

Statement of Qualifications



Program Management Services
for the Traffic Operations and Safety Program

RFQ-484-012116 – Contract 2
Phase I Response



1. Basic Company Information

- a. *Company Name:* Jacobs Engineering Group Inc.
- b. *Company Headquarter Address:* 155 North Lake Avenue, Pasadena, California 91101
- c. *Name and Contact Information:* Derrick Vincent, PE
10 Tenth Street, Suite 1400, Atlanta, GA 30309
404.978.7587
Derrick.Vincent@jacobs.com
- d. *Company Website:* www.jacobs.com

<i>e. Georgia Addresses</i>		<i>f. Staff</i>
Atlanta, Georgia (248 employees)	10 Tenth Street Suite 1400 Atlanta, GA 30309 (formerly located at 6801 Governors Lake Parkway, Norcross, GA 30071)	1 – Architect 14 – Civil Engineers 4 – Communications/Public Involvement 31 – Consultants 9 – Construction Manager/Inspectors 2 – Contract Specifications 3 – Cost Control/Scheduling 5 – Designers 4 – Electrical Engineers 12 – Environmental Engineers 7 – Environmental Scientists 3 – Geologists 2 – Geotechnical Engineers 3 – GIS Specialist 15 – Landscape Architects 51 – Manager/Administrative 1 – Mechanical Engineer 21 – Other 3 – Quality Control 1 – Structural Engineers 2 – Surveyors 14 – Traffic Engineers 15 – Transportation Engineers 3 – Tunnel Engineers 5 – Urban Planner 7 – Transportation Planners 10 – Water Resources Engineers
Acworth, Georgia (84 employees)	5449 Bells Ferry Road Acworth, GA 30102	12 – Program Managers 10 – Construction Managers 14 – Structural Engineers 5 – Civil Engineers 16 – Cad Specialists 15 – Real Estate Services 12 – Support Personnel

McDonough, Georgia (9 employees)	46 Liberty Industrial Parkway McDonough, GA 30253	7 – Land Surveyors 2 – Manager/Administrative
Staff Assigned to Metro Atlanta Client Locations (104 employees)	Various locations	10 – Administrative 90 – Construction Managers/Inspectors 4 – Program Managers

- g. *Form of Ownership:* Corporation
State of Incorporation: Delaware
Number of Years in Business: 68

**EXHIBIT II
CERTIFICATION FORM**

I, Thomas J. Meinhart _____, being duly sworn, state that I am Vice President _____ (title) of _____

Jacobs Engineering Group Inc. _____ (firm) and hereby duly certify that I have read and understand the information presented in the attached proposal and any enclosure and exhibits thereto.

Initial each box below indicating certification. The person initialing must be the same person who signs the Certification Form. (If unable to initial any box for any reason, place an "X" in the applicable box and attach a statement explaining the non-certification. The Department will review and make a determination as to whether or not the firm shall be considered further or disqualified).

I further certify that to the best of my knowledge the information given in response to the Request for Qualifications is full, complete and truthful.

I further certify that the submitting firm and any principal employee of the submitting firm has not, in the immediately preceding five (5) years, been convicted of any crime of moral turpitude or any felony offense, nor has had their professional license suspended, revoked or been subjected to disciplinary proceedings, nor is any team members/principals currently under indictment for any reason related to actions on public infrastructure projects.

I further certify that I understand that Firms included on the current Federal list of firms suspended or debarred are not eligible for selection and that the submitting firm has not, in the immediately preceding five (5) years, been suspended or debarred from contracting with any federal, state or local government agency, and further, that the submitting firm is not now under consideration for suspension or debarment from any such agency.

I further certify that the submitting firm has not in the immediately preceding five (5) years been defaulted in any federal, state or local government agency contract and further, that the submitting firm is not now under any notice of intent to default on any such contract, nor has been removed from a contract or failed to complete a contract as assigned due to cause or default.

X I further certify that the firm or any affiliate(s) has not been involved in any arbitration, litigation, mediation, dispute review board or other dispute resolution proceeding with a client, business partner, or government agency in the last five (5) years involving an amount in excess of \$500,000 related to performance on public infrastructure projects. See Attachment A.

I further certify that there are not any pending regulatory inquiries that could impact our ability to provide services if we are the selected consultant.

I further certify that there are no possible conflicts of interest created by our consideration in the selection process or by our involvement in the project.

I further certify that the submitting firm's annual average revenue for the past five (5) years is sufficient to allow the services to be delivered effectively by our firm and that there are no trends in the revenue which may be concerning other than normal market fluctuations.

- I further certify that in regards to Audit and Accounting System Requirements, that the submitting firm:
- I. Has an accounting system in place to meet requirements of 48 CFR Part 31 and, in the case of non-profit organizations, OMB Circular A-122.
 - II. Has submitted its yearly Certified Public Accountant overhead audit if it currently has an aggregate contract amount exceeding \$250,000.
 - III. Has no significant outstanding deficient audit findings from previous contracts with GDOT that have not been resolved.
 - IV. Is responsible for being reasonably assured that all sub-consultant(s) presented as a part of the proposed team are similarly in compliance with the above requirements.

I acknowledge, agree and authorize, and certify that the proposer acknowledges, agrees and authorizes, that GDOT may, by means that either deems appropriate, determine the accuracy and truth of the information provided by the proposer and that the GDOT may contact any individual or entity named in the Statement of Qualifications for the purpose of verifying the information supplied therein.

I acknowledge and agree that all of the information contained in the Statement of Qualifications is submitted for the express purpose of inducing the GDOT to award a contract.

A material false statement or omission made in conjunction with this proposal is sufficient cause for suspension or debarment from further contracts, or denial or rescission of any contract entered into based upon this proposal thereby precluding the firm from doing business with, or performing work for, the State of Georgia. In addition, such false statement or omission may subject the person and entity making the proposal to criminal prosecution under the laws of the State of Georgia of the United States, including but not limited to O.C.G.A. §16-10-20, 18 U.S.C. §§1001 or 1341.

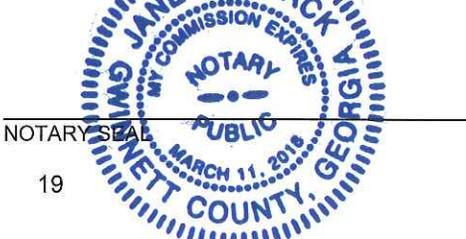
Sworn and subscribed before me

This 11th day of January 2016.

Janet Womack
NOTARY PUBLIC

My Commission Expires: March 11, 2018

Thomas J. Meinhart
Signature



Attachment A

The Submitting Firm, Jacobs Engineering Group Inc., and its subsidiaries form an organization that is comprised of approximately 125 operating companies and affiliates, having a total current employment complement of over 60,000 persons and revenues of approximately \$11 billion. From time to time and in the ordinary course of its business, the Company is subject to various claims, disputes, terminations, arbitrations, and other legal proceedings. It is the Company's practice to vigorously defend itself in such actions, many of which are generally subject to insurance and none of which are expected to have a materially adverse effect on the Company's consolidated financial statements.

EXHIBIT III

GEORGIA SECURITY AND IMMIGRATION COMPLIANCE ACT AFFIDAVIT

Consultant's Name:	Jacobs Engineering Group Inc.
Address:	10 Tenth Street, Suite 1400, Atlanta, GA 30309
Solicitation No./Contract No.:	<u>RFQ-484- 012116</u>
Solicitation/Contract Name:	<u>Bridge Program Management/Traffic Operations and Safety Program Management Services</u>

CONSULTANT AFFIDAVIT

By executing this affidavit, the undersigned Consultant verifies its compliance with O.C.G.A. § 13-10-91, stating affirmatively that the individual, entity or corporation which is engaged in the physical performance of services on behalf of the Georgia Department of Transportation has registered with, is authorized to use and uses the federal work authorization program commonly known as E-Verify, or any subsequent replacement program, in accordance with the applicable provisions and deadlines established in O.C.G.A. § 13-10-91.

Furthermore, the undersigned Consultant will continue to use the federal work authorization program throughout the contract period and the undersigned Consultant will contract for the physical performance of services in satisfaction of such contract only with sub-consultants who present an affidavit to the Consultant with the information required by O.C.G.A. § 13-10-91(b). Consultant hereby attests that its federal work authorization user identification number and date of authorization are as follows:

212531
Federal Work Authorization User Identification Number
(EEV/E-Verify Company Identification Number)

June 19, 2009
Date of Authorization

Jacobs Engineering Group Inc.
Name of Consultant

I hereby declare under penalty of perjury that the foregoing is true and correct

Thomas J. Meinhart
Printed Name (of Authorized Officer or Agent of Consultant)

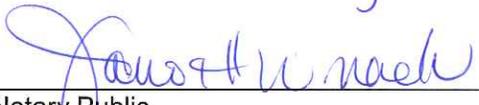
Vice President
Title (of Authorized Officer or Agent of Consultant)


Signature (of Authorized Officer or Agent)

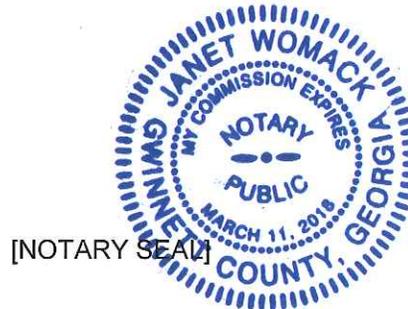
1/11/16
Date Signed

SUBSCRIBED AND SWORN BEFORE ME ON THIS THE

11th DAY OF January, 2016


Notary Public

My Commission Expires: March 11, 2018



[NOTARY SEAL]

ADDENDUM NO. 1

ISSUE DATE: 1/8/2016

This Addendum shall become and form a part of the RFQ for:

RFQ 484- 012116 – Bridge / Traffic Operation & Safety Program Management Services

NOTE: PLEASE REVIEW CAREFULLY! THERE MAYBE CHANGES TO THE INFORMATION TO BE PROVIDED. FAILURE TO ADHERE TO ANY CHANGES ADDRESSED IN THIS ADDENDUM MAY RESULT IN DISQUALIFICATION.

In the event of a conflict between previously released information and the information contained herein, the latter shall control.

NOTE: A signed acknowledgment of this addendum (this page) MUST be attached to your SUBMITTAL for Phase I.

Firm Name Jacobs Engineering Group Inc.

Signature  Date 1/11/16

Typed Name and Title Thomas J. Meinhart, Vice President

Georgia Department of Transportation (GDOT)
Office of Transportation Services Procurement
One Georgia Center
600 West Peachtree Street, NW
19th Floor
Atlanta, Georgia 30308

This Addendum, including all questions and answers, shall become and form a part of the original RFQ package and shall be taken into account when preparing your proposal.

The purpose of this addendum is to provide the answers to the written questions received during the question and answer period of the RFQ Phase as follows:

I. Questions and Answers:

	Questions	Answers
1.	Item C.1.d. (page 8) – Identify additional resources indicates that we are allowed to provide one additional resume of our choosing. Is this resume allowed to be one page IN ADDITION to the one page allowed for Items C.1.b and c.? Thus Section C – Additional Resources and Challenges would include our organization chart, one page describing our Primary Office and Narrative on Additional Resource Areas and Ability, and one page for the resume of our additional resource.	Yes, The organization chart is excluded in the page count. C. 1.b and c is 1 (one) page. Also, 1.d is 1 (one) page. See revised Attachment 1 below.
2.	Section 1.A. on page 2 states “The Georgia Department of Transportation (GDOT) is soliciting SOQs from qualified firms to provide On-Call Environmental for State Funded Services. The resulting contracts may only be used for services which are 100% state funded.” <u>Please clarify whether this RFQ is for Environmental Services and whether this contract is limited to only state funding.</u>	See addendum below.

1. Program Manager – Derrick Vincent, PE

a. Education MBA, Georgia State University (2010); Bachelor of Civil Engineering, Auburn University (1999)

b. Registration Registered Professional Engineer, GA (#031155), SC, TX, AL, FL

c. Relevant Engineering Experience

Derrick Vincent brings a broad set of talents and enthusiasm that make him your best choice to lead this important contract. He is skilled in managing transportation-related program management projects as well as design projects. He has spent his entire career in transportation infrastructure, working as an engineer, contractor, design-builder, construction manager and project manager.

Derrick has extensive experience with managing on-call contracts across Georgia, including those with the City of Atlanta, Fulton County and Whitfield County. As manager of these contracts, Derrick has been responsible for contract management, change management, quality assurance, resource allocation, conflict resolution, scoping, budgeting, scheduling, risk analysis, and negotiations.

Derrick currently serves as the Highway Department Manager for the Atlanta office, consistently utilizing skills that are imperative to effectively managing an on-call contract, including:

Delegation of Work: As projects or tasks are received, Derrick delegates the work based upon subject matter, complexity, and schedule milestones. He ensures that tasks are assigned to those with the necessary experience and availability for completion. Should resources need to be reallocated for these reasons, Derrick is adept at making sure the appropriate changes are made and all tasks are completed while delivering a quality product with the aid of a work load forecasting tool that includes all projects, personnel, and milestones.

Ability to Multi-task: A contract of this magnitude will require the project manager to be able to discern which task deserves priority and when to shift focus from execution to forecasting. As Highway Department Manager, Derrick is responsible for finances, personnel, project performance, forecasting, and quality. These skills allow him to easily maneuver between the various functions that are required to be responsive to your needs.

Determination of Resources: It is important to evaluate resources quickly. Our team has tremendous bench strength because there will be occasions when additional staffing provides the most effective solution. Derrick will quickly tap into our bench to accommodate such requests. This will be a simple exercise as he will always monitor the team's availability and capability using specific technical tools and processes. This quick decision ensures time is not lost due to lack of resources. If it becomes necessary for our team to be embedded at the GDOT office, Derrick will still be responsible for all resources. During the last year, Derrick has had employees working in other locations throughout the country including Baltimore, Orlando, and Tampa. He was still able to monitor their availability and keep everyone informed of events in the local office.

Management of Concurrent Task Orders: Through careful monitoring of resources and schedule, Derrick will be able to effectively manage concurrent task orders. Multiple task orders will not be managed as if in a silo; however, they will be managed as if they are part of an overall program. This minimizes conflicts and promotes an atmosphere conducive to effective teaming.

Procurement: Derrick has experience in the procurement process. He has been involved in all aspects and understands the importance of submitting all documents (contracts, scope, manhours, certified payroll, Georgia Department of Transportation (GDOT) spreadsheets with rates, approved hours, current overhead, and current FCCM rate) in a timely manner.

Communication: A key component to an effectively managed contract is communication. Derrick will be the single point of contact with GDOT and will communicate with GDOT on a scheduled basis to update on progress. Should issues arise, as project manager Derrick will notify necessary stakeholders and gather consensus on a path forward. As part of Derrick's discussion with stakeholders, he will identify the issues and explain impacts to schedule and budget of each possible solution.

Problem Solving: This regional contract will require interaction with several agencies. Derrick has shown his ability to manage a project that requires coordination with multiple agencies. Throughout execution of the HOV to HOT conversion, he coordinated with GDOT, FHWA, SRTA, the contractor and subcontractors. Derrick's involvement included environmental justice activities, public information meetings, plan reviews, and construction services. Also during this project, Derrick was instrumental in resolving an issue that negatively impacted GRTA buses. During the initial stages of the project, a traffic analysis determined where access points for the HOT lane should be placed. Once the lanes were open to traffic, numerous complaints were made about the routes that GRTA buses had to take to enter the HOT lane. They had to travel north to go south or travel southbound on surface streets for longer distances.

Both routes increased travel time tremendously. Derrick led the team in providing an additional access point in the southbound direction that allowed GRTA buses access and minimized weaving traffic.

d. Relevant Project Management Experience for On-call Contracts or Multiple Projects of Similar Complexity

City of Atlanta On-Call, Atlanta, GA. Project Manager. Projects included Howell Mill Road Sidewalk improvements, Government Mobility Improvements at the State Capitol, Cascade Road Complete Streets design, Campbellton Road signal designs and communication project, and a streetlight conversion project. The Howell Mill project included concept, preliminary plans, and final plans. The Government Mobility Improvements project involved feasibility study, concept, preliminary plans, signal design, and final plans for MLK Jr. Drive from Jesse Hill Jr. Drive to Peachtree Street. As project manager, **Derrick worked with multiple departments (traffic, roadway, and landscaping) and led meetings with various stakeholders.** He communicated with the client on a bi-weekly basis to provide project updates and presented solutions to issues when necessary. Throughout the feasibility study, Derrick has met with and presented to Shelley Peart, Program Management Officer and Nusref Kedir, Senior Public Works Manager.

Whitfield County Traffic, Transportation and Engineering Services On-Call, Whitfield County, GA. Project Manager. Projects included Antioch Road widening and South Dixie Highway widening. As project manager, Derrick delivered a quality set of plans that required no change orders and was constructed within the County's budget. To save money, Derrick recommended an alignment change that avoided impacts to an adjacent gas station. Acquiring this parcel would have impacted Underground Storage Tanks and increased construction costs. Derrick coordinated with County Manager Kent Benson during this process.

Fulton County Standby Engineering Services Transportation On-Call, Fulton County, GA. Project Manager. For the Buffington Road sidewalk improvements, Derrick is assisting Fulton County with adjacent projects owned by Chick-Fil-A and the City of Atlanta. These projects are either in progress or have been constructed recently. Derrick's role is to ensure that conflicts are minimized, utilities have been properly relocated, and the adjacent signal is modified. Coordinated with Wyvern Budram, Program Manager for Traffic Operations of Fulton County and Antonio Valenzuela, Assistant Director of Transportation.

HOV to HOT Conversion, DeKalb & Gwinnett Counties, GA. Project Manager. Served as project manager for roadway plans preparation, signing and marking plans, and location and clearance diagrams for tolling gantries. Prepared the concept drawings, concept report, preliminary plans, MOT, and value engineering study recommendations. This project had an accelerated schedule and **included several stakeholders: GDOT, FHWA, SRTA, the contractor, and subcontractors.** He was also involved in the construction phase of this project. During this phase, Derrick worked closely with Harold Mull, Kimberly Nesbitt, Krystal Stovall-Dixon, and Patrick Vu (SRTA). He was also **responsible for coordinating agendas, field visits, plan review, and design changes** that were requested by SRTA's contractor.

Douglasville Five Intersections, City of Douglasville, GA. Project Engineer. Designed improvements at five intersections in Douglas County, Georgia. Responsible for roadway design, including concept, preliminary plans, right-of-way plans, and final plans. Project deliverables included right-of-way plans suitable for right-of-way acquisition and construction plans suitable for bidding. During construction, he coordinated with the City Engineer and Mike Bryant, the City's construction liaison.

e. Relevant Experience Using GDOT Specific Processes, Manuals or Guidance

- Plan Development Process
- Design Policy Manual
- Signing and Marking Guidelines
- Plans Preparation Guide
- Driveway and Encroachment Control Manual
- Drainage Manual
- Construction Standards and Details
- Environmental Procedures Manual

2. Key Team Leaders

A. Traffic Operations Lead – David Kasbo, PE

David Kasbo leads the traffic engineering group consisting of 14 traffic engineers for the Atlanta Midtown office and offers 24 years of experience in transportation including traffic operations, transportation planning and roadway design. His extensive experience in traffic engineering consists of traffic simulation modeling and forecasting, safety studies, capacity analysis, pedestrian studies, access management, signal operations and design, ITS, and traffic calming. Throughout his career at Jacobs, David has successfully developed a strong engineering team and has acted as senior project manager on several of our largest statewide and regional IDIQ contracts for GDOT and SCDOT. Throughout his career he has also worked on multiple roadway design and transportation planning projects. During his career, David has developed a strong background performing and managing traffic engineering projects for state, local and private entities. In addition to his department management responsibilities, David is responsible for implementing and overseeing the quality control process for the traffic engineering group to guarantee his clients receive the best quality projects possible. **He has extensive experience managing teams of multiple subconsultants, coordinating with diverse stakeholders, and presenting to elected officials and transportation officials across the states.**

a. Education MS, Civil Engineering, Georgia Institute of Technology (1995), BS, Civil Engineering, Georgia Institute of Technology (1991)

b. Registration Registered Professional Engineer, GA (#023336)

c. Relevant Experience in the Applicable Resource Area

Midtown Traffic Operations Program (MTO), Atlanta, GA. Project Manager. Working with Midtown Alliance, City of Atlanta and GDOT to provide traffic engineering services in support of operating and maintaining 100 traffic signals in a grid network in Midtown Atlanta. Services being provided include performing operational studies to maximize operating efficiency of signalized intersections; designing communication plans for restoring fiber optics and wireless communications; field maintenance and inventory of all traffic signals; timing maintenance; making recommendations for equipment repair / upgrades, and developing traffic signal timing plans; and evaluating high incident locations to identify potential operational improvements in order to improve safety.

GDOT On-Call Traffic Engineering (TE) Studies, Statewide, GA. Project Director. Conducted a variety of traffic engineering studies statewide, focused on traffic signal warrants and other related traffic control devices, and safety studies including line-of-sight issues, capacity analysis, operational improvements, access management, traffic calming and corridor studies. Also included were traffic simulation modeling, accident analysis, corridor trip generation and distribution and signal timing and queue length analysis.

Worked closely with the Office of Traffic Operations and the seven GDOT Districts.

Georgia Statewide On-Call Signal Design, Statewide, GA. Project Manager. Designed approximately 180 traffic signals and coordinating signal system upgrades for intersections as part of this on-call work order contract for GDOT. Primary project objective was to develop construction plans for design upgrades, including signal and communications designs, special provisions, quantity takeoffs, and cost estimates. Intersections were designed within areas of limited right-of-way and cluttered utilities and consisted of both span wire and mast arm designs. Pedestrian facilities were upgraded to incorporate Americans with Disabilities Act (ADA) requirements and included pedestrian push buttons, signs, signals, crosswalks and sidewalk sections.

d. Relevant Experience Using GDOT Specific Processes, Manuals or Guidance

- Plan Development Process
- Signing and Marking Guidelines
- Traffic Signal Design Guidelines
- Driveway and Encroachment Control Manual
- Design Policy Manual
- Plan Presentation Guide
- Environmental Procedures Manual
- Electronic Data Guidelines
- Manual on Uniform Traffic Control Devices
- AASHTO Policy on Geometric Design of Highways and Streets (Green Book)
- AASHTO Roadside Design Guide
- Roundabout Information Guide

B. Project Manager – Hatem Aly, PE

Hatem Aly has more than 25 years of experience in project management and construction management of highway design projects. His experience includes all types of roadway design, from rural widening and new location projects to major interstate widening and interchange reconstructions to roundabouts. **He has extensive experience managing multi-discipline teams, including multiple subconsultants, coordinating with diverse stakeholders, and participating in public involvement activities** on major and minor roadway design projects. His experience includes delivering projects from start to finish including environmental coordination, location studies, concept reports, hydrology, all components of preliminary and final construction documents, ROW computation, retaining walls, sound walls, maintenance of traffic (MOT) plans, construction management and utility design. Hatem performed quality reviews for erosion, sedimentation and pollution control plans for over 130 projects performed by different engineering consultants.

a. Education Master in Urban Planning, Cairo University, Faculty of Engineering (1993); BS, Civil/Architectural Engineering, Cairo University, Faculty of Engineering (1990)

b. Registration Registered Professional Engineer, GA (#31456), OH (#70767)

c. Relevant Experience in the Applicable Resource Area

Henry County SPLOST IV On-Call Contract, Henry County, GA. Project Manager. Performed assignments including intersection improvements and road widenings. The intersection improvements required performing roundabout feasibility studies and signal warrant analysis to determine the best options. He coordinated with Henry County to identify specific project needs and then propose and design cost-effective solutions. During project development, Hatem coordinated with GDOT, local businesses, and Henry County Parks and Recreations Department to reach consensus on the proposed improvements. He **prepared meeting agendas and meeting minutes**, and supported Henry County with public involvement outreach and communications with stakeholders and the general public.

SR 8, Ponce de Leon Avenue Pedestrian Safety Improvements, Atlanta, GA. Project Manager. Responsible for all aspects of the project including design, quality control, coordination with involved agencies, subconsultants, and utilities. The project involved extensive coordination with the corridor's four projects: GDOT pedestrian safety project; a Livable Centers Initiative streetscape and Atlanta BeltLine ramp and stair project; GDOT resurfacing project; and a bike/ped connection between Ponce City Market and Atlanta BeltLine. Quarterly meetings were held to ensure that the four projects were on the right track and teams were collaborating to achieve the city's objectives and to ascertain neighborhood transportation needs. **Hatem participated in preparing meeting agendas and minutes. He coordinated with Atlanta BeltLine, Inc., City of Atlanta, Ponce City Market development, MARTA, and businesses along corridor** regarding road diet, MARTA bus stop locations and business property access. The project, located in highly urbanized area, encompassed pedestrian improvements and required detailed design to accommodate pedestrians and bicycles. The project included construction of traffic islands and HAWK pedestrian crossing signals at selected crosswalks where no traffic signals existed. The project also included reducing the number of eastbound travel lanes from three to two with the addition of a continuous two-way center left turn lane and bike lanes on both sides of the road between Piedmont Avenue and Ponce de Leon Place.

SR 155 at Fairview Road Intersection Improvements, Henry County, GA. Project Manager. Responsible for all aspects of the project including public outreach, database preparation, utility coordination, right-of-way acquisition, road design, and quality control. The proposed project replaced the all-way-stop-controlled intersection at SR 155 and Fairview Road with a roundabout. The inside diameter of the roundabout is 114 feet. The circular travel lane is 18 feet in width with an additional 14-foot wide apron to accommodate larger vehicles. The outside shoulders of the roundabout have 30-inch curb and gutter with five-foot wide sidewalks and a two-foot grass strip in between all quadrants of the intersection. Raised splitter islands were provided as a directional guide to motorists in the roundabout. Coordinated with GDOT and Henry County and engaged the public and stakeholder throughout the design phases to overcome the public perceptions of the operation of roundabouts in the County. The final product was a very well-accepted intersection improvement to the residents of Henry County and the commuters.

d. Relevant Experience Using GDOT Specific Processes, Manuals or Guidance

- Plan Development Process
- Drainage Manual
- Signing and Marking Design Guidelines
- Pavement Design Manual
- Driveway and Encroachment Control Manual
- Design Policy Manual
- Plan Presentation Guide
- Electronic Data Guidelines
- Environmental Procedures Manual
- Manual on Uniform Traffic Control Devices
- AASHTO Policy on Geometric Design of Highways and Streets (Green Book)
- AASHTO Roadside Design Guide
- Roundabout Information Guide
- Erosion and Sedimentation Control Manual

B. Project Manager – Ryan Triick, PE

Ryan Triick is a Senior Project Manager in the transportation practice with Jacobs, specializing in highway design projects. He has more than 16 years of experience serving as a project manager and engineer for many roadway improvement projects throughout Georgia, working with GDOT as well as local governments. His experience includes project management, design of various transportation facilities, including highways and roundabouts, and transportation planning. Ryan's management has led to the successful completion of roadway improvement projects including urban and rural widenings, interchange designs and intersection improvements. As project manager, he has **managed multi-discipline teams, including multiple subconsultants, coordinated with diverse stakeholders, and participated in public involvement activities** on roadway design projects. As project manager, he implements the Jacobs QA/QC processes to develop detailed quality plans and reports.

- a. **Education** BS, Civil Engineering, Georgia Institute of Technology (1998)
- b. **Registration** Registered Professional Engineer, GA (#030109), LA (#0033708)
- c. **Relevant Experience in the Applicable Resource Area**

Johnson Ferry Road at Mt Vernon Highway Intersection Improvements, Sandy Springs, GA. Project Manager and Engineer of Record. This project is a five-legged intersection with significant congestion issues. It provides east-west connectivity between the Atlanta Perimeter business district and the east Cobb County residential community. The improvements for this project include dual roundabouts, converting one-way roads into two-way roads, adding through and turn lanes and improving intersection skew angles. Jacobs is tasked with compressing the schedule where possible to support an opening day in December 2017 to align with the opening of the adjacent Sandy Springs City Center. By overlapping preliminary design tasks with the environmental studies and beginning right of way plan development prior to completion of the Preliminary Phase, Jacobs was able to remove months from the schedule. Extensive traffic studies were conducted during the Concept Phase using VISSIM to analyze the operations of dual roundabouts in close proximity to Roswell Road. The studies resulted in development of detailed design criteria. As Project Manager, Ryan manages the activities to meet the compressed schedule commitments; **coordinates between the client, GDOT, SHPO, FHWA, agencies, local stakeholders and our subconsultants**; and adjusts the project schedule and approach as the design and environmental activities progress.

Windsor Spring Road Widening Phases IV & V, Richmond County, GA. Project Manager and Engineer of Record. Windsor Springs Road was widened from the existing two-lane rural road to a four-lane divided urban road with a raised median for approximately five miles including two bridges, eight-foot multi-use trails on both shoulders and lighting. Ryan managed the coordination and communication among the client, project team and subconsultants; the budget; and schedule. **Following the Jacobs QC/QA procedures, our team received scores of 100% for both phases of the project on their respective FFPR plans.**

Interstate Signage, City of Atlanta Department of Aviation, Atlanta, GA. Project Manager. This project is the modification of interstate signs to guide drivers to the new I-75 entrance to the new Maynard H. Jackson, Jr. International Terminal. This project involved the redesign of signs on approximately 70 structures and the addition of approximately 25 new supplemental signs that affected over 200 signs. The timeline of the design phase was closely monitored so the completion of construction coincided with the opening of the International Terminal in May 2012. Many of the signs were replaced over a one-night operations activity that used traffic closures and pacing methods to clear vehicles off of the interstate. Ryan's project management duties included **preparing meeting agendas and meeting minutes**, leading meetings with client and stakeholders, and managing the project's scope, schedule and budget. His team was able to **reduce the project construction cost by over 20%**, **meet a design timeline** controlled by the opening of the International Terminal, and adjust scope based on design criteria revised during design including the changing of the sign abbreviations (which significantly affected sign size and therefore increased new sign requirements) along with the adoption of new MUTCD guidelines in 2010.

d. **Relevant Experience Using GDOT Specific Processes, Manuals or Guidance**

- Plan Development Process
- Design Policy Manual
- Drainage Manual
- Signing and Marking Design Guidelines
- Pavement Design Manual
- Environmental Procedures Manual
- Driveway and Encroachment Control Manual
- Plan Presentation Guide
- Electronic Data Guidelines
- Manual on Uniform Traffic Control Devices
- AASHTO Policy on Geometric Design of Highways and Streets (Green Book)
- AASHTO Roadside Design Guide
- Utility Accommodation Policy and Standards

B. Project Manager – Sean Pharr, PE

Sean Pharr has 18 years of experience in project management, design and design supervision, and has completed Plan Development Process (PDP) certification and training through GDOT. His project focus is on urban design projects with complete street initiatives and he has implemented award-winning urban design roadway projects. Sean emphasizes project delivery by focusing on client relationships and delivering projects on time and within budget. Sean has been involved with all aspects of the design process, from concept development to final plans and bid document preparation. His project experience includes roundabouts, interchange reconstruction projects, widening and reconstruction projects in densely urban areas, pedestrian streetscape projects, and projects on new location.

a. Education BS, Civil Engineering, Auburn University (1998)

b. Registration Registered Professional Engineer, GA (#028749), SC (#22595); GSWCC Certified Level II (#11646)

c. Relevant Experience in the Applicable Resource Area

SR 92 from Old Burnt Hickory Road to Cherokee Street, Paulding and Cobb Counties, GA. Project Manager. Project manager for two segments of SR 92 encompassing more than seven miles of reconstruction of SR 92. The project includes the addition of median, a multi-use trail, sidewalks and widening of the roadway from two to four through lanes. Challenges of the project included maintaining an aggressive schedule while working through GDOT's PDP, coordinating an MOU between the City of Acworth, US Army Corps of Engineers and GDOT to retain a historic bridge and sub impacting dam which separated Allatoona Lake from Lake Acworth. The project will follow water quality guidelines per the Etowah River HCP and will include water quality ponds. The Draft Environmental Assessment has been approved by FHWA and the next phase of the project is to complete the NEPA process and right-of-way acquisition.

SR 92 from Highway 120 to Old Burnt Hickory Road, Roadway Widening and Reconstruction including Three Multi-lane Roundabouts, Paulding and Cobb Counties, GA. Project Manager. Project manager for GDOT design services contract project encompassing more than eight miles of reconstruction of SR 92. The project includes the addition of median, bike accommodations, sidewalks and widening of this roadway from two to four through lanes. Challenges of the project include designing and implementing a **public involvement strategy** to engage the public regarding multi-lane roundabouts and use on major arterials. The concept report, PAR, VE study and PIOH are approved or held and this project is in the preliminary design phase.

Oakley Industrial Boulevard Widening, South Fulton County, GA. Project Manager. This project entails the widening of Oakley Industrial Boulevard (OIB), an urban collector from Fayetteville Road to Jonesboro Road/SR 138 for a total of 1.71 miles. The project is located entirely in South Fulton County. The existing corridor has one through lane in each direction and numerous right and left turn lanes with a posted speed of 45 miles per hour. The area is experiencing substantial residential and commercial growth which adds to the industrial traffic along the corridor. The increasing volume poses a challenge to the safety of drivers along the corridor as well as adding to congestion. The proposed construction will add a two-way left turn lane to the existing two lane section of OIB and add a traffic signal at the Oakley Road intersection. At the eastern terminus with Jonesboro Road, OIB will flare to two lanes in each direction with a 20-foot raised median to accommodate future potential widening of this roadway beyond three lanes as future traffic warrants.

d. Relevant Experience Using GDOT Specific Processes, Manuals or Guidance

- | | | |
|------------------------------------|--|---------------------------------------|
| - Plan Development Process | - Driveway and Encroachment Control Manual | - Environmental Procedures Manual |
| - Design Policy Manual | - Electronic Data Guidelines | - Bridge and Structures Design Manual |
| - Signing and Marking Guidelines | - Pavement Design Manual | |
| - Traffic Signal Design Guidelines | - Drainage Manual | |
| - Plans Preparation Guide | | |

3. Prime Experience

1. City of Atlanta Architectural, Engineering and Design Services – Department of Public Works

a. *Client Name / Project Location / Dates:* City of Atlanta / Atlanta, Georgia / January 2015 – present

b. *Description of Overall Project / Services / d. Experience Delivering On-Call Contracts*

Jacobs, as part of the Atlanta Services Group (ASG) joint venture, serves as one of the City's Architectural, Engineering and Design Services teams to provide professional program management services to support implementation of the City's capital improvement programs on an on-call basis. Jacobs' scope of services includes review of scope, schedule and budget in association with project management of planning and traffic engineering studies for transportation improvement projects, traffic operations, streetscapes, roadway and bridge design projects. Assignments under this contract have included Howell Mill Road sidewalk improvements; analysis of the street network around the state capitol, including Capitol and Washington streets; Cascade Road pedestrian improvements; Campbellton Road signal designs and communication plans; and traffic signal inventory. The work we are doing under this contract is similar in scope to the projects we will be managing under the Traffic Operations PM contract.

c. *Duration of Service / Overall Project Budget:* 1 year (to date) / \$1.2M

e. *Experience Utilizing GDOT Specific Processes:* N/A

f. *Client Contact Information:* Michele Wynne, PE 404.330.6501, mwynnn@atlantaga.gov

g. *Involvement of Key Team Leaders / Key Team Member:* Derrick Vincent, PE, David Kasbo, PE

2. GDOT Traffic Engineering Studies

a. *Client Name / Project Location / Dates:* GDOT / Statewide Georgia / 2001 – 2008

b. *Description of Overall Project / Services / d. Experience Delivering On-Call Contracts*

Jacobs managed this on-call program and conducted traffic engineering studies which evaluated intersection operations at 189 locations throughout the state of Georgia for two consecutive contracts between the years 2001 and 2008 for GDOT. Project assignments were performed as needed, with work efforts occurring on an on-call basis. The project objective was to reduce GDOT staff effort on traffic engineering studies by providing support for both the Office of Traffic Operations and the seven GDOT Districts. Jacobs worked closely with the seven GDOT Districts to provide the analysis and documentation needed for intersection improvements. This process involved conducting field inventory of existing roadway geometry, signage, and pavement markings; collecting and analyzing crash data; safety and intersection operation observations during peak hours; collecting turning movement and delay data; and documentation including signal warrant analysis and recommended improvement concept diagrams. This gives us enormous insight into the objectives and scopes of projects that will be performed under the Traffic Operations PM contract.

c. *Duration of Service / Overall Project Budget:* 7 years / \$2M per contract

e. *Experience Utilizing GDOT Specific Processes:* Signing and Marking Guidelines; Traffic Signal Design Guidelines; Driveway and Encroachment Control Manual; Manual on Uniform Traffic Control Devices; ASHTO Guidebook

f. *Client Contact Information:* Bill Poole (retired), 770.641.0314

g. *Involvement of Key Team Leaders / Key Team Member:* David Kasbo, PE

3. GDOT On-Call Statewide Traffic Signal Design

a. *Client Name / Project Location / Dates:* GDOT / Statewide Georgia / 1999 – 2008

b. *Description of Overall Project / Services / d. Experience Delivering On-Call Contracts*

Jacobs managed this on-call program for the design of traffic signals and coordinated signal system upgrades for intersections throughout the state of Georgia. The primary project objective was to develop construction plans for the design upgrades, including signal and communications designs, special provisions, quantity takeoffs, and cost estimates. The project included nearly 180 intersections across the state. Intersections were within areas of limited right-of-way and cluttered utilities and consisted of both span wire and mast arm designs. Pedestrian facilities were upgraded to incorporate ADA requirements and included pedestrian push buttons, signs, signals, crosswalks and sidewalk sections. These projects are similar in scope to those that will be assigned to Jacobs under the Traffic Operations PM contract.

c. *Duration of Service / Overall Project Budget:* 9 years / \$333K first contract; \$1.5M two following contracts

e. *Experience Utilizing GDOT Specific Processes:* Plan Development Process; Traffic Signal Design Guidelines

f. *Client Contact Information:* Derrick Cameron, 404.631.1233, dcameron@dot.ga.gov

g. *Involvement of Key Team Leaders / Key Team Member:* David Kasbo, PE

4. Midtown Traffic Operations Program

a. *Client Name / Project Location / Dates:* Midtown Alliance / Atlanta, Georgia / 2013 – ongoing

b. *Description of Overall Project / Services / d. Experience Delivering On-Call Contracts*

Jacobs is managing the Midtown Traffic Operations Program. In addition to program management, we are providing traffic engineering services to improve traffic flow, reduce congestion and improve safety for all modes of travel through the active management of 100 traffic signals within Midtown Atlanta. This program has three main objectives: 1.) inventory and assess existing traffic signal equipment and communications, 2.) develop control strategies to better manage traffic flow of vehicles, pedestrians, bicycles, and buses, and 3.) perform signal retiming services and provide traffic signal maintenance including repairs and upgrades to maximize the efficiency of the existing transportation system. Jacobs' responsibilities include field maintenance and inventory of all traffic signals, troubleshooting malfunctioning signal and communications equipment, timing maintenance, recommendations for equipment repair / upgrades, and development of traffic signal timing plans. Jacobs is evaluating current operational strategies and developing a recommended operational strategy, implementation phasing and cost estimates.

c. *Duration of Service / Overall Project Budget:* 3 years (to date) / \$3M

e. *Experience Utilizing GDOT Specific Processes:* NA

f. *Client Contact Information:* Dan Hourigan, 404.892.0050, dan@midtownalliance.org

g. *Involvement of Key Team Leaders / Key Team Member:* David Kasbo, PE

5. Fulton County Standby Engineering Services Transportation On-call

a. *Client Name / Project Location / Dates:* Fulton County / Fulton County, Georgia / 2008 – present

b. *Description of Overall Project / Services / d. Experience Delivering On-Call Contracts*

Since 2008, Jacobs has served Fulton County as their General Engineering Consultant providing professional advice and engineering services in connection with road improvement projects throughout the County. Since inception and in support of Fulton County's transportation program, Jacobs has assisted Fulton County to maximize minor roadway improvement benefits and helped identify projects where the County could leverage their local funds for federal funding on major road improvement projects. Under this contract, Jacobs has provided a wide array of professional services, including advisory services, highway design, right-of-way plans, signal timing, public involvement, and bidding and construction administration services. Jacobs provided full service minor roadway design which included addition of turn lanes, safety and sight distance improvements, addition of sidewalk, and drainage improvements. Additional services under this on-call contract include coordination with the City of Atlanta, City of College Park, Airport West CID and Chick-fil-A.

c. *Duration of Service / Overall Project Budget:* 7 years (to date) / \$225K (design)

e. *Experience Utilizing GDOT Specific Processes:* N/A

f. *Client Contact Information:* Antonio Valenzuela, antonio.valenzuela@fultoncountyga.gov, 404.612.0520

g. *Involvement of Key Team Leaders / Key Team Member:* Derrick Vincent, PE

4. Area Class Summary Form

Area Class #	Area Class Description	Jacobs	AECOM	Kittelson & Associates	Mulkey Engineers & Consultants
	DBE – Yes/No ->	N	N	N	N
	Prequalification Expiration Date	5/31/16	2/28/2018	11/31/2016	3/31/17
Prime Consultant					
3.01	Two-Lane or Multi-lane Rural Roadway Design	X	X		X
3.02	Two-Lane or Multi-lane Urban Roadway Design	X	X		X
3.03	Multi-Lane Urban Roadway Widening and Reconstruction	X	X		X
Team					
3.06	Traffic Operations Studies	X	X	X	
3.07	Traffic Operations Design	X	X	X	
3.09	Traffic Control Systems Analysis, Design and Implementation	X	X		

**STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION
NOTICE OF PROFESSIONAL CONSULTANT QUALIFICATION**

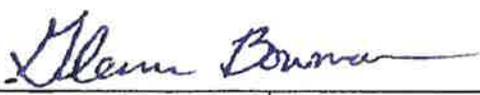
You are qualified to provide Consulting Services to the Department of Transportation for the area-classes of work checked below. Notice of qualification is not a notice of selection.

NAME AND ADDRESS	ISSUE DATE	DATE OF EXPIRATION
Jacobs Engineering Group Inc. 10 10th Street NW, Suite 1400 Atlanta, GA 30309	12/10/15	5/31/16
	SIGNATURE	
		

<p>1. Transportation Planning</p> <p><input checked="" type="checkbox"/> 1.01 State Wide Systems Planning Urban Area and Regional Transportation Planning</p> <p><input checked="" type="checkbox"/> 1.02 Planning</p> <p><input type="checkbox"/> 1.03 Aviation Systems Planning</p> <p><input checked="" type="checkbox"/> 1.04 Mass and Rapid Transportation Planning</p> <p><input checked="" type="checkbox"/> 1.05 Alternate System and Corridor Location Planning</p> <p><input type="checkbox"/> 1.06 Unknown</p> <p><input checked="" type="checkbox"/> 1.06a NEPA Documentation</p> <p><input checked="" type="checkbox"/> 1.06b History</p> <p><input checked="" type="checkbox"/> 1.06c Air Studies</p> <p><input checked="" type="checkbox"/> 1.06d Noise Studies</p> <p><input checked="" type="checkbox"/> 1.06e Ecology</p> <p><input type="checkbox"/> 1.06f Archaeology</p> <p><input type="checkbox"/> 1.06g Freshwater Aquatic Surveys</p> <p><input checked="" type="checkbox"/> 1.07 Attitude, Opinion and Community Value Studies</p> <p><input checked="" type="checkbox"/> 1.08 Airport Master Planning</p> <p><input checked="" type="checkbox"/> 1.09 Location Studies</p> <p><input checked="" type="checkbox"/> 1.10 Traffic Studies</p> <p><input checked="" type="checkbox"/> 1.11 Traffic and Toll Revenue Studies</p> <p><input checked="" type="checkbox"/> 1.12 Major Investment Studies</p> <p><input checked="" type="checkbox"/> 1.13 Non-Motorized Transportation Planning</p>	<p>3. Highway Design Roadway (Continued)</p> <p><input checked="" type="checkbox"/> 3.09 Traffic Control Systems Analysis, Design and Implementation</p> <p><input type="checkbox"/> 3.10 Utility Coordination</p> <p><input type="checkbox"/> 3.11 Architecture</p> <p><input checked="" type="checkbox"/> 3.12 Hydraulic and Hydrological Studies (Roadway)</p> <p><input checked="" type="checkbox"/> 3.13 Facilities for Bicycles and Pedestrians</p> <p><input type="checkbox"/> 3.14 Historic Rehabilitation</p> <p><input checked="" type="checkbox"/> 3.15 Highway Lighting</p> <p><input checked="" type="checkbox"/> 3.16 Value Engineering</p> <p><input checked="" type="checkbox"/> 3.17 Design of Toll Facilities Infrastructure</p>
<p>2. Mass Transit Operations</p> <p><input checked="" type="checkbox"/> 2.01 Mass Transit Program (Systems) Management</p> <p><input checked="" type="checkbox"/> 2.02 Mass Transit Feasibility and Technical Studies</p> <p><input type="checkbox"/> 2.03 Mass Transit Vehicle and Propulsion System</p> <p><input type="checkbox"/> 2.04 Mass Transit Controls, Communications and Information Systems</p> <p><input type="checkbox"/> 2.05 Mass Transit Architectural Engineering</p> <p><input type="checkbox"/> 2.06 Mass Transit Unique Structures</p> <p><input type="checkbox"/> 2.07 Mass Transit Electrical and Mechanical Systems</p> <p><input type="checkbox"/> 2.08 Mass Transit Operations Management and Support Services</p> <p><input checked="" type="checkbox"/> 2.09 Aviation</p> <p><input type="checkbox"/> 2.10 Mass Transit Program (Systems) Marketing</p>	<p>4. Highway Structures</p> <p><input checked="" type="checkbox"/> 4.01 Minor Bridges Design</p> <p><input checked="" type="checkbox"/> 4.02 Major Bridges Design</p> <p><input type="checkbox"/> 4.03 Movable Span Bridges Design</p> <p><input checked="" type="checkbox"/> 4.04 Hydraulic and Hydrological Studies (Bridges)</p> <p><input type="checkbox"/> 4.05 Bridge Inspection</p>
<p>3. Highway Design Roadway</p> <p><input checked="" type="checkbox"/> 3.01 Two-Lane or Multi-Lane Rural Generally Free Access Highway Design</p> <p><input checked="" type="checkbox"/> 3.02 Two-Lane or Multi-Lane with Curb and Gutter Generally Free Access Highways Design Including Storm Sewers</p> <p><input type="checkbox"/> 3.03 Two-Lane or Multi-Lane Widening and Reconstruction, with Curb and Gutter and Storm Sewers in Heavily Developed Commercial, Industrial and Residential Urban Areas</p> <p><input checked="" type="checkbox"/> 3.04 Multi-Lane, Limited Access Expressway Type Highway Design</p> <p><input checked="" type="checkbox"/> 3.05 Design of Urban Expressway and Interstate</p> <p><input checked="" type="checkbox"/> 3.06 Traffic Operations Studies</p> <p><input checked="" type="checkbox"/> 3.07 Traffic Operations Design</p> <p><input checked="" type="checkbox"/> 3.08 Landscape Architecture</p>	<p>5. Topography</p> <p><input checked="" type="checkbox"/> 5.01 Land Surveying</p> <p><input checked="" type="checkbox"/> 5.02 Engineering Surveying</p> <p><input checked="" type="checkbox"/> 5.03 Geodetic Surveying</p> <p><input type="checkbox"/> 5.04 Aerial Photography</p> <p><input checked="" type="checkbox"/> 5.05 Aerial Photogrammetry</p> <p><input checked="" type="checkbox"/> 5.06 Topographic Remote Sensing</p> <p><input type="checkbox"/> 5.07 Cartography</p> <p><input type="checkbox"/> 5.08 Subsurface Utility Engineering</p>
	<p>6. Soils, Foundation & Materials Testing</p> <p><input type="checkbox"/> 6.01a Soil Surveys</p> <p><input type="checkbox"/> 6.01b Geological and Geophysical Studies</p> <p><input type="checkbox"/> 6.02 Bridge Foundation Studies</p> <p><input type="checkbox"/> 6.03 Hydraulic and Hydrological Studies (Soils and Foundation)</p> <p><input type="checkbox"/> 6.04a Laboratory Materials Testing</p> <p><input type="checkbox"/> 6.04b Field Testing of Roadway Construction Materials</p> <p><input type="checkbox"/> 6.05 Hazard Waste Site Assessment Studies</p>
	<p>8. Construction</p> <p><input checked="" type="checkbox"/> 8.01 Construction Supervision</p>
	<p>9. Erosion and Sedimentation Control</p> <p><input checked="" type="checkbox"/> 9.01 Erosion, Sedimentation, and Pollution Control and Comprehensive Monitoring Program</p> <p><input type="checkbox"/> 9.02 Rainfall and Runoff Reporting</p> <p><input type="checkbox"/> 9.03 Field Inspections for Compliance of Erosion and Sedimentation Control Devices Installations</p>

**STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION
NOTICE OF PROFESSIONAL CONSULTANT QUALIFICATION**

You are qualified to provide Consulting Services to the Department of Transportation for the area-classes of work checked below. Notice of qualification is not a notice of selection.

NAME AND ADDRESS	ISSUE DATE	DATE OF EXPIRATION
AECOM Technical Services, Inc. 1360 Peachtree Street, Suite 500 Atlanta, GA 30309	11/6/15	2/28/18
	SIGNATURE	
		
<p>1. Transportation Planning</p> <p><input checked="" type="checkbox"/> 1.01 State Wide Systems Planning Urban Area and Regional Transportation Planning</p> <p><input checked="" type="checkbox"/> 1.02 Planning</p> <p><input checked="" type="checkbox"/> 1.03 Aviation Systems Planning</p> <p><input checked="" type="checkbox"/> 1.04 Mass and Rapid Transportation Planning</p> <p><input checked="" type="checkbox"/> 1.05 Alternate System and Corridor Location Planning</p> <p><input type="checkbox"/> 1.06 Unknown</p> <p><input checked="" type="checkbox"/> 1.06a NEPA Documentation</p> <p><input checked="" type="checkbox"/> 1.06b History</p> <p><input checked="" type="checkbox"/> 1.06c Air Studies</p> <p><input checked="" type="checkbox"/> 1.06d Noise Studies</p> <p><input checked="" type="checkbox"/> 1.06e Ecology</p> <p><input checked="" type="checkbox"/> 1.06f Archaeology</p> <p><input type="checkbox"/> 1.06g Freshwater Aquatic Surveys</p> <p><input checked="" type="checkbox"/> 1.07 Attitude, Opinion and Community Value Studies</p> <p><input checked="" type="checkbox"/> 1.08 Airport Master Planning</p> <p><input checked="" type="checkbox"/> 1.09 Location Studies</p> <p><input checked="" type="checkbox"/> 1.10 Traffic Studies</p> <p><input checked="" type="checkbox"/> 1.11 Traffic and Toll Revenue Studies</p> <p><input checked="" type="checkbox"/> 1.12 Major Investment Studies</p> <p><input checked="" type="checkbox"/> 1.13 Non-Motorized Transportation Planning</p>	<p>3. Highway Design Roadway (Continued)</p> <p><input checked="" type="checkbox"/> 3.09 Traffic Control Systems Analysis, Design and Implementation</p> <p><input checked="" type="checkbox"/> 3.10 Utility Coordination</p> <p><input checked="" type="checkbox"/> 3.11 Architecture</p> <p><input checked="" type="checkbox"/> 3.12 Hydraulic and Hydrological Studies (Roadway)</p> <p><input checked="" type="checkbox"/> 3.13 Facilities for Bicycles and Pedestrians</p> <p><input checked="" type="checkbox"/> 3.14 Historic Rehabilitation</p> <p><input checked="" type="checkbox"/> 3.15 Highway Lighting</p> <p><input type="checkbox"/> 3.16 Value Engineering</p> <p><input type="checkbox"/> 3.17 Design of Toll Facilities Infrastructure</p>	
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NAME AND ADDRESS	ISSUE DATE	DATE OF EXPIRATION
Kittelson & Associates, Inc. 225 East Robinson Street, Suite 450 Orlando, FL 32801	11/14/13	11/30/16
SIGNATURE 		
1. Transportation Planning <input type="checkbox"/> 1.01 State Wide Systems Planning Urban Area and Regional Transportation Planning <input type="checkbox"/> 1.02 Planning <input type="checkbox"/> 1.03 Aviation Systems Planning <input type="checkbox"/> 1.04 Mass and Rapid Transportation Planning <input type="checkbox"/> 1.05 Alternate System and Corridor Location Planning <input type="checkbox"/> 1.06 Unknown <input type="checkbox"/> 1.06a NEPA Documentation <input type="checkbox"/> 1.06b History <input type="checkbox"/> 1.06c Air Studies <input type="checkbox"/> 1.06d Noise Studies <input type="checkbox"/> 1.06e Ecology <input type="checkbox"/> 1.06f Archaeology <input type="checkbox"/> 1.06g Freshwater Aquatic Surveys <input type="checkbox"/> 1.07 Attitude, Opinion and Community Value Studies <input type="checkbox"/> 1.08 Airport Master Planning <input type="checkbox"/> 1.09 Location Studies <input checked="" type="checkbox"/> 1.10 Traffic Studies <input type="checkbox"/> 1.11 Traffic and Toll Revenue Studies <input type="checkbox"/> 1.12 Major Investment Studies <input type="checkbox"/> 1.13 Non-Motorized Transportation Planning	3. Highway Design Roadway (Continued) <input type="checkbox"/> 3.09 Traffic Control Systems Analysis, Design and Implementation <input type="checkbox"/> 3.10 Utility Coordination <input type="checkbox"/> 3.11 Architecture <input type="checkbox"/> 3.12 Hydraulic and Hydrological Studies (Roadway) <input type="checkbox"/> 3.13 Facilities for Bicycles and Pedestrians <input type="checkbox"/> 3.14 Historic Rehabilitation <input type="checkbox"/> 3.15 Highway Lighting <input type="checkbox"/> 3.16 Value Engineering <input type="checkbox"/> 3.17 Design of Toll Facilities Infrastructure	
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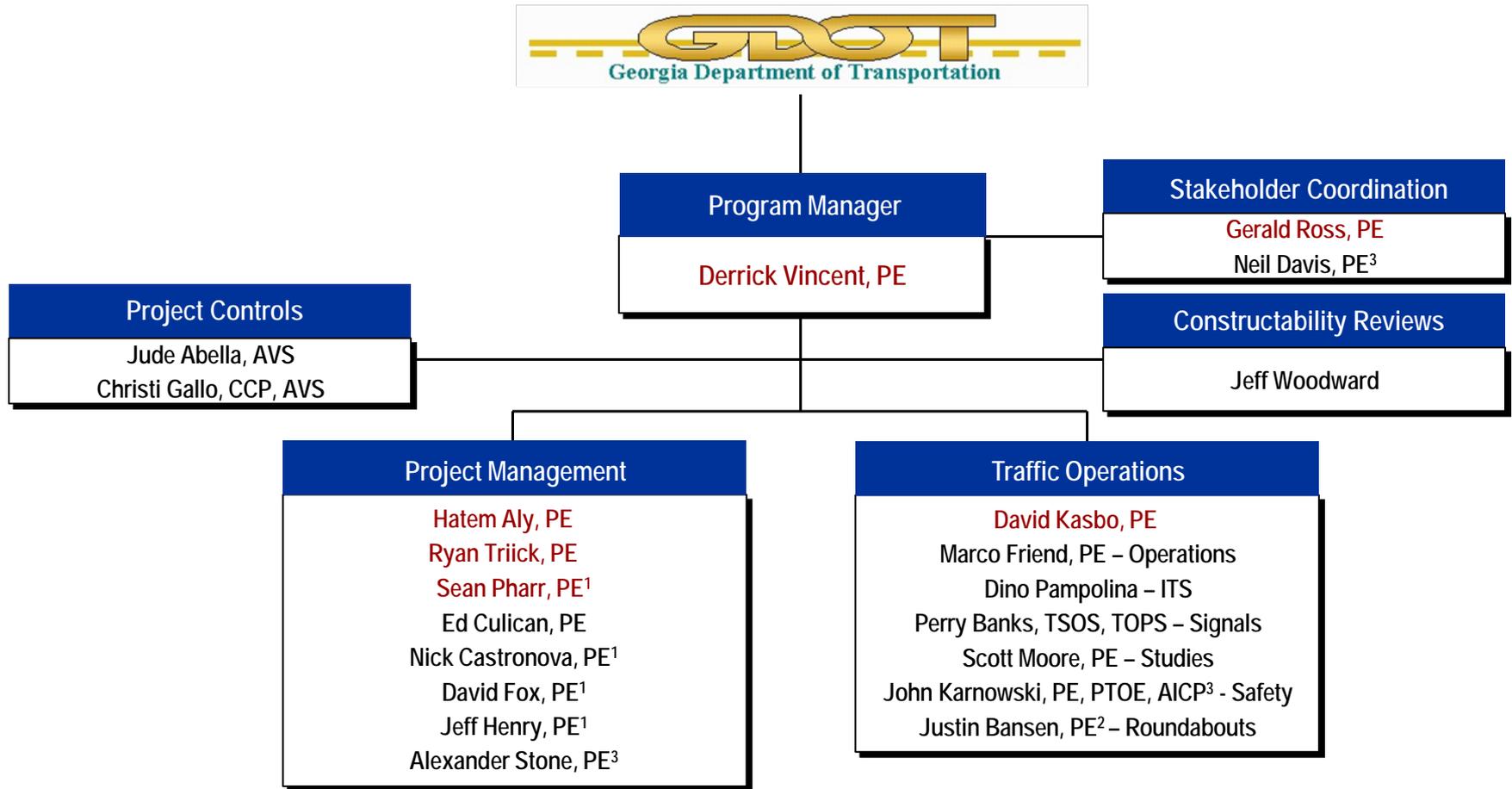
**STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION
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You are qualified to provide Consulting Services to the Department of Transportation for the area-classes of work checked below. Notice of qualification is not a notice of selection.

NAME AND ADDRESS	ISSUE DATE	DATE OF EXPIRATION
Mulkey Engineers & Consultants 1255 Canton Street, Suite G Roswell, GA 30075	4/10/14	3/31/17
	SIGNATURE	
		

<p>1. Transportation Planning</p> <p><input type="checkbox"/> 1.01 State Wide Systems Planning Urban Area and Regional Transportation Planning</p> <p><input type="checkbox"/> 1.02 Planning</p> <p><input type="checkbox"/> 1.03 Aviation Systems Planning</p> <p><input type="checkbox"/> 1.04 Mass and Rapid Transportation Planning</p> <p><input type="checkbox"/> 1.05 Alternate System and Corridor Location Planning</p> <p><input type="checkbox"/> 1.06 Unknown</p> <p><input checked="" type="checkbox"/> 1.06a NEPA Documentation</p> <p><input checked="" type="checkbox"/> 1.06b History</p> <p><input type="checkbox"/> 1.06c Air Studies</p> <p><input type="checkbox"/> 1.06d Noise Studies</p> <p><input checked="" type="checkbox"/> 1.06e Ecology</p> <p><input type="checkbox"/> 1.06f Archaeology</p> <p><input type="checkbox"/> 1.06g Freshwater Aquatic Surveys</p> <p><input checked="" type="checkbox"/> 1.07 Attitude, Opinion and Community Value Studies</p> <p><input type="checkbox"/> 1.08 Airport Master Planning</p> <p><input checked="" type="checkbox"/> 1.09 Location Studies</p> <p><input type="checkbox"/> 1.10 Traffic Studies</p> <p><input type="checkbox"/> 1.11 Traffic and Toll Revenue Studies</p> <p><input type="checkbox"/> 1.12 Major Investment Studies</p> <p><input type="checkbox"/> 1.13 Non-Motorized Transportation Planning</p>	<p>3. Highway Design Roadway (Continued)</p> <p><input type="checkbox"/> 3.09 Traffic Control Systems Analysis, Design and Implementation</p> <p><input checked="" type="checkbox"/> 3.10 Utility Coordination</p> <p><input type="checkbox"/> 3.11 Architecture</p> <p><input checked="" type="checkbox"/> 3.12 Hydraulic and Hydrological Studies (Roadway)</p> <p><input checked="" type="checkbox"/> 3.13 Facilities for Bicycles and Pedestrians</p> <p><input type="checkbox"/> 3.14 Historic Rehabilitation</p> <p><input type="checkbox"/> 3.15 Highway Lighting</p> <p><input type="checkbox"/> 3.16 Value Engineering</p> <p><input type="checkbox"/> 3.17 Design of Toll Facilities Infrastructure</p>
<p>2. Mass Transit Operations</p> <p><input type="checkbox"/> 2.01 Mass Transit Program (Systems) Management</p> <p><input type="checkbox"/> 2.02 Mass Transit Feasibility and Technical Studies</p> <p><input type="checkbox"/> 2.03 Mass Transit Vehicle and Propulsion System Mass Transit Controls, Communications and Information Systems</p> <p><input type="checkbox"/> 2.04 Mass Transit Architectural Engineering</p> <p><input type="checkbox"/> 2.05 Mass Transit Unique Structures</p> <p><input type="checkbox"/> 2.06 Mass Transit Electrical and Mechanical Systems Mass Transit Operations Management and Support Services</p> <p><input type="checkbox"/> 2.07 Mass Transit Operations Management and Support Services</p> <p><input type="checkbox"/> 2.08 Aviation</p> <p><input type="checkbox"/> 2.09 Mass Transit Program (Systems) Marketing</p>	<p>4. Highway Structures</p> <p><input checked="" type="checkbox"/> 4.01 Minor Bridges Design</p> <p><input type="checkbox"/> 4.02 Major Bridges Design</p> <p><input type="checkbox"/> 4.03 Movable Span Bridges Design</p> <p><input checked="" type="checkbox"/> 4.04 Hydraulic and Hydrological Studies (Bridges)</p> <p><input type="checkbox"/> 4.05 Bridge Inspection</p>
<p>3. Highway Design Roadway</p> <p><input checked="" type="checkbox"/> 3.01 Two-Lane or Multi-Lane Rural Generally Free Access Highway Design</p> <p><input checked="" type="checkbox"/> 3.02 Two-Lane or Multi-Lane with Curb and Gutter Generally Free Access Highways Design Including Storm Sewers</p> <p><input checked="" type="checkbox"/> 3.03 Two-Lane or Multi-Lane Widening and Reconstruction, with Curb and Gutter and Storm Sewers in Heavily Developed Commercial, Industrial and Residential Urban Areas</p> <p><input checked="" type="checkbox"/> 3.04 Multi-Lane, Limited Access Expressway Type Highway Design</p> <p><input checked="" type="checkbox"/> 3.05 Design of Urban Expressway and Interstate</p> <p><input type="checkbox"/> 3.06 Traffic Operations Studies</p> <p><input type="checkbox"/> 3.07 Traffic Operations Design</p> <p><input type="checkbox"/> 3.08 Landscape Architecture</p>	<p>5. Topography</p> <p><input checked="" type="checkbox"/> 5.01 Land Surveying</p> <p><input checked="" type="checkbox"/> 5.02 Engineering Surveying</p> <p><input checked="" type="checkbox"/> 5.03 Geodetic Surveying</p> <p><input type="checkbox"/> 5.04 Aerial Photography</p> <p><input type="checkbox"/> 5.05 Aerial Photogrammetry</p> <p><input type="checkbox"/> 5.06 Topographic Remote Sensing</p> <p><input checked="" type="checkbox"/> 5.07 Cartography</p> <p><input checked="" type="checkbox"/> 5.08 Subsurface Utility Engineering</p>
	<p>6. Soils, Foundation & Materials Testing</p> <p><input type="checkbox"/> 6.01a Soil Surveys</p> <p><input type="checkbox"/> 6.01b Geological and Geophysical Studies</p> <p><input type="checkbox"/> 6.02 Bridge Foundation Studies Hydraulic and Hydrological Studies (Soils and Foundation)</p> <p><input type="checkbox"/> 6.03 Laboratory Materials Testing</p> <p><input type="checkbox"/> 6.04a Field Testing of Roadway Construction Materials</p> <p><input type="checkbox"/> 6.04b Hazard Waste Site Assessment Studies</p>
	<p>8. Construction</p> <p><input checked="" type="checkbox"/> 8.01 Construction Supervision</p>
	<p>9. Erosion and Sedimentation Control</p> <p><input checked="" type="checkbox"/> 9.01 Erosion, Sedimentation, and Pollution Control and Comprehensive Monitoring Program</p> <p><input type="checkbox"/> 9.02 Rainfall and Runoff Reporting</p> <p><input type="checkbox"/> 9.03 Field Inspections for Compliance of Erosion and Sedimentation Control Devices Installations</p>

C.1. a. Organizational Chart



Key Team Leaders / Additional Resource

Subconsultants

1 - AECOM

2 - Kittelson & Associates

3 - Mulkey Engineers

b. Primary Office

Jacobs' Atlanta office is located just eight blocks from GDOT's central office, which allows us to quickly respond to your needs. With a staff of 248 employees in our Atlanta office (See A. Minimum Requirements for staff breakdown), our Project Manager and Key Team Leaders have access to the depth of resources that may be needed to contribute to the success of this contract.

c. Narrative on Additional Resource Areas and Ability

One of Jacobs' strengths is our ability to successfully manage multiple projects associated with an overall program such as the safety projects generated out of the Office of Traffic Operations. Our team has management experience with roundabouts, quick response projects, and operational improvement projects and signal design projects. Our experience gives us the ability to manage our team, which includes AECOM and Mulkey Engineering, each of whom has an extensive background in managing and delivering GDOT projects through the PDP. In addition, our team includes Kittelson & Associates to provide expert peer reviews on roundabouts. This contract will require us to manage design firms hired by GDOT; our program management experience includes focused procedures and processes that will enable us to do just that. For example, we are managing more than 30 firms for the \$185M City of Atlanta public works joint venture contract, which recently resulted in a client satisfaction survey of 100%. Our understanding of strategic rather than tactical business planning, including annual reports, managing resources, and administrative operations, will bring a unique combination of program management and technical focus, assuring GDOT a program that is on point with every aspect. Our Program Manager **Derrick Vincent, PE**, will be responsible for identifying and assigning staff resources as appropriate for each project. To ensure delivery of the program and maintain project schedules, Derrick will hold monthly and quarterly project status meetings with our PMs who are managing the GDOT projects. These project meetings, similar to GDOT's let status and quarterly meetings, will be held at our Midtown Atlanta office and all team PMs will be required to attend in person. The purpose of these meetings will be to review schedules, cost and adherence to scope and identify issues that might require schedule recovery or mitigation. Derrick and the PM will create the recovery plan. These meetings will include **David Kasbo, PE**, our Traffic Safety SME. We will have a specific protocol associated with technical assistance for any traffic issues that arise on the projects. This will assure that any technical questions are answered quickly and completely, ensuring adherence to schedule. As an extension of GDOT, it will be imperative that we track the why and how of each project management decision. To ensure total accountability for project management decisions, our team will use NewForma as our record-keeping and communication tool. This will give GDOT a high-quality file of project decisions regardless of contract or designer changes, resulting in an additional level of assurance for these projects. In addition, Primavera 6 and Microsoft Project will assist Derrick and his team to continuously drive the scope, schedule and budget. Our project details will be posted on a dedicated Sharepoint site for access by all team members, allowing for consistency among all program memos, team communication notes and standard operating procedures such as our QA/QC processes. It will be imperative that all project management records, such as concept reports; responses to PFPRs and stakeholders; and invoices, are funneled through the same QA/QC process to maintain a consistent standard of quality. There will be no room for inconsistencies. As shown on our organization chart, we have additional PMs who will be available to accommodate expected fluctuations in workload. These PMs will not be assigned projects until the workload of our three key PMs is exceeded. To ensure that the additional PMs understand the program, they will be required to attend our quarterly project status meetings so they will be aware of the program's issues and processes. These additional PMs include **Alex Stone, PE**, who has over 20 years' experience in managing transportation projects. Alex has managed projects from inception to completion using the GDOT PDP process. In addition to delivering widening projects, he has managed intersection improvements such SR 53 at SR 124 in Braselton and Hewatt Road at Brownlee Lane in Snellville. In support of our PMs, additional technical personnel such as **Jeff Woodward** will be available to our team. Jeff retired from GDOT as a construction liaison and will provide additional oversight on our construction estimates to ensure their accuracy. He also will serve as a resource for construction issues that may arise on any particular project. **Marco Friend, PE**, has performed traffic engineering studies similar to those that have generated some of the projects we will manage. His experience will ensure that projects we manage continue to address the correct scope. In addition, he will identify and mitigate any operational issues associated with the solutions presented by the design team. **Perry Banks, TSOS, TOPS, CFOT**, has over 40 years' experience in traffic operations and will provide technical expertise in signal design. Perry is currently managing several corridors under RTOP and has worked on signal systems statewide for numerous local governments. **John Karnowski, PE, PTOE, AICP**, brings more than 27 years' experience in traffic engineering. John has performed signal timing, speed studies, intersection safety audits and has designed ITS master plans and intersection improvement projects. **Jude Abella, AVS** and **Christi Gallo, CCP, AVS**, project controls and Primavera experts, will assist Derrick with reviews of schedules and cost estimates.

d. Identify Additional Resources

Gerald Ross, PE

Gerald Ross' career began in 1982 in GDOT's Office of Traffic Operations reviewing projects from an operational perspective. Gerald was responsible for the review of the Downtown Connector from University to North Avenue. In addition, he designed signing and marking plans as well as sign designs for several GDOT projects. His understanding of traffic operations was paramount in his creation of the RTOP program as well as creating and implementing the roundabout policies and programs that are being implemented today by GDOT. Under Gerald's leadership, GDOT re-implemented the quick response program that targeted operational improvements with limited impact to environmental and required no ROW. Traffic operations principles were a key element of Gerald's philosophy as a designer in the Office of Urban Design and as Chief Engineer. In addition to his design abilities, Gerald demonstrates excellent knowledge of other agencies and the ability to get permits and actions approved through those agencies.

a. **Education** BS, Civil Engineering, Tennessee Technological University (1982)

b. **Registration** Registered Professional Engineer, GA (#21204)

c. *Relevant Experience with On-call Contracts*

GDOT Fast Forward Project Delivery. Managed an **on-call task order contract** assigned to the Office of Road Design to facilitate the accelerated delivery of the Governor's Fast Forward Program. Contract was for three years/\$3 million. Gerald served as the Program Manager for the Fast Forward projects assigned to Road Design. The Fast Forward Projects included all rural interstates and GRIP corridors. Gerald's responsibilities included monitoring and evaluating schedules and cost of the Fast Forward Projects. Based on his analysis and discussions with the Design Group Managers (DGM) in Road Design, Gerald determined the need for assistance in completing task such as staging plans, ROW plans, MOT, drainage, and the summary of quantities.

1994 Accelerated Flood Project Response. Project Manager for flood projects of 1994. Managed a group of six engineers and two draftsmen who responded daily to new project programming caused by the floods (similar to task orders). Gerald had access to four additional engineers in Urban Design when the number of projects ramped up. Project scopes included design of approach slabs, bridge replacements, sections of complete roadway design, drainage design, utility plans, design and replacement of retaining walls, and traffic signal design. Projects were completed and let to bid weekly. Duties involved assessing damage with construction personnel on site and determining scope of work. Gerald was responsible for quality assurance, tracking schedule completion, scope and budget, and requesting resources from bridge design, utility office, and engineering services.

Kennedy Interchange (now Cumberland Interchange) and Kennedy Parkway (now Cumberland Parkway), Cobb County, Georgia. Project Manager over project that included four contracts -- construction of a new interchange (Cumberland Interchange), HOV interchange (Akers Mill), I-75 northbound flyover to I-285, and I-285 to I-75 southbound CD. Gerald demonstrated his ability to manage several design activities on **multiple projects simultaneously**. Initially, the projects were to be let separately and designed on different schedules. During the design phase, a decision was made to let all the projects together as one contract. Gerald was able to marry the schedules and expedite design efforts of all the contracts (successfully let as one project). At that time, the project was the highest let project in GDOT history. Gerald's duties included coordinating the improvements with Cobb County DOT and FHWA.

d. *Relevant Experience Using GDOT Specific Processes, Manuals or Guidance*

- Plan Development Process
- Design Policy Manual
- Signing and Marking Guidelines
- Traffic Signal Design Guidelines
- Plans Preparation Guide
- Driveway and Encroachment Control Manual
- Electronic Data Guidelines
- Pavement Design Manual
- Drainage Manual
- Environmental Procedures Manual
- Bridge and Structures Design Manual

e. *How the Additional Resources Will Reflect an Expedited Approach*

Gerald brings to the team the unique combination of strong leadership skills, experience managing program management and on-call-type contracts, and knowledge of traffic operations. Throughout his GDOT career, Gerald applied his understanding of traffic operations to his creation of the RTOP program, the re-implementation of the quick response program, and his review of the Downtown Connector from University to North Avenue. In addition, he served as Project Manager for the Fast Forward Project Delivery contract and the 1994 Accelerated Flood Project Response.

