



STATEMENT OF QUALIFICATIONS

BURNET COUNTY

Consulting Engineering Services Planning
and Design Engineering Services

RFP #20-4090-02

February 10, 2020



CONSULTANT'S CAPABILITIES/ EXPERIENCE/REFERENCES

SECTION 1



CAPABILITIES/EXPERIENCE/REFERENCES

Dunaway Associates, L.P., is a professional services company with a staff of over 190 and a solid, results-oriented history. Founded in 1956, we provide civil and structural engineering, planning, landscape architecture, environmental services, traffic and parking engineering, hydraulics/hydrology, land surveying, and GIS services across Texas. With continued growth over our 64-year history, Dunaway provides depth of resources for each project, while maintaining a high level of client service, accessibility, and responsiveness. Our goal is to provide our clients the best possible expertise and service, to commit the resources necessary to ensure the success of each project, and to maintain excellent professional relationships.

COMMUNICATION

We believe the key to a successful outcome is strong management of the project and close coordination between the project manager and County staff. Regular and frequent communication with County personnel in meetings, by phone, and email will help ensure a quality product. Regular status meetings with County staff and stakeholders, as necessary, are recommended so that everyone stays in the loop and project deadlines are clearly understood. Coordination within the project team is critical to project success. We have established relationships with all of the key people on our team and have developed an efficient and reliable process for completing assignments.

To support communication among team members, Dunaway uses Newforma Project Center, a project information application. This application facilitates project management, QA/QC tracking, and design for rapid exchange of information with the County as well as our subconsultants. Electronic files for distribution and review (PDF, AutoCad DWF, and others) can be published, tracked, and compared. Action items can be identified, managed, and tracked. RFIs, record copies, timelines, etc., can be managed project-wide and easily reviewed.

QUALITY CONTROL

Dunaway's QA/QC procedures are an integral part of the project delivery process, beginning with the startup meeting and continuing through final submittals. The basic procedure consists of two components—Quality Control and Quality Assurance. Quality Control is a detailed review performed by assigned members of the project team to check the accuracy of the work product; Quality Assurance is performed by a senior-level staff member to help ensure that the deliverables meet the contract requirements, meet the project plan, satisfy the client's expectations, are constructible, and meet our standards for quality.

COMMITMENT TO MEETING THE SCHEDULE

Dunaway is committed to Burnet County and have the in-house capacity to see this project through to completion. Our philosophy for ensuring projects are delivered on schedule is to begin with the end in mind. We believe that strong communication between the client's project manager and our project manager is key in making sure deadlines and schedules are honored. Based on the phase of the project, weekly, if not daily, communication is maintained to make sure both project managers are aware of any potential changes. Streamlined communication helps everyone make smart and collaborative decisions to guarantee adherence to the project schedule.

MIDLAND COUNTY ROADWAY PROGRAMMING AND DESIGN

Midland, Texas

YEAR COMPLETED:

Ongoing

TEAM:

Jason Kelliher, PE

Project Manager

Jennifer Becker, PE

Project Engineer

Caleb Milligan, PE

Project Engineer

REFERENCE:

Honorable Judge Mike
Bradford

Midland County
Courthouse

cj101@co.midland.tx.us

500 N. Loraine, Suite

1100, Midland, TX 79701

432.688.4872

Midland County utilized Dunaway to modernize the maintenance programming for the road and bridge department. Our team developed a county-wide interactive inspection and data collection system to allow Midland County personnel to document the existing road conditions, culvert and drainage infrastructure conditions, and document locations for spot maintenance issues.

With the newly collected road inspection data, our team amassed the data into an interactive GIS mapping program to highlight the conditions of all infrastructure in the County. This allows for Midland County to better prepare annual budgets to target the roads and infrastructure most in need of repair and maintenance. Features of the program include scoring criteria for ranking road projects and more detailed asset management plans to automatically prepare Opinions of Probable Cost for typical road repair projects.



TARRANT COUNTY CDBG

Tarrant County, Texas

YEAR COMPLETED:

2016, 2019

TEAM:

Daniel Tremper, PE

Project Manager

Josh Wright, PE

Project Engineer

Caleb Milligan, PE

Project Engineer

REFERENCE:

Brad Hearne

Program Director

of Community

Development

Tarrant County

BLHearne@

TarrantCounty.com

1509 B S. University

Drive, Suite 276, Fort

Worth, TX 76107

817.850.7942

Dunaway worked with Tarrant County and the City of North Richland Hills on various residential neighborhoods. Each project had to be designed with landscaping, lead walks, driveways and mailboxes in mind, minimizing disturbance for residents.

Schiller Drive, an existing residential street with degrading concrete curb and gutter and aging asphalt pavement, needed complete reconstruction. Dunaway quickly designed a proposed concrete pavement roadway including the addition of 4-foot wide concrete sidewalks.

Meadow Court featured designs proposing a reinforced concrete pavement section and 4-foot wide concrete sidewalk. The existing asphalt pavement was in need of replacement and the City selected to use concrete pavement for this project to obtain City minimum standards for pavement. Dunaway coordinated with City staff to replace the existing water and sanitary sewer lines on the project prior to the design and construction of the proposed concrete pavement, sidewalks and storm drain inlet modifications in our scope.

The reconstruction of Lynda Court included the construction of 205 linear feet of 6-inch PVC sanitary sewer line, 205 linear feet of 6-inch PVC water line, 126 linear feet of 6-inch reinforced concrete pavement with a 40-foot radius cul-de-sac, 4-foot wide sidewalk construction and reconstruction of all driveway approaches.

Knowing the County and City's expectations and criteria made these projects both efficient and successful.



AUSTIN CLEAN WATER PROGRAM (ACWP) WASTEWATER LINE IMPROVEMENTS WALLER/ PEDERNALES

Austin, Texas

YEAR COMPLETED:

2012

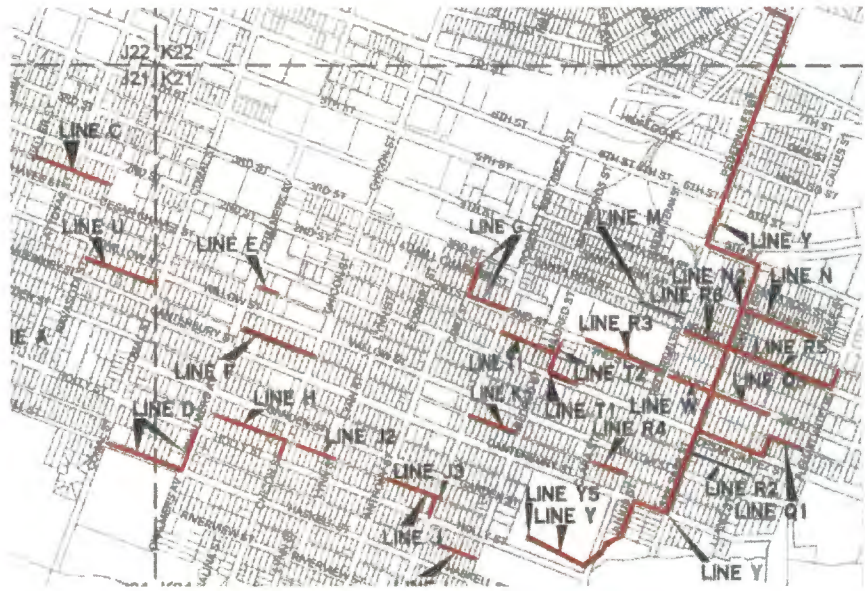
TEAM:

June Routh, PE
Project Manager

Brian Runyen, PE
Team Lead

REFERENCE:

Matt Gaughan, P.E.
Austin Water Utility
Project Manager (former)
matt.gaughan@
plussixengineering.com
625 E. 10th Street
Austin, Texas 78701
512.494.9400



The Waller/Pedernales wastewater improvements project is part of the ACWP. This project consists the construction of approximately 8,500 linear feet of 36-inch wastewater line, replacement of 16,225 linear feet of 6-inch to 15-inch wastewater lines, replacement of 440 services, 103 new private laterals, replacement/installation of 107 wastewater and manholes. The wastewater lines included construction by open cuts trenches within right-of-ways of major arterials and collector streets and easements in central east Austin. Construction also included boring under railroad tracks on East 5th Street. We provided project management including coordinating subconsultant work for geotech, SUE services, and traffic control plan design. We prepared construction documents, assisted the owner with bidding the project and provided construction phase services.



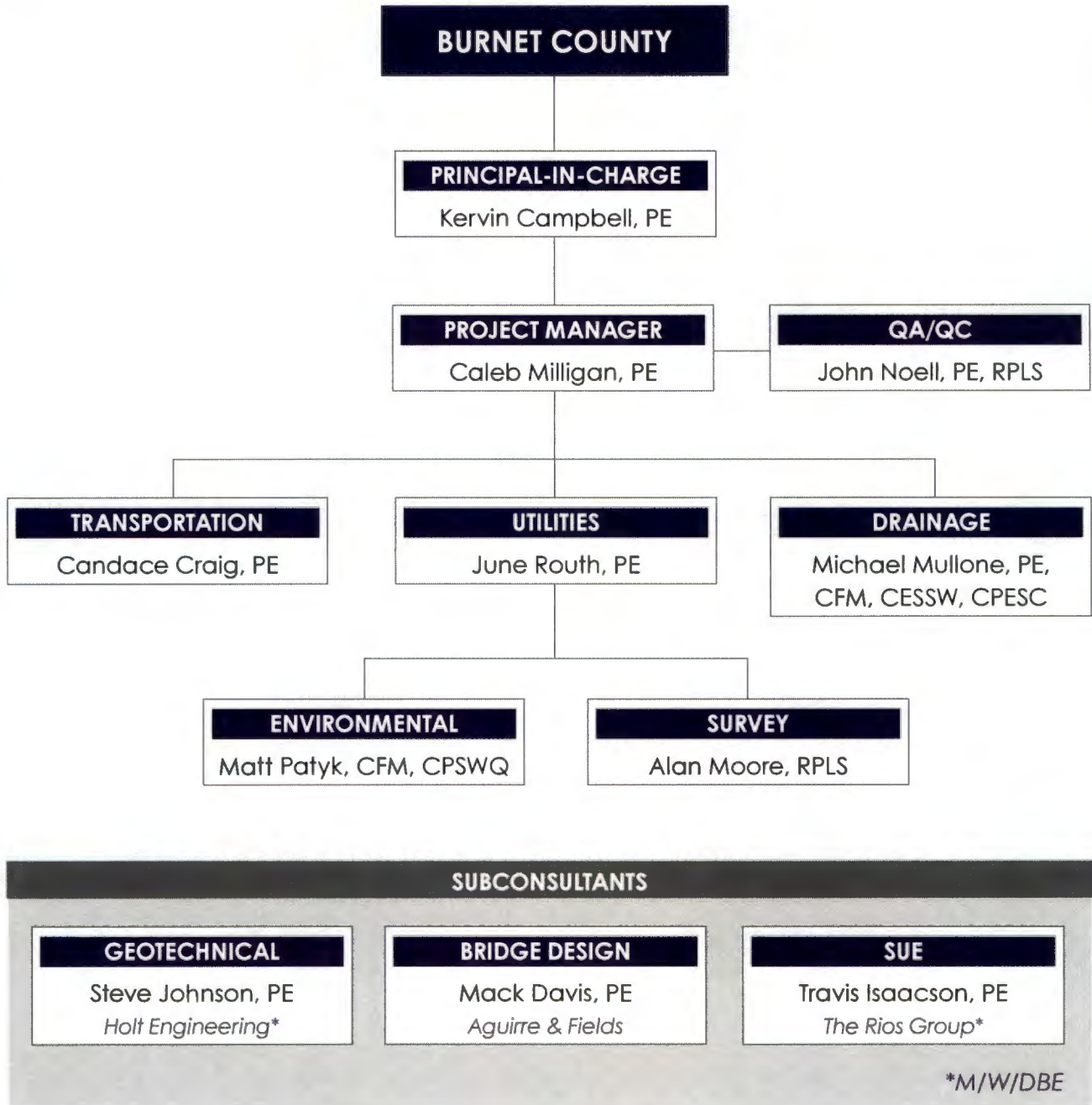
An aerial photograph of a road intersection and a building. The top portion shows a building with a dark roof and a paved area, surrounded by trees. Below it is a road intersection with a roundabout. The roundabout has a central landscaped area with a winding path. Several cars are visible on the roads. The bottom portion shows a closer view of the intersection, including crosswalks with white stripes and 'YIELD' markings, and a red-paved area. A black circle with white text is overlaid on the right side of the image.

PROJECT TEAM

SECTION 2

KEY PERSONNEL

ORGANIZATIONAL CHART





Kervin **CAMPBELL** PE

Principal-in-Charge

EXPERIENCE

16 years

EDUCATION

M.B.A. // University of
Texas at Arlington

M.S. Civil Engineering
// Lamar University

B.S. Civil Engineering //
Lamar University

REGISTRATIONS AND CERTIFICATIONS

Registered
Professional Engineer
// Texas #98431

KERVIN CAMPBELL is the Civil Engineering Executive and Principal at Dunaway. He is recognized in the industry for exhibiting outstanding contributions to public welfare and advancing the profession of engineering. His experience includes management and design of transportation and public works projects, including roads, water, sanitary sewer, and storm drain.

PROJECT EXPERIENCE

- **CDBG YEAR 38: DELMAR STREET WATER**
White Settlement, Texas
- **CDBG YEAR 32: ODIE STREET RECONSTRUCTION**
White Settlement, Texas
- **AVONDALE-HASLET ROADWAY IMPROVEMENTS**
Fort Worth, Texas
- **SUMMER CREEK DRIVE AND MCPHERSON BOULEVARD EXTENSION**
Fort Worth, Texas
- **CIP FOR COLLEGE, WAYSIDE, ORANGE, AND LIVINGSTON STREETS**
Fort Worth, Texas
- **SOUTH MAIN STREET, COMPLETE STREETS**
Fort Worth, Texas
- **STATE HIGHWAY 114 UTILITY RELOCATIONS**
Fort Worth, Texas
- **CONTRACT 71 SEWER REPLACEMENT**
Fort Worth, Texas
- **WESTSIDE 3 AND 4 TRANSMISSION MAIN**
Fort Worth, Texas
- **WESLEYAN HILLS STORM DRAIN IMPROVEMENTS**
Fort Worth, Texas
- **PARK VISTA BOULEVARD IMPROVEMENTS**
Fort Worth, Texas



John **NOELL** PE, RPLS

QA/QC

EXPERIENCE

44 years

EDUCATION

M.S. Engineering
with emphasis on
Environmental Health
Engineering //
University of Texas at
Austin

B.S. Civil Engineering
with Honors // University
of Texas at Austin

REGISTRATIONS AND CERTIFICATIONS

Registered
Professional Engineer //
Texas #42657

Registered
Professional Land
Surveyor // Texas #2433

JOHN NOELL has over four decades of experience in the preparation of site plans and construction documents for residential subdivisions, office parks, retail centers and apartment projects. Institutional projects have included large mixed-use developments, government facilities, and multi-million dollar capital improvements. In addition, John's experience includes the planning and design of municipal water and wastewater systems, the planning and design of urban developments, and an extensive background in surveying. John also has considerable experience in the design and construction of water quality treatment system and storm water modeling, and storage facility design.

PROJECT EXPERIENCE

- **LAKELINE LIFT STATION AND FORCE MAIN**
Austin, Texas
- **AUSTIN BERGSTROM INTERNATIONAL AIRPORT**
Austin, Texas
- **REUNION RANCH**
Austin, Texas
- **ONION CREEK 36-INCH WATER LINE**
Austin, Texas
- **RIVERBEND WEST**
Austin, Texas
- **PALMER EVENTS CENTER WASTEWATER RELOCATION**
Austin, Texas
- **BEE CREEK SEWER REPLACEMENT**
Austin, Texas
- **ROCK STREET PEDESTRIAN CROSSING**
Georgetown, Texas
- **RIVERY UTILITIES**
Georgetown, Texas
- **183/620 GROUP IMPROVEMENTS**
Austin, Texas



Caleb **MILLIGAN** PE

Project Manager

EXPERIENCE

12 years

EDUCATION

B.S. Civil Engineering
// University of Texas at
Arlington

REGISTRATIONS AND CERTIFICATIONS

Registered
Professional Engineer
// Texas #113119

PROFESSIONAL AFFILIATIONS

Texas Society of
Professional Engineers

CALEB MILLIGAN serves as an Associate Principal and Senior Project Manager at Dunaway. His experience includes management and design of water utilities, sanitary sewer, roadway, roundabout, storm drain, traffic signal, street lighting, and pedestrian/bike facilities. Caleb is adept at developing project alternatives and construction cost estimates during multiple design phases, and values a collaborative approach on each project. He works with numerous public agencies including: several municipalities and counties, Texas Department of Transportation, North Texas Tollway Authority, North Central Texas Council of Governments, and the U.S. Army Corp of Engineers.

PROJECT EXPERIENCE

- **SOUTH MAIN STREET COMPLETE STREETS**
Fort Worth, Texas
- **I-30/WALSH RANCH PARKWAY INTERCHANGE**
Tarrant County, Texas
- **ARLINGTON RESIDENTIAL REBUILD PHASE III**
Arlington, Texas
- **CALENDER ROAD**
Arlington, Texas
- **PARK VISTA BOULEVARD**
Fort Worth, Texas
- **NORTH FAIRGROUNDS ROADWAY AND DRAINAGE DESIGN**
Midland, Texas
- **AVONDALE-HASLET ROADWAY IMPROVEMENTS**
Fort Worth, Texas
- **EAST 1ST STREET ROADWAY DESIGN**
Fort Worth, Texas
- **CHARLES STREET AT MOCKINGBIRD LANE ROUNDABOUT**
Weatherford, Texas



Candace **CRAIG** PE Transportation

EXPERIENCE

20 years

EDUCATION

B.S. Architectural
Engineering //
University of Texas

REGISTRATIONS AND CERTIFICATIONS

Registered
Professional Engineer
// Texas #115587

PROFESSIONAL AFFILIATIONS

Austin Contractors
and Engineers
Association

Congress for New
Urbanism

CANDACE CRAIG has over 20 years experience in the design and review of site plans and construction documents for a variety of projects in the Austin area. She is very knowledgeable in transportation design and planning issues including multi-modal design, accessibility and traffic planning. Her work on large public sector projects has required complex coordination with multiple consultants, contractors and phases. She is familiar with the City of Austin's GIS database and its use in project analysis. She has used the City of Austin GIS system and ArcGIS for numerous project studies.

PROJECT EXPERIENCE

- **LITTLE CREEK COURT TOPOGRAPHIC SURVEY**
Arlington, Texas
- **SURVEY SERVICES FOR WILL ROGERS MEMORIAL CENTER**
Fort Worth, Texas
- **ANDREW BROWN COMMUNITY PARKS REDEVELOPMENT**
Coppell, Texas
- **WATTERS BRANCH COMMUNITY PARK PHASE I (SPIRIT PARK)**
Allen, Texas
- **GAS WELL SERVICES, CHESAPEAKE ENERGY CORP.**
Tarrant County, Texas
- **SURVEYING SERVICES FOR XTO ENERGY**
Parker and Tarrant County, Texas
- **AT&T UTILITY SERVICES FOR INFRASTRUCTURE IMPROVEMENTS**
Multiple Counties, Texas
- **BOUNDARY SURVEY OF 3.25-MILE SECTION OF BNSF RAILROAD FOR
GENERAL ELECTRIC ENGINE FACILITY**
Fort Worth, Texas
- **ADVENTURE WORLD PARK TOPOGRAPHIC/TREE SURVEY**
North Richland Hills, Texas



June ROUTH PE

Utilities

EXPERIENCE

35 years

EDUCATION

B.S. Civil Engineering //
Ohio State University

REGISTRATIONS AND CERTIFICATIONS

Registered
Professional Engineer
// Texas #64918

JUNE ROUTH has over 35 years experience in the design and construction of water and wastewater projects in the Austin area. June has worked on the design of municipal infrastructure, new residential, commercial and institutional projects as well as rehabilitation of existing projects. She has served as project manager and engineer for over 120 water and wastewater utility projects in her career. The majority of her work throughout her career has required coordination with numerous consultants to meet the multilevel requirements of public sector projects such as the design of new City of Austin facilities and ACWP projects. She was the project manager of an extensive water and wastewater rehabilitation project in an older neighborhood and has design experience on water and wastewater systems ranging from site plans, replacement, Education: rehabilitation and new design.

PROJECT EXPERIENCE

- **EAST 7TH STREET CORRIDOR UTILITY IMPROVEMENTS**
Austin, Texas
- **WEST CAMPUS WATER AND WASTEWATER PIPELINE PROJECTS**
Austin, Texas
- **ACWP WALLER PEDERNALES 6-INCH TO 36-INCH WASTEWATER LINE**
Austin, Texas
- **ACWP - EAST 7TH AND 8TH STREETS**
Austin, Texas
- **SHAW LANE FIELD AND TOWER REPAIR**
Austin, Texas
- **TARRYTOWN WATER AND WASTEWATER REHABILITATION**
Austin, Texas
- **EAST AUSTIN WATER IMPROVEMENTS**
Austin, Texas
- **INTERSTATE 10, 24-INCH WATER LINE**
Austin, Texas
- **BULL BRANCH WASTEWATER LINE**
Austin, Texas



Michael **MULLONE** PE, CFM, CESSWI, CPESC Drainage

EXPERIENCE

14 years

EDUCATION

B.S. Civil Engineering //
University of Texas at
Austin

REGISTRATIONS AND CERTIFICATIONS

Registered
Professional
Engineer //Texas
#127850

PROFESSIONAL AFFILIATIONS

Capital Area Erosion
Control Network

Texas Floodplain
Management
Association

MICHAEL MULLONE has 14 years of experience in the analysis, design and construction of Civil Engineering projects. This experience includes hydrologic and hydraulic analysis of floodplains and design of site drainage, and permitting. Michael has experience in designing projects within challenging urban environments and is adept at processing projects through City and State regulatory review. Michael prepared CLOMRs and LOMRS, and conducted flood analysis along various creeks, streams, tributaries, rivers, and lakes for over 100 projects throughout Texas, including a 120 mile reconstruction of US Highway 77 and the City of Killeen's Master Drainage Plan.

PROJECT EXPERIENCE

- **THE RIVERBEND WEST 1**
Austin, Texas
- **NORTHGATE CENTER**
San Marcos, Texas
- **CITY OF KILLEEN MASTER DRAINAGE PLAN**
Austin, Texas
- **US HIGHWAY 77**
Austin, Texas
- **COLONY PARK**
Austin, Texas
- **WALNUT CREEK WASTEWATER TREATMENT PLANT**
Austin, Texas
- **WILBARGER CREEK DRAINAGE AND FLOODPLAIN ANALYSIS**
Manor, Texas
- **ONION CREEK GREENWAY FLOODPLAIN ANALYSIS AND LOMR**
Austin, Texas
- **JESSE BOHLS DRIVE DRAINAGE ANALYSIS**
Austin, Texas



Matt **PATYK** CFM, CPSWQ Environmental

EXPERIENCE

13 years

EDUCATION

M. Environmental
Management // Texas
Christian University

B.S. Environmental
Science // Texas
Christian University

REGISTRATIONS AND CERTIFICATIONS

Certified Floodplain
Manager, 2098-11N

Certified Professional
in Stormwater Quality
#993

MATT PATYK is an experienced Environmental Scientist with twelve years of experience. He has carried out a wide variety of environmental projects including environmental site assessments, wetland delineations, waters of the United States determinations, permitting processes and compliance issues. He is a Certified Floodplain Manager (CFM) and a Certified Professional in Stormwater Quality.

PROJECT EXPERIENCE

- **VISTA WAY ROADWAY PAVING AND DRAINAGE IMPROVEMENTS**
Benbrook, Texas
- **RIC WILLIAMSON MEMORIAL HIGHWAY WATERLINE**
Weatherford, Texas
- **CALENDER ROAD**
Arlington, Texas
- **RED OAK 7 SANITARY SEWER**
Cedar Hill, Texas
- **FERGUSON ROAD IMPROVEMENTS**
Duncanville, Texas
- **PARK VISTA BOULEVARD**
Fort Worth, Texas
- **THOMPSON ROAD MIDDLE SCHOOL**
Keller, Texas
- **EAST 1ST STREET**
Fort Worth, Texas
- **HARDY STREET DRAINAGE IMPROVEMENTS**
Cedar Hills, Texas
- **MIDLAND COUNTY ROADWAYS**
Midland, Texas



Alan **MOORE** RPLS

Survey

EXPERIENCE

25 years

EDUCATION

B.S. Geology and
Geography //
Stephen F. Austin State
University

REGISTRATIONS AND CERTIFICATIONS

Registered
Professional Land
Surveyor // Texas #5537

ALAN MOORE is a firm Principal and Survey Line of Business Executive. He has 25 years of experience in right-of-way and boundary surveying, horizontal and vertical control surveying, and topographical surveying. Many of the tracts of land surveyed involved complex boundary issues in high-valued urban areas of North Texas. He has also prepared more than 500 right-of-way parcel acquisition surveys on numerous rights-of-way in the state of Texas since becoming registered in 2002.

PROJECT EXPERIENCE

- **LITTLE CREEK COURT TOPOGRAPHIC SURVEY**
Arlington, Texas
- **IDIQ SURVEY SERVICES FOR CITY OF FORT WORTH**
Fort Worth, Texas
- **SURVEY SERVICES FOR WILL ROGERS MEMORIAL CENTER**
Fort Worth, Texas
- **ANDREW BROWN COMMUNITY PARKS REDEVELOPMENT**
Coppell, Texas
- **WATERS BRANCH COMMUNITY PARK PHASE I (SPIRIT PARK)**
Allen, Texas
- **GAS WELL SERVICES, CHESAPEAKE ENERGY CORP.**
Tarrant County, Texas
- **SURVEYING SERVICES FOR XTO ENERGY**
Parker and Tarrant County, Texas
- **AT&T UTILITY SERVICES FOR INFRASTRUCTURE IMPROVEMENTS**
Multiple Counties, Texas
- **BOUNDARY SURVEY OF 3.25-MILE SECTION OF BNSF RAILROAD FOR GENERAL ELECTRIC ENGINE FACILITY**
Fort Worth, Texas
- **ADVENTURE WORLD PARK TOPOGRAPHIC/TREE SURVEY**
North Richland Hills, Texas



Travis ISAACSON PE SUE

EXPERIENCE

17 years

EDUCATION

B.S. Civil Engineering //
Texas A&M University

REGISTRATIONS AND CERTIFICATIONS

Registered
Professional Engineer
// Texas #100094

TRAVIS ISAACSON is responsible for managing The Rios Group's professional services throughout Central Texas. He has over 17 years experience in the civil engineering and construction fields working as a utility coordinator, utility engineer and project manager. Travis is committed to a high level of integrity and excellence on every project, resulting in delivery of a quality product and overall client satisfaction. Travis serves as President of the ASCE Austin Branch Board and is an active participant and member of ACEC and ACEA.

PROJECT EXPERIENCE

- **WEISS LANE, CITY OF PFLUGERVILLE // PFLUGERVILLE, TEXAS**

The Rios Group, Inc. (TRG) worked under prime roadway design consultant, LJA Engineering, and provided subsurface utility engineering services on this 3-mile long roadway widening project for the City of Pflugerville. This \$19.4 million construction project by the City of Pflugerville will rebuild all bridges from East Pecan Street to Kelly Lane and expanded the road from two to four lanes. TRG completed five (5) Quality Level A test holes on a 24" sanitary force main near Wilbarger Creek to support utility conflict analysis on the project.

- **ELROY ROAD, TRAVIS COUNTY // AUSTIN, TEXAS**

The Rios Group, Inc. (TRG) performed Quality Level A (QLA) and Quality Level B (QLB) Subsurface Utility Engineering (SUE) services on the behalf of the Central Texas Regional Mobility Authority (CTRMA) who was performing work for Travis County under the Travis County Bond Program TRG performed QLB SUE designating along approximately 5,900 LF of Elroy Road from McAngus Road to Kellam Road. Additionally, TRG excavated 16 test holes to assist in the utility coordination efforts on the project.

- **DACY LANE, HAYS COUNTY // AUSTIN, TEXAS**

TRG provided QLC/D, QLB, and QLA SUE services along Dacy Lane in Hays County, Texas from FM 122 to FM 133 (approximately 3.195) to support the widening and realignment of Dacy Lane. TRG provided a QLC/D SUE file along the proposed alignment of Dacy Lane that was supplemented with limited QLB SUE data. TRG also provided 17 QLA test holes at conflict locations.



Mack DAVIS PE

Bridge Design

EXPERIENCE

11 years

EDUCATION

B.S. Civil Engineering
// University of Texas at
Austin

REGISTRATIONS AND CERTIFICATIONS

Registered
Professional Engineer
// Texas #119955

MACK DAVIS has been providing civil and structural engineering in the transportation field throughout Texas since 2009. He has produced transportation engineering designs for major interchange projects, direct connectors, urban and rural bridges, pedestrian bridges, and highway retaining walls. He has a wide-ranging background in producing plans, specifications, and estimate packages (PSandE) and design-build plans that include new construction, widenings, phased replacements and rehabilitations. His bridge experience includes design of rail retrofits, prestressed concrete girders, U-beams, and slab beams, single and multi-column bents, inverted-T caps, deck slabs, drilled shaft foundations, and condition assessments for bridge inspections.

PROJECT EXPERIENCE

- **WOLF RANCH SECTION 3 BRIDGE REVIEW // GEORGETOWN, TEXAS**

Mack served as PM for the Wolf Ranch Section 3 Bridge Review project for the City of Georgetown. The Wolf Ranch Section 3 Bridge consisted of a 225 foot, three-span (70.00 feet-120.00 feet-35.00 feet), 40-foot-wide skewed Tx54 girder bridge carrying two lanes of traffic in and a 6.5 foot raised sidewalk in each direction. Mack provided quality oversight for the City of Georgetown by reviewing the detail design drawings performed by others and independently verifying the design for the supporting structures. The level of detail in his review had ramifications for the project that had to account for the > 5% longitudinal grade of the bridge, including either lengthening the exterior spans or adding an additional sealed armor joint with thickened slab ends.

- **OAK BLUFF-GREENFIELD DRAINAGE STRUCTURES // ROUND ROCK, TEXAS**

Mack served as the engineer of record for this project that consists of a proposed 10 foot x 10 foot x 20 foot junction box that replaces an existing junction box, a 10 foot x 10 foot x 20 foot junction box that connects an existing 72 inch RCP to an additional 72 inch RCP, and a (2) 6 foot x 6 foot multiple box culvert that replaces an existing three 48 inch CMP system over a remaining in place 72 inch RCP (all of which was under an existing roadway). One challenge on the project was tying in the multiple box culvert while not conflicting with the existing 72-inch RCP that outfalls to an existing riprap channel. To account for this, the multiple box culvert sat on an arch block shaped bed of flowable fill above the existing 72-inch RCP that terminates at the toe of the PW-1 headwall at the end of the culvert.



Steve JOHNSON PE

Geotechnical Engineer

EXPERIENCE

43 years

EDUCATION

B.S. Agricultural
Engineering // Texas
A&M University

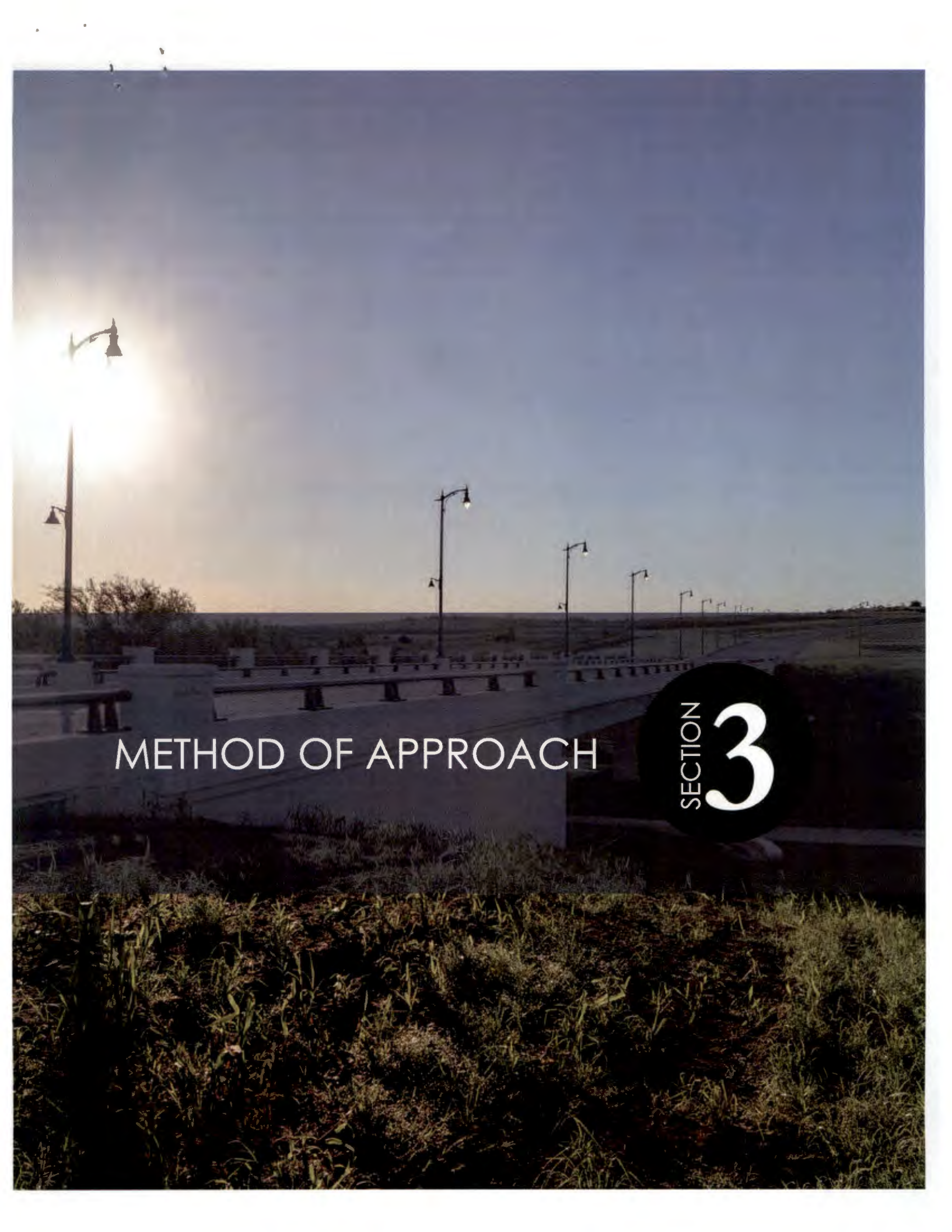
REGISTRATIONS AND CERTIFICATIONS

Registered
Professional Engineer
// Texas #94472

STEVE JOHNSON is the Director of the Geotechnical Division for Holt Engineering. Steve is the Senior Project Engineer directing engineering staff that performs geotechnical investigations for all types of building foundations, residential, commercial, industrial complexes, streets, utility construction, wastewater treatment plants, hospitals, schools, drainage projects, parking lots, roadways, bridges, radio towers, landfills and many other projects. Steve is responsible for supervising drilling crews and equipment for soil investigations. Directs sampling procedures and laboratory testing. Prepares engineering reports with foundation recommendations, allowable bearing capacities, footing design parameters, retaining wall design criteria, pavement design thickness and construction recommendations. Responsible for preparing cost proposals for geotechnical investigations and construction materials testing. Technically proficient in performing slope stability analysis, computerized pavement design, structural analysis, packer testing, permeability and infiltration tests, rock analysis, and PVR calculations. As Project Manager, he is experienced with managing geotechnical engineering including CMT services for projects for commercial, institutional and municipal clients.

PROJECT EXPERIENCE

- **BURNET COUNTY ROADWAY (CR 120 & CR 403) IMPROVEMENTS**
Burnet County, Texas
- **GREGG RANCH SUBDIVISION**
Burnet County, Texas
- **CITY OF BURNET STREET REHABILITATION**
Burnet, Texas
- **BURNET COUNTY CHAMBER OF COMMERCE BUILDING**
Burnet, Texas
- **SPICEWOOD AIRPORT PAVEMENT EVALUATION, CR 414 BURNET COUNTY**
Spicewood, Texas
- **MARBLE FALLS ISD – VARIOUS PROJECTS**
Marble Falls, Texas



METHOD OF APPROACH

SECTION 3



PROJECT MANAGEMENT

Experience has shown us that through the direction of an experienced and organized project manager that projects meet success. We have learned it is important for Burnet County's project manager and Dunaway's project manager, Caleb Milligan, to coordinate and communicate frequently. Once Caleb has received instruction, he will utilize and direct the resources on the project team to deliver the project to completion. Dunaway, as prime, will direct all subconsultant team members and provide oversight of all subconsultants working in close cooperation with the project manager and ensuring each team component is meeting project expectations and deadlines.

PRELIMINARY DESIGN

With our roadway and utility projects, the Preliminary Design Phase is performed to determine the alignment of the proposed facility. The best alignment can be selected after we determine the location of the existing right of way and identify any concerns that could delay the project schedule or cause unnecessary cost increases. A detailed right of way and topographic survey, as well as property records and plans of existing and proposed improvements will be used to show the project site accurately. Designers will visit the site to verify the survey and see the context of the site. Dunaway will investigate possible alignments based on the project goals and the project site. The design findings and recommendations will be documented in the Preliminary Design Report to assist the Burnet County in selecting the preferred alignment. Dunaway will also assist the County with the Preliminary Design public meeting to obtain consensus and support for the project and the selected alignment.

PRIMARY DESIGN

With the approval of the preliminary design, the project scope will be further defined to provide the specific services that are needed to meet the County goals. This is where the remaining subconsultants will be assigned specific tasks as needed according to the project scope. In this phase, the team will continue detailed franchise utility coordination and reach out to all affected stakeholders. In cases where utilities may need to be relocated, the team will work closely with each company to facilitate a timely and mutually beneficial solution. We coordinate with utilities early and often to make sensible, cost-effective solutions. Right of Way

documents (if needed) will be prepared and finalized. We know ROW acquisition is often the critical path on public projects, so we put a priority on preparing finalizing documents and we are available to assist the County as needed, including hearings.

QUALITY CONTROL

Dunaway's QA/QC procedures are an integral part of the project delivery process, beginning with the kickoff meeting and continuing through final submittal. The quality control function is a detailed review performed by assigned technical peers from Dunaway to check the accuracy of the work product. The quality assurance function is performed by a senior-level staff member with special expertise on this type of assignment. As the prime consultant, Dunaway will require its team members to perform QC reviews prior to every submittal. Dunaway will provide the QA function for its subconsultant team members. In-house documentation of the QA/QC activity must be completed before client submittals are allowed. We do not intend for your staff to perform the QA/QC function for us.

BIDDING AND CONSTRUCTION

The Dunaway Team will assist the County during the bid phase by attending a pre-bid conference and providing technical support. During construction, we will assist the County by attending regularly scheduled construction meetings to evaluate completion of work, prepare written field reports for each meeting attended, and process submittals and shop drawings, if desired. We will also remain available to County staff to address any unforeseen issues that may arise during construction. Dunaway is committed to the project from initial scoping to close-out.

UNDERSTANDING OF
REQUESTED SERVICES
AND LOCAL AREA

SECTION **4**

UNDERSTANDING OF REQUESTED SERVICES AND LOCAL AREA

Dunaway is familiar with the requested services in Burnet County's RFP and have worked extensively in the Central Texas area as well as in other parts of the state. As part of the Scenic Texas Hill Country, Burnet County is located primarily in limestone geologic formations which historically have been suitable for ranching and related agricultural uses. Weather can be hot and dry in the summer months, but very intense rainfall can occur especially when warm moist air from the Gulf meets frontal systems with much cooler air as the seasons change.

Contracting for projects in the Texas Hill Country will depend on the bidding climate of the local region. Simply put, when contractors are busy, costs are higher. During such times, a clear, concise presentation of the work depicted in the plans and specifications is critical for success. Dunaway takes pride in developing plans and specifications which are clear, definitive and constructible to result in the best reception from the contracting community. Our approach to preparing plans that area constructible include incorporating locally sourced materials where possible and keeping projects as simple as conditions allow.

Dunaway has extensive Texas and local experience in the services requested in this RFP. They include:

- **Planning and Project Development**
- **Environmental Studies**
- **Schematic Design**
- **Final Design and detailed drawings**
- **Specifications**
- **Contract Documents**
- **Cost Estimating**
- **Bidding Phase Services**
- **Compliance with local, state and federal agency requirements**
- **Securing required permits**
- **Presentations at Public meetings**
- **Client advocacy before agencies, boards and in court**
- **Right of Way acquisition**
- **Pre-Construction meetings**
- **Construction monitoring and progress meetings**
- **Review of pay estimates**
- **Shop Drawings and submittals**
- **Record Drawing preparation**
- **Warranty period consultation and trouble shooting**



 **DUNAWAY**

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