fax: (979) 764-9644

TASK ORDER

Task Order No. MEI-20-002,
consisting of 7 pages.

Task Order

In accordance with paragraph 1.01 of the Master Services Agreement between Owner and McCord Engineering ("Engineer") for Professional Services – Task Order Edition, dated March 25, 2016 ("Agreement"), Owner and Engineer agree as follows:

1. Specific Project Data

Title: Electric System Engineering Planning and Engineering Assistance

A. Description: The Engineer will provide general electrical engineering support
to the Georgetown Utility System Energy Services as outlined in Section 2.

B. City of Georgetown Project Number: Various

C. City of Georgetown General Ledger Account No.: Various

D. City of Georgetown Purchase Order No.: Various

E. Master Services Agreement, Contract Number: 2016-727-MSA

2. Services of Engineer

- A. General planning and strategic planning meetings concerning the electric system's status.
- B. General electric system model evaluations using Milsoft Windmil® Engineering model for the following:
 - i. Switching
 - ii. Motor Start
 - iii. Conductor capacity
 - iv. Voltage drop
 - v. Power factor
 - vi. Equipment capacity
 - vii. Sectionalizing or system protection

TASK ORDER

- C. GUS electric staff support as required for preliminary or non specific projects.
 - i. Preliminary analysis for new development in the early planning stages.
 - ii. Preliminary review of general building construction plans or site plans.
 - iii. Review monthly DRC report and return comments at GUS electric staff's request.
- D. Provide general construction specifications and standards at GUS electric staff's request.
- E. General electric system mapping assistance in the following areas:
 - i. Update project status list.
 - ii. Phone and email correspondence with GUS mapping staff and Milsoft in Abilene as required.
 - iii. Aerial data update to Milsoft WindMil® model.
 - iv. Help GUS mapping staff with in-house project insertions into Milsoft WindMil® model.
 - v. Periodic project update submittals using the Milsoft WindMil® model to GUS.
 - vi. Monthly electric load file download into Milsoft WindMil® model.
 - vii. Field work required to GPS any in-house designed projects or other additions to the electric system performed for System Service Delivery Design, Maintenance or Operations.
 - viii. General file updates on the Milsoft WindMil® model, including address files, account files, and meter number files.
- F. Assist GUS staff on any recommended changes to the current Electric System Line Extension Policy.
- G. Work with City Staff to begin using the GEO Digital Software.
- H. Provide any load projection estimates required by GUS' power provider.
- I. Assist GUS staff on any communication attachment requests.
- J. Five (5) year CIP update.
 - i. Data Collection
 - 1) Request from the City load history of all customers for the year 2019.

TASK ORDER

- 2) Request from the City substation peak load, power factor, load factor, and bus voltage for each substation transformer and distribution feeder for summer and winter peaks for 2019.
- 3) Request from the City areas in the electric service area that has the potential for load growth.
- 4) Request from the City any budget constraints for the next five (5) year period of this study.
- 5) Request from the City any projects the City feels needs to be accelerated in time for the next five (5) year period of this study.

ii. Electric System Evaluation

- 1) Import data collected above from the City into Milsoft software to calculate electric system loading, power factor, and voltage drop.
- 2) Evaluate the Milsoft calculations and review electric system for any deficiencies.
- 3) Evaluate the electric system for any potential load growth.
- 4) Evaluate any projects the City has indicated that may need to be incorporated into the CIP.
- 5) Review the existing CIP plan by dropping the previous budget year work and add budget year 2024/ 2025.
- 6) Review existing infrastructure projects in existing CIP plan.
- 7) Identify new infrastructure projects which will address new operational and development changes.

iii. Preliminary Report

- 1) Update the existing CIP plan by dropping the previous budget year and add budget year 2024/2025.
- 2) Update the existing infrastructure projects in the existing CIP plan and incorporate revised project estimates under categories of Consulting, Right of Way, Construction, Testing, and Other.
- 3) Prepare cost estimates for newly identified infrastructure projects under categories Consulting, Right of Way, Construction, Testing, and Other.

TASK ORDER

- 4) Provide project cost estimates and individual maps for all CIP projects in the new CIP plan.
 - 5) Identify yearly phasing across multiple fiscal years, where appropriate, for identified projects in the new CIP plan.
 - 6) Identify existing and new infrastructure CIP projects as “must do”, “should do”, and “can wait” categories.
 - 7) Ensure that all projects identified in fiscal year as “must do” and “should do” will meet the allotted monies as determined by finance during the budget process.
 - 8) Provide an electric system map to show locations of CIP projects.
 - 9) Meet with City Staff to review.
- iv. Final Report - Prepare and submit a revised CIP plan document with any revised cost that occurred.
- K. System Capacitor Placement Review and Analysis.
- L. System Performance Analysis.
- M. Provide any substation transmission or power transformer studies as requested by GUS.
- N. Master Plan Update (original master plan completed in 2009 and an updated master plan was completed in 2016).
- i. Review and revise the following based on current information system configuration:
 - 1) Electric System Ultimate System capacity.
 - 2) Electric System Ultimate Substation service areas.
 - 3) Electric System Ultimate Feeder requirement and general configuration.
 - ii. Periodically meet with GUS staff for their input into the Master Plan update.
 - iii. Present the Master Plan update to the GUS Board or City Council as required.
- O. System automation plan review and implementation.
- P. Line extension policy review and enhancement.

TASK ORDER

3. **Owner's Responsibilities** – Owner shall have these responsibilities set forth in the agreement subject to the following:
 - A. Provide direction on each engineering project.
 - B. Prioritize each engineering project.
 - C. Provide project completion date required for each engineering project.

4. Times for Rendering Services

<u>Phase</u>	<u>Completion Date</u>
N/A since general projects	Will Vary

5. Payments to Engineer

- A. Owner shall pay Engineer for services rendered as follows:

<i>Category of Services</i>	<i>Compensation Method</i>	<i>Lump Sum or Not to Exceed Amount of Compensation for Services</i>
<i>Electric System</i>	<i>Standard Hourly Rates as shown</i>	<i>\$250,000</i>
<i>Engineering Planning and</i>	<i>on Exhibit A</i>	
<i>Engineering Assistance</i>		

- B. The terms of payment are set forth in Article 4 of the Agreement unless modified in this Task Order.

6. Consultants:

7. Other Modifications to Agreement:

N/A

8. Attachments:

Exhibit A

9. **Documents Incorporated By Reference: The Agreement.**

Effective March 25, 2016

TASK ORDER

Terms and Conditions: Execution of this Task Order by Owner and Engineer shall make it subject to the terms and conditions of the Agreement (as modified above), which Agreement is incorporated by this reference. Engineer is authorized to begin performance upon its receipt of a copy of this Task Order signed by Owner.

The Effective Date of this Task Order is _____, 20____.

OWNER:

ENGINEER:

By: _____

By: _____

Name: Dale Ross

Name: Rex Woods, P.E.

Title: Mayor, City of Georgetown

Title: Vice President

Engineer License or Firm's
Certificate No. F-2664
State of: Texas

Date: _____

Date: _____

ATTEST:

APPROVED AS TO FORM:

Shelley Nowling, City Secretary

City Attorney

TASK ORDER

DESIGNATED REPRESENTATIVE FOR
TASK ORDER:

Name: Brian Mikulencak

Title: Electric Project Coordinator

Address: 300-1 Industrial Ave.
Georgetown, TX 78626

E-Mail
Address: brian.mikulencak@georgetown.org

Phone: (512) 931-7701

Fax: (512) 930-3559

DESIGNATED REPRESENTATIVE FOR
TASK ORDER:

Name: Rex Woods, P.E.

Title: Vice President

Address: 916 Southwest Parkway East
College Station, TX 77840

E-Mail
Address: rwoods@mccordeng.com

Phone: (979) 764-8356

Fax: (979) 764-9644

TASK ORDER

Task Order No. MEI-20-003,
consisting of 5 pages.

Task Order

In accordance with paragraph 1.01 of the Master Services Agreement between Owner and McCord Engineering ("Engineer") for Professional Services – Task Order Edition, dated March 25, 2016 ("Agreement"), Owner and Engineer agree as follows:

1. Specific Project Data

- A. Title: New Development Engineering and Design Assistance
- B. Description: The Engineer will provide general electrical engineering support
to the Georgetown Utility System Energy Services as outlined in Section 2.
- C. City of Georgetown Project Number: Various
- D. City of Georgetown General Ledger Account No.: Various
- E. City of Georgetown Purchase Order No.: Various
- F. Master Services Agreement, Contract Number: 2016-727-MSA

2. Services of Engineer

- A. Unplanned Distribution System Construction Assistance. (Electric System Expansion Engineering)
 - i. McCord Engineering, Inc. will be responsible for professional services related to developing preliminary and final engineering submittals sealed for construction for the following unplanned projects:
 - 1) Residential developmental projects
 - 2) Commercial developmental projects
 - 3) Industrial developmental projects
 - ii. In the course of developing said submittals, McCord Engineering, Inc. will adhere to the following scope:
 - 1) Obtain site and utility information from the Civil or Architectural Professional on the project to be used in developing base drawings.

TASK ORDER

- 2) Assure no conflicts with existing or planned utilities.
- 3) Identify and coordinate need of any easements/right-of-ways.
- 4) Obtain landscape information from the Landscape or Architectural Professional on the project.
- 5) Obtain load information from the Owner or Owner's representative which will describe the electric load to be added to the City's electric system.
- 6) Identify any existing City electric infrastructure which must be modified to serve the project.
- 7) Prepare a preliminary design and have GUS staff review.
- 8) Obtain required City electric staff and owner approvals prior to issuance of "Approved For Construction" documents.
- 9) Provide the City with a calculation of all fees due from the developer and/or owner plus calculations of plant investment added to the City electric system.
- 10) Stake the locations of added poles, pads, etc. which must be constructed to serve the new project, and prepare staking sheets showing exact locations of infrastructure for field crews to construct the infrastructure using survey grade GPS equipment.
- 11) Provide the City electric staff during final submittals each project's "Milsoft Project Data" for use by the City's staff.
- 12) Record drawings and databases will be given to the City upon completion of the project, as required.

3. **Owner's Responsibilities** – Owner shall have these responsibilities set forth in the agreement subject to the following:

- A. Provide direction on each unplanned or planned engineering project.
- B. Prioritize each unplanned or planned engineering project.
- C. Provide project completion date required for each unplanned or planned engineering project.

TASK ORDER

4. **Times for Rendering Services**

<u>Phase</u>	<u>Completion Date</u>
<u>Will Vary</u>	<u>Will Vary</u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>

5. **Payments to Engineer**

A. Owner shall pay Engineer for services rendered as follows:

<i>Category of Services</i>	<i>Compensation Method</i>	<i>Lump Sum or Not to Exceed Amount of Compensation for Services</i>
<i>New Development Engineering and Design Assistance</i>	<i>Standard Hourly Rates as shown on Exhibit A</i>	<i>\$590,000</i>

B. The terms of payment are set forth in Article 4 of the Agreement unless modified in this Task Order.

6. **Consultants:**

7. **Other Modifications to Agreement:**

N/A

8. **Attachments:**

Exhibit A

9. **Documents Incorporated By Reference: The Agreement.**

Effective March 25, 2016

TASK ORDER

Terms and Conditions: Execution of this Task Order by Owner and Engineer shall make it subject to the terms and conditions of the Agreement (as modified above), which Agreement is incorporated by this reference. Engineer is authorized to begin performance upon its receipt of a copy of this Task Order signed by Owner.

The Effective Date of this Task Order is _____, 20____.

OWNER:

ENGINEER:

By: _____

By: _____

Name: Dale Ross

Name: Rex Woods, P.E.

Title: Mayor, City of Georgetown

Title: Vice President

Engineer License or Firm's
Certificate No. F-2664
State of: Texas

Date: _____

Date: _____

ATTEST:

APPROVED AS TO FORM:

Shelley Nowling, City Secretary

City Attorney

TASK ORDER

DESIGNATED REPRESENTATIVE FOR
TASK ORDER:

DESIGNATED REPRESENTATIVE FOR
TASK ORDER:

Name: Brian Mikulencak

Name: Rex Woods, P.E.

Title: Electric Project Coordinator

Title: Vice President

Address: 300-1 Industrial Ave.
Georgetown, TX 78626

Address: 916 Southwest Parkway East
College Station, TX 77840

E-Mail
Address: Brian.mikulencak@georgetown.org

E-Mail
Address: rwoods@mccordeng.com

Phone: (512) 931-7701

Phone: (979) 764-8356

Fax: (512) 930-3559

Fax: (979) 764-9644

City of Georgetown, Texas
Utility System Advisory Board
September 13, 2019

SUBJECT:

Consideration and possible recommendation to approve a contract with Keystone Construction Services, LP of Austin, Texas for the San Gabriel WWTP Dewatering Improvements project in the amount of \$3,013,050.00. - Wesley Wright, P.E., Systems Engineering Director/Michael Hallmark, CIP Manager

ITEM SUMMARY:

This project will consist of the replacement of the existing drying beds with an up to date belt press, demolition of the existing drying beds, and rehabilitation of the existing slug digester.

Four Bids were received on August 29, 2019 for the above referenced project with Staff accepting Deductive Alternate 1 (Cost to remove the Roll-Off Dumpster Conveyor System):

Keystone Construction Services, LP of Austin, TX. - \$3,013,050.00

Archer Western Construction, LLC of Irving, TX. - \$3,064,250.00

Prota, Inc, of Austin, TX. - \$3,278,862.00

SSP Industries, LP of Killeen, TX. - \$3,964,886.00

Staff Recommendations:

Staff and CDM Smith recommends executing this contract for the San Gabriel WWTP Dewatering Improvements to Keystone Construction Services, LP of Austin, TX. in the amount of \$3,013,050.00.

FINANCIAL IMPACT:

Funds for this expenditure are budgeted in the Wastewater CIP.

SUBMITTED BY:

Wesley Wright, P.E., Systems Engineering Director/Michael Hallmark, CIP Manager

ATTACHMENTS:

Description	Type
☐ Letter of Recommendation	Backup Material



9430 Research Boulevard, Suite 1-200
Austin, Texas 78759
tel: 512 346-1100

September 4, 2019

Mr. Michael Hallmark
CIP Manager – Georgetown Utility Systems
City of Georgetown
300-1 Industrial Ave.
Georgetown, TX 78626

RE: San Gabriel WWTP Dewatering Improvements Project
Recommendation of Award

Dear Mr. Hallmark,

On August 29, 2019, four bids were received for the San Gabriel WWTP Dewatering Improvements Project. Four contractors submitted bids and the base bids are listed below.

Keystone Construction Services (Keystone), LP, Austin, TX - \$3,143,050
Archer Western Construction (Archer Western), LLC, Irving, TX - \$3,187,250
Prota Inc. (Prota), Austin, TX - \$3,396,862
SSP Industries (SSP), LP, Killeen, TX - \$4,066,776

Evaluation

All Contractors acknowledged receipt of the three addenda and properly completed the bid form. After reviewing the bid sheet and alternate bid items, it was determined that all the bidders are considered responsive. See **Figure 1** below for results of the general comparison.

Based on Total Base Bid, the apparent low bidder for the project is Keystone with a Total Base Bid of \$3,143,050. The last engineer's estimate was approximately \$2,500,000; however, this estimate did not include some later design additions such as the sludge thickener rehab work which includes disposal of sludge off site, air manifolds and air header replacements. The bids from Prota and SSP were higher enough from the two lowest bidders that they were not evaluated further.

As you are aware, there were three Deductive Alternative Bid Items that could be selected if they are in the City's best interests. Deductive Alternative No. 1 includes furnishing and



installing a screw conveyor in lieu of the base bid Serpentix belt conveyor. Keystone listed \$35,000, while Archer Western listed \$36,000. If this bid item is selected, Keystone remains the lowest bidder.

Deductive Alternate No. 2 allows the use of steel plates and dumpster guides in lieu of the roll-off dumpster conveyor system. Keystone listed \$130,000 while Archer Western listed \$123,000. If this bid item is selected (with or without Deductive Alternate No. 1), Keystone Construction Services remains the lowest bidder.

None of the contractors provided a bid for Deductive Alternate No. 3 which provides a deduct cost for the contractor to use the services of a different Process Control System Integrator (PCSI).

We are familiar with the work of Keystone and Archer Western. Both companies have successfully completed projects that the CDM Smith Austin office has designed for central Texas clients and have successfully completed numerous projects for central Texas owners designed by other engineering firms.

Recommendation

Because the Base Bid price is within the City's budget and because operations staff has indicated that the dumpster conveyor system is not required, it is recommended that Deductive Alternative No. 2 be included in the award. Therefore, it is recommended that the contract for the San Gabriel WWTP Dewatering Improvements Project be awarded to Keystone Construction Services for a total contract amount of \$3,013,050.

If you have any questions regarding this recommendation to award or the project in general, please contact me.

Sincerely,

A handwritten signature in blue ink, appearing to read 'D. Hurtado', with a stylized flourish at the end.

Danny M. Hurtado, P.E.

Project Manager

CDM Smith Inc.

cc: Allen Woelke, P.E.

San Gabriel WWTP Dewatering Improvements Project

Figure 1 - Bid Tabulation

Bid Items	Keystone Construction	Archer Western Construction	Prota Inc.	SSP Industries
	Amount Bid (\$)	Amount Bid (\$)	Amount Bid (\$)	Amount Bid (\$)
Bid Item 1- Labor, materials, permits, and equipment described in scope of work (Most of project)	\$1,960,000.00	\$2,000,000.00	\$2,122,137.00	\$2,738,321.00
Bid Item 2 – Mobilization/Demobilization	\$150,000.00	\$50,000.00	\$24,960.00	\$202,000.00
Bid Item 3 – Trench Safety	\$3,000.00	\$10,000.00	\$3,320.00	\$13,530.00
Bid Item 4 –Demolition of Sludge Drying Beds	\$40,000.00	\$145,000.00	\$153,605.00	\$88,650.00
Bid Item 5 – Price for Belt Filter Press	\$360,000.00	\$370,000.00	\$395,000.00	\$395,000.00
Bid Item 6 – Price for Progressive Cavity Pumps	\$87,000.00	\$87,000.00	\$87,000.00	\$87,000.00
Bid Item 7 – Price for Roll-off Conveyor System	\$139,625.00	\$140,000.00	\$139,625.00	\$139,625.00
Bid Item 8 – Price for Belt Conveyor System	\$90,925.00	\$91,000.00	\$91,000.00	\$91,000.00
Bid Item 9 – Installed Price for Concrete Pavement Removal and Replacement	\$22,500.00	\$26,250.00	\$94,125.00	\$50,250.00



San Gabriel WWTP Dewatering Improvements Project

Figure 1 - Bid Tabulation

Bid Items	Keystone Construction	Archer Western Construction	Prota Inc.	SSP Industries
Bid Item 10 – Install Two-Course Seal Coat on Roadway	\$70,000.00	\$40,000.00	\$42,000.00	\$28,000.00
Bid Item 11 – Services for PCSI	\$90,000.00	\$83,000.00	\$110,192.00	\$97,650.00
Bid Item 12 – Hauling and disposing of a total 126,000 gallons of mixed liquor	\$20,000.00	\$35,000.00	\$23,898.00	\$25,750.00
Bid Item 13 – Allowance for fence relocation	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00
Bid Item 14 - Allowance to be used for additional site improvements, landscaping and miscellaneous modifications	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00
Base Bid Total	\$3,143,050.00	\$3,187,250.00	\$3,396,862.00	\$4,066,776.00
Deductive Alternative 1 – Installed price for screw conveyor in lieu of the base bid Serpentix belt conveyor.	\$ (35,000.00)	\$ (36,000.00)	\$ (30,000.00)	\$ (24,000.00)
Deductive Alternative 2 – Cost to remove the Roll-off Dumpster Conveyor System.	\$ (130,000.00)	\$ (123,000.00)	\$ (118,000.00)	\$ (101,890.00)

San Gabriel WWTP Dewatering Improvements Project

Figure 1 - Bid Tabulation

Bid Items	Keystone Construction	Archer Western Construction	Prota Inc.	SSP Industries
Deductive Alternative 3 – use the services of a different Process Control System Integrator (PCSI) than those specified in Section 13300.	\$ -	\$ -	\$ -	\$ -
Bid Total with Deductive Alternate 1	\$3,108,050.00	\$3,151,250.00	\$3,366,862.00	\$4,042,776.00
Bid Total with Deductive Alternate 2	\$ 3,013,050.00	\$ 3,064,250.00	\$3,278,862.00	\$3,964,886.00
Bid Total with Deductive Alternates 1 & 2	\$ 2,978,050.00	\$3,028,250.00	\$3,248,862.00	\$3,940,886.00

City of Georgetown, Texas
Utility System Advisory Board
September 13, 2019

SUBJECT:

Consideration and possible recommendation to execute Task Order CDM-19-008-TO with CDM Smith for Total Dissolved Solids (TDS) source and reduction analysis for three of the City's wastewater treatment plants in the amount of \$57,000.00 - Glenn W. Dishong, Utility Director

ITEM SUMMARY:

The wastewater plant discharge permit for the San Gabriel Wastewater Treatment Plant was renewed on May 20, 2019 with a condition that the City perform a Total Dissolved Solids (TDS) source and reduction analysis for the San Gabriel, Dove Springs, and Pecan Branch plants. This item conducts the necessary testing and analysis to determine the source of TDS and recommend reduction techniques. The program covers a three year period with associated reporting to the TCEQ.

STAFF RECOMMENDATION:

Staff recommends execution of Task Order CDM-19-008-TO with CDM Smith for Total Dissolved Solids (TDS) source and reduction analysis for three of the City's wastewater treatment plants in the amount of \$57,000.00.

FINANCIAL IMPACT:

Funds are available in the Water Fund.

SUBMITTED BY:

Glenn W Dishong

ATTACHMENTS:

Description	Type
☐ CDM Task Order CDM-19-008-TO	Exhibit

TASK ORDER

Task Order No. CDM-19-008-TO,
consisting of 8 pages.

Task Order

In accordance with paragraph 1.01 of the Master Services Agreement between Owner and **CDM Smith, Inc.** ("Engineer") for Professional Services – Task Order Edition, dated September 30, 2016, ("Agreement"), Owner and Engineer agree as follows:

1. Specific Project Data

- A. Title: 2019 Utility Workplan for Total Dissolved Solids in Dove Springs, San Gabriel, and Pecan Branch Wastewater Treatment Plants
- B. Description: Develop workplan for total dissolved solids per Texas Pollutant Discharge Elimination System (TPDES) permit requirements for the San Gabriel, Dove Springs, and Pecan Branch Wastewater Treatment Plants
- C. City of Georgetown Project Number: _____
- D. City of Georgetown General Ledger Account No.: _____
- E. City of Georgetown Purchase Order No.: _____
- F. Master Services Agreement, Contract Number: 2016-738-MSA

2. Services of Engineer

As a requirement of the TDPES permits for San Gabriel, Dove Springs, and Pecan Branch WWTP, the City of Georgetown must conduct a total dissolved solids (TDS) source identification and reduction study and perform instream monitoring. Within 180 days of the permit issuance (May 20, 2019 for San Gabriel, and to be determined (TBD) for Pecan Branch and Dove Springs), the City must submit a TDS source identification and reduction study and instream monitoring workplan to TCEQ. The workplan must include:

- Identification of influent TDS, chloride and sulfate sources,
- Control options (e.g. BMPs, pretreatment requirements),
- Effluent sampling at a minimum frequency of once per week,
- Instream monitoring at locations specified in permit at a minimum frequency of once per month with at least 30 samples for each constituent from each location,
- Reduction goals, and
- Annual progress reporting.

The Engineer will support the City to prepare the TDS source identification workplans and provide support for coordination with TCEQ as detailed below.

TASK ORDER

Task 1 Project Management, Site Visit, and Meetings

The Engineer will provide project management services, site visits to potential monitoring sites, meetings with the City, and support for meetings with TCEQ as described below:

Task 1.1 Project Management

The engineer will provide project management support including:

- Project set-up
- Communication with the City
- Invoicing of the project and support documentation
 - Status updates
- Technical review of project deliverables
- Coordination with TCEQ

Task 1.2 Meetings

Meeting 1 – Kick-off Meeting – the Engineer will meet with the City to discuss the proposed plan and schedule for this effort. The purpose of the meeting will be to obtain a better understanding of the potential commitments that will be included in the workplan, the goals of the workplan, potential concerns and findings, and identification of sources and the plan to address those potential sources. The Engineer will provide up to three (3) staff for the meeting. It is assumed that both workplans will be discussed in each meeting.

The Engineer will provide the following meeting materials:

- A meeting agenda,
- Support material (handouts or other) describing this project effort and schedule,
- Meeting notes.

Meeting 2 – Workshop with GUS (October (est.)) – the Engineer will have conference call with the City to present the draft TDS source workplan to the City. The Engineer will provide up to three (3) staff for the meeting. The Engineer will provide the following meeting materials:

- A meeting agenda,
- Draft Work Plans (2), and
- Meeting notes.

Coordination with TCEQ (potential meeting) – the Engineer will provide coordination with TCEQ to understand the requirements of TCEQ and coordinate with TCEQ on concerns provided after their review of the draft Workplan. This may include time for one (1) meeting, if necessary to understand the TCEQ requirements or facilitate acceptance of the workplan.

Meeting 3 – Final Workshop with GUS (after Work Plan acceptance by TCEQ, early January 2020 (est.)) – the Engineer will hold a conference call with the City to discuss implementation and sampling requirements of the Work Plan.

Task 1.3 Site Visit

The Engineer will travel with City representatives to potential monitoring sites to determine suitability and safe access to each site during the development of the monitoring plan. The engineer will provide up to two (2) staff for the site visit.

TASK ORDER

Task 2 Data Collection and Coordination with TCEQ

The Engineer will gather available data from Georgetown Utility Services (GUS) and other available data. This will include existing monitoring data and locations.

The Engineer will provide support for up to two (2) meetings with TCEQ, and up to one (1) additional conference call to discuss workplan tasks and verify that the plan will meet the permit requirements for each WWTP.

Task 3 Draft TDS Work Plan / Report

The Engineer will prepare one (1) draft TDS source identification and reduction study and instream monitoring workplan. The workplan will cover requirements for all three WWTPs (San Gabriel, Dove Springs, and Pecan Branch). The plan will include:

- Detailed discussion of monitoring efforts to help identify sources of TDS, chloride, and sulfate,
- Plan for effluent sampling,
- Plan for in-stream sampling,
- Plan to identify control options and reduction goals, and
- A plan for development and reporting for annual progress.

Additional requirements that may be needed after discussions with TCEQ

The plans for monitoring efforts will include a discussion of the goals of the monitoring plan and provide an outline for the monitoring efforts, including frequency of sample collection, sample locations, and parameters. Data collection and analytical methods will not be discussed in the workplan. The TCEQ has specified in the TPDES permits that data collection and analytical methods shall conform to the guidelines in the Surface Water Quality Monitoring Procedures, Volume 1 (RG-415, revised August 2012). This effort is not intended to discuss that. The draft workplans will be delivered to the City electronically. The OWNER will provide comments electronically within 21 days.

The draft workplans will address the TCEQ requirements in the TPDES permit and coordination with TCEQ staff (Task 1), including: “identification of influent TDS, chloride, and sulfate sources, control options, (e.g. BMPs, pretreatment requirements), effluent sampling at a minimum frequency of once per week, reduction goals, and annual progress reporting.” The plan will also address the permit requirements to identify the sample collection location, sample collection frequency, and sample method (i.e. grab or composite), and conformation to collection and analytical method standards. The Engineer will work with the City to discuss the City SOP for monitoring to verify that this meets the workplan requirements set forth in the TPDES permit (see meetings in Task 1).

Deliverable:

- Draft Work Plan for San Gabriel, Dove Springs, and Pecan Branch WWTP (electronic submittal)

Task 4 Final Work Plan / Report

The Engineer will prepare one (1) final monitoring workplan. The revised documents will include revisions to address comments received from the City. Three (3) hard copies and an electronic version of each of the final reports will be prepared and submitted to OWNER. In addition, one hard copy of the final report will be submitted to TCEQ as per the TPDES permit requirements.

TASK ORDER

Deliverables:

- Final Monitoring Plan – submitted to OWNER for San Gabriel, Dove Springs, and Pecan Branch WWTP
- Final Monitoring Plan – submitted to TCEQ for San Gabriel, Dove Springs, and Pecan Branch WWTP

Task 5 Ongoing Monitoring Services

The TPDES Permits (San Gabriel: WQ0010489002, Dove Springs: WQ0010489003, and Pecan Branch: WQ0010489005) state that the “duration of study shall be three years from the date of implementation and annual progress reports shall be submitted by December 31st of each year to the TCEQ Compliance Monitoring Team (MC-224)”. To assist with meeting this permit requirement, the Engineer will provide ongoing assistance to:

- Help analyze monitoring data and evaluate potential pollutant sources
- Develop preliminary recommendations for reduction strategies based on TCEQ requirements and source identification analysis
- Help develop the annual progress report for submittal to TCEQ for each submittal period

The Engineer will review the results of the monitoring effort and meet with the City to discuss for each submittal period.

3. Owner's Responsibilities

Owner shall have those responsibilities set forth in the Agreement subject to the following:

- A. Owner shall provide any facility of service area information as required for the monitoring plan development for TCEQ.
- B. Owner shall be responsible for collection of samples at the wastewater treatment plants and at stream locations, and any analytical testing fees, as needed for the implementation of the monitoring plan. Required tests will be specified in the monitoring plan for ongoing monitoring analysis and yearly submissions to TCEQ.

4. Times for Rendering Services

<u>Phase</u>	<u>Completion Date</u>
Draft Monitoring Plan	October 25, 2019
Final Monitoring Plan, submittal to TCEQ	November 15, 2019
Monitoring Plan Comments Due from TCEQ	January 15, 2019
Monitoring Plan <i>Estimated</i> Approval	January 30, 2019
Ongoing Monitoring (3yrs of annual progress reports)	December 31, 2021

TASK ORDER

5. **Payments to Engineer**

A. Owner shall pay Engineer for services rendered as follows:

<i>Category of Services</i>	<i>Compensation Method</i>	<i>Lump Sum or Not to Exceed Amount of Compensation for Services</i>
<i>Task 1 through 4 – Monitoring Plan Development</i>	<i>A. Lump Sum</i>	<i>\$25,000</i>
<i>Task 5 – Ongoing Monitoring Services</i>	<i>C. Billing Rate, Not-to-Exceed</i>	<i>\$32,000</i>
<i>Total Task Order Amount</i>		<i>\$57,000</i>

B. The terms of payment are set forth in Article 4 of the Agreement unless modified in this Task Order.

6. **Consultants:** None

7. **Other Modifications to Agreement:** None

8. **Attachments:** Billing Rate Schedule

9. **Documents Incorporated By Reference:** The Agreement effective September 30, 2016.

TASK ORDER

Terms and Conditions: Execution of this Task Order by Owner and Engineer shall make it subject to the terms and conditions of the Agreement (as modified above), which Agreement is incorporated by this reference. Engineer is authorized to begin performance upon its receipt of a copy of this Task Order signed by Owner.

The Effective Date of this Task Order is _____, 20____.

OWNER:

ENGINEER:

By: _____

By: _____

Name: Dale Ross

Name: Allen Woelke, P.E.

Title: Mayor, City of Georgetown

Title: Vice President

Date: _____

Engineer License or Firm's
Certificate No. F-3043
State of: Texas
Date: _____

ATTEST:

APPROVED AS TO FORM:

Robyn Densmore, City Secretary

City Attorney

TASK ORDER

DESIGNATED REPRESENTATIVE FOR
TASK ORDER:

DESIGNATED REPRESENTATIVE FOR
TASK ORDER:

Name: Mike Welch

Name: Allen Woelke

Title: Plant Superintendent

Title: Vice President

Address: 300-1 Industrial Ave.
Georgetown, TX 78626

Address: 9430 Research Boulevard
Suite 1-200
Austin, TX 78759

E-Mail Address: Mike.Welch@georgetown.org

E-Mail Address: woelkead@cdmsmith.com

Phone: 512-819-3141

Phone: 512-346-1100

Fax: _____

Fax: 512-345-1483

TASK ORDER

CDM Smith	
Billing Rate Schedule	
Personnel Category	Billing Rate (\$/hr)
Program Manager	295
Technical Specialist	295
Senior Technical Advisor	280
Engineer 8	240
Engineer 7	220
Engineer 6	200
Engineer 5	180
Engineer 4	160
Engineer 3	140
Project Engineer 1/2	130
Senior Technician/CADD	135
Drafter	115
Senior Administration	110
Contract Administration	100
Clerical	90