



Statement of Interest

Jefferson Parish State of Louisiana

Routine Engineering Services for Street Projects

SOQ# 24-021

July 2024





Mark Buttery
Purchasing Specialist II
Jefferson Parish Purchasing Department
General Government Building
200 Derbigny Street
Suite 4400
Gretna, LA 70053

Arcadis U.S., Inc.
3850 N Causeway Blvd.
Suite 990
Metairie, LA 70002

www.arcadis.com

July 16, 2024

Subject: Qualifications for Routine Engineering Services for Streets Projects (SOQ 24-021)

Dear Mr. Buttery,

The Arcadis team is pleased to submit to Jefferson Parish our qualifications to support the Parish with engineering, design and needed services with their streets mission. Arcadis and its Water Division are one of the oldest and most respected engineering firms in the country focusing primarily on drainage, water and wastewater infrastructure projects. The Team will perform this work out of our regional office in Metairie and if required will tap our national organization provide the Parish any additional specialization. With a strong local and U.S. resume and superior international capabilities, we will have the expert technical resources and project delivery tools that will provide quality products to the Parish. As shown in our SOQ, we have a wide range of skills and projects including streets design and street replacements, including utilities design and relocation, drainage design, intersections design, sidewalks, and handicap ramps and street greenspaces.

The Arcadis Metairie location is a full-service engineering, design and management center that has provided streets related engineering services for over 20 years to the metro area as well as the primary office that supported \$2B in design and construction support to the USACE for Hurricane Protection Projects in the area including the West Closure Complex on the West Bank. This office has a wide range of local expertise in executing infrastructure projects in the metro area as well as Baton Rouge. We have the ability to respond quickly, after hours, or in any way required by the Parish to support the Streets Departments needs to maintain services to the residents of Jefferson Parish.

Thank you for your consideration. We look forward to teaming with Jefferson Parish to support the delivery of projects to the Parish

Sincerely,

Arcadis U.S., Inc.

A handwritten signature in black ink that reads 'Dana A. Lawton'.

Dana Lawton, PE
Senior Vice President/Principal Engineer
Email: Dana.Lawton@arcadis.com
Direct Line: 225 218 9671

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Routine Engineering Services for Streets Projects SOQ 24-021

B. Firm Name and Address:

Arcadis U.S., Inc.
3850 N Causeway Blvd.
Suite 990
Metairie, LA 70002

C. Name, title, and contact information of Principal, as defined in Section 2-926 of the Jefferson Parish Code of Ordinances, who is a registered, licensed architect, professional engineer, or surveyor in the State of Louisiana:

Ayan Mehrotra, PE
Arcadis U.S., Inc.
Metairie, LA 70002
Tel no. 225 571 6798
Email: ayan.mehrotra@arcadis.com
Professional Engineer: #0040973 Exp. 03/21/2025

D. Name and contact information of employee who is a registered and licensed architect, professional engineer, or surveyor in the State of Louisiana in the applicable discipline. A subcontractor may be substituted here only if the advertised Project requires more than one discipline.

Ayan Mehrotra, PE
Arcadis U.S., Inc.
Metairie, LA 70002
Tel no. 225 571 6798
Email: ayan.mehrotra@arcadis.com
Professional Engineer: #0040973 Exp. 03/21/2025

E. Please provide the number of employees whose primary function corresponds with each category:

647	Administrative	54	Estimators	2	Specifications Writers
38	Architects (Licensed)	560	Geologists	73	Structural Engineers
67	Chemical Engineers	14	Geotechnical Engineers	0	Graduate Engineers
502	Civil Engineers	2	Interior Designers	563	Project Managers
103	Construction Inspectors	1	Landscape Architects	0	Clerical
66	Ecologists	0	Land Surveyor	0	Grant/Funding Specialist
127	Electrical Engineers	88	Mechanical Engineers	5	Sanitary Engineers
0	Engineer Intern	647	Environmental Engineers	2163	Others
24	Professional Land Surveyors			5746	TOTAL

F. Is this submittal by a JOINT-VENTURE? Please check: YES _____ NO ☒
If marked "No" skip to Section I. If marked "yes" complete Sections G-H.

TEC Professional Services Questionnaire

G. If submittal is by JOINT-VENTURE, list the firms participating and outline specific areas of responsibility (including administrative, technical, and financial) for each firm. Please attach additional pages if necessary.

1. Not Applicable

1. Not Applicable

H. Has this JOINT-VENTURE previously worked together? Please check:
YES _____ **NO** _____ *This not a joint venture. Therefore, it is Not Applicable.*

I. List all subcontractors anticipated for this Project. Please note that all subcontractors must submit a fully completed copy of this questionnaire, applicable licenses, and any other information required by the advertisement. See Jefferson Parish Code of Ordinances, Sec. 2-928(a)(3). Please attach additional pages if necessary.

Name & Address	Specialty	Worked with firm Before (Yes or No)
1. None		
2. None		
3. None		

J. Please specify the total number of support personnel that may assist in the completion of this Project:

125

TEC Professional Services Questionnaire

K. List the professional in charge, key persons, specialists, and individual consultants anticipated for this Project and provide their relevant information below. If necessary, please attach additional documentation (i.e. resume) that demonstrates the employment history and experience of the Firm's key persons that may assist in the completion of this Project. Please attach additional pages if necessary.

PROFESSIONAL IN CHARGE OF PROJECT

Name & Title:

Ayan Mehrotra, PE

Project Assignment:

Project Manager

Name of Firm with which associated:

Arcadis U.S., Inc.

Years' experience with this Firm:

3

Education: Degree(s) / Year/Specialization:

- MS / 2014 / Civil Engineering
- BS / 2011 / Civil Engineering

Active Registration: Year First registered/discipline:

- 2016 / Professional Engineer - LA
- Project Management Professional (PMP)

Other experience and qualifications relevant to the proposed project:

Mr. Mehrotra is a Project Manager and Geotechnical Engineer with more than 13 years of experience working on a wide range of geotechnical projects as well as materials testing projects. He has worked extensively with soft soils and coastal areas. He has performed geotechnical engineering on a wide range of projects including flood protection, industrial development, transportation, power generation and transmission, marsh creation, drainage improvements, port development, and hospitals. Ayan also has a vast array of field experience in overseeing geotechnical field explorations and materials testing such as monitoring deep foundation installation, pile integrity testing (PIT), static axial compressive load tests on deep foundations, and post tension (PT) observation and inspection.

- **W. Metairie Canal – Slope Stability Evaluation | Jefferson Parish, LA.** The project consisted of the evaluation of the stability of the side-slopes of an alignment of W. Metairie Canal extending between N. Lester Avenue and Roosevelt Blvd. Mr. Mehrotra served as the project manager, Engineer on Record, for the geotechnical services for this project. The W. Metairie canal had experienced multiple slope failure along this alignment due to the steepness of the slopes and rapid drawdown events. The stability of the existing side slopes was evaluated, and multiple options were considered/analyzed for improving the stability of the side-slopes. The options analyzed to improve the stability of the side-slopes consisted of re-shaping the canal side slopes, installation of sheet pile wall, placement of rip-rap material near toe, and utilizing of geosynthetic products.
- **Bucktown Harbor Boardwalk | Jefferson Parish, LA.** The project consists of reimagining the Lake Pontchartrain shoreline along the Bucktown Harbor. The Harbor will be transformed to include a living shoreline, restored marshland, a nature trail and 950 foot long educational boardwalk. Mr. Mehrotra served as Geotechnical Engineer of Record for this project. The project consists of a 950 foot long




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planned boardwalk that will traverse over Lake Pontchartrain near the edge of the Harbor. Mr. Mehrotra provided geotechnical engineering recommendations for driven piles installed in the water to support the boardwalk.

- **W. Esplanade Turnaround along Canal No. 2– Jefferson Parish, LA.** The project consisted of converting an existing open channel section of the Canal No. 2 (along W. Esplanade Drive, near its intersection with Bahama Drive) to a culvert utilizing two 96-inch diameter RCPA pipe. The culvert would be subsequently paved to provide additional turn lanes along W. Esplanade Blvd. Mr. Mehrotra served as the project manager for the geotechnical services for this project. Mr. Mehrotra analyzed the stability of the existing open channel section of the canal and provided recommendations (including settlement, bearing capacity, and bedding) for placement of the new RCPA pipes.
- **WBV 16.2b and WBV 72/17.2b Levee Raise | Project Manager, Jefferson Parish, LA.** Mr. Mehrotra served as the Project Manager and lead Geotechnical Engineer to provide for the investigations, analysis, engineering, and design associated with the development of construction documents (plans and specification) suitable for use by SLFPA-W to procure the construction of the levee lifts at each of the project sites. These projects consist of approximately 900 linear feet and 6,100 linear feet of levee lift for WBV16.2b and WBV 72/17.2b, respectively. Geotechnical investigation at each site have been completed with preliminary results provided to the United States Corps of Engineers (USACE) and the comparison of the current data with previous data to understand the soil improvement caused by the settling of the existing levees is being evaluated. Once the shear strength increase is completed, the comparison will be reviewed/approved by the USACE and the existing levees will be analyzed for slope stability to ascertain whether stability berms will need to be added to maintain the design
- **CPRA Mid Breton Landbridge | Project Manager, St. Bernard Parish, LA.** The projects of providing construction administration services during construction of a Marsh Creation project. The projects consists of the construction of approximately 500 acres of new marsh within the Barataria Basin. Mr. Mehrotra was the project manager for the construction administration services provided for the project and he was responsible for reviewing daily reports, coordinating submittals, facilitating meetings between the Owner and Contractor, and overseeing Contractor invoice submittals.
- **Covestro Baytown Roadway Rehabilitation | Covestro, Baytown, TX.** The project consisted of rehabilitation of existing roadway within the interior of the Covestro Petrochem facility. The existing roadways were severely deteriorated asphalt roads, and the Client wanted to evaluation option for either full depth reconstruction or mill and overlay. Mr. Mehrotra oversaw the field investigation and developed recommendation for pavement thickness, base thickness, and subgrade preparation. Mr. Mehrotra created multiple design options for the rehabilitation including performing a mill and overlay or a full depth reconstruction with subgrade modifcaiton.
- **Maxent Levee Rehabilitation | Pond & Company, Bayou Sauvage National Wildlife Refuge, New Orleans, LA.** Mr. Mehrotra served as the Geotechnical Engineer of Record for the design phase of this project. The project consisted of the rehabilitation of an existing approximately 3,200 linear foot earthen levee section. The existing levee was prone to seepage through the existing earthen section and the rehabilitation was designed to reduce the potential for seepage. Several options were considered for improvement of the existing levee section (e.g., using of a slurry cut-off wall, sheet pile seepage cutoff) as well complete reconstruction of the existing levee. Mr. Mehrotra evaluated the stability of the existing levee section and proposed geotechnical recommendation for use of either a sheet pile or slurry cut off wall to reduce the seepage through the levee core.

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title: Jonathan Reid, PE, PTOE, RSP	
Project Assignment: Technical Advisor QA/QC	
Name of Firm with which associated: Arcadis U.S., Inc.	
Years' experience with this Firm: 10	
Education: Degree(s) / Year/Specialization: <ul style="list-style-type: none"> MS / 1999 / Civil Engineering BS / 1994 / Civil Engineering 	
Active Registration: Year First registered/discipline: <ul style="list-style-type: none"> 2019 / Professional Engineer - SC 2016 / Professional Engineer - TX Professional Traffic Operations Engineer (PTOE) 	
Other experience and qualifications relevant to the proposed project:	
<p>Mr. Reid is a professional engineer and a professional traffic operation engineer with more than 27 years of experience. His background includes traffic modeling, intersection design, managed-lane facilities investment, corridor studies, roundabout design, toll roads, transit projects, sports/entertainment facility investment, highway signing/marketing, traffic impact analysis, signal warrants and design, and traffic calming studies. He has managed traffic operations and investment projects for state, federal and municipal clients, and developers both in the United States and abroad. His core skills include roadway, intersection and interchange design, traffic modeling, transportation investment, and traffic studies and analyses.</p> <ul style="list-style-type: none"> I-26 Widening Project Infrastructure Consulting Engineers/Archer Western, SC. Project Manager and Engineer-of-Record for traffic engineering design services for a 10-mile widening of I-26 in Columbia, SC. Developed a TransModeler analysis for each project phase, that included analysis of a contraflow lane Maintenance of Traffic (MOT) plan for two project phases and detour route analysis for the sequential closure of eight bridges, including traffic operational analysis and signing plans for temporary road closures conditions. Prepared signal design and communication plans for three interchange corridors, including temporary and final signal plans and signal communication/timing plans for each corridor. I-77/I-277 US-74 Feasibility Study Charlotte Department of Transportation (CDOT), NC. Lead Engineer for feasibility study of concepts for the interchange of I-77 / I-277/ US 74 in Uptown Charlotte. Created a design based on an initial CDOT concept and identified potential design variations to consider grades, access points, intersection operations, constructability, and cost. Developed an Origin- Destination (OD) demand matrix utilizing existing count data and Metrolina Regional Model to develop 2045 traffic for analysis using Highway Capacity Manual (HCM) and Synchro tools. The final concepts were well received by both North Carolina Department of Transportation (NCDOT), CDOT and other state and Federal partners and will be considered in the final interchange design for the project. I-75 Northwest Corridor Draft Environmental Impact Study (DEIS) Georgia Department of Transportation (GDOT), Atlanta, GA. Traffic Engineering Task Manager for project to support Environmental Impact Statement document for \$1billion managed lane corridor to improve 26-miles on 	


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I-75 and I-575 corridors in Cobb and Cherokee counties. Tasks include traffic forecasting using Atlanta Regional Commission (ARC) 20-county model projections, analysis of study area roadway and intersections (Synchro / VISSIM) and evaluation of impacts and proposed mitigation measures. Managed development of Interchange Modification Report (IMR) / Interchange Justification Report (IJR) for the project (largest ever undertaken in the state), which included microsimulation analysis of all new and modified managed-lane and general-purpose interchanges in the corridor.

- **Feasibility Studies On-Call Contract | NCDOT, NC.** Project Manager for on-call contract to conduct Feasibility Studies for statewide projects. To date, we have completed 11 studies that included alternatives analysis, traffic forecasting and analysis, coordination with Division staff and submittal of concept drawing and a project scoping report.
- **I-95 Widening Project | Infrastructure Consulting Engineers/Flatiron, NC.** Project Manager for traffic design services in support for tender for 8-mile I-95 widening project. Services include ITS/signal plan preparation, noise wall evaluations, ATC evaluations and roadway plan review to provide quantifies for contractor bid in May 2021.



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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title: Buddy Porta, PE	
Project Assignment: Technical Advisor QA/QC	
Name of Firm with which associated: Arcadis U.S., Inc.	
Years' experience with this Firm: 15	
Education: Degree(s) / Year/Specialization: <ul style="list-style-type: none"> BS / 1973 / Civil Engineering 	
Active Registration: Year First registered/discipline: <ul style="list-style-type: none"> 1977 / Professional Engineer – LA 	
Other experience and qualifications relevant to the proposed project: <p>Mr. Porta brings 50 years of experience in the transportation field. He has managed projects throughout his career in design and program and project management. During his career, he practiced highway design for 11 years with 8 of those years in responsible charge of a design unit. Mr. Porta then spent the next 26 years of his career in program and project management at the Louisiana Department of Transportation and Development (LADOTD). In 2001, he was tasked with being the LADOTD Transportation Infrastructure Model for Economic Development (TIMED) Program Manager. This \$5 billion program was developed to multilane over 500 miles of state highways as well as construct three new bridges; two of these bridges across the Mississippi River. He spent the last 5 years at LADOTD as the LADOTD Road Design Engineer Administrator. Since joining Arcadis, Mr. Porta has provided marketing to various clients as well as Quality Assurance / Quality Control for construction plans.</p> <ul style="list-style-type: none"> ITS Maintenance IDIQ Contract – Program Management and Maintenance Management System (MMS), LADOTD, Statewide, LA. LADOTD Compliance. Responsible for making sure LADOTD compliance for the ITS Maintenance Retainer Contract. Contract included developing, implementing, and managing ITS maintenance plans, policies, standards, procedures, and guidelines. Responsibilities also include deployment planning, installation, configuration validation, data migration support and ongoing update to database, training, and annual MMS software support. Systematically provide routine and responsive maintenance for the LADOTD's statewide ITS infrastructure. Such infrastructure includes CCTV cameras, dynamic message signs (DMS), radar vehicle detectors (RVDs), and ramp meters, totaling more than 500 sites statewide. The project scope includes program management; MMS software; comprehensive maintenance plan for routine and responsive maintenance; health and safety and traffic control plan development; and tracking and performance measures reporting. ITS Maintenance Retainer Contract (2012-2015) – Program Management and Maintenance Management System, LADOTD, Statewide, LA. LADOTD Compliance. Responsible for making sure LADOTD compliance for the ITS Maintenance Retainer Contract. Contract included developing, implementing, and managing ITS maintenance plan, policies, standards, procedures, and guidelines. Responsibilities also include deployment planning, installation, configuration validation, data migration support and ongoing update to database, training, and annual MMS software support. Arcadis was awarded the first-ever ITS maintenance contract to establish a program to systematically provide routine and responsive maintenance for the LADOTD's statewide ITS infrastructure. Such infrastructure includes CCTV cameras, DMS, RVDs, and ramp meters, totaling more than 500 sites statewide. The project scope includes program management; MMS software; comprehensive 	

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maintenance plan for routine and responsive maintenance; health and safety and traffic control plan development; and and tracking and performance measures reporting.

- **TIMED Program, LADOTD, Statewide, LA.** DOTD Program Manager. Responsible to work/coordinate daily with the TIMED Program Manager (LTM) to develop training, procedures, policies, and guidelines for the program. The position was required to monitor the progress of the program and had full invoice approval of the consultant's monthly invoice. This position was a member of the TIMED Program Executive Committee and reported to the Secretary of the LADOTD. This program was mandated in the Louisiana Constitution. There were 16 projects that were recognized throughout the state. Bonds were sold to finance and, therefore, accelerate the program. Over 500 miles of state roadways were multilane and three new bridge projects were designed.
- **Road Design Engineer Administrator, LADOTD, Baton Rouge, LA.** When selected for this assignment, the LADOTD was going through reorganization. This section for the last 20 years was mainly focused on project management. With the organization of a project management section, the Chief Engineer stated this section would now be focused back on roadway design. Because of this mandate, brought in training from the FHWA Resource Center in Atlanta, GA to assist the development of this young group. Also, training was requested and provided through the Louisiana Transportation Training Education Center. With the assistance of the Attorney General's Office, developed a Legal Seminar to address the lack of experience in Road Design and other LADOTD sections in depositions and representing the Department in court. This seminar was presented in several cities in Louisiana to LADOTD employees. During this timeframe, Responsible for the development of design criteria for Offset Left Turn Lanes and design guidelines for the replacement of bridges on state routes.
- **Urban System Program, LADOTD, Baton Rouge, LA.** Program / Project Manager. Responsible for the selection of the consultants, coordinating with the Metropolitan Planning Officials (MPOs) and the cities/parishes officials, coordinating with the LADOTD Planning Section, developing the scope of services and fee for the projects, reviewing the construction plans, and providing comments to the consultants and cities/parishes, and the approval of all invoices. Responsible for the development of the Urban Systems Program Seminar which provided information on the processes and procedures used in the program. The seminar began with a project identified by the MPO and ended with the project in construction. The seminar was presented in several cities in Louisiana to selected LADOTD employees and stakeholders. This position was responsible for coordinating with the city and parish officials as well as the MPOs in the state.
- **Overlay Program, LADOTD, Baton Rouge, LA.** Program / Project Manager. Responsible for reviewing the projects selected by each DOTD district and review of construction plans developed by in-house forces. Plans were transmitted to headquarters for letting, which required this office to be prepared to make last minute changes/corrections as needed. This position coordinated with the LADOTD District Construction Engineers as well as the Headquarters Construction Section.
- **Off-System Bridge Rehabilitation and Replacement Program, LADOTD, Baton Rouge, LA.** Program / Project Manager. Responsible for the selection of the qualifying sites, distribution of federal funds to participating parishes, selection of design consultant, coordination with parishes and consultants, development of scope of services and fee for each project, review of topographic surveys and construction plans, and approval of all invoices. This position coordinated with the parish officials throughout the state as well as the Secretary of the LADOTD.

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title: Dana Lawton, PE	
Project Assignment: Technical Advisor QA/QC	
Name of Firm with which associated: Arcadis U.S., Inc.	
Years' experience with this Firm: 32	
Education: Degree(s) / Year/Specialization: <ul style="list-style-type: none"> BS / 1988 / Civil Engineering 	
Active Registration: Year First registered/discipline: <ul style="list-style-type: none"> 1994 / Professional Engineer – LA 2015 / Professional Engineer - NY 	
Other experience and qualifications relevant to the proposed project:	
<p>Ms. Lawton is a Civil Engineer and has been a member of Arcadis Baton Rouge, Louisiana, office since January 1989. Her responsibilities have included project management, project budgeting, development of project work plans, report writing, engineering design, as well as engineering construction quality assurance/quality control (QA/QC). She has assisted in the preparation of numerous remedial investigations and feasibility studies for both Federal and state superfund sites. As a project or technical manager, Ms. Lawton has also prepared remedial designs and plans and specifications required to implement the final remedial actions at both Federal and state superfund sites. In addition to preparing the many work plans associated with the superfund process, she has performed as the technical oversight construction manager for a Federal superfund site and has extensive experience in construction QA/QC. She has also been involved in the development of corrective action plans, closure plans, and Federal Resource Conservation and Recovery Act (RCRA) Corrective Measures Studies, as well as provided on-site construction supervision during site remediation activities. She has been involved in all phases of engineering analysis and design, agency negotiations, and project management.</p> <ul style="list-style-type: none"> East Side Coastal Resiliency New York City Department of Design and Construction, New York City, NY. The East Side Coastal Resiliency project was a design project that expanded the Rebuild by Design winning project concepts that secured \$335 million in Community Block Grant Disaster Recovery funding to protect a significant portion of the Lower East Side of Manhattan. In addition to providing flood protection for the area located between Montgomery Street and East 23rd Street along the East River, the East Side Coastal Resiliency project's guiding principal included improving and expanding the community access to two nearby parks. Arcadis, as part of a multidisciplinary subconsultant team prepared a feasibility and conceptual design reports for the project. These reports presented a range of multifunctional engineering solutions integrated with urban design features to improve community access and expand enjoyment of the parks, including a series of green floodwalls, bridging berms and embankments designs all integrated with East River Park amenities to include recreational facilities, pedestrian and bicycle pathways. Served as the Arcadis Project Manager. <p>Responsible for managing the preparation of conceptual and final design of a flood protection system referred to as the East Side Coastal Resiliency (ESCR) Project, in the borough of Manhattan. The ESCR project, developed during Rebuild by Design, is the first phase of a 10-mile line of protection that extends around lower Manhattan, referred to as the "Big U". The study area is two miles of this</p>	

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line, beginning at East 23rd St down to Montgomery St. The final design will include a range of multifunctional engineering solutions integrated with urban design features to improve community access and expand enjoyment of the parks. The project goals will be accomplished through a series of green floodwalls, bridging berms and embankments designs all integrated with East River Park amenities to include recreational facilities, pedestrian and bicycle pathways. Value: \$10M.

- **East Side Coastal Resiliency, Task 2 - Value Engineering | New York City Department of Design and Construction, New York City, NY.** Directed a multi-disciplined team of up to 40 staff for the development of feasibility, coastal hydraulics, and conceptual design reports. Led interaction with prime and consultants, establishment of design standards, and integration of design components into a resilient system. Monitored, tracked, and reported costs against project budget, schedule, and key performance indicators. Facilitated coordination with multiple stakeholders. Scope: Development of feasibility and conceptual design reports and final designs for integrating various flood protection schemes into a high-density urban design setting. Work required coordinating designs with city agencies, FEMA, utility providers and community groups to achieve project goals of enhanced community connectivity and access to the waterfront while simultaneously achieving resiliency goals. \$9.5M (AE Fee)
- **Emergency Repairs / Texas Gulf Coast Jetties Design-Build | US Army Corps of Engineers (USACE) - Galveston District, TX.** Project Manager for the engineering services necessary to support the repair of five jetties and the Texas City Dike, located along the Texas Gulf Coast. The sites are located in the vicinity of Galveston, Freeport, and Brazos Island Harbors, the Matagorda Ship Channel and the Sabine-Neches Waterway in Texas. The project is considered a restoration of the existing conditions of each system to the original design sections. The jetties and Texas City Dike are rubble-mound construction and consist of filler stone, bedding stone, core and cover stone layers. The project includes the salvage, recovery and replacement of cover stones, when possible. In addition to the engineering plans and project performance based specifications, the project included the following environmental plans Traffic Control, Air Pollution Control Plan, Spill Control Plan and the Biological Resources Plan, particularly avoidance plans for two known threatened and endangered species known to inhabit the project areas, the Kemp's Ridely Sea Turtle and the Piping Plover. OR Led all aspects of project planning, delivery, and tracking/reporting for multidiscipline team and subcontractors. Served as primary client/stakeholder POC; directed staff and project activities; managed cost/schedule, quality, safety, and subcontractors. Scope: Engineer of Record for design and construction phase services to repair of five jetties and one rock dike in Galveston, Freeport and Brazos Island Harbors, Matagorda Ship Channel and Sabine-Neches Waterway. \$1.1M (AE Fee) /\$38M (Constr.)
- **Reservation and Building Post-Hurricane Assessment | USACE - New Orleans District, Los Angeles, CA.** Served as the Project Manager for a multi-disciplined team assembled to inspect the New Orleans District Headquarters and Reservation for damage due to Hurricane Katrina. The team was charged with inspecting and assessing all associated buildings, appurtenances, and features located on the Headquarters site. Upon completion of the inspection, draft and final reports including a cost estimate and photo documentation were produced with recommendations to make the facilities functional such that the District could continue to administer emergency operations in the aftermath of Hurricane Katrina. The inspections and draft and final reports were completed in five days.

TEC Professional Services Questionnaire


KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title: Garret Keller, PE	
Project Assignment: Drainage & Hydraulic Structure Design Pavement	
Name of Firm with which associated: Arcadis U.S., Inc.	
Years' experience with this Firm: 14	
Education: Degree(s) / Year/Specialization: <ul style="list-style-type: none"> BS / 2011 / Civil & Environmental Engineering 	
Active Registration: Year First registered/discipline: <ul style="list-style-type: none"> 2016 / Professional Engineer – LA 	
Other experience and qualifications relevant to the proposed project:	
<p>Mr. Keller graduated with a degree in civil engineering from Louisiana State University in December 2012. Before graduating, he began working with Arcadis as a technical intern in Arcadis' Metairie and Baton Rouge offices, gaining experience in civil and structural detailing and design. Immediately after graduating, he began working as a Water Resources Engineer in their Metairie office. As an Engineering Intern, his focus of experience includes civil design for levee, floodwall, and pump station projects with similar engagement in roadway geometrics, drainage design, and cost estimating practices.</p> <ul style="list-style-type: none"> Bayou St. John, Fairgrounds, 7th Ward Group C New Orleans Department of Public Works, New Orleans, LA. Civil engineer for drainage improvement and street replacement for numerous streets within the Bayou St. John neighborhood. The streets included improvements to Leda Court, Verna Court, Marie Street, St. Vincent Street, Toulouse, N Lopez, Galvez, and Florida Ave. The design included complete drainage calculations for the upgraded stormwater infrastructure, roadway geometrics, and utility coordination and design. Existing water and sewerage lines are to be replaced as part of the project, as well. The updated design is critical to reducing street flooding within the neighborhood. Gardena Street Rehabilitation New Orleans Department of Public Works, New Orleans, LA. Civil designer for drainage improvements and the complete street rehabilitation for Gardena Street from St. Bernard Avenue to Paris Avenue (2,500 feet) that includes drainage calculations and design for the surrounding area (approximately 20 acres). Design includes runoff determination, catch basin locating, stormwater replacement, and water line replacement. This included a managed drainage approach as to not to overwhelm the existing culvert at the downstream tie-in at Paris Avenue. Chef Menteur Bridge and Approaches Environmental Assessment LADOTD, Orleans Parish, LA. Responsible for geometry and roadway design for a high-priority environmental assessment for the bridge replacement. Movable and fixed-span designs are under consideration. Key issues included minimizing impacts to Bayou Sauvage National Wildlife Refuge, avoiding Fort McComb historical site, avoiding the existing bridge that is eligible for the NRHP, and providing alternatives that comply with the Complete Streets Policy. LA 594 (Millhaven Rd.) Stage 0 Compliant Study I-20 Economic Development Corporation, Ouachita Parish, LA. Primary designer: roadway intersection and roundabout improvement alternatives for a LADOTD Stage 0 study to improve LA 594 between Garret Road and Russell Sage 	

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Road in Monroe, Louisiana. Both a curb and gutter and shoulder UA-2 alternatives were developed, abutting the KCS right of way. Two roundabouts were evaluated in compliance with LADOTD EDSM V.1.1.6 (Design).

- **Elmwood Parkway Drainage Improvement | Jefferson Parish Department of Capital Projects, Metairie, LA.** Civil engineer responsible for the replacement of 2500 linear feet of stormwater piping and the associated roadway restoration. The project included the replacement of waterlines at each cross-street for reduction of future water main maintenance and future street demolition. The contract included the development of plans, specifications, construction cost estimate, and bid documents.
- **C-139 Flow Equalization Basin Design | South Florida Water Management District, Hendry County, FL.** Civil Engineer whose role involved the civil site design, construction drawing development, coordination of construction cost estimate based on management of borrow material, unsuitable material, and offsite stockpiled material. This project encompassed the design of an 11,000-acre-foot shallow impoundment and water control structures, aimed at effectively managing source basin runoff. The complex project included an accelerated schedule and avoided impacts on surrounding properties.
- **East Side Coastal Resiliency | New York City Dept. of Design and Construction, New York City, NY.** Served as Senior Project Engineer for conceptual design of flood mitigation features in lower Manhattan between Montgomery Street and 23rd Street encompassing East River Park, Con- Edison Pier and Stuyvesant Cove Park. Technical duties included civil design and layout of the flood protection berms, floodwalls, and the numerous proposed floodgates, as well as, the geometric design of the East River Park pathways, analysis of the existing stormwater conditions, and determining beneficial options for utility conflicts. Designs were closely coordinated with city agencies, FEMA, Con-Edison and other utility providers, community groups, adjacent projects, and other stakeholders to achieve project goals of enhanced community connectivity and access to the waterfront while simultaneously achieving resiliency goals.
- **Mecca Water Impoundment Design | South Florida Water Management District, Palm Beach Gardens, FL.** Civil Engineer responsible for the evaluation of construction methods and developing a production rate-based construction cost estimate for all aspects of the future project in compliance with AACE 17R-97. Assisted in the development of the Design Documentation Report. The project included design of a 7,200-acre-foot aboveground reservoir to restore flows to the Loxahatchee River. The design needed to avoid seepage or groundwater impacts to a residential development located adjacent to the project.
- **Rio Puerto Nuevo Channel (2D/2E) and Roosevelt Avenue Bridge (2B) Modification Design | USACE Jacksonville District, San Juan, PR.** Civil Engineer responsible for civil site design, constructability review, and sequencing for the complex requirements of maintaining channel bypass and traffic requirements. Led development of plans, specifications, and design documentation report for the civil discipline. Scope included the design and construction of improvements for a 1.1-mile-long channel to accommodate a 100-year flood and a bridge design and replacement. The project required the construction to maintain conveyance during construction in a dense urban area, as well as seismic bridge and channel requirements. Cost: \$150M (const.)
- **Seabrook Engineering During Construction | USACE - New Orleans District, New Orleans, LA.** As part of the IHNC – Seabrook closure complex, a 95-foot-wide Sector Gate, two 50-foot-wide Vertical Lift Gates, and tie-in Twalls on both sides of the bank are being designed. Project responsibilities include detailed engineering and design (E&D), preparation of a Design Documentation Report (DDR), preparation of plans and specifications (P&S), and support during construction. The current construction cost of the project is estimated around \$170 million U.S.
- **Cut-off/Pointe-Aux-Chenes Levee Reach L Final Plans Coastal Protection & Restoration | Authority of Louisiana, Baton Rouge, LA.** Civil Designer for preparation of plans for improvement of an existing levee to meet federal standards and increase its level of protection. Civil designs of earthen levee, sheet pile floodwalls, borrow pits, access ramps and utility crossings. Improvements to an existing bulkhead and pump station discharge pipes. Quantity calculations in support of cost estimates.


TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title: Answer Ahmed, PE, DWRE, ENV SP	
Project Assignment: Stormwater Planning	
Name of Firm with which associated: Arcadis U.S., Inc.	
Years' experience with this Firm: 24	
Education: Degree(s) / Year/Specialization: <ul style="list-style-type: none"> MS / 1987 / Water Resource Engineering BS / 1984 / Civil Engineering 	
Active Registration: Year First registered/discipline: <ul style="list-style-type: none"> 1997 / Professional Engineer – GA 1991 / Professional Engineer - IL Diplomate, Water Resource Engineering 	
Other experience and qualifications relevant to the proposed project:	
<p>Mr. Ahmed serves as a national expert for Arcadis' stormwater and watersheds practice and provides thought leadership to the firm in many technical disciplines including stormwater and watershed management, and green Infrastructure. He has been involved in the development and implementation of stormwater programs and stormwater utilities for over 30 years. These assignments have included rate studies, revenue projections, Extent of Service and Level of Service policies, credit policies, public information and outreach campaigns, and development of billing master account file. His experience with stormwater utilities includes comprehensive review of existing operating utilities and re-evaluation of projected needs and re-align the utility's operations and rate structure to better fit those needs.</p> <p>He has authored many papers and presentations, that include a presentation and panel discussion at WEFTEC on Stormwater Funding Program Evaluation: Always Room for Improvement; peer-reviewed article in an AWWA Journal on "Maximizing Stormwater Program Effectiveness Through Risk-Based Stormwater Asset Management". He is a coauthor of the recently released WEF/ASCE O&M of Stormwater Controls Manual. Answer has over 34 years of experience in developing and implementing large stormwater programs. His experience includes multi-objective stormwater master planning, watershed protection, ordinances, funding, watershed restoration, and green infrastructure.</p> <ul style="list-style-type: none"> DeKalb County Master Plan & Rate Increase DeKalb County, GA. Project manager for preparation of a Stormwater Master Plan and conducting a comprehensive review of the County's operating stormwater utility. The review utilized the guidance and tools in WEF's "User-Fee-Funded Stormwater Programs" manual. Initially established in 2003, the DeKalb County stormwater utility is one of the largest stormwater utilities in the State of Georgia. During the master plan development, the County needed to increase revenues to support a loan through the State Revolving Fund (Clean Water) to address backlogged maintenance needs. Key efforts included rate modeling, reporting, and stakeholder engagement (both public and private). As a result, the County passed a resolution in May 2023 to double the rates from their historic levels. The Stor Stormwater Utility is expected to generate \$24 million in net revenues in 2023 and \$140 million over the next 5 years. Watershed Master Plan San Antonio River Authority (SARA), TX. Technical advisor for this project that employed a holistic approach to watershed planning, stormwater and flood management, and integrated water resources management to develop a watershed master plan for the Medina River. This included working with multijurisdictional issues and regulatory requirements. The team considered both structural and non-structural approaches to flood mitigation and stormwater management. 	

TEC Professional Services Questionnaire

- **Comprehensive Stormwater Program and Utility | Henry County, GA.** Arcadis conducted a stormwater funding feasibility study and prepared a funding action plan. The recommendations included raising development fees for the plan review, permitting, inspection, and enforcement services related to construction of new stormwater infrastructure and implementation of a stormwater utility. For set up of the utility, the services included a comprehensive fee rate study, public outreach, a GIS database of impervious surfaces, rectification of billing and parcel databases, a Master Account File with the stormwater bills, and a stormwater management utility ordinance.
- **County-Wide Stormwater Master Plan – Phase One | Monroe County Department of Environmental Services (MCDES), NY.** Technical advisor for the development of a comprehensive master plan framework with the objective of assessing MS4 program, identify ongoing changes in federal, state, and local requirements, develop and update policy and program requirements, evaluate and prioritize areas of impact, collaborative strategies and municipal partnering opportunities, and program funding and financing strategy for the long-term capital improvements. The framework helped establish and define the activities for Phase Two which included CIP development, O&M, and green infrastructure strategic direction.
- **Stormwater MS4 Program Implementation and Assets Operations and Maintenance | Georgia Department of Transportation (GDOT), Statewide, GA.** Program manager to assist Georgia DOT in developing a statewide stormwater management program to comply with all aspects of the MS4 permit. Similar to other large stormwater management programs, asset management is becoming a preferred business process by GDOT to better manage their physical infrastructure with a long-term view and financial perspective. The Arcadis team performed a comprehensive review of other DOT stormwater asset management and O&M programs and developed the recommendations based on lessons-learned and adapted the program to GDOT's organization structure. A comprehensive Stormwater Inspection & Maintenance (I&M) Manual was prepared, and the stormwater O&M program is designed to integrate with GDOT's overall asset management system (GAMS).
- **Canton Stormwater Management Utility | Canton, GA.** Project manager for development and successful implementation of all major aspects of the Stormwater Management Utility to fund the City of Canton's water quality and stormwater management program. Several work sessions were held with the City Council to include all concerns related to the fee amounts for varying property types and sizes to the billing mechanism. An impervious area only based rate structure was developed. The fee was based on impervious area only with a tiered rate for SF residential parcels based on size, master account file and billing file, funding options, rate structure options, stormwater utility ordinance review, and stormwater utility implementation assistance.
- **Stormwater Master Plan and Funding Action Plan | Athens-Clarke County, GA.** This project involved development of a comprehensive watershed and stormwater management plan for the entire county. A funding action plan was prepared to fund the stormwater program. The recommendations included a mix of funding options, including stormwater service fees, development fees, and SPLOST revenues.
- **Comprehensive Stormwater Management Plan | Bolingbrook, IL.** Quality control review engineer for preparation of a three-phased comprehensive stormwater management plan involving hydrologic/hydraulic analyses, delineation of floodplains, ordinance review, and open space preservation for a 28-square-mile community.
- **First Creek Stormwater Master Plan | Knoxville, TN.** Senior oversight and technical advisor for this project to develop a comprehensive inter-jurisdictional strategic management plan for the First Creek Watershed. This challenging project involved the development of a unified County and City plan of management and funding within a shared watershed with distinctly different features and land use characteristics. Key objectives achieved included a detailed SWMM watershed model that serves as a tool for ongoing watershed management needs of both the City and County. Recommendations included solutions that balance flooding and water quality management, CIP, planning/zoning template for future development/ redevelopment including LID methods, an implementation strategy, including land acquisition, schedules, and funding recommendations.

TEC Professional Services Questionnaire


KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title: Blake Pitre, EIT	
Project Assignment: Construction Specifications	
Name of Firm with which associated: Arcadis U.S., Inc.	
Years' experience with this Firm: 6	
Education: Degree(s) / Year/Specialization: <ul style="list-style-type: none"> BS / 2017 / Civil Engineering 	
Active Registration: Year First registered/discipline: <ul style="list-style-type: none"> EIT – LA 	
Other experience and qualifications relevant to the proposed project:	
<p>Mr. Pitre has working knowledge in the fields of geotechnical engineering and water resources. He has passed the Fundamentals of Engineering exam and possesses his Engineer Intern license with the State of Louisiana.</p> <ul style="list-style-type: none"> SLFPA-W: WBV 16.2b and WBV72/17.2b – Levee Lifts, Jefferson Parish, Louisiana. Supper Civil site design associated with the development of construction documents (plans and specification) suitable for use by SLFPA-W to procure the construction of the levee lifts at each of the project sites. These projects consist of approximately 900 linear feet and 6,100 linear feet of levee lift for WBV16.2b and WBV 72/17.2b, respectively. The levee lifts include design of transitions that tie the proposed earthen levee lift into existing pile-supported T-Walls City of Norfolk: Coastal Resiliency Program - Design, Norfolk, VA. Responsible for the structural design of floodwalls. Duties include sketching the preliminary design and performing calculations for the structural integrity of the floodwalls. Coordinates with city officials and superiors to verify that the design criteria and guidelines are met. Reports directly to the staff water engineer and principal structural engineer on the weekly progress of ongoing work. City of New Orleans: Bayou St. John, New Orleans, LA. Responsible for the restoration of streets, sidewalks, driveways, waterlines, and drainage for the Bayou St. John neighborhood in New Orleans. Developed calculations to support the drainage recommendations for the area using Excel. I used Civil 3D to develop a drawing package for all 10 blocks in the area. Coordinated with city officials to develop the drawing package. New York City Department of Design and Construction: East-Side Coastal Resiliency, Manhattan, NY. Produced calculations to design water control structures for the city. Developed a pile layout and plan for the building with the use of CPGA. Sewerage and Water Board of New Orleans: RR139 Plum Orchard West Lake Forest Group B, New Orleans, LA. Performed roadway drainage design, roadway replacement within Autocad Civil 3D. Produced drainage calculations in Excel. US Army Corps of Engineers - Jacksonville District: Rio Puerto Nuevo Channel Design, San Juan, ST. QC'd 100% final design plans and specs. International Boundary & Water Commission: Sunland Park Levee Design, El Paso, TX. QC'd 90% design comments and backchecked 90% design comments. 	

TEC Professional Services Questionnaire


- **Jefferson Parish: Elmwood Parkway Drainage Impro, Metairie, LA.** Performed roadway drainage and street replacement within Autocad Civil 3D. Produced plans and profiles for drainage and streets.
- **City of New Orleans: St. Anthony, New Orleans, LA.** Responsible for the restoration of streets, sidewalks, driveways, waterlines, and drainage for the Bayou St. John neighborhood in New Orleans. Developed calculations to support the drainage recommendations for the area using Excel. I used Civil 3D to develop a drawing package for all 50 blocks in the area. Coordinated with city officials to develop the drawing package.



TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title: Craig Raymond, PE	
Project Assignment: Stormwater Planning Project Engineer Pavement	
Name of Firm with which associated: Arcadis U.S., Inc.	
Years' experience with this Firm: 10	
Education: Degree(s) / Year/Specialization: <ul style="list-style-type: none"> • BS / Civil Engineering 	
Active Registration: Year First registered/discipline: <ul style="list-style-type: none"> • 2018 / Professional Engineer – LA 	
Other experience and qualifications relevant to the proposed project:	
<p>Mr. Raymond has 10 years of experience providing engineering services in support of various projects throughout the U.S. Mr. Raymond has had roles such as Civil Design Lead, Project Management, and Construction Management. Responsibilities have included preparing engineering designs, plans, and specifications, preparing cost estimates, project management, coordinating with permitting agencies, and resident inspections.</p> <ul style="list-style-type: none"> • Streets Rehabilitation Engineering City of New Orleans DPW. Engineering support for the scoping, assignment, preliminary design report, final design, preparation of bid documents and the construction oversight of the St. Anthony Quadrant I neighborhood Streets Rehabilitation project. The project consists of the evaluation of all FEMA PW-designated repairs for accuracy and completeness, modifying those approved repairs to reflect field conditions. It is also required to identify and justify, providing supporting documentation, additional repairs not identified in the initial PW for consideration by FEMA. Approximately 70% of the repairs identified and justified by Arcadis were deemed eligible by FEMA. • Water Line Replacement Program Sewerage and Water Board of New Orleans. Engineering support for the design, engineering, cost estimates and construction inspection for the replacement of approximately 50,000 lf of 8- to 12-inch drinking water distribution pipeline and related (valves and hydrants) in the Touro, Tremé-Lafitte, Tulane- Galvez, Riverside and Seventh Ward neighborhoods. • Bayou St. John, Fairgrounds, 7th Ward RR005 Group C Street Rehabilitation City of New Orleans DPW, New Orleans, LA. Preparation of plans, cost estimate and specifications for FEMA-eligible street repairs on several streets in the Bayou St. John Neighborhood in New Orleans. Scope includes full/partial street repair, utility replacement and construction oversight. • Replacement of Filter Backwash Equipment at the Main Purification Plant Sewerage and Water Board of New Orleans, New Orleans, LA. Lead Civil Engineer on plans, specifications and cost estimate on the new backwash pumps that were tied into the existing Filter Gallery. Project consisted of 2 new pumps, piping, replaced gravel roadway, concrete slabs, utility vaults and other features. Managed the inspections during Construction. • NDRC Ohio Creek Watershed Project / City of Norfolk / Norfolk, Virginia City of Norfolk, Norfolk VA. Engineering support for the design of a new flood mitigation and stormwater management system in the Chesterfield Heights community in Norfolk, Virginia. Features include elevated roadways, upgraded culverts with stormwater closure structures, and various green infrastructure treatments for stormwater management. 	


TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title: Kester Hollier, PE, PTOE	
Project Assignment: Project Engineer Roadway Design Traffic Intersection	
Name of Firm with which associated: Arcadis U.S., Inc.	
Years' experience with this Firm: 1	
Education: Degree(s) / Year/Specialization: <ul style="list-style-type: none"> BS / 2004 / Civil Engineering 	
Active Registration: Year First registered/discipline: <ul style="list-style-type: none"> 2009 / Professional Engineer (Civil) – LA Professional Traffic Operations Engineer (PTOE) #3928 	
Other experience and qualifications relevant to the proposed project:	
<p>Mr. Hollier possesses a wide breadth of experience in the field of transportation engineering including traffic engineering, roadway design, complete street improvement projects, roadway safety analysis and design, and construction management and inspection. Working on a wide variety of projects from the planning and conceptual phases to the design and construction phases, has given him the experience to help identify the needs and requirements for projects. This experience allows him to understand stakeholders ranging from local public agencies to state DOTs and help provide expertise in achieving successful solutions for a variety of projects.</p> <ul style="list-style-type: none"> Replace Belle Chasse Tunnel and Bridge Stage 0 Feasibility Study and Stage 1 EA LADOTD, Belle Chasse, LA. Traffic Engineer: Responsible for the traffic analysis along LA 23 (Belle Chasse Highway) between LA 428 (Behrman Highway) and LA 406 (Woodland Highway) for multiple 6-lane bridge alternatives that would be proposed to replace the existing Belle Chasse Tunnel and lift bridge over the Intercoastal Waterway. These alternatives included 3%, 4%, and 5% bridge grades that modified roadway geometry and intersection location. Responsible for the review of the roadway portion and costs for the Line and Grade Study along with the review of the construction sequencing and traffic maintenance of the constructability review. New Orleans Railroad / US-90 Traffic Study: New Orleans Regional Planning Commission, Jefferson Parish, LA. Team Member: Responsible for the crash study of US 90 concerning two at-grade railroad crossings and developing multiple traffic alternatives to minimize the impact of the rail crossings on the corridor traffic. Also, reviewed train traffic schedule and patterns. LA 466 (5th Street) Improvements Traffic Study: City of Gretna, Gretna, LA. Project Manager/ Traffic Engineer: Responsible for the traffic study and impacts for the proposed complete streets improvements along the LA 466 corridor between LA 23 and Richard St in Gretna, Louisiana. Tasks included data collection along the corridor and at designated intersections, safety and crash analysis along the corridor, trip generation / land use and performing existing traffic analysis and future traffic analysis for proposed final alternative. The traffic study was prepared to follow the LADOTD's Traffic Engineering Process and Report Guidelines. The project also included a stand along pedestrian study along the corridor at designated intersection and the design of accessible pedestrian signals at signalized intersections. 	

TEC Professional Services Questionnaire

- **Peters Road Bridge & Extension: LADOTD, Jefferson / Plaquemines Parish, LA (838-07-0002,700-26-0258).** Civil / Traffic Engineer: Road design and geometrics for the design of a new fixed, high-level bridge across the Intercoastal Waterway including new interchange at Peters Rd. and LA 23. Developed traffic signal design, signing plans, pavement marking layouts and temporary traffic control plans for all phases.
- **LA 22 Traffic Circulation and Corridor Analysis: New Orleans Regional Planning Commission, Slidell, LA.** Traffic Engineer: Responsible for the development of three future alternatives along Northshore Boulevard between I-12 and US-190 in Slidell, LA. Managed the data collection process and peak period observations to determine existing traffic patterns as well as the safety analysis along the corridor. Developed three alternatives that used a combination of traffic signal retiming, J-turns, and roundabouts to provide better access management along Northshore Boulevard as well as improve traffic flow in the corridor for current and proposed future conditions with consideration given to proposed future developments using trip generation and land use analysis.
- **Marathon Petroleum US-61 Access Improvements, LADOTD / Marathon Petroleum Company, Garyville, LA.** Traffic Engineer: Responsible for the traffic forecasting and analysis for the Traffic Impact Study for the expansion plans for the Marathon Oil Refinery in Garyville, Louisiana. Performed traffic analysis and signal design for the new main entrance to the refinery as well as the required turn lanes from US-61 to different points of entry to the refinery site.
- **City of Gretna Citywide Bike Path Development: City of Gretna, Gretna, LA.** Team Member: Responsible for the design, safety analysis and sign layout of the proposed citywide bike path for the City of Gretna.
- **Causeway Boulevard / Earhart Expressway Interchange, LADOTD, Jefferson, LA.** Traffic / Civil Engineer: Responsible for the design of traffic control and construction sequencing, pavement marking layout, quantity analysis, and quality control for a new interchange at LA 3139 (Earhart Expwy.) and LA 3046 (Causeway Blvd.) in Jefferson, Louisiana. Provided review for the interchange traffic sign and traffic signal layouts. Identified all necessary design waivers and design exceptions required for LADOTD approval. Provided geometric layout design, typical section design and review, and joint layout design for several interchange ramps and underpasses.
- **Causeway Boulevard Widening Traffic Study: Parish of Jefferson, Metairie, LA.** Project Manager / Traffic Engineer: Responsible for the traffic study for the proposed widening of Causeway Boulevard between Metairie Rd. and West Esplanade Blvd. in Jefferson Parish, Louisiana. Tasks included data collection, traffic volume redistribution, left-turn placement and turn bay storage length, and existing traffic analysis and future traffic analysis of a preferred alternative.
- **State Route 180 (Canal Rd) Widening from Foley Beach Express to SR-161 / Wolf Bay Bridge and Connecting Roads Project: ALDOT, City of Orange Beach, Orange Beach, AL.** Traffic Engineer: Responsible for the existing and future traffic analysis, traffic forecasting and distribution along Alabama State Route 180 between Foley Beach Expressway and SR-161. Traffic Engineer responsible for the development and existing and future traffic analysis of multiple intersection alternatives at the intersection of SR-180 and SR-161 for the addition of the proposed Wolf Bay Bridge. Alternatives included different signal phasing alternatives, lane restrictions, by-pass routing, and roundabouts for the intersection including traffic forecasting and redistribution for each alternative.
- **US 190 Stage 0 Feasibility Study: New Orleans Regional Planning Commission, Slidell, LA.** Team Member: Responsible for the roundabout geometric design and pedestrian/bike path design along the US 190 corridor in St. Tammany Parish.

TEC Professional Services Questionnaire


KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title: Jose Rodriguez, PE	
Project Assignment: Roadway Design	
Name of Firm with which associated: Arcadis U.S., Inc.	
Years' experience with this Firm: 3	
Education: Degree(s) / Year/Specialization: <ul style="list-style-type: none"> BS / 1992 / Civil Engineering 	
Active Registration: Year First registered/discipline: <ul style="list-style-type: none"> 2003 / Professional Engineer - LA 	
Other experience and qualifications relevant to the proposed project:	
<p>Mr. Rodriguez has more than 25 years of experience with roles of progressive responsibility as a civil engineer performing roadway design, bridge design, project management, hydraulic analysis, utility coordination, construction supervision, estimating, and project implementation for various clients in Louisiana, Texas, Georgia, and North Carolina (NC). He has worked in close relationship with the Federal Highway Administration (FHWA), U.S. Army Corps of Engineers, Louisiana Department of Transportation (LADOTD), local parish governments, and regional planning commissions. He has extensive experience with Bentley Inroads, Autodesk Civil 3d, and Leap Bridge for Concrete Bridge Design. Served on the American Concrete Institute Louisiana Board, becoming president of the Louisiana Chapter in 2010 and remains active in the organization.</p> <ul style="list-style-type: none"> NC Highway 73 (NC 73) Widening, (2020-2020) North Carolina Department of Transportation (NCDOT), Mecklenburg County, NC. Served as Project Engineer. Responsible for the Temporary Traffic Control Plan preparation for the widening of NC 73. A principal arterial roadway, NC 73 was widened from a two-lane undivided roadway into a four-lane divided highway with a 30 ft wide median. The project presented many challenges due to the high traffic volumes, time restrictions for lane closures, and all National Association for Stock Car Auto Racing events at Charlotte Motor Speedway for the duration of the project. To mitigate traffic disruption and enhance roadway safety, assisted in preparing the Transportation Operation Plans and sequence of construction for the project. All design work was performed following NCDOT and the latest Manual on Uniform Traffic Control Devices standards. Traffic Turn Lanes on Highway LA 3127 (2017-2018) Yuhuang Chemical Inc., St. James, LA. Served as Quality Control. Review for the design of two turn lanes into the Yuhuang Chemical Methanol plant in St. James, Louisiana. During construction, provided the owner with construction design services for the duration of the construction phase. Earhart Boulevard-Causeway Interchange (2012-2015) LADOTD, New Orleans, LA. Served as Project Designer. Responsible for the geometric design and roadway plan preparation for the Earhart Boulevard-Causeway Interchange. The Earhart Boulevard Causeway Interchange purpose was to assist in traffic congestion relief for the east-west flow of traffic for the New Orleans Metro Area. It consisted of the development of roadway and bridge ramps for the creation of an elevated signal-controlled interchange. Responsible for development of all horizontal and vertical alignments for this project as well as roadway plan preparation, developing all roadway cross sections, drainage design, utility conflict resolution and cost estimating for the project. 	

TEC Professional Services Questionnaire

- **I-10 from Veterans to Clearview (2010-2011) | LADOTD, Metairie, LA.** Served as Project Designer. Responsible for roadway plan preparation for widening 1.2 miles of I-10 from three lanes to five lanes in each direction. The project also included bridge work to accommodate the interstate widening. Also responsible for the alignment and design of concrete sound walls along the corridor. Helped implement an innovative two-sided concrete stamp process for the noise wall precast concrete panels.
- **Orleans Submerged Roadway Program Management (2006-2009) | LADOTD/ New Orleans Regional Planning Commission, New Orleans, LA.** Served as Project Designer and Quality Control Reviewer. For this multi-million-dollar program management team for the DOTD and the FHWA. Helped develop design guidelines and processes for the standardization of engineering work for the repair of roadways damaged by Hurricane Katrina in the City of New Orleans and other parishes. Responsible for conducting quality control reviews on roadway plans prepared by other engineering firms for compliance with DOTD and FHWA design standards.




TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title: Avery Love	
Project Assignment: CADD	
Name of Firm with which associated: Arcadis U.S., Inc.	
Years' experience with this Firm: 12	
Education: Degree(s) / Year/Specialization: <ul style="list-style-type: none"> AA / 2012 / Drafting & Design Technology AS / 2004 / Architecture 	
Active Registration: Year First registered/discipline: <ul style="list-style-type: none"> N/A 	
Other experience and qualifications relevant to the proposed project: <p>Mr. Love is experienced in providing advanced levels of CADD support for water resource design projects and many others. His computer skills encompass MicroStation V8, V8i, Bentley Inroads, AutoCAD, Land Desktop, Architectural Desktop, Civil 3D, and many others.</p> <ul style="list-style-type: none"> Cobbs Creek Regional Water Supply Reservoir Design and Construction Henrico County, Cumberland, VA. Performed design review of a new pumped storage reservoir for water supply and river flood project includes 115- kV overhead electric transmission lines by the local utility, Central Virginia Electric Cooperative. Emergency Repairs / Texas Gulf Coast Jetties Design-Build USACE - Galveston District, Galveston, TX. Developed drawings supporting final construction phases and finalized record drawings. Engineer of Record for design and construction phase services to repair of five jetties and one rock dike in Galveston, Freeport and Brazos Island Harbors, Matagorda Ship Channel and Sabine-Neches Waterway. Improvements to D7-2 (Kawanee & Olympic) Pump Station Jefferson Parish, Metairie, LA. CAD lead in preparing the final plans and will be responsible for the development of the record drawings. Or Led development of drawings and generated plan and profile, volume calculations, cross sections, and various detail drawings as well as drawing of record. Evaluation, design, construct administration and resident inspection for the construction and rehabilitation of a 4,200-gpm lift station and 5,200 feet of 16-inch (directional drilled) HDPE force main. Ouachita Environmental Impact Statement - Supplement 1 Louisiana Department of Transportation & Development, Monroe, LA. Technician: Led the technical portion of the civil design effort for the revitalization of bridges and roadways for LADOTD in Ouachita Parish, LA. Technician: Project included updating Noise Analysis Technical Report to meet the criteria established by the 2004 LADOTD Highway Traffic Noise Policy and securing Section 404/401 permits for the project with oversight on the wetlands delineation, jurisdictional determination, and mitigation plans and agreements. Water Line Replacement Program Sewerage Water Board of New Orleans, New Orleans, LA. CADD Technician: Led the technical portion of the civil design effort to upgrade waterlines in various neighborhoods affected by Katrina in New Orleans, LA. 	

TEC Professional Services Questionnaire

- **Remediation Design of Levee and Floodplain Failure within the Upper Brownsville Levee Reach | USIBWC Brownsville, TX.** Prepared drawings, value calculations, and cross sections related to proposed flood risk alternatives. Plan formulation and study to identify opportunities for flood risk management and flooding-related disaster mitigation, hazard warning, and other projects or programs. Work includes ADCIRC, DELFT3D and HEC- RAS modeling, economic and socio-economic analyses, HEC-FDA analyses, engineering design of large, gated structures, cost estimating, and environmental compliance.
- **Storm Surge Suppression Feasibility Study | Upper Texas Coast, TX.** Prepared drawings, value calculations, and cross sections related to proposed flood risk alternatives. Plan formulation and study to identify opportunities for flood risk management and flooding-related disaster mitigation, hazard warning, and other projects or programs. Work includes ADCIRC, DELFT3D and HEC-RAS modeling, economic and socio-economic analyses, HEC-FDA analyses, engineering design of large, gated structures, cost estimating, and environmental compliance.
- **Plaquemines Parish Non-Federal Hurricane Flood Protection | USACE - New Orleans District, St. Jude, LA.** Led the development of CADD (MicroStation) products for the civil design effort. Upgrade 32 miles of levees to meet 100-year hurricane flood protection standards from Oakville to St. Jude.
- **Cane River Lake Embankment Re-Stabilization | National Park Service, Natchitoches, LA.** Led the technical portion of the civil design effort for the re-stabilization of Cane River Lake's embankment for the National Park Service in Natchitoches.
- **Dallas Flood Protection System Upgrade of the Trinity River Levee System | City of Dallas, City of Dallas, TX.** Co-led the technical portion of the civil and structural design effort to upgrade the Trinity River Levee system to meet 100-year Flood Protection standards for the City of Dallas.
- **Hurricane Flood Protection System | Oakville, St. Jude, LA.** Led the technical portion of the civil design effort to upgrade 32 miles of levees to meet 100-year Hurricane Flood Protection standards from Oakville to St. Jude.
- **I-310 Hurricane Flood Protection System | USACE - New Orleans District, St. Rose, LA.** Led the technical portion of the civil and structural design effort to construct a floodwall system that meet 100-year hurricane flood protection standards beneath the St. Charles Parish interstate interchange in St. Rose.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title: David Fulks, PE, CCCA, CDT	
Project Assignment: Civil/Site	
Name of Firm with which associated: Arcadis U.S., Inc.	
Years' experience with this Firm: 27	
Education: Degree(s) / Year/Specialization: <ul style="list-style-type: none"> MS / 2020 / Engineering Management BS / 1997 / Civil Engineering 	
Active Registration: Year First registered/discipline: <ul style="list-style-type: none"> 2002 / Professional Engineer (Civil) - LA Board-certified Water Resources Engineer Project Management Professional Envision Sustainability Professional Certified Construction Contract Administrator Certified Construction Specifier 	
Other experience and qualifications relevant to the proposed project: <p>Mr. Fulks serves as a technical expert and supervising engineer for civil engineering staff within Arcadis's Water Management practice delivering civil works engineering projects across the nation. He is a board-certified water resources engineer and has over 25 years of experience in the design of levees, floodwalls and floodgates, drainage control structures, coastal structures, roadways, airfields, and commercial and industrial land developments. His experience encompasses analysis and design of site hydrology and hydraulics; geometric design of levees, dikes, jetties, and beach nourishments; geometric, pavement, and drainage design for highways, streets, runways, and taxiways; and inspection and rehabilitation of dams, levees, locks, and spillways.</p> <ul style="list-style-type: none"> East Side Coastal Resiliency Project New York City Department of Design and Construction, New York, NY. Civil engineering design lead in the development of geometric layout of flood walls and floodgates, roadways, levees, and berms, and retaining walls. Directed civil design and cost estimate development. Developed O&M schedules and budgets. Scope: Design of 2.4-mile coastal flood protection system including floodgates, flood walls, bridging berms and combined sewer overflow system. Complexity: High – due to flood mitigation system along the heavily urbanized shoreline of Manhattan. East Rockaway Inlet to Rockaway Inlet and Jamaica Bay Multi-Purpose Feasibility Study USACE New York District, New York City, NY. Developed civil cross sections and geometric layouts of sea walls, flood walls, navigation gates, levees, living shorelines and beach nourishments. Directed civil design and developed MII cost estimate. Scope: Feasibility study for reducing vulnerability to major storms and providing sustainably. Complexity: High – due to complex developing flood damage reduction plans in a dense urban environment. Southwest Coastal Louisiana Multi-Purpose Feasibility Study Louisiana Coastal Protection and Restoration Authority (CPRA), Southwest LA. Civil engineer responsible for preparing the engineering MCACES II cost estimate for storm surge risk reduction features. Worked with New Orleans District cost personnel to obtain Cost DX ATR Certification by the Walla Walla District. Scope: Feasibility design for multi-purpose National Ecosystem Restoration (NER) and hurricane/storm damage risk reduction National Economic Development (NED) project. 	

TEC Professional Services Questionnaire

Complexity: High –coordination between USACE and CPRA as well as developing a multi-purpose project (NER and NED plan).

- **Mecca Water Impoundment Aquatic Restoration Design | South Florida Water Management District, Palm Beach Gardens, FL.** Prepared civil engineering plans and specifications for a key water storage facility. Prepared civil engineering portions of the Design Documentation Report. Scope: Design of restoration to provide supplemental freshwater flows, reduce the impacts of saltwater intrusion, and minimize damaging high discharges on the Loxahatchee River. Complexity: High – due to need to avoid seepage or groundwater impacts to residential development located adjacent to project.
- **Hampton Pump Station / Nobles Branch Sluice Gate | U.S. Army Corps of Engineers - Fort Worth District, Dallas, TX.** Provided independent technical review of the civil design and constructability for the development of three independent construction packages for a new pump station which will accommodate approximately 700,000 GPM. The project includes design of a new drainage pumping station (Hampton 3), electrical upgrades to one of the existing drainage pumping stations, and realignment of a drainage channel including installation of new roadway culverts and sluice gates.
- **Rio Puerto Nuevo Bridge and Channel Improvements | U.S. Army Corps of Engineers - Jacksonville District, San Juan, Puerto Rico.** Provided Independent Technical Review for the civil design and constructability of flood risk management improvements for the Rio Piedras Drainage Basin and its tributaries. The Rio Puerto Nuevo Basin drains 24 square miles, 75 percent of which is highly developed with a population of 250,000 persons. The project includes expanding the current channel basin to accommodate a 100-year flood capacity as well as designing and replacing the Roosevelt Avenue Bridge with a new, wider, six-lane bridge.
- **Helena Levee and Floodwall Replacement | U.S. Army Corps of Engineers - Memphis District, Phillips County, AR.** Served as the assistant project manager and led the preparation of civil engineering plans, specifications, design documentation report, and cost estimate for the replacement of 3,700 linear feet of 1920s-era concrete floodwall and two steel roadway flood gates along the Mississippi River at the historic Helena Levee Walk and Municipal River Terminal site. Project challenges included developing foundation solutions to address slope instabilities induced by recently constructed grain storage bins on the site and coordinating project layout and construction sequencing constrained by existing river terminal and railroad assets and to manage the simultaneous operation of an active grain terminal through alternating harvest seasons and seasonal high river conditions.
- **Cross Bayou Drainage Structure | USACE - New Orleans District, New Orleans, LA.** Served as the civil engineering lead for a new access road and bridge, and a drainage control structure in St. Charles Parish. The project involved the geometric design of a 6-bay drainage structure capable of passing 1,400 CFS of flow and floodwalls to provide flood protection, as well as a 2-lane bridge and road to provide access to the Cross Bayou Drainage Structure project site. Performed improvement layout and quantity calculations in support of cost estimates and determination of real estate acquisition.
- **St. Bernard Parish Hurricane Flood Protection Engineering Alternatives | USACE - New Orleans District, New Orleans, LA.** Served as the senior civil engineer overseeing the conceptual design of pile-supported concrete floodwalls, and a concrete girder span bridge and associated highway approaches. This phase of the work was to produce an engineering alternative report presenting the engineering design, calculations, construction schedules and cost estimates for several alternatives.
- **Lower Barataria Sediment Diversion | Coastal Protection & Restoration Authority of Louisiana, Baton Rouge, LA.** Served as the civil engineering lead responsible for preparing the conceptual designs, schematic plans, section drawings, and construction cost estimates for a sediment diversion channel and control structure to divert sediment laden water from the Mississippi River below New Orleans into Barataria Bay.
- **Emergency Repairs / Texas Gulf Coast Jetties Design-Build | USACE - Galveston District, Galveston, TX.** Served as the project civil engineer responsible for providing the design for rehabilitation of the entrance jetties at five ship channels along the Texas Gulf Coast. Prepared limited condition assessment reports, final plans and specifications, and quantity estimates in support of this design-build project.

TEC Professional Services Questionnaire

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.

PROJECT NO. 1


Project Name, Location and Owner's contact information:	Firm's Responsibility
<p>Bayou St. John, 7th Ward Fairgrounds Group C Engineering – Construction Administration and Resident Inspection Orleans Parish, LA</p> <p>City of New Orleans Dept. of Public Works Kahlid Saleh Tel: 504 376 0454</p> 	<p>Arcadis is the engineer responsible for the scoping, assignment, preliminary design report, final design, preparation of bid documents and the construction oversight of the Bayou St. John neighborhood Streets Rehabilitation project. The project consists of the evaluation of all FEMA PW-designated repairs for accuracy and completeness, modifying those approved repairs to reflect field conditions. It is also required to identify and justify, providing supporting documentation, additional repairs not identified in the initial PW for consideration by FEMA. Approximately 70% of the repairs identified and justified by Arcadis were deemed eligible by FEMA.</p> <p>The Scoping Report provided by Arcadis was reviewed by DPW and rated as one of the top-performing deliverables. The design coordinates all of the elements necessary to complete sidewalk-to-sidewalk repairs of the street to include coordination of S&WB waterline repairs that are integrated into the neighborhood street repairs, and with ESSA repairs. Arcadis will also develop the preliminary design report to include an engineer's cost estimate. The development of bid documents includes plans, specifications, City of New Orleans terms, conditions, procurement procedures, bid schedule and all items necessary for the documents to comply with State procurement policy.</p> <p>Elements of this project include:</p> <ul style="list-style-type: none"> • Roadway pavement condition assessments • Street reconstruction • Roadway pavements complete with curbs. • Roadway base design and replacement • Subsurface and/or surface drainage systems, water, and sanitary sewer installation • Adjustments as required at driveways and/or at intersecting streets, and transitions • Installation of ramps for the handicapped at intersections, (including medians) • Sidewalk and driveways and other pedestrian surface walkway improvements • Minor curb, gutter, sidewalk, street surface, and other improvements where repair and/ or transition to adjacent improvement is necessary. • Minor drainage modifications and improvements • Final grades compatible with adjacent properties and insuring a positive flow of water towards catch basins • Compliance with the City's General • Specifications for Street Paving and/or the State of Louisiana's Standard Specifications for Roads and Bridges and/or Federal Highway • Administration regulations and/or any other applicable design regulations

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Completion Date (Actual or estimated)	Estimated Cost:	
	Entire Project	Work for which Firm was Responsible
Ongoing (Design: June 2024 Construction Start: November 2024)	\$10M	\$380,000




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PROJECT NO. 2		
Project Name, Location and Owner's contact information:	Firm's Responsibility	
<p>St. Anthony Streets Rehabilitation New Orleans, LA</p> <p>City of New Orleans Dept. of Public Works Kahlid Saleh Tel: 504 376 0454</p> 	<p>In 2005, the City of New Orleans was devastated by Hurricane Katrina. Arcadis was tasked with leading an engineering team as part of a FEMA- funded program to design new infrastructure in the St. Anthony Neighborhood that had been damaged and required repair.</p> <p>Arcadis led an engineering team with the design of streets and sidewalks covering 75 city blocks in the St. Anthony Neighborhood. The project was part of the FEMA-Funded Engineering Pool Recovery Roads Program, part of the Hazard Mitigation Grant Program, a comprehensive recovery strategy to repair Hurricane Katrina related damages on and beneath city managed streets throughout New Orleans. The scope of work included the design of streets and sidewalks repairs that were recommended by the DPW, the development of construction documents including plans, specifications, opinions of probable cost, and contract documents in accordance with the DPW standards. Construction administration and inspection services were also included in the scope of work for this project. Phase 2 of design and includes drainage repairs and green infrastructure design elements as well as the street and sidewalk rehabilitation and reflects the evaluation of all FEMA PW-designated repairs for accuracy and completeness.</p> <p>Arcadis was a key contributor to the design, construction and inspection of new infrastructure within the public right-of-way to help restore the lives of citizens within the St. Anthony Neighborhood following Hurricane Katrina.</p>	
Completion Date (Actual or estimated)	Estimated Cost:	
	Entire Project	Work for which Firm was Responsible
Ongoing (Design: May 2022 Construction: September 2025)	\$33M	\$789,000


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PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Firm's Responsibility	
<p>Gardena Street Rehabilitation Orleans Parish (St. Bernard Ave. to Paris Avenue) New Orleans, LA</p> <p>City of New Orleans Dept. of Public Works Kahlid Saleh Tel: 504 376 0454</p> 	<p>Arcadis was responsible for drainage improvements and the complete street rehabilitation for Gardena Street from St. Bernard Avenue to Paris Avenue (2,500 feet) which included:</p> <ul style="list-style-type: none"> Drainage calculations and design for the surrounding area (approximately 20 acres). Design included runoff determination, inlet sizing and spacing, pipe sizing, and conveyance to the primary trunk drainage in the area. This included a manage drainage approach as to not overwhelm the existing main collection system. Spread calculations. Roadway geometric design. Utility coordination Traffic planning Water and sewer design and relocation - New Orleans Sewer and Water Board Construction Administration and Resident Inspection 	
Completion Date (Actual or estimated)	Estimated Cost:	
	Entire Project	Work for which Firm was Responsible
Professional Services: 2020 Construction: July 2023)	\$7M	\$300,000


TEC Professional Services Questionnaire

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Firm's Responsibility	
<p>Burbank Drive (LA 42) – Highland Road Connector Traffic Signal Analysis and Design East Baton Rouge, LA</p> <p>East Baton Rouge Parish Thomas A. Stephens, PE Tel: 225 389 5310</p> 	<p>The Highland-Burbank Connector is a new proposed roadway connecting Highland Road to Burbank Drive (LA 42). The proposed typical section is a three-lane curb and gutter roadway with sidewalks on both sides. This project would provide a vital link connecting the Highland Road corridor directly to Burbank Drive and would be located approximately one and a half miles east of Lee Drive, midway between Lee Drive and Staring Lane.</p> <p>As a subconsultant, Arcadis performed traffic and signal timing analyses for the design study of this project. The traffic task included the development of design alternatives at new and existing intersections within the study area. Design alternatives utilized innovative intersection types such as restricted crossing U-turn (RCUT) and median U-turn (MUT) and access management strategies to improve safety and operations.</p> <p>The development and comparison of design alternatives considered two potential north-south connections between Highland Road and Burbank Drive including an extension of Kenilworth Parkway and an extension of Seyburn Drive.</p>	
Completion Date (Actual or estimated)	Estimated Cost:	
	Entire Project	Work for which Firm was Responsible
April 2015	\$135,000	\$135,000

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PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Firm's Responsibility	
<p>US 11 Norfolk Southern Railroad Overpass Replacement EA and Line and Grade Study St. Tammany Parish, LA</p> <p>LA Dept of Transportation and Development (LADOTD) Nicholas Olivier, PE Tel: 225 379 1133</p> 	<p>LADOTD contracted Arcadis and its sub-consultants to prepare an Environmental Assessment for the replacement of an historic railroad overpass and the upgrade of the existing undivided highway to a four-lane superstreet in Slidell. The bridge replacement and corridor improvements are aimed at promoting mobility and safety along the corridor.</p> <p>Arcadis performed all engineering services for this task order, including bridge and roadway horizontal and vertical geometric design; railroad track, ballast, and maintenance road design to evaluate clearance requirements with future planned rail additions; 3D design modeling of existing terrain, railroad full-build condition, and bridge and roadway improvements to accurately determine earthwork and construction limits; and, preparation of a comprehensive LADOTD standard pay item construction cost estimate.</p> <p>The design was prepared in accordance with the LADOTD Roadway Design Procedures and Details (March 2012 Revision), and AASHTO's A Policy on Geometric Design of Highways and Streets (2011 Edition, including November 2013 Errata). Five existing intersections were reconfigured as either r-cut intersections or as median U-turn (MUT) intersections to eliminate side street left turns. The corridor was designed to accommodate the WB-67 design vehicle requiring that several loons and truck aprons be provided at U-turns. Vertical geometrics were designed for the main corridor as well as all side streets and a 3D design model were developed to verify that construction limits were accurate, and that low ground clearance at railroad crossings were avoided. Also, the LADOTD Complete Streets policy was followed by implementing Context Sensitive Solutions. The design includes compliant ramps and crosswalks to incorporate the existing sidewalks and accommodate pedestrian traffic. Sufficient space has been included within the roadway border for the future installation, by the City of Slidell, of a multi-use path to accommodate bicyclists. Finally, access to existing businesses was carefully balanced with LADOTD Access Management policy.</p>	
Completion Date (Actual or estimated)	Estimated Cost:	
	Entire Project	Work for which Firm was Responsible
2019 - Traffic Engineering Services Ongoing - EA	\$716,000	\$716,000

TEC Professional Services Questionnaire

PROJECT NO. 6	
Project Name, Location and Owner's contact information:	Firm's Responsibility
<p>Florida Avenue – Traffic Study and Alternative Analysis Orleans and St. Bernard Parishes, LA</p> <p>LA Dept of Transportation and Development Joe Umeozulu Tel: 225 379 1386</p> 	<p>Arcadis was selected to perform the EA of the Florida Avenue corridor in eastern Orleans Parish and St. Bernard Parish. This corridor has been the subject of environmental studies since the late '60s and was originally envisioned as an extension of the interstate system.</p> <p>Construction of an improved bridge crossing linking the lower and upper ninth wards was originally included in the TIMED Program created by the Louisiana Legislature in 1989. However, construction of the bridge was later placed on hold by Louisiana Department of Transportation and Development (LADOTD) due to environmental concerns surrounding the project and the need for further studies.</p> <p>The EA included an Alternatives Screening Analysis based primarily on traffic patterns and transportation utility. At the conclusion of this initial screening, geometric layouts would be created for reasonable alternatives and the preferred alternative. The EA will also include technical memoranda and reporting to classify potential impacts to natural and man-made resources within the study area. These resources included but were not limited to social and economic, historical, and cultural, recreational (Section 4(f)), noise, air, wetlands, floodplains, hazardous materials, and other studies required as part of the NEPA process.</p> <p>The present EA for the Florida Avenue corridor is a continuation of a 2013 feasibility study and carries forward the alternatives described in that document. However, previous studies performed for the Florida Avenue corridor examined alternatives based on design and environmental factors but did not evaluate alternatives from a traffic operations or safety perspective. One of the major components for the scope of work performed by Arcadis was to evaluate the needs of the study area based on transportation utility.</p> <p>The study team proposed a macro-scale model as the ideal tool to assess the transportation utility of each of the alternatives presented in the 2013 feasibility study. The New Orleans Regional Planning Commission (NORPC) provided their travel demand model (TDM), SELATRAM, to Arcadis which was used in a comparative analysis of build scenarios. Transportation planning staff at Arcadis used their knowledge of macro-modeling tools to code alternatives and run them in SELATRAM.</p> <p>Model output is stored in TransCAD format. Arcadis used network attributes such as link flows, vehicle miles travelled (VMT), vehicle hours travelled (VHT), and link speeds to compare the alternatives. Arcadis also employed select link and select zone analysis to determine the relative importance of major components of the projects such as the improved bridge and the proposed extensions to Paris Road and the North-South connector.</p>

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	In addition, general origin-destination travel patterns in the study area were analyzed by utilizing data provided by Streetlight Data. Trip zones were established along with filter areas representing four bridges within the study area. In this way, trip information from zone to zone and data about use of each of the four bridges was analyzed.	
Completion Date (Actual or estimated)	Estimated Cost:	
	Entire Project	Work for which Firm was Responsible
Ongoing	\$2.3M	\$2.3M



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PROJECT NO. 7		
Project Name, Location and Owner's contact information:	Firm's Responsibility	
<p>Elmwood Drive Improvements Jefferson Parish, LA</p> <p>John O'Connor Project Manager Jefferson Parish Capital Projects Email: joconnor@jeffparish.net</p>	<p>Arcadis is responsible for the engineering, design, and the development of constructions documents for procurement of approximately 6 blocks of Elmwood Drive from Kawanee to West Esplanade to include street replacement, repairs, sidewalks, intersection, drainage, water, and sewer replacements.</p> <p>Elements of this project include:</p> <ul style="list-style-type: none"> Roadway pavement condition assessments Street reconstruction Roadway pavements complete with curbs. Roadway base design and replacement Subsurface and/or surface drainage systems, water, and sanitary sewer installation Adjustments as required at driveways and/or at intersecting streets and transitions. Installation of ramps for the handicapped at intersections, (including medians) Sidewalk and driveways and other pedestrian surface walkway improvements Minor curb, gutter, sidewalk, street surface, and other improvements where repair and/ or transition to adjacent improvement are necessary. Integration of drainage modifications and improvements Final grades compatible with adjacent properties and ensuring a positive flow of water towards catch basins. Compliance with Parish Standards Administration regulations and/or any other applicable design regulations 	
Completion Date (Actual or estimated)	Estimated Cost:	
	Entire Project	Work for which Firm was Responsible
Design: June 2022	\$3.5M	\$250,000

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PROJECT NO. 8	
Project Name, Location and Owner's contact information:	Firm's Responsibility
<p>Desire Neighborhood City of New Orleans Dept. of Public Works, LA</p> <p>Khalid L. Saleh, PhD Program Administrator Department of Public Works Email: khsaleh@nola.gov</p>	<p>Arcadis is responsible for the engineering, design, and the development of constructions documents for procurement of approximately 30 blocks of street replacement, repairs, sidewalks, intersection, drainage, water, and sewer replacements.</p> <p>Arcadis is the engineer responsible for the scoping, assignment, preliminary design report, final design, preparation of bid documents and the construction oversight of the Desire neighborhood Streets Rehabilitation project. The project consists of the evaluation of all FEMA PW-designated repairs for accuracy and completeness, modifying those approved repairs to reflect field conditions. It is also required to identify and justify, providing supporting documentation, additional repairs not identified in the initial PW for consideration by FEMA. Approximately 70% of the repairs identified and justified by Arcadis were deemed eligible by FEMA.</p> <p>The Scoping Report provided by Arcadis was reviewed by DPW and rated as one of the top-performing deliverables. The design coordinates all of the elements necessary to complete sidewalk-to-sidewalk repairs of the street to include coordination of S&WB waterline repairs that are integrated into the neighborhood street repairs, and with ESSA repairs. Arcadis will also development the preliminary design report to include an engineer's cost estimate. The development of bid documents includes plans, specifications, City of New Orleans terms, conditions, procurement procedures, bid schedule and all items necessary for the documents to comply with State procurement policy.</p> <p>Elements of this project include:</p> <ul style="list-style-type: none"> • Roadway pavement condition assessments • Street reconstruction • Roadway pavements complete with curbs. • Roadway base design and replacement • Subsurface and/or surface drainage systems, water, and sanitary sewer installation • Adjustments as required at driveways and/or at intersecting streets and transitions. • Installation of ramps for the handicapped at intersections, (including medians) • Sidewalk and driveways and other pedestrian surface walkway improvements • Minor curb, gutter, sidewalk, street surface, and other improvements where repair and/ or transition to adjacent improvement are necessary. • Minor drainage modifications and improvements • Final grades compatible with adjacent properties and ensuring a positive flow of water towards catch basins. • Compliance with the City's General • Specifications for Street Paving and/or the State of Louisiana's • Standard Specifications for Roads and Bridges and/or Federal Highway

TEC Professional Services Questionnaire

	<ul style="list-style-type: none">Administration regulations and/or any other applicable design regulations	
Completion Date (Actual or estimated)	Estimated Cost:	
	Entire Project	Work for which Firm was Responsible
Design: Ongoing (July 2025 estimated)	\$3.5M	\$650,000



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M. List all prior and/or on-going litigation between Firm and Jefferson Parish. Please attach additional pages if necessary.

Parties		Status/Result of Case
Plaintiff	Defendant	
1. Arcadis U.S., Inc. has no litigation with the client, Jefferson Parish		
2.		
3.		
4.		

N. Use this space to provide any additional information or description of resources supporting Firm's qualifications for the proposed project.

Introduction to Arcadis

Arcadis has more than a century-long history of consulting with a concentration on water and the environment. We are devoted exclusively to water and wastewater engineering and management consulting to enhance the performance of public and private organizations in meeting their environmental responsibilities.

Arcadis is an international leader in the fields of infrastructure, environment and buildings. The firm's multidisciplinary staff provides consulting, design, engineering and management services across the U.S. and around the world to enhance mobility, sustainability and quality of life.

Traffic Engineering Consulting

Arcadis' traffic engineering expertise is diverse and includes recent experience with intelligent transportation system (ITS) technologies, traffic-calming measures and traffic control systems. We effectively analyze complex traffic flow conditions in a grid network. A combination of traffic simulation, signal phasing and timing strategies is used to develop and implement solutions to traffic flow problems. We use traffic engineering software such as TRAF-NETSIM (CORSIM), SYNCHRO, VISSIM, SIDRA and HCS to aid us conducting traffic engineering studies, transportation planning (macro and micro-simulation modeling), performance evaluation studies, traffic safety analysis, access management studies, traffic control system design, intelligent transportation systems (ITS) planning, design, integration and analyzing traffic flow to develop signal timing plans.

We have extensive experience working on multimodal projects in all phases, from planning to final design. Arcadis has been involved in numerous multimodal planning studies, which have encompassed a variety of projects from system-level bicycle and pedestrian plans to examining the benefits of circulator bus systems in business areas. We have also participated in many environmental planning studies for sidewalks and bicycle lanes in both urban and rural areas.

Additionally, Arcadis has assisted numerous clients in the analysis of bicycle, pedestrian, and transit facilities, including modeling for streetcars and examining the impacts of bus stops on arterials. The Arcadis team has experts in all modes of surface transportation and these experts work together daily to deliver projects which address the needs of all modes of transportation.

We routinely provide roadway, pavement marking layouts and roadway sign layouts to various DOTs, government agencies (including FHWA-EFLHD) and municipalities throughout the United States. Our team brings vast expertise to the DPW and we have the knowledge and understanding of your project development process. In addition, we have experience developing new roadway standards and guidelines to streamline the design and construction process, saving valuable dollars and delivering projects efficiently. We are supported

TEC Professional Services Questionnaire

by the latest technologies and computer equipment with a full range of software, including AutoCAD and Civil3D and the entire suite of Autodesk Software. Our staff is experienced in cost-effective project development and management using the latest available software. Our engineers and CADD personnel are highly experienced in CADD utilization and output and are proficient in using state and local DOT.

Consistent Focus on Value to the Client

Our clients tell us that they want a consulting relationship that offers several key advantages:

- Specialized knowledge of issues that affect the client's particular organization, not generalized, broad-brush consulting or a narrow project focus
- Project staff who pay attention to the client's unique needs, can adapt to local situations and promote trust and confidence
- Consistent effort to develop a relationship with the client and act in the client's best interests

Arcadis places the utmost priority on meeting these requirements to build strong partnerships with our clients across our entire wide range of service offerings.

We take a "total systems" approach to the array of challenges that our client faces. We begin by assembling the right team from the staff of our national practice, supplemented as needed with the specialized expertise of our many associate individuals and firms. We maintain a strong focus on implementation throughout the team selection process so that individuals with the appropriate expertise are involved from the start. The project team considers all aspects of the client's organization from management to infrastructure, processes, operations and maintenance. Participation of the appropriate experts facilitates the smooth progress of the project from initial assessment through implementation of the optimal solutions.

Past Performance on Similar Projects

To the best of our knowledge, Arcadis has not been removed from a contract or failed to complete a contract as assigned, due to time delays, cost overruns and/or design inadequacies in prior projects for which Arcadis was to be held at fault.

A challenging economy means now, more than ever, we must focus on delivering excellence from day one of every assignment. Tight budgets mean limited resources to change directions or correct mistakes. We understand that it isn't just what we deliver – how we get there matters, too. That is why we will continue to clearly define your expectations for every project and then work efficiently to exceed them. We prefer to develop a complete scope of work, plan the work carefully, price the scope appropriately and then manage the project to meet the schedule and budget. We do not like to request change orders. We focus instead on delivering excellence on every project and doing so with great efficiency.

Information/Data Management System

Arcadis understands that consultant-client communication is of utmost importance to our clients. We have successfully tracked the status of countless projects, while delivering exceptional results to our clients. The Information/Data Management System (IDMS) tool, a web-based project status reporting and information sharing tool, allows Arcadis to post updates to task assignments and share documents with clients in real time.

In addition, the IDMS serves as a digital liaison among all parties in work authorization contracts involving multiple assignments for project managers. The capabilities of the IDMS allow user settings to be customized based upon the level of the staff member and, in turn, provides for consistent data input. Anyone assigned viewing permission by the IDMS administrator will be also assigned a tier of user authority. By assigning these tiers, we protect site security and integrity. Tier authorizations vary from read-only to data uploading/downloading and commenting.

These functions centralize data stewardship while maximizing data accuracy, staff communication and work efficiency.

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Document Tracking and Control

Arcadis uses Primavera Expedition® software for document control of City projects. Document control is critical on assignments and this software offers exceptional capabilities for filing, document control, document tracking and reporting.

The Arcadis Team

Your local office. The Metairie, LA office will perform any services requested by the Parish of Jefferson, LA.

Arcadis U.S., Inc.
3850 North Causeway Boulevard
Suite 990
Metairie, LA 70002
Phone: 504 832 4174
www.arcadis.com
Project Manager: Ayan Mehrotra, PE

National Resources/Size of Firm

With more than 150 offices and 5,000 employees nationwide, Arcadis has the depth of resources from which to complement the local Metairie, LA office as-needed. The Arcadis Team has a water focused practice both locally and nationally that has a full breadth of wastewater and sewer utility engineers, designers and operations professionals. The Metairie office is a full service engineering & design office located in the heart off Jefferson parish. This office, in addition to being an industry provider of water resources engineering projects, managed and delivered \$2 billion of engineering and design for the USACE for the Hurricane Protection Office for levees, floodwalls and flood control structures in St. Bernard, Plaquemines, Orleans and Jefferson Parishes.

In addition to the Metairie location, the Arcadis Team has office in New Orleans and Baton Rouge that can support the Metairie location as-needed.

Scheduling and Capacity

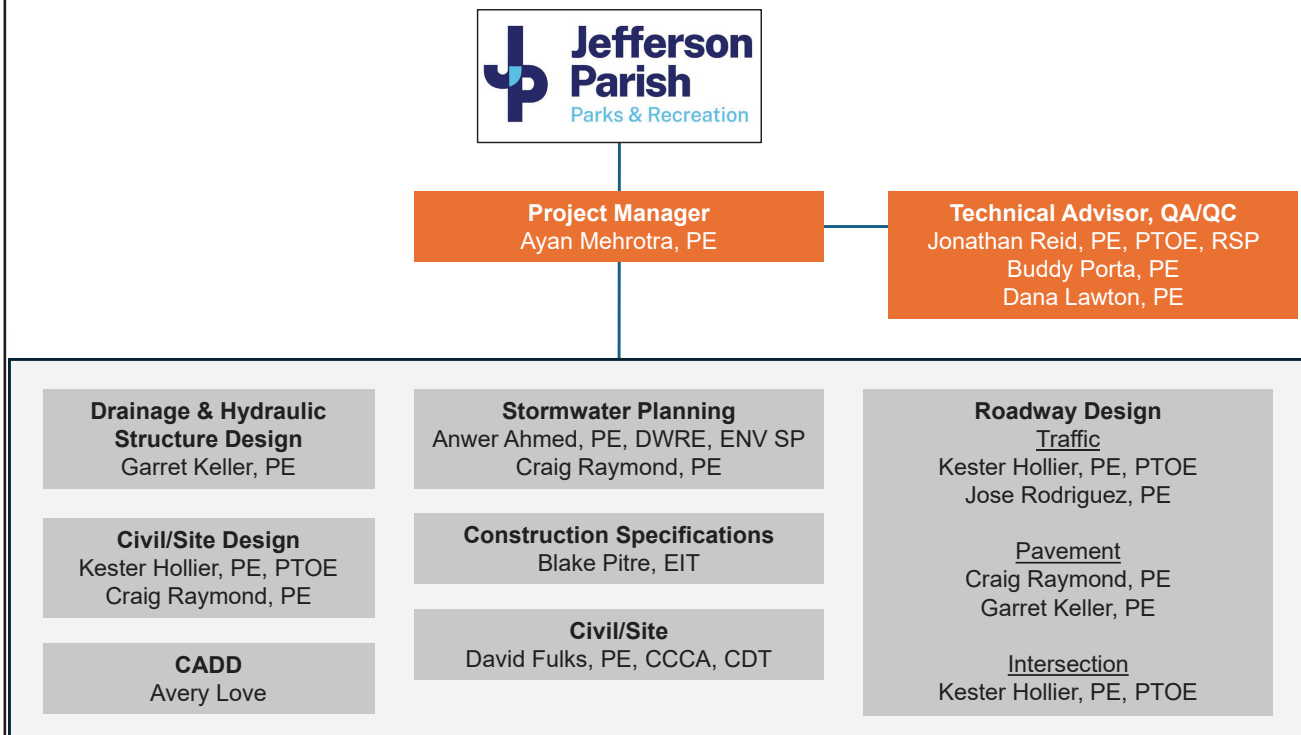
Arcadis team members consistently and effectively complete multiple work orders simultaneously on-time. With a large pool of professionals both locally and nationally to pull from, we have the ability to perform your project efficiently and effectively no matter the circumstance. Throughout the region, the Arcadis Team has a number of water resources professionals that have specific expertise to support Jefferson Parish in all of the areas required to run a world-class wastewater and sewer utility. Critical to any project's success is the ability to meet deadlines and schedules, with the appropriate staff availability. Arcadis has a proven project management protocol to track work authorization progress at every level. As a result, we enjoy a reputation that matches or exceeds that of any firm in the industry for completing work authorizations on schedule. This is the approach that delivered more than \$2 billion in projects for the USACE over the past 7 years.

Arcadis uses Primavera® Project Planner (P6), SureTrak® Project Manager and Microsoft Project®, as appropriate, for planning and scheduling projects. We will select the application that is most appropriate for the task, leading to a consistent level of success and deadlines. Arcadis establishes scheduling measures as part of every project to provide a consistent level of success. Our project planning process involves dividing the scope of services into smaller, well-defined and more manageable elements. Through the use of a Work Breakdown Structure (WBS), these services can be illustrated and used in a manner that promotes organization and effective communication in order to succeed in a project.

TEC Professional Services Questionnaire

Organization Chart

The proposed organizational chart for the team is shown below.



Quality Assurance / Quality Control

Whether performing design work under a task order or serving Jefferson Parish as an owner's representative, QA/QC is a critical aspect of our work under this contract. QA/QC is the ultimate responsibility of the local project manager on each project under this contract. It will be the Arcadis management team's responsibility to make certain that the proper people are conducting quality reviews.

QA/QC reviews can take several forms, including:

- Quality Assurance Reviews
- Quality Control Reviews
- Executive Project Reviews

The extent and type of project reviews will be defined in the Project Plan for each task order according to the nature, size and complexity of the project.

Quality Assurance Reviews

Quality Assurance Reviews are performed by the Quality Consultants to assist the team in producing the deliverable. These Reviews should be performed early in the project or their impact is lost. Reviews performed early also minimize cost to the project as input at this stage can provide direction without significant re-work.

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Quality Control Reviews

Quality Control Reviews are the responsibility of every person involved on a project. At a minimum, every product or deliverable must be reviewed by the Project Officer and/or Project Manager before submittal.

Executive Project Reviews

Executive Project Reviews are project reviews where technical and business representatives audit a project to help improve team performance. These reviews help us identify good performance and needed improvements in the firm's processes and systems

Health & Safety

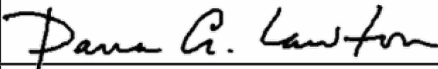
Arcadis has developed and currently implements a comprehensive health and safety (H&S) program and management system, focused on proactive project planning and identification and assessment of job hazards early in the planning and design stage. Appropriate controls are then determined and implemented to prevent and eliminate said hazards. Once a task or activity starts, the project team has the tools and processes necessary to address changing situations to stay ahead of hazards and prevent adverse impacts. Arcadis project teams have successfully applied these tools to maintain a high degree of operational safety in a variety of environments including terminals and refineries.

In addition to maintaining a strong internal safety program, Arcadis also addresses the H&S needs of our clients by offering on-site health and safety oversight. Whether it be on-site construction or remediation sites, or the development of an H&S management system, our staff can effectively handle a wide range of H&S needs. Our H&S staff has oil and gas industry experience and includes Certified Industrial Hygienists (CIH) and Certified Safety Professionals (CSP).

Arcadis teaches and uses the TRACK method to reduce or eliminate Health & Safety incidences. Think through the task, Recognize the hazards, Assess the risks, Control the hazards, Keep health and safety first in all things.

O. To the best of my knowledge, the foregoing is an accurate statement of facts.

Signature



Print Name

Dana Lawton, PE

Title

Senior Vice President

Date

July 16, 2024

Statement of Qualifications

AFFIDAVIT

STATE OF Louisiana

PARISH/COUNTY OF ORLEANS

BEFORE ME, the undersigned authority, personally came and appeared: Seth Magden
_____, (Affiant) who after being by me duly sworn, deposed and said that
he/she is the fully authorized Principal of Arcadis U.S., Inc. (Entity),
the party who submitted a Statement of Qualifications (SOQ) to SOQ 24-021 Routine Engineering
Services for Streets Projects (Briefly describe the services the SOQ will cover), to the Parish
of Jefferson.

Affiant further said:

Campaign Contribution Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

Choice B X there are **NO** campaign contributions made which would require disclosure under Choice A of this section.

Affiant further said:

Debt Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the Parish to the Affiant.

Choice B X There are **NO** debts which would require disclosure under Choice A of this section.

Affiant further said:

Solicitation of Campaign Contribution Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all elected officials of the Parish of Jefferson, whether still holding office at the time of the affidavit or not, where the elected official, individually, either by **telephone or by personal contact**, solicited a campaign contribution or other monetary consideration from the Entity, including the Entity's officers, directors and owners, and employees owning twenty-five percent (25%) or more of the Entity, during the two-year period immediately preceding the date the affidavit is signed. Further, to the extent known to the Affiant, the date of any such solicitation is included on the attached list.

Choice B X there are **NO** solicitations for campaign contributions which would require disclosure under Choice A of this section.

Affiant further said:

Subcontractor Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Affiant further said that attached is a listing of all subcontractors, excluding full time employees, who may assist in providing professional services for the aforementioned SOQ.


Choice B X There are **NO** subcontractors which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

[The remainder of this page is intentionally left blank.]

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.



Signature of Affiant

Seth Magden

Printed Name of Affiant

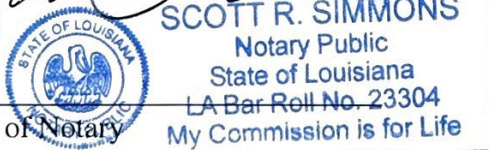
SWORN AND SUBSCRIBED TO BEFORE ME

ON THE 9TH DAY OF July, 2024



Notary Public

Printed Name of Notary



Notary/Bar Roll Number

My commission expires _____.



CERTIFICATE OF LIABILITY INSURANCE

DATE(MM/DD/YYYY)
05/17/2024

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Aon Risk Services South, Inc. Franklin TN office 501 Corporate Centre Drive Suite 300 Franklin TN 37067 USA	CONTACT NAME:	
	PHONE (A/C. No. Ext): (866) 283-7122	FAX (A/C. No.): (800) 363-0105
INSURED Arcadis U.S., Inc. 630 Plaza Drive Suite 200 Highlands Ranch CO 80129 USA	E-MAIL ADDRESS:	
	INSURER(S) AFFORDING COVERAGE	
	NAIC #	
	INSURER A: Indian Harbor Insurance Company	36940
	INSURER B:	
	INSURER C:	
	INSURER D:	
INSURER E:		
INSURER F:		

COVERAGES

CERTIFICATE NUMBER: 570105766919

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

Limits shown are as requested

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:						EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS ONLY						COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)
	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input type="checkbox"/> RETENTION						EACH OCCURRENCE AGGREGATE
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR / PARTNER / EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below Y / N <input type="checkbox"/> N / A						PER STATUTE <input type="checkbox"/> OTHER <input type="checkbox"/> E.L. EACH ACCIDENT E.L. DISEASE-EA EMPLOYEE E.L. DISEASE-POLICY LIMIT
A	Contractors Pollution Liability			US00101061E024A Professional & Pollution SIR applies per policy terms & conditions	06/01/2024	06/01/2025	Each Claim Annual Aggregate \$2,000,000 \$2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Evidence of Insurance. For Professional Liability coverage, the Aggregate Limit is the total insurance available for claims presented within the policy period for all operations of the insured. The Limit will be reduced by payments of indemnity and expense.

CERTIFICATE HOLDER**CANCELLATION**

Arcadis U.S., Inc. 630 Plaza Drive, Suite 200 Highlands Ranch CO 80129 USA	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE <i>Aon Risk Services South Inc</i>

Holder Identifier :

Certificate No : 570105766919



ADDITIONAL REMARKS SCHEDULE

Page _ of _

AGENCY Aon Risk Services South, Inc.		NAMED INSURED Arcadis U.S., Inc.	
POLICY NUMBER See Certificate Number: 570105766919			
CARRIER See Certificate Number: 570105766919	NAIC CODE	EFFECTIVE DATE:	

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,
FORM NUMBER: ACORD 25 FORM TITLE: Certificate of Liability Insurance

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER	
INSURER	
INSURER	
INSURER	

ADDITIONAL POLICIES

If a policy below does not include limit information, refer to the corresponding policy on the ACORD certificate form for policy limits.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YYYY)	POLICY EXPIRATION DATE (MM/DD/YYYY)	LIMITS
	OTHER						
	Claims-Made						
	Professional Liability						
	and Contractors						
	Pollution Liability						



CERTIFICATE OF LIABILITY INSURANCE

DATE(MM/DD/YYYY)
09/25/2023

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Aon Risk Services South, Inc. Franklin TN Office 501 Corporate Centre Drive Suite 300 Franklin TN 37067 USA	CONTACT NAME:	
	PHONE (A/C. No. Ext): (866) 283-7122	FAX (A/C. No.): 800-363-0105
INSURED Arcadis U.S., Inc. 630 Plaza Drive Suite 200 Highlands Ranch CO 80129 USA	E-MAIL ADDRESS:	
	INSURER(S) AFFORDING COVERAGE	
	NAIC #	
	INSURER A: Twin City Fire Insurance Company	
	29459	
	INSURER B: Hartford Fire Insurance Co.	
	19682	
INSURER C: Hartford Casualty Insurance Co		
29424		
INSURER D: Hartford Accident & Indemnity Company		
22357		
INSURER E:		
INSURER F:		

Holder Identifier :

COVERAGES**CERTIFICATE NUMBER:** 570101700819**REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

Limits shown are as requested

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY			20ECS05318 SIR applies per policy terms & conditions	10/01/2023	10/01/2024	EACH OCCURRENCE	\$1,000,000
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	\$1,000,000
	<input checked="" type="checkbox"/> Contractual Liability						MED EXP (Any one person)	\$10,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						PERSONAL & ADV INJURY	\$1,000,000
	<input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC						GENERAL AGGREGATE	\$2,000,000
	OTHER:						PRODUCTS - COMP/OP AGG	\$2,000,000
B	AUTOMOBILE LIABILITY			20 UEN 0L5319	10/01/2023	10/01/2024	COMBINED SINGLE LIMIT (Ea accident)	\$1,000,000
	<input checked="" type="checkbox"/> ANY AUTO						BODILY INJURY (Per person)	
	<input type="checkbox"/> OWNED AUTOS ONLY	<input type="checkbox"/> SCHEDULED AUTOS					BODILY INJURY (Per accident)	
	<input type="checkbox"/> HIRED AUTOS ONLY	<input type="checkbox"/> NON-OWNED AUTOS ONLY					PROPERTY DAMAGE (Per accident)	
C	<input checked="" type="checkbox"/> UMBRELLA LIAB	<input checked="" type="checkbox"/> OCCUR		20XHUOL5322	10/01/2023	10/01/2024	EACH OCCURRENCE	\$5,000,000
	<input type="checkbox"/> EXCESS LIAB	<input type="checkbox"/> CLAIMS-MADE					AGGREGATE	\$5,000,000
	DED <input checked="" type="checkbox"/> RETENTION \$10,000							
D A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	N/A	20WNOL5323 AOS 20WPROL5321 MA, WI	10/01/2023	10/01/2024	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER	
	ANY PROPRIETOR / PARTNER / EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)						E.L. EACH ACCIDENT	\$1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE-EA EMPLOYEE	\$1,000,000
							E.L. DISEASE-POLICY LIMIT	\$1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
Evidence of Insurance.

CERTIFICATE HOLDER**CANCELLATION**

Arcadis U.S., Inc. 630 Plaza Drive, Suite 200 Highlands Ranch CO 80129 USA	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE <i>Aon Risk Services South Inc.</i>

Certificate No : 570101700819

About Arcadis

Arcadis is the leading global Design & Consultancy firm for natural and built assets. Applying our deep market sector insights and collective design, consultancy, engineering, project and management services we work in partnership with our clients to deliver exceptional and sustainable outcomes throughout the lifecycle of their natural and built assets. We are more than 36,000 people, active in over 30 countries that generate \$6.5 billion in revenues. We support UN-Habitat with knowledge and expertise to improve the quality of life in rapidly growing cities around the world.

www.arcadis.com

Supporting our clients in their quest to become Fit-for-Future.

Utilities must plan for unprecedented scenarios while navigating a changing workforce, but where should leaders focus?

Use the QR code below to explore the five fundamentals of becoming a fit-for-future water utility and the common thread that unites them.



Arcadis. Improving quality of life