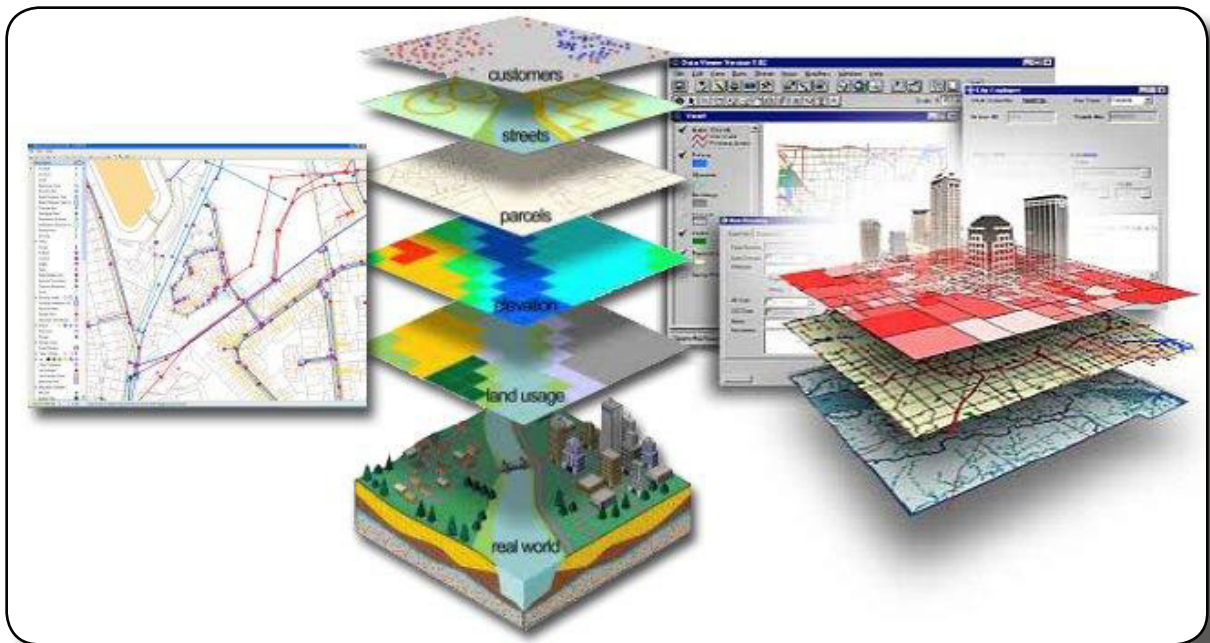


HAYTER

ENGINEERING

Practical Infrastructure Solutions

Statement of Qualifications for GIS Mapping Services



TEXAS HISTORICAL COMMISSION

PRESENTS THIS

TEXAS TREASURE BUSINESS AWARD

TO

HAYTER ENGINEERING, INC.
FAMILY OWNED AND OPERATED IN TEXAS SINCE 1957

FOR EXCEPTIONAL CONTRIBUTIONS
TOWARD THE ECONOMIC GROWTH AND PROSPERITY OF TEXAS.


SENATOR KEVIN ELTIFE
DISTRICT 1


REPRESENTATIVE GARY VANDEKAMP
DISTRICT 1




MARK WOLFE, EXECUTIVE DIRECTOR
TEXAS HISTORICAL COMMISSION



HAYTER
ENGINEERING

TEXAS • OKLAHOMA • ARKANSAS • LOUISIANA

4445 SE Loop 286 Paris, TX 75460

t 903.785.0303 www.haytereng.com



SECTION 1 INFORMATION ON THE FIRM

Hayter Engineering was founded in 1957 to serve rural water utilities and municipal clients as an extension of its staff. With one office located in Paris, TX, over 60 years later the firm continues to serve rural water utilities and municipal clients, and now offers services to private developers and industrial groups. These services are offered in Texas, Oklahoma, Arkansas, and Louisiana.

Hayter Engineering has been recognized by the Texas Historical Commission with a Texas Treasure Business Award for 60 years of Civil Engineering service to North Texas municipalities, water utilities, private developers, and industrial groups. Hayter Engineering is a trusted advisor to many clients in North Texas.



LICENSES AND REGISTRATIONS

Texas Board of Professional Engineers: F-315

Texas Board of Professional Land Surveyors:
#10028600

Oklahoma State Board of Professional
Engineers and Land Surveyors:
#CA 603 PE/LS Arkansas State Board of
Professional

Engineers Certificate of Authorization: #2521

Louisiana Professional Engineering and Land
Surveying Board Professional Engineering

Firm License number: EF6529

SERVICES / PROJECT TYPES

MAPPING - GIS & AUTOCAD BASED

- Municipal - all departments/service areas
- Water Utility, Industrial, Commercial, Private, and Educational Infrastructure
- Topographic •Master Plans

CIVIL ENGINEERING

Water Systems:

- Deep Wells & Pump Stations
- Distribution Systems
- Elevated & Ground Storage
- Treatment & Disinfection
- FEMA Floodplain Management

Wastewater Systems:

- Treatment •Gravity Sewer Collection
- WW Permitting •Stormwater Permitting
- Water & Wastewater Facility Evaluations
- Lift Station & Force Mains

SURVEYING

- GIS/LIS •FEMA
- Topographic •Boundary
- Construction •Improvement
- Land Title •ALTA
- Easements •Record Drawings
- Platting •Design
- Photogrammetric Ground Control

ENVIRONMENTAL ENGINEERING

- Environmental Reviews and Assessments
- State and Federal Discharge Permitting

PLANNING

- Site Planning
- Water Conservation Plans
- Infrastructure Master Plans

RELATED SERVICES

- Bidding & Construction Management
- Record Drawings •Warranty Review



STAFF & CLIENT HISTORY

In order for Hayter Engineering to provide exceptional planning, engineering, surveying and mapping services to our clients, we have assembled a highly qualified technical and administrative staff. But that is not enough. We only hire high quality people. When you interact with any of our staff you will know that they always have your best interest in mind.

Our current staff consists of:

- 5 Registered Professional Engineers (PE)
(5 Project Managers)
- 3 Design Engineers (Degree in Engineering
working towards PE)
- 1 Registered Professional Land Surveyor
(RPLS)
- 2 Fully equipped survey crews including GPS
- 3 GIS/AutoCAD Technicians utilizing
ArcMap 10.3 and 2019 Civil3D
- 4 Administrative Staff Members

Acting as an extension of your staff, Hayter Engineering prides itself on the personalized attention every need you have will be met with. Our commitment to you includes: always being responsive; respecting your time; managing your money (project budget) with your best interest in mind; punctuality in all matters; and keeping you informed/updated. These are the characteristics you will experience with every member of our staff. Our goal is to become your trusted advisor. Through this approach to developing lasting relationships with our clients we have been honored to work with many of them for decades. The table at right illustrates the length of these relationships.

Hayter Engineering Long Term Clients	
10 + Years	410 WSC City of Quinlan, Red River County Red River County WSC
20+ Years	City of Blossom Chisum ISD City of Collinsville City of East Tawakoni Golden WSC City of Point
30 + Years	City of Arp City of Commerce City of Cooper City of De Kalb Delta County MUD City of Deport City of Detroit City of Edgewood City of Emory Franklin County WD City of Pecan Gap City of Reno City of Tioga City of Trinidad
40 + Years	City of Bonham City of Roxton City of Winnsboro
50 + Years	City of Avery Lamar County WSD City of Paris

We are proud of these long term relationships and are always striving to offer our services to new clients. We have served an additional 22 clients less than 10 years. These long term and newer relationships have resulted in a current project workload of 37 municipal or rural water utility projects and 7 private or industrial projects underway with several more in the planning stage.



QUALIFICATIONS OF FIRM & PROPOSED TEAM MEMBERS

Hayter Engineering has been performing GIS mapping since 2000. This began with GIS mapping in conjunction with water system modeling, but with the extensive features available quickly expanded to mapping for many departments within municipalities and water utilities. In order to provide the most up to date mapping capabilities we also use the most current GIS software and ensure our staff is appropriately trained.

The list of GIS projects in Section 2 page 7 provides a good representative of the varied types of GIS mapping we have been fortunate enough to perform.

PRINCIPAL IN CHARGE MIKE DONNAN, PE

As the Principal In Charge, Mike will oversee the project team and ensure superior communication, quality, deliverables, and timely completion of the project. He brings more than 37 years of technical and project management experience in the areas of water and wastewater utilities. Mike has been the Project Manager and Principal In Charge for numerous infrastructure master plans, utility system analysis, and city-wide planning projects and will apply that knowledge to your mapping project.

PROJECT MANAGER CHRIS DONNAN, PE, CFM

As the Project Manager, Chris will serve as your primary point of contact. Chris has over 12 years of experience in public works planning, design and quality management, with expertise in the areas of geographic information systems

(GIS), hydrology, hydraulics, and floodplain management. Chris has a proven management approach that delivers a quality product on time and within budget. He understands that the success of his projects is dependent on his committed involvement in all aspects of the project.

GIS Mapping & System Analysis

- Master Plan Update, Lamar County WSD, Lamar County, TX
- FM 515 Water Model, Emory, TX
- 2016 Campus Improvements, Chisum ISD, Paris, TX
- Regional Wastewater Master Plan Update, Longview, TX
- Overton Creek Master Drainage Plan, Fort Worth, TX
- Cedar Creek Master Drainage Plan, Grand Prairie, TX

GIS Mapping

- Riverbend Water Resources District, Water, Sanitary Sewer, Industrial Sewer for Red River Army Depot, New Boston, TX
- System data collection and mapping, Gober MUD, Gober, TX
- System data collection and mapping, Bartley Woods WSC, Bonham, TX
- Comprehensive Plan, Cooper, TX
- Comprehensive Plan, Trinidad, TX
- SSES, Quinlan, TX
- SSES, Whitesboro, TX
- Water System Mapping, Grand Saline, TX

System Analysis

- Water Distribution Study, Four Seasons Fort Worth, TX
- Water Network Study, White Settlement, TX
- Water Distribution Study, Glad Parks, Euless, TX
- Sanitary Sewer Impact Study, Mercantile, Fort Worth, TX



PROJECT MANAGER KEVIN VANHOOZIER, PE

In the 7 years Kevin has been with Hayter Engineering he has gained significant experience in development of GIS mapping components. His experience includes GIS mapping for water system models, storm drainage improvements, site development, CCN amendments and grant applications. Kevin's water and wastewater design experience provides a high level of familiarity with the detailed layout concepts invaluable in GIS mapping and as the first line of review for all mapping development.

GIS Mapping Experience

- Water Model, Emory, TX
- FM 515 2016 Campus Improvements, Chisum ISD, Paris, TX
- Johnson Woods Drainage Improvements Flood Study, Paris, TX
- Preliminary Business Park Layouts, Trinidad EDC, Trinidad, TX
- TxDOT, Transportation Alternatives Program, Edgewood, TX
- Main Street/Island Bayou Drainage Study, Bonham, TX
- CCN Amendment, Cash SUD, Greenville, TX
- Jones Field Airport Hangar Layout, Bonham, TX

Water & Sewer Design Experience

- Business Park Utilities-Phase II, Trinidad EDC
- Water System Improvements, Commerce, TX
- Sewer System Improvements, Commerce, TX
- Sparks & Gibbard Sewer Line Replacement, Wills Point, TX

- Wilson & Hollywood Utilities, Arp, TX
- Reunion Street Sewer Replacement, Fairfield, TX
- Sundown Ranch Force Main, Canton, TX
- Southeast Lift Station Force Main, Paris, TX
- SH 11 Utility Relocation, Gafford Chapel WSC, Sulphur Springs, TX
- TxDOT Rest Stop Waterline Extension, Cash SUD, Greenville, TX
- 2016 Bond Improvements, Chisum ISD, Paris, TX

GIS/CAD TECHNICIANS

The technicians assigned to your project have all completed GIS mapping continuing education course work and are scheduled annually for additional training in order to stay current on GIS advancements. Their GIS mapping experience includes:

- Municipal Base Mapping
- Existing & Proposed Water, Wastewater, and Drainage Systems
- Existing Street Conditions & Proposed Improvements
- Existing & Projected Population Distribution
- Existing & Future Land Use
- Site Development - Private Developers
- Engineering Report Exhibits

Having the ability to assign multiple technicians to your project will provide great flexibility to the GIS mapping data fields and/or layers that can be developed simultaneously.

SECTION 2

PROJECT TEAM

Each member /department of the project team is essential to the overall successful development of the GIS mapping system. All team members will need to function as one team to ensure project success. As the end user, each department within your City will work with Hayter Engineering to establish the objectives and goals for the GIS mapping system. It will be the responsibility of Hayter Engineering to accomplish these objectives and goals in an accurate, efficient and timely manner.

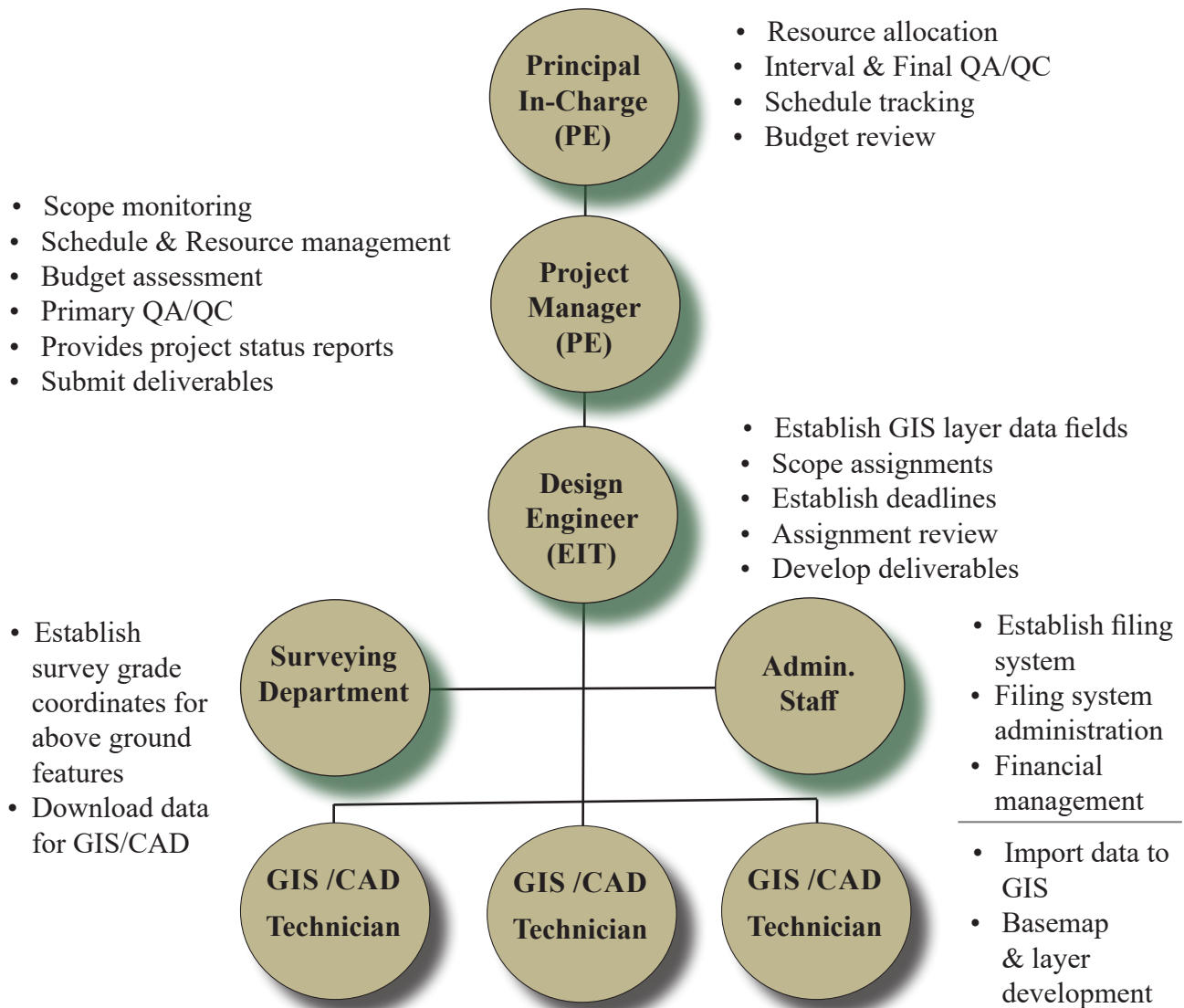


Even with the skilled technical team we have established for your GIS needs, Hayter Engineering understands that close coordination and frequent communication are both critical to an accurate, efficient and timely project completion. This has to be the case not only within Hayter Engineering but also with the overall team members. At the outset of your project, designated team members from each department will establish a standard operational procedure to ensure proper and timely coordination and communication.



YOUR PROJECT TEAM AT HAYTER ENGINEERING

The project team we have assembled for GIS mapping not only has the relevant GIS mapping experience required, but also has decades of civil planning and design experience. The combination of these two will ensure that your GIS mapping system will be robust and meet your expectations. As shown in the organizational chart below, your GIS mapping will have access to all required resources. These resources will be allocated and managed to ensure you receive a fully developed GIS mapping system meeting your requirements, within the established budget and completed per the required schedule.



Upon successful completion of the GIS mapping project this same team would fulfill all of your mapping updates and maintenance needs at any frequency you desire.



GIS Mapping in Past Six Years		
Client	Project Description	Time Frame
City of Bonham, Texas	City-wide GIS mapping of water and wastewater systems, city limits, parcel map, and CCN.	2012
City of Blossom, Texas	Flow testing and fire hydrant locates. Testing results and hydrant locations were integrated into the City's GIS.	2012
City of Reno, Texas	City-wide GIS mapping of water and wastewater systems, city limits, lot lines, floodplains, streets, and high resolution aerial imagery. Yearly updates and maintenance	2012 - 2014
Lamar County Water Supply District, Texas	System-wide GIS mapping of 1,222 miles of pipe, 7,316 retail service connections and 10 wholesale connections of the water system including CCN, floodplains, and soil data. Routine updates and maintenance.	2014
City of Sherman, Texas	Annual smoke testing of wastewater lines and GIS mapping updates for the City.	2014-2017
City of Grand Saline, Texas	City-wide GIS mapping of water and wastewater systems.	2016 - 2017
City of Cooper, Texas	Comprehensive Plan including GIS mapping of water, wastewater, and storm drain system, housing and street inventory, land use, and population distribution.	2016-2017
City of Trinidad, Texas	Comprehensive Plan including GIS mapping of water, wastewater, and storm drain system, housing and street inventory, land use, and population distribution.	2016-2017
Riverbend Water Resources District	Red River Army Depot System-wide GIS surveying and mapping 108.5 miles of water, sanitary and industrial sewer mains, 519 valves, 530 manholes, 290 fire hydrants, 2 pump stations, 29 lift stations, 3 storage tanks, and 69 meters	2018-2019
Gober MUD	System-wide GIS mapping of water lines, meters, valves and other facilities.	2018-2019
Bartley Woods WSC	System-wide GIS mapping of water lines, meters, valves and other facilities.	2018-2019
Pleasant Grove WSC	GIS mapping and system water model.	2019-2020
City of Tioga, Texas	GIS mapping and system water model.	2019
Riverbend Water Resources District	Water & wastewater system updates	ongoing



PROJECT APPROACH AND PROPOSED TIMELINE

Working with your staff, Hayter Engineering will establish the goals and requirements to develop geographic information system (GIS) mapping for the desired departments/service areas. GIS mapping allows for better decision making and improved communication all the while improving the management of data and your facilities.

Hayter Engineering has identified the following key factors to ensure the successful execution and completion of any GIS mapping project:

Data Collection

Having the most up-to-date and accurate mapping information for all areas/systems will be vital to the success of your mapping. Hayter Engineering will coordinate with your staff to gather the necessary data files, and digital files for the existing mapping as well as necessary record drawings.

After the Survey Services and Development of GIS Mapping (described below) have been completed, Hayter Engineering will pull record drawings for features that have discrepancies between the survey data and existing mapping. To accurately locate these features additional information from record drawings become necessary.

Survey Services

Survey services are necessary to develop an accurate map of the facilities, utilities, and data with all desired attributes to be recorded. Locating desired features with a survey grade Global Positioning System (GPS) provides accuracy to within 0.1 feet. Hayter Engineering believes it would be best to meet with our Registered Professional Land Surveyor (RPLS) prior to any surveying activities to develop a scope of required surveying. Hayter Engineering will

utilize existing mapping and record drawings and its in-house survey crew to collect the locations of the necessary features .

Development of GIS Mapping

With there potentially being numerous systems/service areas Hayter Engineering has the capability to map multiple systems simultaneously. This will help compact the timeline resulting in a faster completion date.

The first step is typically to convert existing mapping from AutoCAD to GIS. The next step will be to incorporate utilities that have been added via record drawings not in GIS yet. Hayter Engineering will then add the survey data and ensure that all lines and facilities are drawn in at the appropriate locations. At this juncture we will be able to identify lines and facilities that have contradictions, requiring record drawings to be pulled.

Develop GIS Utility Layer Fields

This is a crucial step in the mapping process. Hayter Engineering will work closely with you to develop layer fields for all system/service areas. Hayter Engineering will make layer field recommendations based on our past experience with other mapping projects; however, we are profoundly aware that no mapping project is just like the next, and each client has different priorities and needs. Because of this, Hayter Engineering believes it is paramount to sit down with you to ensure the layer fields are set up to meet your specific requirements.

Even though the location of facilities will be accurate and facilities data/attributes will be included as a layer field, there still may be a need for more specific information. For your infrastructure, providing a link to record drawings can allow for quick and easy access to much of



the additional information that may be required. If this is desired, Hayter Engineering can digitize and catalog all record drawings so a hyperlink can be added as a layer field for desired utilities.

Develop Mapping

Mapping can be developed to suit each departments' needs. For example, system maps can include color coded lines by system type, material, or size, to name a few options. Fire hydrants can be color coded based on flow data and valves can be different colors to denote Hayter Engineering status (opened or closed). Each layer can be set up to visually display certain features and as such it is imperative that Hayter Engineering work closely with you to ensure the visual aspects of each system map are set up for your viewing needs.

Deliverables

Deliverables will include digital GIS mapping and hard copy maps of each system. Digital GIS mapping can be provided in a variety of formats (geodata base, shapefiles, data package). Data packages make it easy to share complete map documents with others who do not have the ArcGIS Desktop software. The data package maintains settings defined in ArcMap, for example, layer properties (hyperlinks, color settings, and labels), data frame properties (bookmarks, extents and projections), and page layout configuration.

Hayter Engineering can bring the deliverables to your offices, and upload the GIS mapping to your server.

Training

As with any new software, there is a learning curve. Hayter Engineering believes that to ensure that you have a complete understanding how to navigate and utilize your new GIS mapping, a day long training course would be beneficial for

personnel without ArcGIS experience. Hayter Engineering can provide the training on-site and cover everything from adding shapefiles to viewing and navigation. GIS mapping is a very powerful and effective tool for managing systems, and Hayter Engineering wants to ensure that you understand how to utilize the mapping to its fullest capabilities.

System Updates

Systems/service areas are continually changing, whether they are being expanded or older, maintenance-prone, features are being abandoned and replaced with new features. As such, GIS mapping updates will be required to keep up with these changes to ensure the system mapping remains as accurate as possible. Hayter Engineering can host the GIS mapping and therefore make any necessary system updates, if desired. These updates can be performed at any frequency required. The mapping update procedures will be something discussed after Hayter Engineering has completed the GIS mapping.

Additional GIS Capabilities

Hayter Engineering wanted to make you aware of additional GIS mapping capabilities if an upgrade was ever desired. The setup recommended above is basic and is an excellent place for any system to start. As you work within your new GIS mapping you may discover that expanded capabilities are required to improve your day to day operations. The first obvious step would be to obtain a license for ArcGIS desktop. This would be the same platform that Hayter Engineering uses to create the GIS mapping, allowing you to perform the same tasks.

Another expanded capability would be ArcGIS Online. This is an online, collaborative web GIS that allows you to use, create, and share maps,

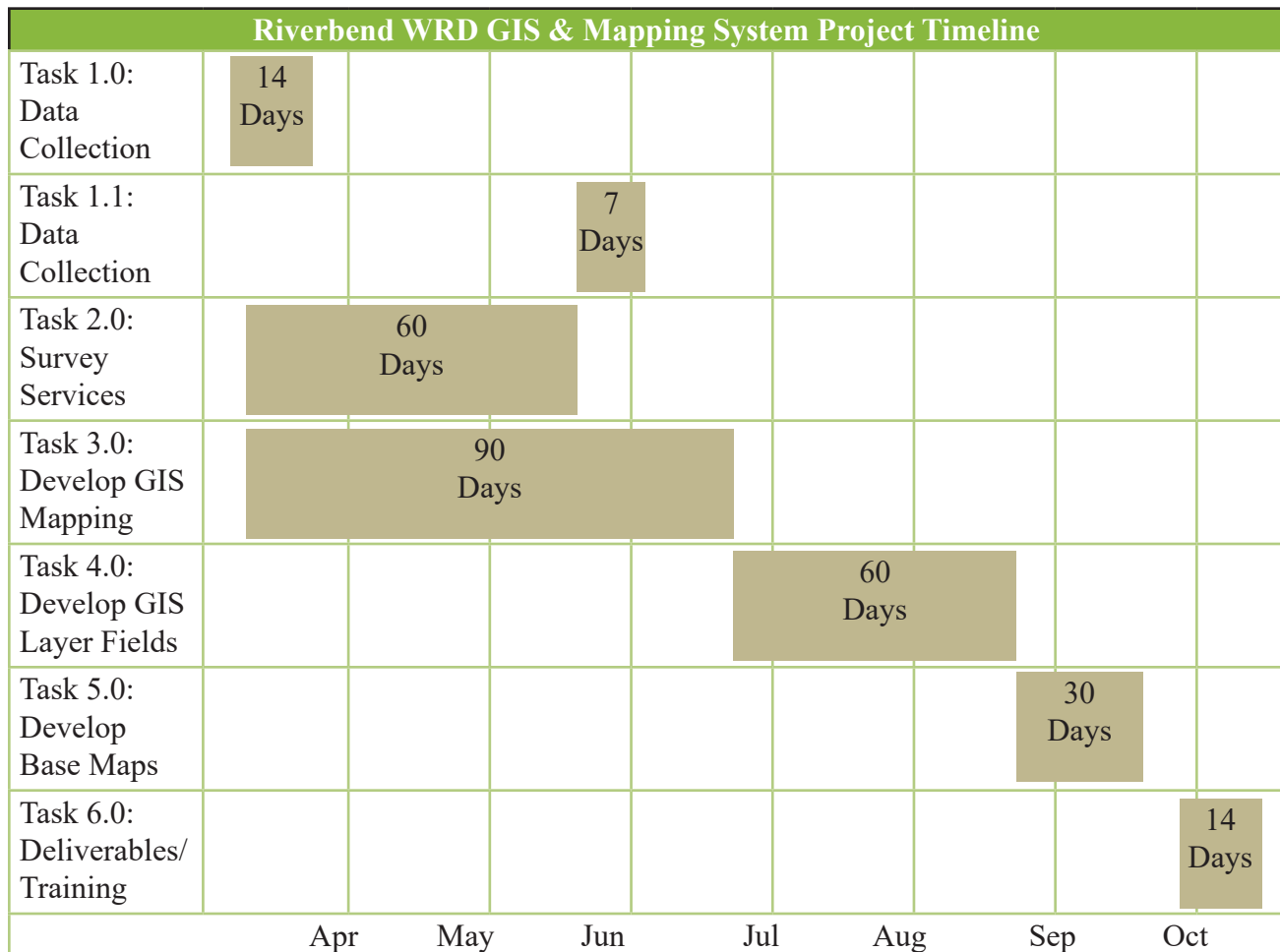


layers and data. Online data can even be accessed with a smart phone through the Collector app for ArcGIS. Work orders can be sent to field crews eliminating the need for them to return to the office. Managers can track the activities and progress of the field crew. In addition, the field crew can collect and update information in the field to improve the accuracy of the GIS mapping. These are just a few possibilities for expanding your GIS mapping capabilities. When the time

comes, Hayter Engineering will be happy to work with your staff to expand your GIS mapping capabilities to fit your ever evolving need.

Timeline

The timeline for your GIS system will depend in large part on the scope of the areas to be included. To give you some frame of reference on your timeline we have provided the timeline for the Riverbend Water Resources District project described on page 7.



MICHAEL J. DONNAN, P.E.
PRESIDENT

Mike has over 37 years of experience in consulting, planning, design, construction review, bridge inspection, operations and environmental reviews for a wide range of civil works. Prior to his association with Hayter Engineering, Inc., he served as an officer in the U.S. Army Corps of Engineers. Mike joined Hayter Engineering, Inc. in 1983 serving as a Project Manager from 1988 to 2013, Senior Project Manager since 2013 and Vice President in 2017.

Below is a partial list of his projects.

WASTEWATER FACILITIES

Collection System Improvements:

(3) Bonham, TX	(3) Trenton, TX	Commerce, TX
Deport, TX	Blossom, TX	Cooper, TX
Point, TX	Emory, TX	Winnsboro, TX

Collection System & Lift Station Improvements:

(5) Emory, TX Edgewood, TX
Rehabilitation of Lift Stations (11), East Tawakoni, TX
Southwest Interceptor and Lift Station, Cooper, TX
Manhole Rehabilitation and Replacement, Paris, TX

Treatment Facilities:

(2) Emory, TX	Winnsboro, TX	Trenton, TX
DeKalb, TX	East Tawakoni, TX	Point, TX

WATER FACILITIES

Distribution System Improvements:

Winnsboro, TX	DeKalb, TX	Commerce, TX
Bonham, TX	Trenton, TX	(3) Golden WSC, TX
Deport, TX	East Tawakoni, TX	Farmersville, TX
Emory, TX	Reno, TX	Lamar County WSD
Paris HS, Paris, TX		

Transmission Mains:

Treated Water, Point, TX	Raw Water, Edgewood, TX
36" Raw Water, Paris, TX	Treated Water, Alba, TX
Treated Water, Hickory SUD	East Tawakoni, TX

Elevated Tanks:

150,000 Gal: Blossom, TX East Tawakoni, TX Emory, TX
75,000 Gal: Arp, TX Hickory Creek SUD

Elevated & Ground Tank Rehabilitation & Painting:

Point, TX East Tawakoni, TX Emory, TX Grand Saline, TX

Ground Tanks & Booster Pumping Facilities:

(0.5 Million Gal. & 1 Million Gal. Tanks) Lamar County WSD
Pump Station & Transmission Main, Lamar County WSD
Golden WSC, (Cooling Water) Lamar Power, Paris, TX



EDUCATION

B.S.C.E. Civil Engineering
Virginia Military Institute,
1980

**YEARS OF
EXPERIENCE**

40 Years of Experience
37 Years with HEI

REGISTRATIONS

Professional Engineer, TX
#65217, 1988

**PROFESSIONAL
AFFILIATIONS**

National Society of
Professional Engineers

Texas Society of
Professional Engineers

American Society of Civil
Engineers

Water Environment
Federation

CHRISTOPHER M. DONNAN, P. E., CFM

PROJECT MANAGER

Chris has more than 12 years of experience in public works planning, design and quality management, with expertise in the areas of geographic information systems (GIS), hydrology, hydraulics and floodplain management. His experience involves working for several local, state, and regional entities.

Below is a partial list of project experience. Note: GIS experience listed in Section 1.

WATER AND WASTEWATER INFRASTRUCTURE DESIGN

Cooper, TX - 2015 Water & Wastewater Facility Improvements

Bailey, TX - Sewer Line Improvements

Paris, TX - 2013 Bond Fund Water & Sanitary Sewer Replacement Projects

Lamar County WSD, Brookston, TX - Tigertown Booster Pump Station, Storage and Main

Bonham, TX - Sanitary Sewer Design, South Village Addition

Bonham, TX - Main Street Sanitary Sewer Relocation

Arp, TX - Barron Street Utilities & Paving

Paris, TX - 2017 Campus Improvements, Chisum ISD

WATER DISTRIBUTION SYSTEM PLANNING AND ANALYSIS

Red River County WSC - Water model for well and pump to existing water tower in Avery, TX

Dallas County Water Control and Improvement District #6 - Water Network Calibration & Water Quality Analysis, Dallas, TX

Sulphur Springs, TX - Pressure Plan to meet TCEQ requirements

DRAINAGE PLANNING AND DESIGN (GIS Mapping and/or Analysis)

Fort Worth, TX - Milam-Robinhood Storm Drain Analysis

Grand Prairie, TX - Drainage Study for Prime Outlets

Fort Worth, TX - Como Creek Master Drainage Plan

Commerce, TX - Drainage Channels Improvements

Paris, TX - Johnson Woods Channel Flood Study

Bonham, TX - Pig Branch Drainage Study

McKinney, TX - Water Diversion and Dewatering plan for NRCS Floodwater Retarding Structure Site 2A Rehabilitation for Accelerated Critical Path Contractors

Arlington, TX - Rush Creek Watershed Study

Fort Worth, TX - Forest Park-Berry Storm Drain Watershed Planning Study



EDUCATION

BS, Civil Engineering, Texas A&M University, 2005

MS, Water Resources, Texas A&M University, 2007

YEARS OF EXPERIENCE

5 Years with Hayter Engineering

6 Years with AECOM

1 1/2 Years with Harrison, Walker & Harper

REGISTRATIONS

Professional Engineer, TX #107253, 2010

Professional Engineer, OK #26390, 2013

Professional Engineer, AR #15718, 2013

Professional Engineer, LA #38203, 2013

Certified Floodplain Manager (1700-09N), 2009

PROFESSIONAL AFFILIATIONS

American Society of Professional Engineers

Texas Floodplain Management Association

KEVIN R. VANHOOZIER, P.E.
PROJECT MANAGER

Kevin joined Hayter Engineering after graduating from the University of TX at Arlington in May 2013 and has assisted project managers with water and wastewater facility projects, streets and drainage projects, engineering reports, and construction observation for the past four years. Below is a partial list of project experience.

Note: GIS Experience listed in Section 1.

WATER FACILITIES

Kemp, TX, Chemical Feed Analysis
Trinidad, TX, Raw Water Source Analysis
Daisy Dairy, Lamar Co., TX, Raw Water Diversion Station
Texas A&M University - Commerce, TX, Monroe Street Pump Station Upgrades
Westwood Utility Corporation, Fairfield, TX, High Service Pump Replacement & Alternative Capacity Documentation
Cooper, TX, Utility Relocation on State Highway 24
Cooper, TX, Water Treatment Plant Variance Request
Paris, TX, Water Treatment Plant Variance Request
Lone Oak, TX, Chloramine Disinfection System
Sulphur River MWD, Commerce, TX, Reservoir Rights Analysis
Tioga, TX, Raw Waterline for Well #5
Bartley Woods WSC, Bonham, TX, Water Distribution System Variance Request
Bonham, TX, GK Reddy Apartments
Bonham, TX, South Village Addition

WASTEWATER FACILITIES

Sundown Ranch, Canton, TX, Stabilization Pond Wastewater Treatment Plant
Randolph WSC, Randolph, TX, Odor Abatement Structure
Fairfield, TX, New Wastewater Treatment Plant Aerators
Whitesboro, TX, Lift Station Analysis
Paris, TX, Flow Equalization Basin Barscreen
Commerce, TX, Flow Equalization Weir Gate Installation
Paris, TX, Paris Lakes Medical Center Sewer Line
Fairfield, TX, Sludge Processing Equipment
Edgewood, TX, SH 80 Sewer Line Extension
Paris, TX, Southeast Lift Station Preliminary Engineering Report
Arp, TX, Barron Street Utilities
Bonham, TX, GK Reddy Apartments
Bonham, TX, South Village Addition



EDUCATION

BSCE - University of
Texas at Arlington, TX
2013

**YEARS OF
EXPERIENCE**

7 Years with Hayter
Engineering

REGISTRATIONS

Professional Engineer,
Texas #127925, 2017
Professional Engineer,
Oklahoma #30332, 2018
Professional Engineer,
Louisiana #42611, 2018
Professional Engineer,
Arkansas #18385, 2018

**PROFESSIONAL
AFFILIATIONS**

Texas Society of
Professional Engineers

Kevin K. Whitley, R.P.L.S.
Principal / Survey Manager

Kevin has 23 years of experience in design surveying and boundary surveying, using both GPS and conventional methods for field surveying and AutoCAD Civil 3D 2019 as well as ArcMap 10.3 in the office. Kevin has been Survey Manager since 2006, and became a principal of Hayter Engineering in 2017. Below is a partial list of Kevin's surveying experience.

GIS PROJECTS

GPS surveying for GIS projects for: City of Bonham; City of Reno; Lamar County WSD; Oak Creek Subdivision in Paris, Texas; and Gail Parkhill, Developer for tracts of land in Paris, Texas

DESIGN AND CONSTRUCTION SURVEYS

Lamar Power Partners/Panda Energy, Paris, Texas
LaQuinta Inns, Lindale, Allen, and Euless, Texas
Holiday Inn Express and Comfort Suites, Paris, Texas
North Lamar ISD, Training Facility, Paris, Texas
Brentwood Terrace Healthcare and Rehab Center, Paris, Texas
Municipal utilities for the cities of: Emory, Pairs, Point, East Tawakoni, Commerce, and Deport, Texas
South Collegiate Drive, Paris, Texas
IHOP, Mt. Pleasant, Texas
First Federal Bank, Clarksville and Paris, Texas
Hydro Aluminum Smelting Plant, Commerce, Texas

FEMA / ALTA / PROPERTY BOUNDARY & EASEMENT / STREETS / UTILITY STAKING / PRELIMINARY & FINAL PLATS / LAKE AND CHANNEL DEPTH / AND OTHER SURVEYS

Field work for 6 miles of Texas Midland Railroad right-of-way.
ALTA Surveys for Mirabeau Square, Florida Power and Light, and other retail centers, Lamar County.
FEMA surveys, including Elevation Certificates and Application forms for Single Residential Lot or Structure Amendments to National Flood Insurance Program Maps.
Property boundary and easement surveys in Lamar, Red River, Fannin, Delta, Hopkins, Henderson, Hunt, Van Zandt, Collin, Franklin, Tarrant, Titus, Grayson, and Bowie Counties.
Design surveys for city streets in Annona, Avery, Bonham, Commerce, Cooper, Deport, Detroit, DeKalb, Trenton, and Winnsboro, Texas.
Utility Staking – 16 miles of existing waterline for Florida Power and Light.
Preparation of preliminary plats, final plats and replats in Collin, Delta, Fannin, Lamar, Tarrant, Red River and other counties.



EDUCATION

Bachelor of Science
Stephen F. Austin State University, 1997

YEARS OF EXPERIENCE

23 Years of Experience
22 Years with HEI

REGISTRATIONS

Registered Professional Land Surveyor
2006, Texas (5892)
Professional Land Surveyor - 2014,
Oklahoma (1901)

SEMINARS

Texas Society of Professional
Surveyors, Symposium - "Exploring
Texas boundaries," "An Expedition
Through the Act and Rules,"
"Retraceable Legal Descriptions."
A Journey Through the Matrix
(Texas Board of Professional
Licensed Surveyors Act & Rules)
A Surveyor's Guide to Platting in Texas
Professional Ethics in Land Surveying
TBPLS Act & Rules
Texas Laws for Professional Surveying
"Out of Bounds" Exploring Texas
Boundary Law
Resolving Conflicts of Survey Evidence
Texas Inland Water Boundaries
The 2007 National Readjustment
Hazwoper 24 Hour Course
Underground Facility Damage
Prevention
Survey Data Management System
(SDMS)