LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

LaDOTD IDIQ Contract for Vulnerable Road User Technical Assistance Statewide

Contract No. 4400034080

January 29, 2026

RK&K

DOTD FORM: 24-102

(Revised August 11, 2025)

PROPOSAL TO PROVIDE CONSULTANT SERVICES

Prime consultant shall complete the DOTD Form 24-102 without altering the Form's text; however, the instruction and/or guidance for Sections 12 through 23 can be removed but do not remove Section title and number.

ANY CONSULTANT FAILING TO SUBMIT ANY OF THE INFORMATION REQUIRED ON THE DOTD FORM 24-102, OR PROVIDING INACCURATE INFORMATION ON THE DOTD FORM 24-102, MAY BE CONSIDERED NON-RESPONSIVE.

1. Contract Name as shown in the advertisement	IDIQ Contract for Vulnerable Road User (VRU) Technical Assistance Statewide
2. Contract Number(s) as shown in the advertisement	Contract No. 4400034080
3. State Project Number(s), if shown in the advertisement	N/A
4. Prime consultant name **(name must match exactly as registered with the Louisiana Secretary of State (SOS) where such registration is required by law; including punctuation; include screenshot from SOS at the end of Section 20)**	Rummel, Klepper & Kahl, LLP
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	EF.0006004
6. Prime consultant mailing address	565 Marriott Drive, Suite 650 Nashville, TN 37214
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	565 Marriott Drive, Suite 650 Nashville, TN 37214
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Stuart Samberg, PE, PTOE, PTP, RSP, DBIA - Executive Director 919.369.0924 ssamberg@rkk.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Nathan Atkinson, PE - Partner 410.299.3224 natkinson@rkk.com

10. This is to certify that all information contained herein is accurate and true, and that the team presently has sufficient staff to perform these services within the designated time frame. By submitting this proposal, proposer certifies that it is not engaged in a boycott of Israel and it will, for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response. **Pursuant to Act No. 581 of the 2024 Louisiana Legislature Regular Session, proposer further certifies that it does not have a practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association based solely on the entity's or association's status as a firearm entity or firearm trade association. In addition, proposer certifies it will not discriminate against a firearm entity or firearm trade association during the term of the contract based solely on the entity's or association's status as a firearm entity or firearm trade association.**	 Signature above shall be the same person listed in Section 9: January 29, 2026 Date:
11. If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.	Firm(s): Firm(s)' %: **No DBE goal**

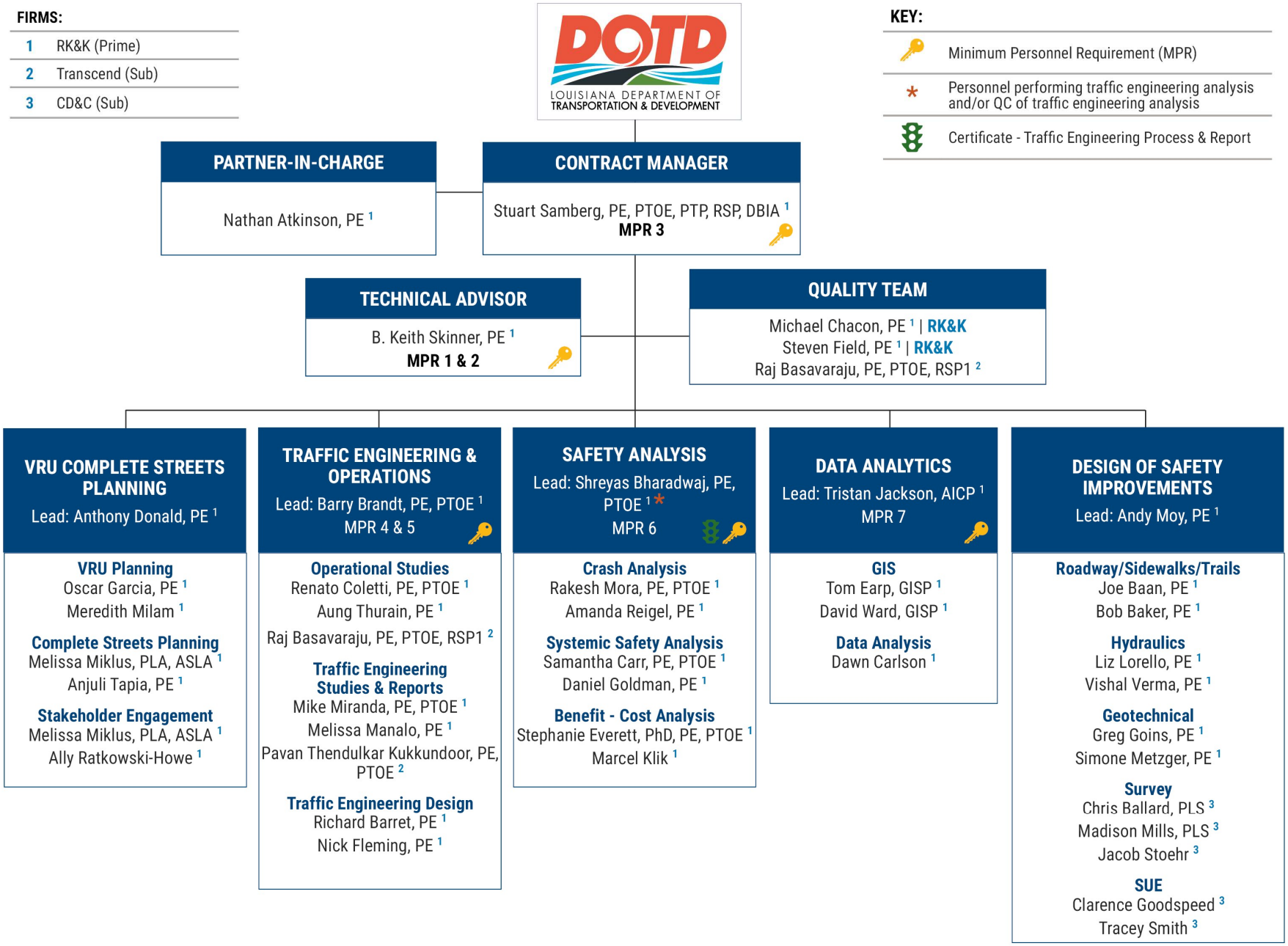
12. Discipline Table:

Discipline(s)	% of Overall Contract	Rummel, Klepper & Kahl, LLP	Transcend Engineers + Planners, LLC	Civil Design & Construction, Inc. (CD&C)	Each Discipline must total to 100%
Planning	55%	75%	25%	0	**100%**
Traffic	25%	70%	30%	0	**100%**
Road	10%	85%	15%	0	**100%**
Survey	2%	0	0	100%	**100%**
Data Collection	8%	70%	30%	0	**100%**
Identify the percentage of work for the **overall contract** to be performed by the prime consultant and each sub-consultant.					
Percent of Contract	**100%**	73%	25%	2%	100%

13. Team Size:

Firm Name	DOTD Job Classification	Number of personnel committed to this contract *	Total number of personnel available in this DOTD Job Classification (if needed)
Rummel, Klepper & Kahl, LLP (RK&K)	Principal	1	6
	Engineer	3	7
	Engineer - Other	24	515
	GIS Analyst	2	10
	Planner	6	49
Transcend Engineers + Planners, LLC	Engineer - Other	2	5
Civil Design & Construction, Inc. (CD&C)	Surveyor	2	2
	Party Chief	1	5
	Senior Technician	1	6
	Supervisor – Other (SUE)	1	1

14. Organizational Chart:



Rummel, Klepper & Kahl, LLP (RK&K)

15. Minimum Personnel Requirements:

MPR No. Do not insert wording from ad	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license and discipline meeting MPR/ certification & number (Ex: PE # - Civil)	State of license	License / certification expiration date
1	**Brian Keith Skinner, PE** 37 years of experience	RK&K Rummel, Klepper & Kahl, LLP	PE #019834 - Civil	NC	12/31/26
2	**Brian Keith Skinner, PE** 37 years of experience	RK&K Rummel, Klepper & Kahl, LLP	PE #019834 - Civil	NC	12/31/26
3	**Stuart Samberg, PE, PTOE, PTP, RSP, DBIA** 21 years of experience	RK&K Rummel, Klepper & Kahl, LLP	PE.0043906 - Civil PTOE #3870 PTP #615 RSP #68 DBIA #D-3308	LA USA USA USA USA	03/31/26 07/21/27 11/20/26 12/21/27 12/31/26
4	**Barry Brandt, PE, PTOE** 35 years of experience	RK&K Rummel, Klepper & Kahl, LLP	PE.0049229 – Civil PTOE #115	LA USA	03/31/27 02/01/29
5	**Barry Brandt, PE, PTOE** 35 years of experience	RK&K Rummel, Klepper & Kahl, LLP	PE.0049229 – Civil PTOE #115	LA USA	03/31/27 02/01/29
6	**Shreyas Bharadwaj, PE, PTOE** 15 years of experience	RK&K Rummel, Klepper & Kahl, LLP	PE.0049933 - Civil PTOE #4624	LA USA	09/30/27 03/27/28
7	**Tristan Jackson, AICP** 13 years of experience	RK&K Rummel, Klepper & Kahl, LLP	AICP #33906	USA	03/31/26

16. Staff Experience:

Firm employed by: RK&K					
Name	**Brian Keith Skinner, PE**			Years of relevant experience with this employer	37
Title	Partner			Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			BS / 1990 / Civil Engineering		
Active registration number / state / expiration date			PE #019834 / NC / 12.31.26 + other states (upon request)		
Year registered	1994	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Technical Advisor | **MPR 1 & 2**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	As a partner, Keith is responsible for providing management and oversight for multiple offices throughout the Southeast. He excels in all aspects of transportation engineering and his extensive involvement with traditional design-bid-build and design-build projects provides him with a thorough knowledge of procedures, policies, and practices. In addition to his design expertise and management skills, his knowledge of RK&K's QA/QC procedures is instrumental to the success of RK&K projects.
01/18 - 06/23	**City of Raleigh | Poole Road Widening & Signal Design Project, Raleigh, NC:** Keith was the principal/partner-in-charge for widening Poole Road from a two-lane shoulder section to a four-lane divided section with curb and gutter and sidewalk. The project included roadway design, storm drainage and stormwater design, geotechnical investigations/design, utility design, utility coordination, and traffic analysis/design.
08/13 – 04/14	**City of Raleigh | Sandy Forks Road Improvements, Raleigh, NC.** Keith was the principal-in-charge/manager responsible for the oversight and allocation of staff for 1.2 miles of Sandy Forks between Six Forks Road and Falls of Neuse Road. This project improved traffic capacity and congestion, pedestrian connectivity, safety, and provide a multi-modal solution between the residential and retail/business districts at each end of the corridor. Sandy Forks is the first "Greenroad" in Raleigh. The scope of services included nearly all RK&K's in-house transportation design and related services.
02/22 - Ongoing	**South Carolina Department of Transportation | Isle of Palms (IOP) Connector Bike/Ped Pavement Marking Study, Charleston County, SC:** As partner-in-charge, Keith provided support and overall oversight to ensure that the project team had the staffing, equipment, and other resources needed to successfully complete the study. RK&K developed a corridor study and 10 design alternatives that focus on bicycle and pedestrian alternatives along the SC 517 bridge, including the intersection of SC 517 with SC 703 (Palm Boulevard). The goal was to develop alternatives that maximized the typical section for all travel modes.
03/18 - 10/20	**City of Raleigh | Leesville Road Widening/Improvements, Wake County, NC:** Keith was the principal and then partner-in-charge for this 1.2-mile project that involved widening of Leesville Road to a two-lane divided avenue from Westgate Road to O'Neal Road with a median and turn lanes appropriately placed. This project improved the traffic flow and created a safe roadway section for all modes of transportation. Planned improvements included a raised grass median, multi-use path, curb and gutter, landscaping, and the addition of streetlights.
07/24 – Ongoing	**Gwinnett County | Gwinnett County Safety Action Plan, Gwinnett County, GA:** Keith served as principal-in-charge for all efforts associated with the development of a comprehensive roadway safety action plan for Gwinnett County. The safety action plan will identify high-priority

	roadway segments, analyze crash emphasis areas and roadway characteristics, and propose tailored policies and roadway design improvements to proactively and systematically reduce fatalities and severe injuries in Gwinnett.
02/17	**City of Raleigh | Yonkers Road Improvements, Raleigh, NC:** Keith is the principal-in-charge for this project and responsible for the design of this .2-mile widening and rehabilitation of Sandy Forks Road between Six Forks Road and Falls of Neuse Road. RK&K worked closely with the City's staff and the local stakeholders to improve traffic capacity and safety, provide bicycle and pedestrian facilities, minimize right-of-way impacts, and design the City's first ever sustainable transportation project.
01/21 - 05/23	**North Carolina Department of Transportation | 2021 TMSD Limited Services Contract, Statewide, NC:** Keith was the partner-in-charge for this on-call contract to provide a range of services on an as-needed task basis including traffic management, transportation systems management and operations, traffic safety, signing and delineation, oversize and overweight load and vehicle operations, and transportation mobility and safety.
11/20 - 12/21	**Paulding County Department of Transportation | Buchanan Highway (SR 120) at Scoggins Road (SR 120 Connector) Intersection Safety Improvements, Paulding County, GA:** Keith was the partner-in-charge responsible for this intersection improvement project which was partially funded by GDOT. The project included adding turn lanes along Buchanan Highway, safety improvements, and improving shoulders and ditches. The scope of work included survey, roadway and traffic design, erosion control plans, and environmental screening.
07/19 - Ongoing	**South Carolina Department of Transportation | 2019 On-Call Traffic Safety Engineering Services Contract, Statewide, SC:** As partner-in-charge, Keith ensures that the project team has the staffing, equipment, and other resources needed to successfully complete task assignments. Under this on-call contract, RK&K provides a broad range of services in response to SCDOT's requests for analysis and design of statewide traffic safety projects. Task assignments have included traffic data analysis, traffic modeling, and intersection improvement design to reduce the number and severity of crashes at intersections; converting a 3.25-miles of five-lane roadway to a superstreet to improve traffic safety and operations; and multimodal alternatives analysis for a bridge.

Firm employed by: RK&K					
Name	**Stuart Samberg, PE, PTOE, PTP, RSP, DBIA**			Years of relevant experience with this employer	17
Title	Executive Director			Years of relevant experience with other employer(s)	4
Degree(s) / Years / Specialization			MS / 2014 / Sustainable Transportation Engineering ● BS / 2006 / Civil Engineering		
Active registration number / state / expiration date			PE.0043906 / LA / 3.31.26 + other states (upon request); PTOE #3870 / USA / 7.21.27 PTP #615 / USA / 11.20.26; RSP #68 / USA / 12.21.27; DBIA #D-3308 / USA / 12.31.26		
Year registered	2019	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Contract Manager | **MPR 3**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Stuart has experience in developing and delivering a wide range of transportation projects across the country. Over the past decade, he has managed more than $50 million in IDIQ and on-call contracts. Stuart is responsible for all facets of transportation engineering from planning and analysis to design for roadways, highways, transit facilities, and bicycle and pedestrian access improvements. His experience includes all aspects of transportation planning and traffic engineering including traffic studies, signal design, signal timing optimization, corridor studies, traffic signing and marking plans, maintenance of traffic plans, street lighting, and intersection geometric improvements. His experience has been focused on traffic analysis and developing innovative and cost-effective solutions to operational and safety challenges.
02/22 - ongoing	**Mississippi Department of Transportation | IDIQ Master On-Call Contract for Traffic Engineering Services, Statewide, MS:** Stuart served as contract manager for this IDIQ contract to perform operational and safety studies and develop roadway, signal, signing/marking, ITS, and other engineering design plans for proposed safety improvements. The first three tasks under this contract involved identifying high-crash locations and designing the implementation of proven safety countermeasures to address issues at each location. To date, five tasks have been assigned, including traffic studies and design plans at three intersections—US 49 at MS 149 (Simpson County), US 82 at Sturgis-Maben Road (Oktibbeha County), and SR 76 at SR 23 (Itawamba County). Stuart is also responsible for developing the new Traffic Control for Maintenance Operations (TCMO) modifications document in accordance with the 11th Edition of the MUTCD. He also develops project scopes and staffing plans, oversees quality efforts, and assures project delivery in accordance with MDOT requirements and expectations.
04/19 - 10/24	**Virginia Department of Transportation | Statewide Planning & Preliminary Design for Strategically Targeted Affordable Roadway Solutions (STARS), Statewide, VA:** Stuart served as contract manager for this on-call contract involving conducting planning level operational, safety, and preliminary engineering studies throughout Virginia as part of the STARS program. The STARS program is intended to develop projects that will be programmed in the VDOT Six-Year Improvement Program (SYIP). Services provided as part of these tasks include data collection, traffic analysis, intersection/urban arterial analysis, freeway/expressway analysis, roundabout analysis, GIS/mapping, travel demand modeling, and public involvement. Tasks managed under this contract include the Arlington Boulevard Safety Study and the Danville Main Street sidewalk project, as well as the development of numerous SMART SCALE applications with over 60% success rate in project funding.
07/24 - Ongoing	**Gwinnett County | Gwinnett County Safety Action Plan, Gwinnett County, GA:** As contract manager, Stuart oversees all efforts associated with the development of a comprehensive roadway safety action plan for Gwinnett County. The safety action plan will identify high-priority roadway segments, analyze crash emphasis areas and roadway characteristics, and propose tailored policies and roadway design improvements to proactively and systematically reduce fatalities and severe injuries in Gwinnett.

10/21 – 07/24	**Arlington County | Vision Zero Implementation, Arlington County, VA:** As project manager, Stuart supervised traffic engineering services for the development of the County's Vision Zero Action Plan—a strategy to eliminate all traffic fatalities and severe injuries while increasing safe, healthy, and equitable mobility for all. This plan included the development of implementable strategies, both individual projects and systemic improvements to address safety. An extensive public involvement was undertaken to gauge feedback from residents, including pop-up meetings and discussions with community leaders. Strategies developed included speed humps, parking enforcement items, reduced speed limits, and intersection improvements, among others.
05/15 – 08/18	**Florida Department of Transportation | District One: SR 865 (San Carlos Boulevard) Operational Analysis from South of Estero Boulevard to CR 869 (Summerlin Road), Fort Myers & Lee Counties, FL:** Stuart served as a project engineer for the PD&E study evaluating the access to Fort Myers Beach along SR 865. During peak season, drivers experience queues of up to one hour accessing the island. This study involved the development of a comprehensive VISSIM model for the entire corridor which ran approximately 17 simulation hours to capture the complete impact of the queue. The team modeled multiple short-term, low-cost improvements to assess the impact of addressing recurrent congestion hotspots along the corridor.
12/21 – 10/25	**Virginia Department of Transportation | Statewide General Planning Services Contract, Statewide, VA:** As the contract manager, Stuart is providing oversight and overall contract management of all tasks under this contract. Tasks included SMART SCALE application and scoring support for three districts, multiple corridor studies (including non-motorized corridors), and development of Six-Year Improvement Program (SYIP) Public Hearing maps. General scope of this contract included tasks which advanced and promoted statewide long-range, short-range, and multi-modal planning, improving mithe coordination between land use and transportation planning, and working with localities and other planning agencies to ensure multi-modal solutions were identified and considered for advancement in the SYIP.
08/20 - Ongoing	**City of Raleigh | Six Forks Road Improvements, Raleigh, NC:** Stuart served as director for professional design services for improvements to Six Forks Road from Lynn Road to Rowan Street and a new roundabout at E. Rowan Street and Revere Drive. The project aimed to identify treatments for Six Forks Road that improve traffic conditions and incorporate Complete Street elements, including sidewalks and separated bikeways on both sides of the road and protected intersections at all signalized intersections.
03/22 – 03/23	**South Carolina Department of Transportation | Isle of Palms (IOP) Connector Bike/Ped Pavement Marking Study, Charleston County, SC:** Stuart served as project manager for a study focused on improving bicycle and pedestrian alternatives along the SC 517 (Isle of Palms Connector) bridge, including the intersection of SC 517 with SC 703 (Palm Boulevard). As part of this corridor study, RK&K evaluated existing travel patterns, future demands, and performed a capacity analysis at the two intersections at each end of the corridor study and along the bridge. The alternatives focused on maximizing the typical section for all modes, including bicycle and pedestrians, and evaluating potential new connections in the area.

Firm employed by: RK&K			
Name	**Barry Brandt, PE, PTOE**	Years of relevant experience with this employer	35
Title	Executive Director	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		MS / 1991 / Civil Engineering ● BS / 1990 / Civil Engineering	
Active registration number / state / expiration date		PE.0049229 / LA / 3.31.27 + other states (upon request); PTOE #115 / USA / 2.01.29	
Year registered	2024	Discipline	Civil
Contract role(s) / brief description of responsibilities		Traffic Engineering & Operations Lead | **MPR 4 & 5**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	As a director in RK&K's traffic engineering department, Barry oversees a staff of engineers and designers responsible for traffic control device and roadway lighting design, ITS planning and design, and traffic engineering analyses and studies. He has substantial experience leading large open-end contracts and has served as contract manager/liaison for 15 traffic engineering or ITS contracts worth more than $45 million for clients such as the Virginia Department of Transportation and Arlington County. Barry's expertise includes traffic control device design, ITS system planning and device design, traffic engineering analyses and studies, review of shop drawings and catalog cuts, and drafting of special provisions for specialty items. In recognition of his service, Barry was awarded the "Outstanding Public Service Award" from ACEC in recognition of his representation of the engineering profession through community service.
01/23 - 01/25	**Maryland State Highway Administration | TSMO, ATM, ICM & CATS Design & Technical Services, Statewide, MD:** Barry was the project manager responsible for ITS planning and design, coordination of ATMS software element modifications, engineering design, construction coordination, project management, and stakeholder coordination.
01/20 - 10/20	**Arlington County | Multi-Modal Traffic Engineering, Operations, ITS Planning & Project Management Services, Arlington County, VA:** This five-year, on-call contract included multimodal traffic engineering, operations, and ITS design. Task orders were assigned, including the analysis of travel demand forecasting and VISSIM analysis for the Pentagon City and Crystal City portions of the County to account for proposed land-use changes being evaluated by the Department of Planning and Zoning. Barry performed traffic engineering services for the development of the County's Vision Zero Action Plan—a strategy to eliminate all traffic fatalities and severe injuries while increasing safe, healthy, equitable mobility for all—as well as performed traffic engineering services to evaluate the feasibility of accommodating potential new bike lanes on Wilson Boulevard.
05/17 - 05/23	**Maryland State Highway Administration | I-270 Innovative Congestion Management (ICM) Ramp Metering Progressive Design Build, Montgomery & Frederick, MD:** Barry served as ITS and traffic project manager leading services for a program along I-270 that included 12 distinct roadway improvements and ramp metering to increase capacity, increase vehicular throughput, and address safety deficiencies by strategically reducing or eliminating existing bottlenecks. He developed or directed traffic data collection, field investigations, corridor analysis, traffic capacity analysis, safety analysis, engineering report preparation, lighting analysis, maintenance-of-traffic alternatives analysis, cost estimating, ramp-metering signal timing, traffic control device inventory and design, work-zone traffic control design, minor geometric design, development of improvement concepts, and public outreach. He performed construction-related services, including shop-drawing review, source-of-supply review, responding to RFIs, and ramp-metering site acceptance testing and system testing.

01/16 - 03/19	**Maryland State Highway Administration | Various Traffic Engineering Studies & Analysis, Statewide, MD:** Barry served as the project manager responsible for the development of systems engineering documents for the Smart Traffic Signals statewide program. The program encompassed several TSM&O strategies, including Adaptive Traffic Signal Control Technology (ASCT) and Signal Performance Measures (SPM) that assisted with decreasing congestion, improving safety, and improving air quality in Maryland. The system used real-time traffic conditions and computer software that adjusted signal timing, synchronized corridors, and deployed artificial intelligence to keep traffic moving. The effort entailed the development of additional systems engineering document templates including the Systems Engineering Management Plan (SEMP) and the Systems Engineering Requirements Form (SERF). In addition, Barry led the development of documents for specific implementations along the MD 2 and MD 108 corridors.
06/22 - 12/25	**Maryland Transportation Authority | On-Call ITS & Electrical Design Services, Statewide, MD:** Barry served as contract manager responsible for QA/QC for all tasks on this task-order-based contract. Efforts included ITS analyses and design; electrical systems design; traffic control device design and evaluation; lane use control signal and DMS design; operations planning; ancillary structure design and analyses, including the foundation and structural design of sign supports; geotechnical investigations and utility designations; roadway and sign lighting evaluation, analysis, and design; product and material evaluations; preparation of contract documents for advertised construction contracts and on-call task orders; research related to traffic and safety topics; experimentation and pilot projects; permit applications for construction activities; development of localized regional DMS message plans; traffic data collection and analysis; engineering support during construction (shop-drawing reviews and RFIs); cost estimating; development and management of project and task schedules; and preparation of plans, specifications, and estimates.
11/20 - 08/24	**Maryland State Highway Administration | I-695, from I-70 to MD 43, Design-Build, Baltimore County, MD:** Barry served as lead traffic engineer supporting a design-build project to deploy static-dynamic part-time shoulder use (PTSU), a TSMO strategy, to improve congestion and safety in the project area. He performed a corridor analysis to identify congestion bottlenecks, safety hot spots, substandard geometry, and potential pinch points for PTSU operations. He directed traffic engineering studies, including capacity analysis using VISSIM and Synchro; safety studies including crash analysis using predictive methods such as iSATe; traffic signal timing to improve side-street delay; lighting analysis to identify areas with sub-standard lighting due to PTSU implementation; and evaluation of signing based on the Notice of Proposed Amendment to the MUTCD. He directed computer modeling to perform capacity analysis following MDOT SHA guidelines, including calibration and required run counts. He performed congestion-mitigation studies to determine PTSU limits and hours of operation. He performed minor geometric design to identify shoulder and lane-width modifications, cross-slope modifications, and traffic-barrier modifications. Barry developed improvement concepts focused on median PTSU, ATM/ITS lane-use control, local and wide-area network design, automated incident detection, communications and control systems, decision-support systems, and enhanced surveillance. He directed cost estimating for all improvement concepts. Barry performed QA/QC for traffic control device inventory and design for all signing, pavement markings, lighting, and ITS on the I-695 mainline. He directed work-zone traffic control design, coordinated through MDOT SHA District 4 traffic. He performed engineering report preparation, including the Concept of Operations and Traffic Analysis Report. Directed efforts included field investigations and CADD/drafting using MicroStation.

Firm employed by: RK&K			
Name	**Shreyas Bharadwaj, PE, PTOE**	Years of relevant experience with this employer	12
Title	Project Delivery Leader	Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization	MS / 2013 / Civil Engineering ● BE / 2011 / Civil Engineering		
Active registration number / state / expiration date	PE.0049933 / LA / 9.30.27; + other states (upon request); PTOE #4624 / USA / 3.27.28 **Traffic Engineering Process & Report (TEPR) Class Modules 1, 2, & 3 / LTRC**		
Year registered	2025	Discipline	Civil
Contract role(s) / brief description of responsibilities	Safety Analysis Lead | **MPR 6**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Shreyas is a Project Delivery Leader with experience in traffic engineering and planning, including the design of non-motorized user facilities and traffic control devices. His specialty areas include congestion management studies, feasibility studies for widening projects, travel demand modeling, transit studies, traffic impact analysis, transportation planning, and traffic operation and safety studies. Shreyas' responsibilities include all aspects of traffic engineering and transportation planning, including capacity analysis, crash analysis, traffic operational analysis, microsimulation, traffic signal design, traffic impact studies, signal warrant analysis, turn lane warrants, signal timing optimization, traffic signing and marking plans, travel demand forecasting, and urban street design. He is proficient in various software packages, including HCS, Synchro/SimTraffic, Sidra, VISSIM, TransModeler, CUBE, TransCAD, FHWA's Surrogate Safety Assessment Model (SSAM), and MicroStation. Additionally, Shreyas has completed Traffic Engineering Analysis Process & Report Class Modules 1, 2 & 3.
02/22 - 01/23	**South Carolina Department of Transportation | 2020 On-Call Roadway Design, Intersection Improvements, & Interstate Reconstruction Engineering Services, Statewide, SC:** As lead traffic engineer, Shreyas performed traffic safety and operational analyses, as well as traffic forecasting on task assignments to address existing safety deficiencies at intersections. He was responsible for all traffic engineering work; developed improvement alternatives, including roundabouts with safety improvement measures; and developed the traffic reports.
12/22 - 07/24	**North Carolina Department of Transportation | 2021 TMSD Limited Services Contract, Task: Traffic Safety Fatal Crash Analyses, Multiple Locations, NC:** As project manager, Shreyas led the RK&K Team tasked with evaluating 125 fatal crashes statewide. Each fatal crash assessment included a rapid turnaround within five business days from the day the task was assigned. Shreyas' tasks included extracting historic crash data using NCDOT's Traffic Engineering Accident Analysis System (TEAAS), extensive coordination with NCDOT's Traffic Safety Unit, and developing a narrative identifying causal factors. Project next steps included field investigation and the incorporation of identified countermeasures.
01/24 - 04/24	**North Carolina Department of Transportation | 2021 TMSD Limited Services Contract, Task: SPOT P7 Prioritization for STIP, Statewide, NC:** As part of NCDOT's project prioritization process, RK&K evaluated over 75 projects statewide submitted for consideration to be included in the STIP by the MPO, RPO, or the Division. Shreyas served as the contract/project manager responsible for developing traffic forecasts, detailed microsimulations utilizing TransModeler, evaluating numerous safety and operational improvements, including roundabouts, reduced conflict intersections (RCIs), alternative intersection configurations (such as quadrant, reverse RCI, CFI, etc.), and coordinating with different NCDOT units. RK&K completed all the assignments on time and on budget and earned the reputation of being one of Congestion Management's go-to firms.
10/24 - Ongoing	**Virginia Department of Transportation | Statewide Planning & Preliminary Design Studies Under the STARS Program (2022), Statewide, VA:** Shreyas has served as project manager for multiple corridor studies under this on-call contract, which involved conducting planning level operational, safety, and preliminary engineering studies throughout Virginia as part of the STARS program. The STARS program is intended

	to develop projects that will be programmed in the VDOT Six-Year Improvement Program (SYIP). Services provided as part of these tasks included data collection, traffic analysis, intersection/urban arterial analysis, freeway/expressway analysis, roundabout analysis, GIS/mapping, travel demand modeling, conceptual design, cost estimates, and public involvement.
11/23 - 07/24	**South Carolina Department of Transportation | SC 11 at South Saluda Road Traffic Analysis, Pickens County, SC:** As project manager, Shreyas was responsible for traffic forecasting, crash analyses, operational analyses, alternatives development, concepts, and cost estimates. To address traffic safety and operational issues, RK&K developed a traffic study in coordination with the Greenville-Pickens Area Transportation Study (GPATS) and Pickens County that included detailed crash and operational analyses, traffic forecasting, conceptual designs, cost estimates, and benefit-cost analyses (BCAs).
08/24 - 07/25	**Union County, NC | 2024 Critical Intersection Analysis Design & Cost Estimate Study, Various Locations, NC:** Shreyas served as the lead traffic engineer responsible for the performance of traffic forecast, as well as operational and safety analysis. His additional responsibilities included the identification of alternative improvement options, stakeholder engagement, public meetings, and the development of a technical report summarizing all project efforts.
03/19 - 06/21	**North Carolina Department of Transportation | 2018 Transportation Mobility & Safety Division LSA, Statewide, NC:** As the contract and project manager, Shreyas assisted NCDOT with the project prioritization process. RK&K was involved in evaluating over 100 projects in the past five years (including a combination of individual intersections and corridors) that were submitted for consideration to be included in the State TIP by the MPO, RPO or the Division. His responsibilities included performance of a detailed assessment of each study intersection and corridor through operational analysis and recommended improvement options to enhance safety and operations for all projects. Additionally, Shreyas also led an assignment to provide Fatal Crash Analyses for the Traffic Safety Unit, which included the evaluation of 275 fatal crashes statewide.
11/18 - 11/19	**North Carolina Department of Transportation | 2016 Planning & Design On-Call Limited Services Contract, Task: R-5709 (TO#1&3), Moore & Hoke Counties, NC:** As task manager, Shreyas was responsible for the performance of operational analysis, traffic forecasting, and crash analysis of the widening of NC 211 to a four-lane median-divided facility from US 15-501 in Aberdeen to SR 1244 (West Palmer Street)/SR 1311 (Mockingbird Hill Road) in Raeford, NC.
08/24 - 09/25	**Gwinnett County | Gwinnett County Safety Action Plan, Gwinnett County, GA:** As the lead engineer, Shreyas assisted Gwinnett County with the development of a safety action plan. His responsibilities included data collection, traffic safety analysis, development of countermeasures, stakeholder engagement, and the development of the final action plan.
10/22 - 04/24	**City of Chattanooga | On-Call Green Infrastructure Design Plan Production, Task: Broad Street Vision Plan Preliminary Engineering, Chattanooga, TN:** Shreyas was the lead traffic engineer for the Broad Street Vision project. The traffic analysis focused on the proposed changes in roadway geometry along Broad Street, aimed at providing high-quality multimodal elements on this important urban corridor in the City, which linked two of the City's most important assets — Downtown and the Riverfront.

Firm employed by: RK&K					
Name	**Tristan Jackson, AICP**			Years of relevant experience with this employer	4
Title	Project Manager			Years of relevant experience with other employer(s)	9
Degree(s) / Years / Specialization			MS / 2017 / Urban Planning • BA / 2011 / International Relations		
Active registration number / state / expiration date			AICP #33906 / USA / 3.31.26		
Year registered	2022	Discipline	Planner – Urban/Regional		
Contract role(s) / brief description of responsibilities			Data Analytics Lead | **MPR 7**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Tristan brings experience as a transportation planner across the public and private sectors. His areas of expertise include safety, active transportation planning, federal grants, shared micro-mobility, and transit. Prior to RK&K, Tristan was a transportation planner in the public sector, getting his start in safety planning working on Vision Zero projects for the New York City DOT. Since transitioning to the private sector, he has managed and contributed to a variety of transportation projects, including local road safety plans, pedestrian safety action plans, Vision Zero plans, railroad crossing safety plans, Complete Street policies, long-range transportation plans, roadway departure analysis, Safe System Approach (SSA) workshops, trail network plans, and downtown connectivity plans.
01/24 – 10/24	**Prince George's County DPWT | Sidewalk Project Criteria, Prince George's County, MD:** As a planner, Tristan worked closely with staff at the County to develop a methodology for identifying and prioritizing sidewalk capital and maintenance projects. The ultimate deliverable is a web tool that will draw from existing and active databases to provide real-time priority scores for sidewalk projects across the County. Variables investigated are frequency of 311 requests, average age of 311 requests, pedestrian crash data, previous plan identification, and pedestrian volumes, among others.
07/23 – 09/24	**Maryland Transit Administration (MTA) | Germantown Station 30%, Montgomery County, MD:** Tristan was the primary planner on a 30% station area redesign that included re-siting of the bus loop within the Germantown MARC station parking lot and an associated bicycle and pedestrian circulation plan in Montgomery County. Duties included GIS analysis and cartography, report writing, and coordinating disciplines such as natural resources, stormwater management, and landscape design, etc. Tristan provided crash data analysis, bicycle level of traffic stress analysis, and on-site assessments to support the multimodal circulation portion of the project.
07/24 - Ongoing	**Gwinnett County | Gwinnett County Safety Action Plan, Gwinnett County, GA:** Tristan is the project manager for the development of Gwinnett County's Safety Action Plan—Safe Travels, Gwinnett. This ambitious plan combined the results of extensive public outreach, a series of highly interactive stakeholder workshops, policy review and recommendations, and in-depth quantitative and systemic crash analysis to formulate a clear and tangible safety action plan. Safe Travels, Gwinnett was purpose-written to be eligible and competitive for implementation funding sources, once adopted.
03/22 – 12/22	**Maryland State Highway Administration (MDOT SHA) | Context Driven Continued Services, Statewide, MD:** Tristan was the liaison to the MDOT SHA project management team for context driven initiatives, leading the efforts to create the Context Driven Toolkit for MDOT SHA and consultant engineers, the Pedestrian Safety Action Plan Technical Memorandum, the Pedestrian Safety Action Plan, and the Context Driven website. The large, complex, multi-year planning effort is simultaneously creating several documents designed to work in conjunction and to create a safer, more accessible network for pedestrians and bicyclists in Maryland.
11/22 – 05/23	**Town of Blacksburg | Draper Road Streetscape, Town of Blacksburg, VA:** Tristan served as project planner for the development of sustainable streetscape concepts that enhance safety, celebrate the history of Blacksburg, and create a pedestrian-oriented experience. Options included wider sidewalks, implementation of a pedestrian plaza for dining and socializing in lieu of vehicular traffic, conversion to a

	one-way street, bicycle lanes and shared lane considerations, and crossing enhancements. RK&K completed a flipbook featuring the process completed, the feedback received, and recommendations for implementation on the final design.
09/24 – 06/25	**Metropolitan Washington Council of Governments | New Avenue Bikeway Purple Line Connection, Takoma Park, MD:** Tristan supported the planning, public outreach, and concept design for this TLC program funded project for City of Takoma Park. The project will provide a safe and comfortable bikeway extending from the intersection of MD 650/Holton Lane to the Takoma-Langley Transit Center. Services with this study included community and agency stakeholder engagement, traffic/safety evaluation, and a concept design report that included collaboration and exchange of ideas for routing of and recommendations for safe and low-stress bikeway and pedestrian facilities that support access to transit and businesses.
03/24 – Ongoing	**Loudoun County | Safe Streets For All Safety Action Plan, Loudoun County, VA:** Tristan serves as the consultant project manager for Loudoun County's Safe Streets for All Action Plan. This was a large-scale, ambitious planning effort guided by detailed crash and equity analyses and included the creation of several density transects within the County to identify specific safety issues across the County's rural, suburban, and urban contexts. Analyses were conducted at both the County-wide and transect levels to gain a nuanced understanding of the safety issues in the County and to provide an equitably prioritized project list and targeted solutions for every type of roadway and intersection in Loudoun County.
12/23 – 11/24	**Arlington County | Vision Zero Action Plan Implementation Phase 2, Arlington County, VA:** As project manager, Tristan managed the implementation and coordination of several action items outlined in the 2021 Arlington Vision Zero Action Plan, including monthly safety messaging graphics and campaigns, creating a safety outreach toolbox, quarterly safety outreach pop-up events in the community, road safety audits, and Synchro traffic analysis on the high-injury network. Additionally, Tristan assisted the County in generating detailed mid-year and annual reports to keep stakeholders, elected officials, and the community informed about the program's advancements to coordinate safety project engineering efforts.
11/23 – 06/24	**Washington Metropolitan Area Planning Council | Churchman's Crossing Plan Update, Wilmington, DE:** Tristan was the bicycle and pedestrian planner for the Churchman's Crossing small area plan. Bicycle and pedestrian improvements were identified as high priority in the original plan. Tristan developed and prioritized projects to be recommended to agency partners such as DelDOT, DART, WILMAPCO, and New Castle County. Tristan also developed exercises to work with the project's technical team, monitoring committee, and the public to develop inputs for project creation and prioritization. He worked closely with DelDOT engineers to prepare and run a specialized network analysis model in GIS to provide quantitative input on potential bike/ped investments in the area.
12/22 – 03/25	**New Castle County | Iron Hill to Glasgow Park Pathway Planning, Newark, DE:** Tristan was the principal planner for this $45M trail network plan that totaled over 20 miles of trail across 26 segments. The pathway is a key connection in the City of New Castle's multimodal trail network—creating connections among two large regional parks, historic battleground sites, schools, businesses, and neighborhoods. The trail network is designed to connect two major regional parks across suburban and light industrial portions of Delaware with each other and culturally significant sites. Tristan provided narrative support, public and stakeholder engagement assistance, GIS and cartography services, created ArcGIS online tools for field work and alignment refinement, and designed graphical maps for reports, among other duties on the project.

Firm employed by: RK&K			
Name	**Anthony Donald, PE**	Years of relevant experience with this employer	4
Title	Project Delivery Leader	Years of relevant experience with other employer(s)	12

Degree(s) / Years / Specialization			BS / 2010 / Civil Engineering
Active registration number / state / expiration date			PE # 0402055849 / VA / 5.31.26 + other states (upon request)
Year registered	2016	Discipline	Civil
Contract role(s) / brief description of responsibilities			VRU Complete Streets Planning Lead

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Anthony's experience is focused on traffic engineering and design, including traffic analysis, transportation planning, roadway and traffic signal design, lighting analysis and design, hydrology and hydraulic analysis, and construction management. Projects have encompassed corridor studies, aerial management plans, concept development, safety studies, traffic signal design, lighting design, and MOT plans. He has extensive experience in transportation planning, traffic analysis and project development, and MOT analysis and design throughout the Commonwealth of Virginia and the southeast.
08/22 - 11/25	**City of Richmond | Leigh Street Streetscape, Richmond, VA:** As project manager, Anthony oversaw the development of environmental documentation, traffic analyses, lighting design, and coordination with the roadway plan design consultant. Environmental documentation included EQ-121, Programmatic Categorical Exclusion approval, cultural resources, local and state environmental review, wetlands/waters of the US, hazardous materials investigation, and EQ-555 water quality forms for the project. Project design included the redesign and repurposing of the existing roadway and pedestrian network, including turn lanes, sidewalk, and SUP upgrades.
06/24 - 07/24	**Virginia Department of Transportation | Ready, Set, Go! Round 2, Statewide, VA:** Anthony supported VDOT's Local Assistance Division (LAD) in developing bicycle and pedestrian Transportation Alternatives Program (TAP)-focused projects towards a targeted microgrant program for smaller localities across Virginia. He oversaw the development of planning level project concepts and estimates for 12 project concepts, coordination between VDOT, staff from all nine VDOT districts, and 12 localities — including the Town of Richlands.
06/23	**Virginia Department of Transportation | Culpeper District Project Pipeline Round 2 Phase 1, Culpeper, VA:** As project manager, Anthony directed and coordinated the analysis and concept development for two project pipeline studies in the Culpeper District, on US 29 in Culpeper, and US 17 BUS in Warrenton. The studies analyzed both corridors for existing safety issues, future congestion, and potential to improve bike and pedestrian connectivity on an accelerated timeframe. He also examined a series of alternative intersection concepts, such as RCUTs, thru-cuts, and roundabouts to improve safety and operations in the corridor. The studies resulted in a set of preferred alternatives ready for funding applications by the localities.
06/24 - 07/24	**Montgomery County | VT Smart Scale - Round 5, Blacksburg, VA:** Anthony served as safety and traffic analysis task lead and was responsible for directing and coordinating the traffic and safety analysis of multimodal improvements on Virginia Tech's campus. The study analyzed the realignment Duck Pond Drive to Perry Street to enhance safety along West Campus Drive and enhance transit service. The study area was also analyzed for existing safety issues, future congestion, and potential improvements for bike/pedestrian connectivity on an accelerated timeframe. The recommended project included the realignment of Duck Pond Drive to Perry Street, new pedestrian connections across West Campus Drive, and the reallocation of old Duck Pond Drive as a shared-use facility. The studies resulted in a SMART SCALE application for Montgomery County.

Firm employed by: RK&K			
Name	**Andy Moy, PE**	Years of relevant experience with this employer	17
Title	Project Delivery Leader	Years of relevant experience with other employer(s)	0

Degree(s) / Years / Specialization			BS / 2011 / Civil & Environmental Engineering
Active registration number / state / expiration date			PE #31756 / VA / 12.31.27 + other states (upon request)
Year registered	2015	Discipline	Civil
Contract role(s) / brief description of responsibilities			Design of Safety Improvements Lead

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Andy has experience managing and delivering complex transportation infrastructure projects. His background spans a wide range of disciplines, including traffic analysis, traffic signal design and optimization, maintenance of traffic planning, ITS/ATMS design, roadway lighting, and comprehensive construction management services. As a project manager, Andy has a wealth of experience leading multidisciplinary teams to deliver cohesive projects to solve transportation problems.
05/17 - 08/21	**Arlington County | Lee Highway (Route 29) & Glebe Road (Route 120) Intersection Improvements Design Development, Arlington County, VA:** Andy was a project engineer for this intersection improvement project to increase pedestrian safety and enhance vehicular mobility. The improvements included the addition of left turn lanes along northbound and southbound Glebe Road, new curb and gutter and sidewalk, ADA-compliant curb ramps, enhanced pedestrian crossings, street and driveway entrance modifications, new signal and lighting, and bus shelter enhancements. Andy was responsible for the design of the traffic signal, streetlights, and related cost estimates. The traffic signal design included closed-circuit television cameras, accessible pedestrian signals, video detection cameras, and LED signal heads. Andy was responsible for the design of the traffic signal, streetlights, and related cost estimates during the design phase. During the construction phase, Andy was responsible for responding to RFIs, reviewing material submittals, and preparing plan revisions.
02/16 - 11/19	**Arlington County | Clarendon Circle Intersection Street Improvements, Arlington County, VA:** Andy was a traffic engineer for the re-alignment of an existing seven-leg intersection as part of Arlington County's Complete Street program to improve safety and access for pedestrians, bikers, and transit riders, as well as improving street aesthetics. Safety and access improvements included reducing intersection crossing widths and adding refuge islands, reconstructing curb ramps, adding stand-alone bike lanes, reconstructing and expanding the existing sidewalks, and closing off the leg from N. Irving Street South. Street light design included designing for both pedestrians and vehicles in this mixed-use area. Traffic signal replacements were designed to comply with current County standards including accessible pedestrian signals (APS), an ATC controller, and thermal video detection.
03/23 - 05/24	**Loudoun County | IIP Round 3 City Center/Countryside Boulevard & Palisade Parkway, Loudoun County, VA:** Andy served as project manager for all four of RK&K's Intersection Improvement Program (IIP) studies. The IIP addressed traffic safety and operational challenges on roadways within the County and identified cost-effective solutions to enhance safety for all motorists, pedestrians, and bicyclists.
06/23 - 10/24	**South Carolina Department of Transportation | US 17A (North Main Street) Corridor Safety Improvement Project, Berkeley County, SC:** Andy served as traffic engineer for quality control on traffic signal designs, ensuring compliance with the MUTCD, as well as SCDOT's Traffic Signal Specifications and Design Guidelines. This 3.25-mile corridor is a five-lane curb and gutter facility and includes 15 intersections (six signalized) and numerous driveways. To address the high volume of crashes on this heavily traveled corridor, RK&K developed improvements to address safety concerns while minimizing impacts to utilities and right-of-way.

Firm employed by: RK&K					
Name	**Nathan Atkinson, PE**			Years of relevant experience with this employer	8
Title	Partner			Years of relevant experience with other employer(s)	17
Degree(s) / Years / Specialization			BS / 2002 / Biological-Environmental Engineering		
Active registration number / state / expiration date			PE.0046613 / LA / 9.30.26 + other states (upon request)		
Year registered	2022	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Partner-in-Charge		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	As one of six Owners/Partners at RK&K, Nate has provided strategic leadership since 2022, overseeing all aspects of the firm to ensure exceptional quality, client satisfaction, and sustainable growth. He empowers managers with the resources necessary to deliver successful projects while personally serving as the Principal/Partner-In-Charge on select engagements. In this capacity, Nate acts as a dedicated point of contact for clients, readily available to address any concerns and ensure project success.
11/17 - Ongoing	**Williams Gas Pipeline Company | Williams Louisiana Energy Gateway 30 & 36-inch Pipelines, De Soto Parrish, LA:** Nate serves as partner-in-charge for this Master Service Agreement, spanning multiple states across the United States including Louisiana. Work includes pipeline studies and analysis, construction engineering assistance, interference studies, corrosion control, cathodic protection, and electrolysis.
02/16 - 01/21	**Baltimore County | On-Call Civil Engineering Services for Pumping Stations, Baltimore County, MD:** Nate served as the partner-in-charge under four consecutive on-call contracts spanning the last 16 years. RK&K has provided engineering assessments, evaluations, studies, designs, bidding and construction phase services for 63 pumping station projects (40 rehabilitations and 23 complete replacements) to comply with Baltimore County's CD. These pumping station projects range from complete replacement to upgrade of specific system components such as pumps, grinders, screens, piping systems, VFDs, I&C/SCADA, switchgear, standby power generators, heating, ventilation, air conditioning (HVAC), plumbing, hydrogen sulfide and odor control systems, architectural features, structural modifications, concrete rehabilitation and site improvements.
11/16 - 11/20	**Johns Hopkins Hospital | Traffic Master Plan, Baltimore, MD:** Nate served as the partner-in-charge for a comprehensive pedestrian safety study as a follow-up to a study that was conducted by the Bloomberg School of Public Health Center for Injury Research and Policy for the core area of the JHH medical campus. The RK&K project expanded the study to the entire campus area and focused on several critical safety and operational areas that were identified by JHH staff.
12/03 - Ongoing	**City of Virginia Beach | Annual Services Engineering Contract for Various Public Utilities Projects, Virginia Beach, VA:** Nate serves as partner-in-charge responsible for overseeing RK&K's services and meeting with the client to ensure satisfaction. RK&K has provided services on a work order basis under multiple on-call contracts. Primary tasks include pumping station condition assessments, hydraulic analyses, and renovation/rehabilitation/replacement design as well as analysis and design of gravity sewer and force main systems including rehabilitation/replacement of deteriorated pipelines. Since 2001, over 100 individual tasks have been assigned under four contracts.
06/23 - Ongoing	**Charles County | Design Build for GST at Mattawoman WWTP (Sub), La Plata, MD:** As partner-in-charge, Nate provides management and oversight of design efforts for this design-build project to construct a new gravity sludge thickener (GST) at Charles County's 20 MGD Mattawoman Wastewater Treatment Plant (WWTP). The new GST No.4 will supplement the existing GST system.

Firm employed by: RK&K					
Name	**Michael Chacon, PE**			Years of relevant experience with this employer	1
Title	Senior Technical Leader			Years of relevant experience with other employer(s)	31
Degree(s) / Years / Specialization			BS / 1993 / Civil Engineering		
Active registration number / state / expiration date			PE #86215 / TX / 12.31.26		
Year registered	2000	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Quality Team		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Michael has 32 years of experience in traffic engineering, traffic management, traffic safety, and crash data analysis. Prior to joining RK&K, he served as the State Traffic Engineer and Safety Engineer for nine years while leading TxDOT's Traffic Safety Division as Director. Michael has extensive expertise in developing and administering policies, guidance, and programs, including the Texas Manual on Uniform Traffic Control Devices and other traffic engineering standards issued under his leadership at TxDOT. For the past nine years, he has also represented Texas on the American Association of State Highway and Transportation Officials (AASHTO) Committee on traffic engineering, contributing to national discussions and advancements in the field.
10/25 - Ongoing	**Indiana Department of Transportation | Work Zone Speed Safety Camera Program, Task: Design for Speed Cameras, Indianapolis, IN:** Michael is conducting a comprehensive review of the Indiana Department of Transportation's 2015 Work Zone Safety and Mobility Policies and Procedures. He is providing strategic guidance and recommending revisions to ensure full compliance with Federal Highway Administration regulations under 23 CFR Part 630, Subparts J and K.
10/25	**Pennsylvania Department of Transportation | HSTO Traffic Safety & Engineering Open-End, Task: E05869 WO#2 2025 ASBE Support, Statewide, PA:** Michael conducted a comprehensive review of Pennsylvania's 2024 Annual Report for the Automated School Bus Enforcement (ASBE) Program. He provided detailed comments and recommended revisions to enhance clarity, accuracy, and alignment with program objectives.
10/25	**Washington Department of Transportation | Speed Camera Program Support, Olympia, WA:** Michael performed a detailed review of the Washington Department of Transportation's 2025 Work Zone Speed Camera Program. He offered substantive comments and technical revisions to support program refinement and regulatory alignment.
12/25 - Ongoing	**Delaware Department of Transportation | ITMS Design Services, DE:** Michael serves as a technical advisor supporting the development of DelDOT's Transportation Systems Management and Operations (TSMO) Strategic Plan, an effort focused on defining the program's mission, vision, goals, objectives, and integrated strategies to optimize the state's existing transportation infrastructure. The strategies incorporated multimodal, intermodal and cross-jurisdictional systems, services, and projects aimed at preserving capacity and improving security, safety, and reliability of the transportation system.

Firm employed by: RK&K			
Name	**Steven Field, PE**	Years of relevant experience with this employer	7
Title	Senior Practice Development Leader	Years of relevant experience with other employer(s)	26

Degree(s) / Years / Specialization			BS / 1993 / Civil & Materials Engineering
Active registration number / state / expiration date			PE #104091 / TN / 1.31.28 + other states (upon request)
Year registered	1998	Discipline	Civil
Contract role(s) / brief description of responsibilities			Quality Team

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	During his career, Steve has worked on various on-call and project-specific contracts. He has supported 25 individual projects for the Tennessee Valley Authority (TVA) and assisted in managing a Nationwide FEMA Production and Technical Services (PTS) Risk Map contract. His experience includes designing bridges, roadways, retaining and flood walls, and dams. Steve excels at managing contracts to meet client expectations for the technical scope, budget, and quality and provides meaningful reporting using project control platforms, schedule reporting, and analytics, utilizing resource-loaded schedules and earned value management.
10/23 - Ongoing	**Metropolitan Government of Nashville & Davidson County | Complete Streets Design Engineering On-Call, Nashville & Davidson, TN:** Steve serves as the contract manager for this on-call providing engineering design services for Complete Streets projects for NDOT. The scope of services includes sidewalks, bikeways, multi-use paths, new roads and road extensions, expansions or other roadway improvements, traffic signal modifications, roadway and pedestrian lighting, street tree best practices, Vision Zero planning and design, stormwater and erosion control, utility relocations, retaining walls, railroad crossings, conceptual analysis for new roadways, sustainable construction materials, and completing environmental studies to meet NEPA requirements for these types of projects.
04/25 - Ongoing	**City of Chattanooga | State Route 58 Bicycle & Pedestrian Facilities Phase 2, Chattanooga, TN:** Steve serves as contract and project manager for this endeavor with the City of Chattanooga. Phase 2 of this project extends from the newly installed pocket park at Webb Road, west to Murray Hills Drive, then south down Willard to terminate at a proposed pocket park. The goal is to provide improved accessibility to a segment of the population traveling by means other than the automobile. Behind the commercial retail front of Highway 58, lies an urban landscape populated by residential dwellings. The bicycle and pedestrian facility will provide safe travel on foot or bicycle along the 45 mph, seven-lane highway, to retail, grocery, banking, and restaurant facilities.
11/22 - 06/23	**City of Chattanooga | Broad Street Vision Plan Preliminary Engineering, Chattanooga, TN:** Steve served as the project manager for this task under an on-call green infrastructure design contract for the City. He was responsible for day-to-day project management and oversight of field investigations, design, schedule, and budget. RK&K provided civil engineering services for the City and supported another firm in the development of preliminary engineering, traffic analysis/design, and surveying/subsurface exploration. The Broad Street Redevelopment project improved the Broad Street Corridor from Aquarium Way to 10th Avenue, creating a premier urban corridor linking downtown and the riverfront.
11/24 - 01/26	**City of Morristown | Turkey Creek Greenway Trail - Phase 5, Morristown, TN:** As QA/QC manager, Steve provided full engineering and construction administration services for this task under a Master Professional Services Agreement on-call contract. The project is a greenway/multimodal TDOT Local Program Project in downtown Morristown, funded in part by a Multimodal Access Grant and included the overall delivery of over 2,300 feet of a 10-foot-wide multi-use path along South Cumberland within downtown Morristown.

Firm employed by: RK&K				
Name	**Oscar Garcia, PE**		Years of relevant experience with this employer	4
Title	Project Manager		Years of relevant experience with other employer(s)	19
Degree(s) / Years / Specialization			ME / 2002 / Engineering • BS / 1999 / Civil Engineering	
Active registration number / state / expiration date			PE #57727 / MD / 6.6.27	
Year registered	2021	Discipline	Civil	
Contract role(s) / brief description of responsibilities			VRU Planning	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Oscar has extensive experience in the design for new construction and rehabilitation of urban roadways, on- and off-street bicycle facilities, and pedestrian infrastructure. His expertise includes geometric design for roadways, multimodal facilities, traffic calming, road diets, sidewalk and intersection improvements, shared-use paths (SUP), bikeways, and context sensitivity solutions. Oscar has served as project manager and lead project engineer in a variety of projects that required a multidisciplinary approach and coordination with different reviewing agencies, stakeholders, and the public. Oscar is passionate about transforming communities by improving inclusion and accessibility conditions. He is committed to incorporating the needs of different users to create roadway environments that prioritize the safety of the most vulnerable while balancing constructability, best practices, design standards, and the goals of each project.
10/23	**Montgomery County Department of Transportation | Staff Augmentation, Montgomery County, MD:** As active transportation expert, Oscar provided technical support for the development of recommendations for pedestrian and bicycle improvements to support the proposed upgrades related to the Penn Station reconstruction. Oscar completed a comprehensive review of the existing facilities adjacent to the station and in the broader vicinity of Penn Station and applied best practices to determine adequate multimodal accessibility and connectivity, for the short and long term.
04/21 - 05/21	**Metropolitan Washington Council of Govts | Suitland - Silver Hill Neighborhood Ped & Bike Access, Silver Hill, DC:** Oscar served as project manager and senior transportation engineer for the project. He was responsible for the assessment of existing conditions, identification of gaps in the sidewalk network, development and evaluation of alternatives, and leading the design team in the preparation of drawings. In summary, the proposed improvements consisted in reconfiguration of traffic patterns, upgrades to existing and installation of new sidewalks, general improvements to a complex intersection, and coordination with adjacent projects to provide seamless transition for bicycles, transit users, and pedestrians. As project manager, Oscar coordinated the different activities within the multiple disciplines and worked closely with the County and stakeholders to achieve the goals of the project and completion within budget and schedule.
03/22 - 12/22	**Maryland State Highway Administration | Context Driven Continued Services, Statewide, MD:** As senior project engineer, Oscar provided engineering input for the evaluation and selection of corridors across the state to be prioritized and included in the Pedestrian Safety Action Plan (PSAP), based on equity, crash data, and areas of need. Oscar's technical background was also essential for the development of the Toolkit Countermeasures for the different contexts within the state, from Urban Core to Rural, as well as the Urban, Traditional Town, and Suburban Activity Centers in between. He was responsible for evaluating the existing conditions and needs of each corridor to produce facility recommendations based on accessibility, safety, and mobility for the most vulnerable roadway users, as well as best practices at the different contexts described in the Toolkit.

Firm employed by: RK&K					
Name	**Meredith Milam**			Years of relevant experience with this employer	1
Title	Project Planner			Years of relevant experience with other employer(s)	4
Degree(s) / Years / Specialization			BS / 2021 / City & Regional Planning		
Active registration number / state / expiration date			N/A		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities			VRU Planning		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
	Meredith is a project planner with over five years of experience supporting transportation and active transportation planning initiatives. She has specialized experience in vulnerable road user (VRU) planning, trail studies, and multimodal corridor improvements. Meredith has served as a project engineer on feasibility studies, trail alignment analyses, and strategic planning efforts, supporting tasks such as existing conditions assessments, identification of network gaps, development and evaluation of alternatives, preliminary design concepts, cost estimates, and preparation of technical reports and drawings. Her recent work includes leading design coordination for complex intersection improvements, sidewalk and bicycle facility enhancements, and contributing to statewide planning efforts that integrate best practices, data analysis, and policy documentation to support safe, accessible, and connected transportation systems.				
01/26 - Ongoing	**Baltimore Metropolitan Council | New Cut Road Feasibility Study, Ellicott City, MD:** As project engineer, Meredith supported the assessment of existing conditions, identification of gaps in the sidewalk network, development and evaluation of alternatives, and is leading the design team in the preparation of drawings. In summary, the proposed improvements consisted in reconfiguration of traffic patterns, upgrades to existing and installation of new sidewalks, general improvements to a complex intersection, and coordination with adjacent projects to provide seamless transition for bicycles, transit users, and pedestrians.				
10/25 - Ongoing	**Maryland State Highway Administration | Francis Scott Key (FSK) Trail Study, Baltimore, MD:** For this trail study, Meredeith served as a project engineer for the development of trail alignments, preliminary concepts and cost estimates, and preparation of the final report.				
09/25 - Ongoing	**Maryland State Highway Administration | SHA Park & Ride Strategic Plan-Phase 1, Baltimore, MD:** Meredith is a project engineer supporting the Phase 1 report that will update SHA's data inventory of park-and-ride facilities (110+), and will compile roles, responsibilities, policies, and procedures from relevant guiding documents. The report will describe data trends, categorize facilities, memorialize procedures, summarize best practices, and identify the next steps for the park-and-ride program.				

Firm employed by: RK&K					
Name	**Anjuli Tapia, PE**			Years of relevant experience with this employer	2
Title	Project Manager			Years of relevant experience with other employer(s)	12
Degree(s) / Years / Specialization			BS / 2010 / Civil & Environmental Engineering		
Active registration number / state / expiration date			PE #0402059169 / VA / 6.30.27 + other states (upon request)		
Year registered	2018	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Complete Streets Planning		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Anjuli is experienced in roadway design, transportation planning, traffic engineering, and bicycle and pedestrian design. She has expertise in transportation master plans across various scales and land use contexts throughout the Mid-Atlantic. Her proficiency in the layered network approach has been integral to her career and has enabled her to contribute effectively to diverse projects. Anjuli has successfully managed numerous high-profile transportation initiatives, showcasing her skill in balancing the needs and perspectives of key stakeholders. With a proven ability to lead large, multi-disciplinary teams, she consistently delivers projects that prioritize a positive client experience. Her collaborative approach, supported by a diverse background in land use and transportation, is centered on creating end products that align with client objectives.
02/24 - 01/25	**DDOT | Metropolitan Branch Trail Blair Rd Phase 3, Washington, DC, MD:** Anjuli served as design lead for this multidisciplinary team to develop a preliminary design for the Metropolitan Branch Trail from Piney Branch Road to Blair Road. The trail design included on-street segments of bike lane, protected bike lane, and woonerf; a shared street; and off-street trail. Anjuli oversaw the preparation of the preliminary engineering report (PER) which included public involvement, civil engineering, structural engineering, property/right-of-way services, SUE, topographic and right-of-way survey, urban design, drainage/stormwater design, and environmental review. The project is now moving forward through final design and construction.
01/20 - 03/24	**DDOT | Metropolitan Branch Trail Project, Washington, DC:** Anjuli served as design lead for this multi-disciplinary team to develop a preliminary design for the Metropolitan Branch Trail from Piney Branch Road to Blair Road. The trail design includes on-street segments of bike lane, protected bike lane, and woonerf; a shared street; and off-street trail. Anjuli oversaw the preparation of the preliminary engineering report which included public involvement, civil engineering, structural engineering, property/right-of-way services, SUE, topographic and right-of-way survey, urban design, drainage/stormwater design, and environmental review. The project is now moving forward through final design and construction.
03/17 - 03/19	**DDOT | Cycletrack Designs, Washington, DC:** Anjuli served as design lead for the conceptual design for a two-way protected bicycle facility connecting Dupont Circle and the National Mall using some combination of 20th, 21st, and 22nd Streets NW. Her prior employer led an in-depth analysis to develop and compare alignments based on multimodal metrics such as bike network connectivity, transit impacts, and parking impacts. This work included a community engagement element, including supporting two public meetings, and a series of design workshops with DDOT planning, design, safety, and operations staff.

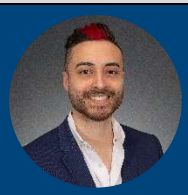
Firm employed by: RK&K			
Name	**Melissa Miklus, PLA, ASLA**	Years of relevant experience with this employer	8
Title	Director	Years of relevant experience with other employer(s)	16
Degree(s) / Years / Specialization		MA / 2010 / Landscape Architecture • BA / 2002 / Journalism & Mass Communications	
Active registration number / state / expiration date		PLA #3875 / MD / 3.21.26 + other states (upon request)	
Year registered	2016	Discipline	Landscape Architect
Contract role(s) / brief description of responsibilities		Stakeholder Engagement	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Melissa's passion is working with communities to create healthier places through context sensitive planning and design strategies. As a licensed Landscape Architect, she is experienced in outreach, multimodal design, and placemaking. Melissa has worked with large and small communities in rural, coastal, and urban settings. She thrives on crafting unique and fun public involvement strategies and enjoys leading teams in intensive multi-day field analysis to maximize efficiency and immerse her team in a study area. In addition, her work executing charrettes for redevelopment aster plans, complete streets, and greenways, has provided communities with inspiration, vision, and robust feedback that drives successful grant applications and facility implementation.
01/21 - 11/21	**City of Norfolk | Transportation Design Services Indefinite Quantity Contract, Granby Street Bike Lanes; Willow Wood Drive to Admiral Taussig Boulevard Public Engagement, Norfolk, VA:** Melissa was responsible for developing the outreach strategy to reach residents adjacent to the corridor and people who use Granby Street daily. A Public Input Plan was crafted to include a 21-member Advisory Group. Outreach efforts included the development of mailers; press releases; Facebook, Twitter, and NextDoor posts; updating the City's News Flash and events calendar; email notifications to City Council; City Manager Updates; updates to the City of Norfolk website); an online ESRI Story Map with instructional video; an online comment map; an online survey; and two Virtual Workshops). The two virtual public meetings were announced via an "Every Door Direct" mailer to 9,483 homes as well as through print and social media.
03/22 - 11/25	**Maryland State Highway Administration | Transportation Planning Services, Context Driven Continued Services, Statewide, MD:** As a designer, Melissa collaborated with the Bicycle and Pedestrian Coordinator and Assistant Chief of the Regional and Intermodal Planning Division (RIPD) to define the elements of Context Driven, create a brand for all components, and develop a strategic plan for launching each item internally and externally. The Context Driven approach to roadway design involves exploration of land use and typical users to balance mobility and access. The initial launch of this new direction from MDOT SHA included the publication of a guide and presentation at MdQI. Following the release of this initial document and training, Melissa coordinated with RIPD to develop a Pedestrian Safety Action Plan, Toolkit of Countermeasures, Case Studies of Context Driven Implementation Projects, Education and Training Materials, and a Web Portal to house each of the Context Driven components. Services provided include graphic design, strategic transportation planning, GIS analysis, technical design support, press release development, social media messaging, webinars, video production, and website development.
01/22 - 12/22	**Metropolitan Washington Council of Govts | Suitland - Silver Hill Neighborhood Ped and Bike Access, Washington, DC:** Melissa served as project manager for this TWR program-funded project. The project consisted of the development of preliminary designs for safe pedestrian and bicycle facilities to connect the Navy Day Drive/Navy Day Place/Parkway Terrace Drive/Glenn Drive neighborhood to the Suitland Metro Station. She developed and evaluated a series of alternatives aimed at addressing critical accessibility issues and meeting community needs. The team crafted a strategic public engagement plan that included a story map with captivating graphics, photo Sims, and a survey exercise. The preferred alternative consisted of new sidewalks, traffic calming along the neighborhood roads, and improvements to the major intersection with Silver Hill Road that required additional crosswalks, bike lane conflict markings, and coordination with transit.

Firm employed by: RK&K					
Name	**Ally Ratkowski-Howe**			Years of relevant experience with this employer	2
Title	Planner			Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			BS / 2023 / Global & Public Health Sciences		
Active registration number / state / expiration date			N/A		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Stakeholder Engagement		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Ally is a transportation planner with an interdisciplinary background in planning, public outreach, and environmental work. She has experience developing safety action plans, conducting geospatial and statistical analyses, and producing project deliverables. Ally possesses a passion for two-way conversation with the public, employing a variety of means, including charette-style activities, intercept surveys, and digital outreach tools. Her areas of expertise include safety, transit, and active transportation.
08/19 - Ongoing	**Arlington County | Vision Zero Action Plan Implementation Phase 2, Arlington County, VA:** Ally serves as planner producing public engagement materials for Arlington County's Critical Crash Mitigation Campaign as part of the County's Vision Zero Action Plan Implementation Phases 2 and 3. Ally put together and currently manages the project's Vision Zero quiz – building the digital survey in multiple languages, tracking engagement results, and creating a slide deck version for meaningful engagement.
04/24 - Ongoing	**Maryland State Highway Administration | Context Driven Continued Services, Statewide, MD:** Ally served as planner supporting the MDOT SHA team for context driven initiatives, working on outreach and methodology. She helped produce public engagement boards for MDOT's Pedestrian Safety Action Plan and will help redefine the context zone creation methodology to be used in the next stage of the PSAP.
02/21 - 01/22	**Metropolitan Washington Council of Govts | South Pickett Street Corridor Improvements, Alexandria, VA:** Ally supported public engagement for this project which considered roadway improvements to South Pickett Street between Duke Street and Edsall Road to improve pedestrian and bicyclist safety. Proposed improvements included extended bike lanes, new crosswalks, improvements to existing crosswalks, median islands, and landscaping. Ally updated and managed the project's ArcGIS story map, including versions in multiple languages, as well as developed public engagement surveys, and tracked public feedback–all of which yielded over 350 engagements.
04/24 - Ongoing	**Loudoun County | Roadway & Transportation Design Services for Federal Projects, Safe Streets for All Safety Action Plan, Loudoun County, VA:** Ally is a planner on Loudoun County's Safe Streets for All Action Plan, a county-wide effort to prevent roadway deaths and serious injuries through systematic analysis and roadway improvement recommendations. The plan includes transect-level analysis to identify context-specific safety issues and uses an equity lens in prioritized project list development. Ally is developing public involvement and reference memos, conducting initial crash and equity analyses, drafting project deliverables, and participating in biweekly internal stakeholder meetings.

Firm employed by: RK&K					
Name	**Renato Coletti, PE, PTOE**		Years of relevant experience with this employer	7	
Title	Project Engineer		Years of relevant experience with other employer(s)	4	
Degree(s) / Years / Specialization			BS / 2015 / Civil Engineering		
Active registration number / state / expiration date			PE #91577 / FL / 2.28.27 + other states (upon request); PTOE #5556 / USA / 11.21.26		
Year registered	2021	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Operational Studies		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Renato has experience on transportation projects involving traffic signal timing analysis, network optimization, and signal warrant and traffic studies. He is knowledgeable in performing in-depth traffic studies, including trip generation and distribution, traffic forecasting, level of service calculations, intersection analysis, and freeway traffic simulation using the latest version of Synchro and SimTraffic software. Renato also has experience providing recommendations for traffic operational improvements, conducting vehicle crash analyses to address safety concerns, preparing technical reports on public transportation systems, and performing multimodal analysis of congested corridors.
05/20 - 10/21	**Florida Department of Transportation | District 5 Freight Studies for Improved Mobility & Safety, Various Locations, FL:** Renato served as project engineer responsible for literature search, stakeholder engagement, data collection, preparing an opportunity and needs document, developing concepts, updating the concept of operations and regional ITS architectures, and provided an implementation plan. A final comprehensive report was prepared and included all essential technology information, future implementations, final recommendations, and cost estimates. The team engaged in discussions with freight companies and partners to understand the existing trends and patterns of travel through Central Florida. Discussions centered on existing truck traffic which might be converted to rail, or moreover, how to handle increased rail and air freight into the region and the necessary "last mile" connections to truck those goods to their next destination.
11/23 - 06/24	**South Carolina Department of Transportation | S-492 (Pelham Road) at S-273 (Haywood Road) Traffic Analysis, Greenville, SC:** As traffic engineer, Renato provided traffic analysis support, performing traffic analysis based on Synchro software for existing conditions and future No-Build and Build conditions of the intersection of Pelham Road and Haywood Road. He developed and analyzed improvement alternatives, produced a traffic study report, and provided traffic planning services to improve the intersection and to address severe congestion and traffic safety-related issues. This included a detailed crash analysis, traffic forecasting, and operational analysis.
07/23 - 10/23	**South Carolina Department of Transportation | SC 9 (Jonesville Lockhart Highway) at SC 114 (Bob Little Road) Intersection Improvements, Union County, SC:** As task lead, Renato developed traffic volumes and growth rates; developed operational (Synchro/SimTraffic and SIDRA), crash, safety, and benefit-cost analyses; identified mitigation measures; developed the traffic technical report; and coordinated with SCDOT. The objective was to determine appropriate traffic control measures necessary to reduce the number and severity of crashes occurring at the project location and analyze future operational conditions to support the safety recommendations.
01/24 - 12/24	**Town of Dumfries | Comprehensive Plan Update, Dumfries, VA:** Renato served as transportation technical lead for the Dumfries Comprehensive Plan Update in 2025. The goals of this plan were to create an integrated, multimodal travel network to improve and expand the overall safety and operations of the Town's network, reduce the number of "dead end" connections, and integrate transit services to link jobs, housing, commerce, and recreation within the Town and immediate area. Renato led the technical development of all transportation analysis for each mode, which was incorporated in the Comprehensive Plan Update, including the text of the transportation chapter. He was also integral in presenting the transportation portion of the plan to the Town Council for their approval and adoption.

Firm employed by: RK&K					
Name	**Aung Thurain, PE**			Years of relevant experience with this employer	7
Title	Project Manager			Years of relevant experience with other employer(s)	17
Degree(s) / Years / Specialization			BS / 2002 / Civil Engineering		
Active registration number / state / expiration date			PE #80110 / FL / 2.28.27		
Year registered	2015	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Operational Studies		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Aung has experience managing a variety of traffic operations studies, ITS studies and design projects in support of various DOTs, municipalities, and roadway authorities. He has managed or led integrated corridor management (ICM) studies, ITS planning studies, transportation systems management and operations (TSM&O) studies, traffic operations studies, traffic impact studies, crash and safety analysis, and capacity analyses for freeways and arterials, including roundabouts. Aung has experience preparing and managing design plans for traffic signal design, maintenance of traffic (MOT) plans, highway traffic control plans, and ITS design.
04/25 - 09/25	**City of Hendersonville | Traffic Study - Drakes Creek at Anderson/Avant/Countryside, Hendersonville, TN:** As a project manager, Aung helped with the review of existing conditions, intersection control evaluation, and recommendations for improvements. RK&K conducted a comprehensive traffic study for Drakes Creek at Anderson/Avant/Countryside intersections with the goal of improving traffic safety and operational efficiency within the area. As part of this effort, a detailed analysis of existing traffic conditions, intersection control, and potential traffic signal installations or roundabout construction was necessary. The results of this study will guide future transportation planning decisions and prioritize infrastructure improvements.
04/25 - Ongoing	**City of Manassas | On-Call Transportation & Civil Engineering Services, Liberia & Route 28 Intersection Improvement, Manassas, VA:** Aung is the project manager currently leading the effort to improve safety and traffic operations at the intersection of Liberia and Route 28 in Manassas. Innovative alternatives being considered include quadrant intersection, displaced left-turn and an overpass for one direction of Route 28. The project will conclude with the development of 10% plans for the preferred alternative.
03/20 - 12/22	**Florida Department of Transportation | District 5 Freight Studies for Improved Mobility & Safety, Various Locations, FL:** As project manager, Aung prepared a planning study that identifies TSM&O and technological improvements to aid the safety and efficiency of freight movement within District Five. Tasks included data research and analysis, including conducting stakeholder meetings with Florida Freight Advisory Committee (FLFAC) to identify needs and opportunities to address non-recurring congestion, freight movement, and safety issues. Recommended strategies included freight signal priority, queue detection and warning, smart work zone applications and connected vehicle applications to address safety issues.
08/23 - 11/24	**Virginia Department of Transportation | Route 288 HSR, Goochland, VA:** Aung was the lead ITS engineer for the development of a concept of operations document to implement part-time shoulder use (PTSU) lanes on Route 288. Aung developed standard operating procedures for opening, closing, and operating the PTSU lane under multiple scenarios, including congestion management and crash response. Technologies implemented include overhead lane use control signals, changeable speed limit signs, dynamic message signs, automated incident detection cameras, and other traffic volume and speed detection devices.

Firm employed by: TRANSCEND engineers + planners			
Name	**Raj Basavaraju, PE, PTOE, RSP1**	Years of relevant experience with this employer	8
Title	Principal Engineer	Years of relevant experience with other employer(s)	17
Degree(s) / Years / Specialization		MBA / 2009 / Master of Business Administration ● MS / 2001 / Civil Engineering-Transportation Engineering ● BS / 1999 / Civil Engineering	
Active registration number / state / expiration date		PE #112149 /TX / 6.30.25; PTOE #2637 / USA / 4.20.27; RSP #1032 / USA / 7.18.26	
Year registered	2012	Discipline	Civil
Contract role(s) / brief description of responsibilities		Operational Studies & Quality Team	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Raj's engineering consulting experience includes traffic engineering, transportation planning, tolling, and ITS. His strengths include all aspects of traffic engineering, including traffic projections, traffic operations and safety, transportation planning, tolling, ITS, data assimilation, and decision modeling. He has managed on-call engineering contracts and served as task lead for various traffic engineering assignments for DOTs, counties, and cities where his responsibilities included data collection, future year traffic volume forecasts, operational analysis and simulation modeling, safety analysis, conducting alternative analysis, and report preparation including recommendations. Raj has also worked on traffic signal timing of corridors, traffic signal design, traffic control plan preparation, toll systems planning, and ITS master plan development.
01/22 – 03/23	**TxDOT | IH 410 WWD Improvements, San Antonio, TX:** Raj developed layout plan sheets for each of the nine ramp sites along IH 410 in the San Antonio District by coordinating utilities locates with 811, performing field visits to obtain utility information, and confirming existing conditions. He also designed wrong way detection system for each of the sites using thermal detection as the primary mechanism. Additionally, Raj implemented thermal detection by TAPCO.
03/19 – 05/21	**TxDOT | Flashing Beacon Installations, San Antonio, TX:** Raj prepared design drawings for seven project locations along several highways in San Antonio to install flashing beacons to enhance the safety of minor street traffic. He also prepared utility conflict matrices and quantities to support the design submittals. Raj gathered utility information via 811 toning, SAWS Locates Service, and TNRIS Maps & Data and performed multiple site visits to verify underground and overhead utility information.
11/21 – 07/23	**City of Houston/METRO | Mid-Block Crossing Pedestrian Safety Enhancements, Houston, TX:** Raj prepared mid-block crossing studies for five segments that were enhanced with the latest national standards for pedestrian safety. Recommendations included installing/refreshing white high-visibility crosswalk markings; installing a post-mounted W11-2 (pedestrian) warning sign with a diagonal downward arrow (W16-7P) plaque and a rectangular rapid flashing beacon (RRFB) on the side of the roadway in advance of the crossing in both directions; installing R1-5b "Stop Here to Pedestrians" (pedestrian-only crossing) signage and a stop bar across the approach; and providing median refuge.
01/22 – 03/23	**TxDOT | Safety Barrier Improvements, San Antonio, TX:** Raj developed design drawings and cost estimates for installing a cable median barrier along US 90 and SH 16 in the San Antonio District by gathering utility information via 811 toning, SAWS Locates Service, and TNRIS Maps & Data and performing site visits to verify underground utility information. He also attended virtual meetings with TxDOT to discuss environmental constraints and various safety barrier design options and visited project sites to measure median slopes.
08/15 – 12/16	**TxDOT | Beltway 8 Corridor Study, Houston, TX:** Raj developed short- and long-term improvements to the Beltway 8 frontage roads between I-10 and US 59. Tasks included data collection, Synchro model development and calibration of existing conditions, development of future conditions model under no-build and build conditions, assisting with crash analyses, geometric and operational improvements for rail-highway crossings, assessment of corridor needs, and identification of mobility improvements.

Firm employed by: RK&K					
Name	**Mike Miranda, PE, PTOE**			Years of relevant experience with this employer	1
Title	Practice Development Leader			Years of relevant experience with other employer(s)	18
Degree(s) / Years / Specialization			BS / 2006 / Civil Engineering		
Active registration number / state / expiration date			PE #110127 / TX / 9.30.26; PTOE #3264 / USA / 5.31.27		
Year registered	2011	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Traffic Engineering Studies & Reports		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Mike brings 19 years of experience in traffic engineering and traffic operations in both the public and private sectors. He is highly skilled in the preparation of plans, specifications, and estimates (PS&E) for municipal, county, and state traffic projects. Mike's broad background includes traffic design, traffic analysis, project management, and team leadership. Since 2015, he has served on the national committee that, jointly with the Federal Highway Administration (FHWA), develops the content in the Manual on Uniform Traffic Control Devices (MUTCD).
03/24 - Ongoing	**Williamson County | Ronald Reagan Boulevard, Segment D1, Williamson County, TX:** Mike provided quality control for signing, pavement markings, and signals for this 2.5-mile rural arterial planning and PS&E project.
03/24 - Ongoing	**TxDOT | Traffic Engineering & ITS for Austin District, Austin, TX:** Mike is providing technical oversight on TIA reviews for developments in Central Texas, including the evaluation of traffic signal warrant studies to verify whether the results presented correctly satisfy one or more of the nine traffic signal warrants in the latest TMUTCD. The reviews have also included assessing the performance of existing and proposed traffic signals using traffic modeling (Synchro software) to validate the recommended traffic mitigations.
02/22 - 02/23	**City of McAllen | Multi-Way Stop Warrant Analysis, McAllen, TX:** As project manager, Mike managed the multi-way stop warrant analysis of more than 20 intersections in the City. The locations were either identified by City staff or requested by citizens as intersections with stop control on the minor street that could potentially satisfy warrant criteria to operate under multi-way stop control. Mike coordinated the efforts to collect traffic counts (including volume and speed data), requested and reviewed crash reports, and conducted field visits to document existing conditions. Following procedures outlined in the TMUTCD, some intersections analyzed satisfied the warrant criteria to be converted to multi-way stop control. Mike prepared technical memos and presented the results of the studies to the McAllen Traffic Commission. He was ultimately responsible for coordinating all efforts to notify the public of the upcoming change to multi-way stop control.
02/22 - 02/23	**City of McAllen | Speed Zone Studies, McAllen, TX:** As project manager, Mike led more than 40-speed zone studies at various locations in the city. The locations were identified by city staff or requested by citizens as roadway segments where the posted speed limit was too high or too low for the current conditions. The segments studied included both municipal- and state-maintained roads. Mike ensured that the data collection and reporting complied with TxDOT's Procedures for Establishing Speed Zones Manual on state-maintained roads. Mike coordinated both automated tube counts (including volume and speed data) and manual radar speed data collection and calculated 85th percentile speeds for inclusion in the strip maps submitted for TxDOT's review and approval. When it was decided the posted speed limit was inadequate, Mike followed through with the process to secure either the City Commission's revision to a City Ordinance or a Minute Order from the Texas Transportation Commission.

Firm employed by: RK&K					
Name	**Melissa Manalo, PE**			Years of relevant experience with this employer	7
Title	Technical Manager			Years of relevant experience with other employer(s)	15
Degree(s) / Years / Specialization			BS / 2002 / Civil Engineering		
Active registration number / state / expiration date			PE #088884 / NY / 8.31.28 + other states (upon request)		
Year registered	2011	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Traffic Engineering Studies & Reports		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Melissa has extensive project management experience in civil, traffic, and transportation engineering projects. Her experience includes close collaboration with clients to develop training tools and guidelines for junior engineering staff. Melissa has also developed comprehensive asset management tools to track large-scale, county-wide roadway safety projects. She has trained over a dozen staff members across several states on roadway safety assessments, ensuring compliance with MUTCD horizontal curve warning signage, and developing safety improvements at unsignalized intersections. As a lead traffic engineer, Melissa is proficient in trip generation, signal timing, traffic modeling, and accident analysis.
11/19 - 06/21	**Henrico County | Annual Contract for Traffic & Roadway Engineering Services, Horsepen Safety Study, Henrico County, VA:** Melissa assisted with the development of a comprehensive safety study for the 0.9-mile section of the Horsepen Road/Glenside corridors between Patterson Avenue and Forest Avenue. She performed the crash data analysis, using VDOT's crash tool and Power BI to evaluate crash trends by location, type, severity, and other key factors. Melissa produced summary tables and figures and identified crash types that were most susceptible to mitigation within the study corridor.
06/25 - Ongoing	**City of Chesapeake | Annual Civil Engineering Services Contract, Task: Curve Delineations & Unsignalized Intersection, Chesapeake, VA:** As technical lead, Melissa evaluated three corridors in the City of Chesapeake for compliance with the horizontal alignment warning sign requirements of the MUTCD 11th edition as well as performed safety assessments and recommendations for over 70 unsignalized intersections in the City of Chesapeake. Melissa led the team to identify safety issues and recommend low cost/systemic countermeasures to mitigate the safety concerns at the unsignalized intersections. Melissa oversaw development of collision diagrams and determined the appropriate Improvements at each intersection in accordance with VDOT's Systemic Low-Cost Countermeasures for Unsignalized Intersections adjusted to the specific considerations at each location.
10/24 - Ongoing	**Virginia Department of Transportation | On-Call Professional Traffic Operations Richmond District, Safety Studies - HRRR Segments, Richmond, VA:** As senior traffic engineer, Melissa led the task to perform safety studies for 18 High Risk Rural Roads with a history of crashes with nine corridors reviewed by RK&K and nine by a subconsultant. Melissa reviewed the corridors for crash hotspots to include in field investigations, performed reviews of previous studies and recent undocumented sign changes to determine the state of planned improvements, and provided adjustments to the proposed plans as needed. Melissa developed recommendations which considered traffic control device improvements, including intersection control, warning devices, conspicuity enhancements, pavement markings, and improved motorist guidance; roadside/shoulder improvements to include rumble strips, guardrail enhancements, or hazard removal within the clear zone. Melissa performed a cost-benefit analysis of the proposed improvements using current bid prices and a Crash Modification Factor Review for each corridor.

Firm employed by: TRANSCEND engineers + planners			
Name	**Pavan Thendulkar Kukkundoor, PE, PTOE**	Years of relevant experience with this employer	3
Title	Senior Project Engineer	Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization		MS / 2017 / Civil Engineering ● BS / 2016 / Civil Engineering	
Active registration number / state / expiration date		PE #147194 /TX / 9.30.25; PTOE #5774 / USA / 4.20.27	
Year registered	2022	Discipline	Civil
Contract role(s) / brief description of responsibilities		Traffic Engineering Studies & Reports	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Pavan has worked on a variety of projects, ranging from field investigations; development of microscopic simulation models; capacity analyses of intersections, corridors, and roundabouts; evaluation of managed lanes; crash safety analyses; predictive safety analyses; development of traffic signal timings; and extensive public interaction experience to understand concerns related to transportation and safety and to summarize engineering analyses, principles, and findings. His duties primarily include evaluating alternatives to improve existing conditions, focusing on traffic congestion and safety; developing traffic forecasts; and performing engineering analyses, including predictive safety analyses to ensure adequate designs for safe and effective transportation solutions.
09/22 - 06/24	**TxDOT | I-635 & I-35E Interstate Access Justification Report (IAJR), Dallas, TX:** Pavan developed an existing balanced volume network, forecasted opening year and future design year volumes, prepared traffic projections, and methodology memos. He reviewed and analyzed traffic data, existing roadway features, traffic flow patterns, accident patterns and frequencies, and transit and traffic operations. Pavan also developed and calibrated the existing condition microsimulation model according to the latest FHWA's traffic modeling guidelines, modeled no-build and future-build conditions, and summarized the results from the analysis. He conducted historical safety analysis using crash data from CRIS database and performed predictive safety analysis using TTI's and TxDOT's latest Texas specific HSM spreadsheets which used modified crash modification factors and safety performance functions to match Texas conditions. Pavan prepared an IAJR report in accordance with established FHWA procedures to document proposed changes in access to interstate highways.
09/22 - Ongoing	**City of Bee Cave | On-Call Traffic Support, Bee Cave, TX:** Pavan is reviewing developer submitted traffic impact assessment studies and helping the city with grant applications for any improvements that need funding. He has worked on Highway Safety Improvement Program (HSIP) grants applications for projects which are eligible for funding under this program. Part of this grant application involves calculating Safety Improvement Index (SII) which is similar to a benefit-cost analysis. Pavan has worked on calculating crash reduction factors using one or multiple work codes and estimating costs for proposed safety applications needed for SII calculation. The cost estimates developed for low-cost isolated intersection safety improvements were in accordance with the guidelines and standards.
01/23 - 07/24	**TxDOT | US 80 Corridor Study, Kaufman County, Dallas, TX:** Pavan developed traffic projections, modeled and calibrated current year microsimulation models, evaluated no-build and proposed build alternatives, performed historical crash analysis, identified crash hotspots, recommended countermeasures, and documented the methodology, analyses, and results for a technical memorandum.
09/22 - Ongoing	**TxDOT | Spur 557 at I-20 IAJR, Dallas, TX:** Pavan is performing operational analysis using HCS and Synchro software and conducting historical crash analysis using crash data from the CRIS database. Historical analysis involved identifying crash hotspots and contributing factors along the corridor. As part of predictive analysis, he was involved in reviewing and QC'ing all the enhanced Interchange Safety Analysis tool outputs that were prepared for the existing and future conditions. Pavan was also involved in preparing an IAJR report in accordance with established FHWA procedures to document proposed changes in access.

Firm employed by: RK&K					
Name	**Richard Barrett, PE**			Years of relevant experience with this employer	12
Title	Project Manager			Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization			BS / 2013 / Civil Engineering		
Active registration number / state / expiration date			PE #51226 / MD / 12.9.26 + other states (upon request)		
Year registered	2018	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Traffic Engineering Design		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Richard has experience using engineering software packages, including OpenRoads Designer CE, AGI32, AutoCAD, MicroStation V8i, AutoTURN 10, ArcGIS PRO, HCS 7, Synchro 11, and GuideSIGN 8. His work experience includes conducting preliminary design studies; investigating the construction site and evaluating the site's geological conditions; drafting and reviewing contracts; preparing concept design drawings based on the client's development objectives; preparing final plans and specifications; preparing site grading design and grading analysis to ensure site safety is achieved through appropriate design slopes; conducting signal warrant analyses, spot speed studies, and turning movement counts; preparing research reports and traffic engineering studies reports; conducting lighting studies; preparing photometric analysis; developing signals; lighting; MOT; signing and pavement marking plans; and construction documents.
03/16 - 05/18	**Arlington County | Clarendon Circle Intersection Street Improvements, Arlington County, VA:** Richard served as the traffic engineer for the re-alignment of an existing seven-leg intersection to improve safety and access for pedestrians, bikers, and transit riders, as well as improving street aesthetics. Safety and access improvements included reducing intersection crossing widths and adding refuge islands, reconstructing curb ramps, adding stand-alone bike lanes, reconstructing and expanding the existing sidewalks, and closing off the leg from N. Irving Street South.
04/16 - 11/17	**Arlington County | Lee Highway (Route 29) & Glebe Road (Route 120) Intersection Improvements Design Development, Arlington County, VA:** As traffic engineer, Richard was responsible for traffic signal and lighting design for this intersection improvement project to increase pedestrian safety and enhance vehicular mobility. The improvements included the addition of left turn lanes along northbound and southbound Glebe Road, new curb and gutter and sidewalk, ADA-compliant curb ramps, enhanced pedestrian crossings, street and driveway entrance modifications, new signal and lighting, and bus shelter enhancements. Richard designed the traffic signal and streetlights and calculated the cost estimates. The traffic signal design included closed-circuit television cameras, APS, video detection cameras, and LED signal heads in accordance with the County's Traffic Signal Specifications and Standards. Streetlight design required photometric analysis using AGi32 software to determine pole placements to achieve County light level criteria compliance.
03/16 - 08/21	**Montgomery County | Glenbrook Road Bike Lane, Bradley Boulevard Intersection Improvements, Montgomery County, MD:** As traffic engineer, Richard developed signing and pavement marking plans, sign details, and cost estimate for the SUP. The project provided new bike/ped connectivity between the existing Capital Crescent Trail network and the Edgemoor and Bradley Hills communities.
11/24 - 03/17	**Johns Hopkins University | San Martin Drive Pedestrian Improvements, Baltimore, MD:** As traffic engineer, Richard was responsible for conducting existing sign inventory for the 6th and 9th street from Florida Avenue NW to Pennsylvania Avenue NW. He prepared 30% signing plans, marking plans, and construction estimate for both corridors. Richard recommended traffic signal modifications to the impacted intersection along the 10 miles of protected bike lanes in three project areas of Washington, DC (Eastern Downtown, Irving Street, and Downtown West).

Firm employed by: RK&K					
Name	**Nick Fleming, PE**			Years of relevant experience with this employer	5
Title	Project Delivery Leader			Years of relevant experience with other employer(s)	12
Degree(s) / Years / Specialization			BS / 2009 / Civil Engineering		
Active registration number / state / expiration date			PE #0402052255 / VA / 12.31.27		
Year registered	2013	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Traffic Engineering Design		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Nick provides support for transportation infrastructure projects for various state transportation agencies and municipalities. His expertise includes traffic safety and operations analysis, traffic signal design, traffic signing design, preparation of MOT/sequence of construction plans, ITS planning and design, roadway lighting design, and construction management. Nick's design experience ranges from planning level design and analysis through final construction plans. He has considerable experience in the analysis and conceptual design of roundabouts and other innovative intersections. Additionally, Nick assists localities in preparing application materials for SmartScale, Revenue Sharing, and other transportation funding sources. This includes project identification and conceptual design development, cost estimation, and support throughout the application process.
03/22 - 03/23	**Virginia Department of Transportation | HSIP Pedestrian Improvements at Signalized Intersections - Phase 2, Various Locations, VA:** Nick led traffic engineering design services to support systemic pedestrian improvements at 10 redline plan sites and 12 concept plan sites. His tasks for the redline sites included field verification of existing signal conditions, developing redline signal plans, and preparing quantities and a cost estimate for upgrading pedestrian signals to APS at selected intersections. For the concept plan sites, Nick coordinated survey and subsurface utility designation with subconsultants, conducted field visits, and developed concept plans that documented existing intersection conditions (including signal equipment) and proposed pedestrian upgrades (including pedestrian signalization, curb ramps, and pavement markings). Nick coordinated with the VDOT task manager to discuss project constraints and devise cost-effective strategies to meet VHSIP program goals within the project budget.
01/23	**Chesterfield County | Annual Contract for Traffic & Roadway Engineering Services, Chesterfield County, VA:** Nick served as the traffic engineer responsible for evaluating existing conditions and identifying feasible multimodal safety improvements for Shady Grove Road and Old Nuckols Road. The proposed concepts included buffered bicycle lanes, cycle tracks, shared-use paths, and modifications to existing roadway sections to accommodate these facilities. Nick managed a traffic analysis to evaluate potential impacts at critical intersections resulting from lane configuration modifications and a roundabout at Old Nuckols and Shady Grove junction.
01/22 - 04/24	**Virginia Department of Transportation | Route 1 at Fall Hill Avenue Signing & Pavement Marking Plans, Fredericksburg, VA:** Nick led traffic engineering design services for a SMART SCALE intersection improvement project. Nick represented VDOT's traffic operations division, worked directly with the VDOT Location and Design (L&D) project manager throughout the development process to meet required deliverables for design submittal. His responsibilities included designing the full replacement of the traffic signal at the intersection of Route 1 and Fall Hill, signing and pavement markings along both approach roadways, and providing updated project cost estimates throughout the development process, including developing estimates in accordance with the Cost Estimating Manual. Nick also supported the VDOT L&D project manager in coordinating with the City of Fredericksburg, which took ownership of the project improvements, including the new traffic signal, upon project completion. Additionally, he oversaw adjustments to the signal plans to address potential underground utility conflicts and ensure adequate space for necessary utility relocations.

Firm employed by: RK&K					
Name	**Rakesh Mora, PE, PTOE**			Years of relevant experience with this employer	12
Title	Technical Manager			Years of relevant experience with other employer(s)	4
Degree(s) / Years / Specialization			MS / 2010 / Civil Engineering ● BE / 2008 / Civil Engineering		
Active registration number / state / expiration date			PE #0402054386 / VA / 12.31.27; PTOE #4169 / USA / 12.19.28		
Year registered	2015	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Crash Analysis		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Rakesh brings years of research and professional experience in traffic and transportation engineering, including field data collection, safety studies, intersection and corridor improvement studies, signal warrant analyses, travel demand modeling, traffic forecasting, development of engineering design details and reports, signing and pavement marking plans, and MOT design plans. His expertise also includes stakeholder coordination and assistance with funding applications, developing GIS-based methodologies for multimodal transportation studies, and traffic signal timing optimization.
02/16 - 09/18	**Virginia Department of Transportation | Hampton Roads Crossing Study (HRCS) Supplemental Environmental Impact Statement (SEIS) & Reevaluation, Hampton Roads, VA:** Rakesh led the traffic analysis efforts including development of volume forecasts, crash analysis, and development and calibration of existing condition VISSIM model. The future condition efforts analyzed conceptual alternatives by evaluating partial and full-time managed lanes along the I-664 mainline, improvements at interchanges ramp terminal, and arterial intersections in the study area. Documentation included compiling analysis findings into project reports and client presentation formats.
12/22 - 08/23	**Loudoun County | Cascades Parkway at Esterbrook Cir SJR, Cascades Parkway at Esterbrook Circle SJR, Cascades Parkway at Esterbrook Circle SJR: Loudoun County, VA :** As lead traffic engineer, Rakesh was responsible for leading the operational and safety analysis, stakeholder coordination, documentation, and presenting findings. This SJR was prepared to respond to a Board Member Initiative to address concerns about a controlled crossing to access Potowmack Elementary School. While multiple innovative intersection types were considered, a conventional traffic signal was determined as the most appropriate alternative for this location.
11/20 - 12/21	**Paulding County Department of Transportation | Buchanan Highway (SR 120) at Scoggins Road (SR 120 Connector) Intersection Safety Improvements, Paulding County, GA:** As a traffic engineer, Rakesh led the safety analysis and traffic forecasting efforts for the Buchanan Highway at Scoggins Road intersection improvement project. The task efforts included documenting field observations, reviewing historical traffic data, and developing future condition volumes.
03/19 - 08/19	**Virginia Department of Transportation | General Task, Chantilly Supplement: Appomattox, VA:** Rakesh served as traffic engineer for this on-call contract which involved conducting planning level operational, safety, and preliminary engineering studies throughout Virginia as part of the STARS program. This initiative identified operational and safety improvements for implementation throughout the Commonwealth. Rakesh was responsible for identifying travel patterns using the Origin Destination matrix, AADT, and speed and travel time data from the StreetLight web-based tool. The results from the analysis helped determine segments/areas in need of transportation solutions to improve mobility and safety.

Firm employed by: RK&K			
Name	**Amanda Reigel, PE**	Years of relevant experience with this employer	4
Title	Project Engineer	Years of relevant experience with other employer(s)	4

Degree(s) / Years / Specialization			BS / 2019 / Civil Engineering
Active registration number / state / expiration date			PE #059788 / NC / 12.31.26
Year registered	2025	Discipline	Civil
Contract role(s) / brief description of responsibilities			Crash Analysis

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Amanda has experience with traffic impact analyses; corridor studies; crash analyses; warrant analyses, including signals, phasing, pedestrian crossing, and turn lane screenings; various projects associated with Highway Safety Improvement Program; and safety studies. Amanda has experience with a variety of software, including Synchro/SimTraffic, Sidra, MicroStation, AutoCAD, FHWA's IHSDM, TransModeler, and HCS.
02/17	**North Carolina Department of Transportation | Feasibility Studies Limited Services Agreement, Various Locations, NC:** As a traffic engineer, Amanda developed volumes using forecast and NCDOT's Intersection Analysis Utility (IAU) tool; modeled existing and future-year no-build and build alternatives in Synchro/SimTraffic and Sidra; determined crash trends using NCDOT TEAAS Strip Analysis Report data; evaluated the need for cross-section widening using HCS; created overview results and recommendations summary presentation for stakeholders; and wrote a memo discussing operational and safety results and potential solutions. As part of NCDOT's Express Design/SPOT efforts, US 421 is proposed to undergo modernization for an 18-mile section spanning Harnett and Lee Counties. This traffic analysis evaluated the original design alternatives for effective operational improvements and identified areas with safety concerns.
09/23 - 02/24	**North Carolina Department of Transportation | Express Design Traffic Evaluation Phase 3, West Jefferson, NC:** As traffic engineer, Amanda developed volumes and a volume report using NCDOT's Express Design tool and detailed procedures, historical AADT data, traffic count data, travel demand models, and growth rate projections within a two-week period upon notice to proceed. She also modeled existing and future year no-build and build alternative scenarios in TransModeler, summarizing results and additional recommendations in written reports. The Express Design process evaluates project designs for operational benefits and aids in accurate estimating of construction costs and project prioritization.
09/24 - 03/25	**City of Fayetteville | On-Call Stormwater Systems Design & Construction - Market House Traffic Study, City of Fayetteville, NC:** Amanda served as traffic engineer, studying potential alternatives for re-purposing the Market Square roundabout at the junction of the City-maintained Gillespie Street/Green Street and Hay Street/Person Street around the Market House in downtown Fayetteville. She assisted with database and field surveys, traffic operational and safety analysis, and concepts and cost estimates.

Firm employed by: RK&K				
Name	**Samantha Carr, PE, PTOE**		Years of relevant experience with this employer	2
Title	Project Manager		Years of relevant experience with other employer(s)	16
Degree(s) / Years / Specialization			BS / 2008 / Civil Engineering	
Active registration number / state / expiration date			PE #30334 / SC / 6.30.26 + other states (upon request); PTOE #557 / USA / 11.21.26	
Year registered	2012	Discipline	Civil	
Contract role(s) / brief description of responsibilities			Systemic Safety Analysis	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Samantha has experience in traffic engineering and transportation planning. She joined RK&K after a 16-year career with SCDOT, where she contributed to roadway design, traffic engineering operations, and transportation planning. At SCDOT, Samantha participated in a wide range of tasks spanning from project planning and prioritization to plan development and review. At RK&K, she performs traffic operational analysis, intersection alternatives analysis, microsimulation, traffic impact studies, capacity analysis, and crash analysis. Samantha has utilized many software packages, including TransModeler and TransCAD, and is proficient in HCS, Synchro/Sim Traffic, MicroStation and Geopak.
12/24	**Berkeley County Government | Royle Road (S-535) at Farmington Road/Treeland Drive (S-1258) Intersection Improvements, Berkeley County, SC:** As a traffic engineer, Samantha reviewed and commented on the draft report. This project consisted of a traffic study and design to improve operations and safety at this intersection that had increasing traffic volumes and substandard alignment. The new intersection evaluated pedestrian needs and included sidewalk work, sidewalk connections, and ADA ramps around a roundabout. The sidewalk work on the bridge projects included sidewalk realignment, sidewalk ties, bridge crossing, ADA ramps, and potential new alighting location.
12/24 - 01/25	**North Carolina Department of Transportation | I-40 at Old N.C. 10 Interchange (I-5990) Traffic Forecast, Icard, NC:** As a traffic engineer, Samantha developed a growth rate to apply to adjusted AADTs to determine future volumes to complete a future year volume network. For the eight intersections in the project area, RK&K provided updated traffic forecasts for 2024 Base Year No-Build and Build and 2050 Future Year No-Build and Build scenarios.
03/25 - Ongoing	**Central Midlands Council of Governments (CMCOG), Lexington, SC:** As a transportation planner, Samantha led the development of traffic analysis models to evaluate existing conditions, forecast future scenarios, and assess proposed improvements. She also established area growth rates using historical AADT data and anticipated developments. RK&K is identifying viable future improvements along the rapidly developing Pine Street corridor, working proactively to account for ongoing growth.

Firm employed by: RK&K				
Name	**Daniel Goldman, PE**		Years of relevant experience with this employer	11
Title	Project Engineer		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 2015 / Civil Engineering		
Active registration number / state / expiration date		PE #0402060952 / VA / 12.31.27		
Year registered	2019	Discipline	Civil	
Contract role(s) / brief description of responsibilities		Systemic Safety Analysis		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Daniel's experience centers on traffic engineering and design, with a strong emphasis on traffic impact analysis and review. He regularly conducts operational analyses of both existing and future traffic conditions using industry-standard software such as Synchro, VISSIM, and HCS. These analyses support decision-making for roadway improvements, signal timing adjustments, and capacity evaluations. He is skilled at preparing traffic impact studies (TIS) and traffic operational analyses (TOA), assessing the effects of proposed developments or infrastructure changes on traffic flow, level of service, and intersection performance. In addition to operational analysis, he performs detailed safety evaluations, including field data collection, crash analysis, speed studies, and identification of deficiencies in signage, sight distance, and other roadway features. His work often supports access management reviews, intersection control evaluations, and recommendations for geometric modifications or traffic control devices.
04/16 - 05/16	**City of Falls Church | Statewide Design Services, Winchester, VA:** As an engineer, Daniel was responsible for VISSIM network inputs, model calibration, and results processing to evaluate various alternatives for the Exit 313 interchange along Route 81 in Winchester. Project tasks involved geometric reconfiguration of the existing network to assess future build alternatives, as well as conducting simulations to determine proper signal timings and coordination patterns for the heavily congested peak hours.
04/20	**Fairfax County | Route 7 Widening – Tysons, Fairfax County, VA:** As an engineer, Daniel was responsible for performing operational analysis (using Synchro) for the Route 7 corridor from Route 123 to I-495 in Tysons Corner, as part of a SMART SCALE funding application. Efforts included processing traffic count data to develop systemwide peak hour volumes, compiling historical AADT data to develop growth rates throughout the study area and forecasting volumes for future year analyses, developing Synchro networks, and extracting measures of effectiveness for existing, future year no-build, and future year build (Route 7 widening) conditions, and presenting analysis results in a technical report.
10/19 - 11/19	**Fairfax County | Route 7 Corridor & Route 7/123 Interchange Concept Study, Fairfax County, VA:** As an engineer, Daniel performed crash analysis at the existing Route 7 interchange with Route 123 in Tysons Corner. The process included collection and organization of raw crash data within the interchange area, development of crash diagrams portraying the distribution of crashes by collision type and severity, identification of trends and hotspots throughout the study area, and analysis of roadway factors and safety deficiencies contributing to crash patterns.
08/15 - 07/17	**Virginia Department of Transportation | Two-Year Limited Services Traffic Engineering Design for Traffic Control Devices & Traffic Engineering Studies/Analysis, Northern, VA:** As an engineer, Daniel developed pavement marking plans (using MicroStation) for various paving schedules in Northern Virginia. Process included field data collection (i.e. measurements and verification of existing conditions), reviewing current VDOT standards and conducting warrant analyses to assess the need for new markings (or the removal/modification of existing markings), and identifying potential safety or operational impacts of various marking alternatives. Daniel also developed bike lane concepts for several roadway segments in Annandale, Virginia.

Firm employed by: RK&K			
Name	**Stephanie Everett, PhD, PE, PTOE**	Years of relevant experience with this employer	11
Title	Project Manager	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		PhD / 2015 / Civil Engineering ● MS / 2012 / Civil Engineering ● BS / 2010 / Civil & Environmental Engineering	
Active registration number / state / expiration date		PE #20930 / DE / 6.30.26 + other states (upon request); PTOE #4682 / USA / 7.17.28	
Year registered	2017	Discipline	Civil
Contract role(s) / brief description of responsibilities		Benefit - Cost Analysis	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Stephanie's experience includes safety and operational analyses, work zone impact analyses, travel forecasting, benefit-cost analyses, and technical report writing. She has worked on a variety of projects, including congestion management studies, safety improvement studies, federally funded research, and the development of transportation management plans (TMPs). Stephanie has experience with various traffic analysis and design software programs, including Synchro, SimTraffic, Highway Capacity Software, VISSIM, CORSIM, and Microstation.
07/22 - 06/23	**Wilmington Metropolitan Area Planning Council | Concord Pike Monitoring - FY23, Concord Pike Master Plan Monitoring Support - FY23, Concord Pike Master Plan Monitoring Support - FY23, Wilmington, DE:** Stephanie supported WILMAPCO by monitoring transportation and land use patterns in the Churchman's Crossing and Concord Pike study areas. Stephanie managed the collection of new turning movement counts at 30 intersections, as well as data analysis to be included in the annual reports for each monitoring effort. For each Monitoring Committee, Stephanie and her team facilitated three in-person Committee meetings, as well as a hybrid Public Workshop. Stephanie and her team tailored Monitoring Committee meetings to the needs in each study area, including developing two different prioritization exercises to solicit input from the Committee members on project priorities.
11/20 - 11/23	**Maryland State Highway Administration | I-695 TSMO Design Build (from I-70 to MD 43), Baltimore County, MD:** As traffic engineer, Stephanie managed the traffic portion of this design-build project to deploy over 40 miles of part-time shoulder use (PTSU) along I-695 between I-70 and MD 43. She documented operational and safety analyses for a full range of TSMO options, including ITS and ATM strategies; provided traffic-related support from a performance-based and practical design perspective; provided environmental traffic support for air quality and noise analysis; and performed safety analyses, including a review of historical crash information and the use of ISATe to predict safety performance under future No-Build and Build conditions.
04/18 - 04/22	**Delaware Department of Transportation | Traffic Engineering & Design Services, Statewide, DE:** Stephanie provided traffic engineering services for this open-end traffic contract for six years. During this period, she worked on numerous traffic engineering assignments including data collection, signal warrant studies, before-and-after crash data analyses, roundabout analyses, pedestrian safety studies, traffic analysis modeling using Synchro/SimTraffic, and the development of special provisions and standards, including DelDOT's user cost estimating procedures (DGM 1-24). Through her assignments, Stephanie coordinated with numerous DelDOT entities, including Community Relations, Maintenance & Operations, Planning, and Project Development.

Firm employed by: RK&K					
Name	**Marcel Klik**			Years of relevant experience with this employer	27
Title	Project Delivery Leader			Years of relevant experience with other employer(s)	6
Degree(s) / Years / Specialization			MCE / 1993 / Civil Engineering ● BE / 1991 / Civil Engineering		
Active registration number / state / expiration date			N/A		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Benefit - Cost Analysis		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Marcel is a traffic project delivery leader and has been involved in traffic engineering projects for state and local transportation agencies, including the Delaware Department of Transportation, Maryland State Highway Administration (SHA), City of Baltimore, and City of Richmond. His assignments include traffic demand forecasting, capacity analysis, crash analysis, and traffic impact analysis. Marcel offers experience in travel demand modeling (Cube), traffic engineering models (Synchro, CORSIM, VISSIM), and databases (Excel and Access). He has completed numerous traffic engineering studies for clients across the Southeast and Mid-Atlantic.
05/21 - 01/22	**Tennessee Department of Transportation | Nashville Inner Loop Study, Nashville, TN:** Marcel served as the traffic analysis manager for a detailed analysis of the interstate network leading to/from and around Downtown Nashville known as the Inner Loop. This area comprises the interstate mainlines of I-24, I-40, and I-65 and includes all interchanges and ramp terminal intersections. Marcel's work completed as part of this effort included traffic forecasting, traffic analysis using VISSIM, and development of conceptual alternatives to enhance operations and safety for motorized vehicles while also prioritizing transit, multimodal access, and freight.
06/11 - 03/12	**Arlington County | Multi-Modal Transportation Planning, Design & Project Management Services for Roads, Streets, & Arlington County Facilities, Arlington County, VA:** Marcel was responsible for development of the Interstate Modification Report (IMR) for a functionally obsolete interchange along I-395 in Arlington. His work included traffic forecasts and analyses; coordination with the design team to refine planning-level interchange concepts; and coordination with stakeholders, including the Pentagon, WMATA, and the National Park Service.
02/21 - 12/21	**Virginia Department of Transportation | Bowers Hill Interchange Improvement Study Interstate Access Request (IAR), Hampton Roads, VA:** Marcel managed all traffic forecasting and analysis tasks, including the development of traffic information for Purpose and Need statement. He oversaw all traffic modeling work, including travel demand forecasts prepared using Cube and simulation analysis using VISSIM. He was responsible for the preparation of traffic technical reports and coordination with air and noise traffic modeling requirements using ENTRADA and Cube. RK&K's overall responsibilities included agency involvement, traffic studies, engineering studies and preliminary alternatives analysis, and environmental studies.
07/18 - 05/19	**Virginia Department of Transportation | HRBT SEIS Reevaluation, Hampton Roads, VA:** Marcel managed all traffic forecasting and analysis tasks, including coordination with air and noise teams, for the Hampton Roads Crossing Supplemental Environmental Impact Study. The study comprised more than 40 miles of freeways, including I-64, I-664, I-564, and VA 164 and included four alternatives involving a combination of new alignment and widening existing roadways, with additional options for tolled and managed lane scenarios. Marcel led preparation of technical documentation and public meeting materials, and coordination with air and noise teams. RK&K's overall responsibilities included public and agency involvement, traffic studies, engineering studies and alternatives analysis, and environmental studies.

Firm employed by: RK&K					
Name	**Tom Earp, GISP**			Years of relevant experience with this employer	13
Title	Senior Technical Leader			Years of relevant experience with other employer(s)	14
Degree(s) / Years / Specialization			BS / 2000 / Geography		
Active registration number / state / expiration date			GISP #48561 / USA / 10.25.27; FAA Remote Pilot #4072001		
Year registered	2010	Discipline	GIS		
Contract role(s) / brief description of responsibilities			GIS		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Tom leads RK&K's GIS and Drone Services departments and has experience managing large multi-year contracts and GIS tasks. He manages large-scale enterprise GIS implementations and GIS web application development projects for clients. Tom has experience leading project teams, gathering requirements, and implementing GIS solutions. He also has expertise in designing and maintaining applications utilizing ArcGIS Server and ArcGIS Online and has extensive experience directing field crews in GIS data collection. His background includes project management, GIS database design and management, geospatial analysis, GIS needs assessments, GIS training, floodplain mapping, 3D modeling, QA/QC, cartography, and data collection. Tom is an FAA-certified remote pilot with more than 500 hours of drone flights.
01/10 - 06/17	**Maryland Transportation Authority | On-Call General Engineering Consultant Contract, Statewide, MD:** Tom served as the GIS specialist, where he created a GIS database of soil sampling measurements to analyze site contamination. He created 3D soil contaminated plume models using ESRI ArcGIS software to visualize and calculate the volume of soil contamination.
01/12 - 05/15	**Maryland Port Administration | eGIS Development, MD:** Tom served as the GIS coordinator/project manager responsible for developing the Port's Enterprise GIS. This GIS system contains all the Port's engineering data and is used to maintain their facilities. Tom conducted requirements analysis, developed database architecture and system design, installed and configured ArcGIS Server and ArcSDE on Oracle 11g. He trained Port staff to publish map services to ArcGIS Online and a local ArcGIS Server instance., as well as trained Port staff to administer ArcGIS Server. Tom managed RK&K staff working on-site to collect and maintain the Port's GIS data.
08/14 - 08/18	**Maryland Transit Administration | Purple Line Public Private Partnership (P3), Montgomery & Prince George's County, MD:** As GIS coordinator, Tom was responsible for project GIS data management, assisted with CCMS application development and testing, and created numerous GIS mapping products, including Property Acquisition Status maps. RK&K, as part of a joint venture, managed the planning, procurement, design, and construction of the $2.2 billion Purple Line Program, which included a new 16.2-mile light rail transit line from Bethesda to New Carrollton, MD. This project included two yards with full-service maintenance buildings.
11/14 - 10/20	**Maryland State Highway Administration | National Pollutant Discharge Elimination System (NPDES) Program Services, Statewide, MD:** Tom served as the GIS specialist, where he was responsible for managing the project 's GIS data for MDOT SHA's TMDL program. The data is an ESRI geodatabase replica in a versioned environment sourced from MDOT SHA's eGIS system. Tom created versions of the data for use by internal staff and subcontractors and ensured all edits were reconciled and posted throughout the database hierarchy. He performed QA/QC and database management tasks on a regular basis and prepared the data for periodic deliveries to MDOT SHA, as well as upgraded ArcGIS Server and SQL Server to latest versions.

Firm employed by: RK&K					
Name	**David Ward, GISP**			Years of relevant experience with this employer	25
Title	Senior Technical Leader			Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization			BA / 1999 / Geography & Environmental Planning		
Active registration number / state / expiration date			GISP #161954 / USA / 8.25.27; FAA Remote Pilot #3984722		
Year registered	2024	Discipline	GIS		
Contract role(s) / brief description of responsibilities			GIS		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	David has diverse experience in applied geospatial technologies and unmanned aircraft system (UAS) services. He directs and implements GIS to provide staff and clients with pertinent information and data analysis to assist and guide decision-making processes. David is responsible for building, updating, and maintaining extensive geospatial datasets of infrastructure and natural resources for various transportation, environmental, and utility projects. In addition to managing data, he specializes in creating mapping and graphical illustrations for presenting project data and analysis. David's background includes GIS database design and management, geospatial analysis, feasibility studies, environmental planning, stream and wetland restoration and monitoring, watershed modeling, 3D modeling, database QA/QC, cartography, and data collection. He is well-versed with Esri ArcGIS software and CADD technologies and is experienced and trained in GPS field data collection utilizing the ArcGIS Online platform and Esri Collector.
09/24 - 04/25	**Union County | Critical Intersections, Union County, NC:** David served as the GIS manager, leading the application of GIS to support public involvement and roadway design. RK&K developed conceptual design and cost estimates for six intersections throughout Union County. UAS reconnaissance for each intersection was used to generate high-resolution imagery and oblique imagery to capture the surroundings of each intersection. This information was in many aspects of the projects, including development of an ArcGIS Online story map for the group of intersections, which hosted project information, including proposed design and alternative comparisons. The StoryMap was a critical tool to present project data at public meetings. These intersections had a combination of safety and congestion issues that required improvements to existing roadways.
01/25	**Carter County | Poga Road #1 over Elk River, Roan Mountain, TN:** As GIS manager, David provided UAS-based LiDAR collection and high-resolution imagery to support preliminary design efforts for the immediate and rapid replacement of two Poga Road bridges over the Elk River, which were destroyed by Hurricane Helene flooding. Deploying UAS provides a quick turnaround for high-quality data that reflects the post-storm situation around these washouts, as well as immediate response to provide temporary detours for local travel.
11/24 - Ongoing	**North Carolina Department of Transportation | I-40 Pigeon River Gorge Emergency Repair, Haywood County, NC:** David is overseeing GIS and UAS efforts for emergency response efforts for a significant washout that occurred along a section of I-40 through Pigeon Gorge as a result of Hurricane Helene. The GIS team developed a map-based web application to display preliminary designs, as well as UAS imagery and LiDAR products, to assist the project team with visualization and calculations for pre- to post-storm changes within the gorge.
02/25 - 04/25	**North Carolina Department of Transportation | Asheville I-26 Connector, Buncombe County, NC:** David provided support throughout the project, which included a GIS web application for the right-of-way acquisition process, as well as UAS support to assess Hurricane Helene damage within the project footprint. This urban interstate widening and new location transportation project extended over the French Broad River. As the largest transportation project ever awarded by NCDOT, this complex project included the design and construction of mainline, 25+ ramps and side roads, 17 bridges (900,000+ SF of bridge), and 300,000+ SF of retaining walls.

Firm employed by: RK&K					
Name	**Dawn Carlson**			Years of relevant experience with this employer	10
Title	Planner			Years of relevant experience with other employer(s)	26
Degree(s) / Years / Specialization			MA / 1992 / Cartography ● BA / 1990 / Geography & Math		
Active registration number / state / expiration date			N/A		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Data Analysis		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Dawn's experience includes capacity analysis, safety analysis, travel forecasting, benefit- cost analysis, noise analysis, and crash analysis. She has worked on a variety of projects, including congestion management studies, safety studies, and operational improvement studies. Dawn is experienced with various traffic analysis and design software programs, including Highway Capacity Software, Synchro, SimTraffic, SIDRA, Cube, and ArcGIS. She has worked with various traffic data sources, including historical traffic data from the Florida Department of Transportation (FDOT) and local planning agencies, lane counts and turning movement counts, crash data from Signal Four Analytics, CARS, and SSOGis, traffic speed data from Regional Integrated Transportation Information System (RITIS), transit data from regional transit authorities, and the Florida Standard Urban Transportation Modeling Structure (FSUTMS) traffic models.
03/17 - 09/19	**Florida Department of Transportation | District 7 Alternate US 19 Corridor Study from Park Street North to Belleair Road, Pinellas County, FL:** Dawn served as planner for this corridor study that included conducting an analysis of the travel related problems, needs and issues, and developing solutions that supported the community defined vision for the future. The scope included identifying the cause and characteristics of issues relating to capacity, traffic operations, safety, access management, traffic signal timing, intersection lighting, freight movements, commuter vs. local trips, transit operations, and bicycle and pedestrian movements. A range of solutions, both short-term and long-term, were developed, all with extensive input from area stakeholders throughout the study. The extensive public involvement program included forming a public advisory group, hosting several public workshops and various meetings with area stakeholders, and using innovative public involvement tools such as WikiMapping. Dawn summarized existing conditions, developed AADTs, traffic characteristics, and crash data in maps, graphics, tables and charts. She evaluated alternative designs in Synchro and SIDRA, developed an online app to gather safety audit data in the field, and assisted with writing various reports.
09/18 - 04/19	**Florida Department of Transportation | District 3: SR 390 (East 14th Street) PD&E Study from SR 77 (Ohio Avenue) to SR 75 (US 231 FPID 421225-2), Bay County, FL:** Dawn served as traffic planner for this study that evaluated the widening of approximately 4.4 miles of SR 390 from a two-lane rural undivided roadway, to a six-lane urban undivided facility with bike lanes and sidewalks. The study considered roadway safety, emergency evacuation capabilities, enhanced bike/ped facilities, and facilitated the movement of people and goods, all while having the least amount of impact on social, economic, cultural, natural, and physical environments. The study limits included four intersections, a bridge over Mill Bayou, and multiple box culvert crossings. Since SR 390 is designated as part of the Greater Northwest Trail Corridor, context sensitive solutions and Transportation Design for Livable Community (LDLC) elements, such as a SUP were evaluated based on community input and safety analysis.
07/16 - 09/16	**Florida Department of Transportation | District 1 Transportation Planning Support Services, District 1, FL:** Dawn provided support to District One including but not limited to the review of proposed methodology, traffic analysis reports, project traffic support, feasibility studies, multimodal corridor planning, and technical support for various transportation modeling software.

Firm employed by: RK&K			
Name	**Joe Baan, PE**	Years of relevant experience with this employer	9
Title	Planner	Years of relevant experience with other employer(s)	13
Degree(s) / Years / Specialization		MS / 2009 / Engineering Management ● BS / 2004 / Chemical Engineering	
Active registration number / state / expiration date		PE #70646 / FL / 2.28.27 + other states (upon request)	
Year registered	2010	Discipline	Civil
Contract role(s) / brief description of responsibilities		Roadway/Sidewalks/Trails	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Joe's experience includes roadway and drainage engineering for major and minor projects in design, PD&E, and construction phases. He has worked on complete streets, new alignments, widenings, interstate, and trail projects. During his time serving the City of Lakeland as Engineering Manager, Joe gained a holistic "cradle-to-grave" perspective of transportation projects, earning experience in planning, funding, design, construction, and maintenance. He has a proven ability to manage projects to meet schedule and budget goals while providing his clients with quality deliverables, problem-solving solutions and responsive service.
02/21 - 11/22	**City of Lakeland | Tenoroc Trail Segment 1 Project Development & Environmental Study from Lake Crago Drive to SR 33 at Old Combee Road, Lakeland, FL:** Deputy project manager for this Local Agency Program-funded PD&E study to evaluate the effects of a 12-foot-wide asphalt multi-use trail located within the Tenoroc Public Use Area. The proposed multi-use trail extends through property owned by the Florida Fish and Wildlife Commission and the Lake Crago Park access road that is operated by the City of Lakeland's Parks and Recreation Department. In addition to the PD&E study, Joe was tasked with managing the trail design as Roadway EOR.
11/24 - 01/25	**Polk County Board of Commissioners | Continuing Engineering Services for Polk County Roads & Drainage, Polk County, FL:** Joe served as project manager responsible for managing scope, budget, and schedule for the analysis of a 2.5-mile extension of Fort Fraser Trail from US 98 at Winter Lake Road to Lakeland Highlands Road at Glendale Street. The study included coordination with the City of Lakeland and the Florida Turnpike Enterprise (FTE) as multiple alternative routes were considered from an engineering, environmental, and cost perspective. The selected alternative included a 175-ft long pedestrian bridge. The design required permitting from the SWFWMD, FDEP, and FTE.
12/21 - 10/22	**Hillsborough County | Tampa Bypass Canal Trail PD&E Study from North 34th Street to CR 581 (Bruce B. Downs Boulevard) (LAP), Hillsborough, FL:** QC manager for this PD&E study to evaluate a multi-use trail along the Tampa Bypass Canal. This trail is critical to the creation of a greenway trail system in Hillsborough County as it connects Flatwoods Trail, Trout Creek and Wilderness Parks, Harney Park, Temple Terrace Dog Park, Veteran's Park, City of Tampa's 50th to 34th Street Trail, as well as the South County and McKay Bay Trails. This SUN-trail compliant, 18-mile multi-use trail will provide tremendous recreational and social opportunities for residents and visitors, connecting the communities of New Tampa, Temple Terrace, East Lake/Orient Park, and Palm River and resources in North Tampa, South Tampa, and Hillsborough County.
02/20 - 01/22	**Florida Department of Transportation | SR 586 (Curlew Road) Resurfacing from East of Talley Drive (69th Street) to SR 584 (Tampa Road), Pinellas County, FL:** Project engineer responsible for roadway and drainage design for the resurfacing of this 2.44-mile urban corridor. The primary objective was to rehabilitate the existing pavement, convert existing full-median openings into safer directional openings, replace deficient sidewalks, and upgrade curb ramps to meet current ADA standards. Improvements to the signalized intersections included vehicle detection replacements, backplate additions, pedestrian feature modifications, vehicle change/clearance intervals/pedestrian timing updates, and intersection lighting.

Firm employed by: RK&K				
Name	**Bob Baker, PE**		Years of relevant experience with this employer	1
Title	Project Delivery Leader		Years of relevant experience with other employer(s)	35
Degree(s) / Years / Specialization		BS / 1989 / Civil Engineering		
Active registration number / state / expiration date		PE #99726 / TX / 9.30.26		
Year registered	2007	Discipline	Civil	
Contract role(s) / brief description of responsibilities		Roadway/Sidewalks/Trails		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Bob has more than three decades of experience focused on both rural/urban roadway and interstate system projects, including all phases of project development from planning to schematic, final design/PS&E and construction. He brings a proven track record managing multidisciplinary teams delivering projects both large and small in both rural and urban environments. Bob extensive roadway design experience includes construction sequence/traffic control, signing and pavement markings, engineering analysis, cost estimating, and ensuring compliance with client submittal documents, design criteria, and standards. He collaborates across disciplines, including traffic control, drainage, structures, SPM, and SWP3, and conducts quality and constructability reviews at each milestone, as well as interim and over-the-shoulder checks throughout the design process.
05/25 - Ongoing	**Williamson County, TX | 2023 Bond Projects - Ronald Reagan Boulevard, Segment D1, Williamson County, TX:** Bob is serving as project manager for this 2.5-mile rural arterial construction of two westbound frontage roads, as well as intersection and safety improvements. This project also includes a new 360-foot, three-span concrete bridge at RM 2338 and resides within the Edwards Aquifer Contributing Zone, requiring coordination and approvals from Texas Department of Transportation (TxDOT) and Texas Commission on Environmental Quality (TCEQ). This project requires close coordination with the GEC, Williamson County, stakeholders, adjacent segment designers, and TxDOT. Bob and the RK&K Team will also be providing bid phase and construction phase services.
01/23 - 07/24	**TxDOT | IH 35 (Mobility 35) Schematic, Austin, TX:** Bob served as deputy project manager for six miles of the Mobility 35 schematic from SH 29 south to RM 1431. Improvements involved three general purpose lanes and two HOV lanes in each direction for IH 35. Improved/redesigned interchanges included SH 29, Leander Road, SE Inner Loop, Westinghouse Road, and RM 1431. The project provided continuous frontage roads, shared-use path (SUP), and accommodated a full directional interchange at the SE Inner Loop.
04/24 - 05/25	**TxDOT | SH 121 Schematic & PS&E, Fort Worth, TX:** Bob served as senior roadway engineer for the main lane widening of SH 121, from SH 183 to Stone Meyers Pkwy in Euless, Texas. This 4.7-mile project involved adding a peak-hour lane on the inside of both the northbound and southbound main lanes. The scope also included widening eight main lane bridges, drainage improvements, ITS upgrades, overhead sign bridges, replacing substandard barriers, and other safety improvements.

Firm employed by: RK&K					
Name	**Liz Lorello, PE**			Years of relevant experience with this employer	8
Title	Project Delivery Leader			Years of relevant experience with other employer(s)	11
Degree(s) / Years / Specialization			BS / 2007 / Civil Engineering		
Active registration number / state / expiration date			PE #74699 / FL / 2.28.27		
Year registered	2012	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Hydraulics		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Liz has been responsible for the design of drainage and stormwater management systems for various types of roadway improvement projects. Her experience includes the layout and design of cross drains, ponds design and modeling, bridge hydraulic analysis, watershed modeling and storm sewer systems, as well as the preparation of plans and design documentation. Liz has worked on several minor design and scenic enhancement contracts and is well-versed in the execution of on-call and task work order-based contracts. Her experience includes drainage and roadway design for urban and rural roadway widenings, resurfacings, intersection reconfigurations, and limited access facility projects.
05/19 - 10/20	**Florida Department of Transportation | District 1 CR 887 (Old US 41) PD&E Study from US 41 (Tamiami Trail) to Bonita Beach Road, Lee & Collier Counties, FL:** Liz served as drainage engineer responsible for assisting in the drainage and stormwater evaluation for this PD&E project from US 41 to Bonita Beach Road which evaluated alternatives for widening and incorporation of complete streets treatments. The evaluation included drainage improvements, accommodation for pedestrians and bicycles, improved transit facilities, and optimized vehicle access. This project used the Dunruss Creek Watershed Model to show no impacts to the floodplain in lieu of traditional compensation sites.
02/24 - 09/25	**City of Bonita Springs | East Terry Street Stormwater & Multi-Use Pathway Project, Bonita Springs, FL:** Liz served as drainage EOR for the design of stormwater improvements to mitigate historical flooding at several locations along East Terry Street from Old US 41 to Bonita Grande Drive. Elements also included a shared use path and other multimodal improvements from Imperial Parkway to Bonita Grande Drive.
03/23 - 09/24	**City of Bonita Springs | Goodwin Street Pedestrian & Drainage Improvement Project, Bonita Springs, FL:** Liz served as drainage engineer for these drainage improvements. The project included acquisition of additional right-of-way, reconstruction of Goodwin Street along its entirety, an approximate 2,600-foot-long corridor from Old 41 Road to Matheson Street. Elements also included reclamation of the existing roadway, road realignment, and reconstruction within the expanded right-of-way to enable the construction of new sidewalks, landscaping and irrigation improvements, and drainage infrastructure from Old 41 Road to Matheson Avenue.

Firm employed by: RK&K			
Name	**Vishal Verma, PE**	Years of relevant experience with this employer	4
Title	Project Engineer	Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization		MS / 2019 / Civil Engineering ● BS / 2018 / Civil Engineering	
Active registration number / state / expiration date		PE #98455 / FL / 2.28.27	
Year registered	2024	Discipline	Civil
Contract role(s) / brief description of responsibilities		Hydraulics	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Vishal's experience includes drainage engineering for major and minor projects in design, project development and environments, and construction phases. He has worked on watershed models, stream restoration projects, bridge replacements, and right-of-way improvement projects. Vishal is proficient in ArcGIS, AutoCAD, Civil 3D, ICPR, SWMM, and Open Roads Designer. Vishal has the proven ability to meet project schedule deadlines, budget goals, and assist project managers to provide the client with quality deliverables.
06/22 - 01/24	**City of Bonita Springs | Goodwin Street Pedestrian & Drainage Improvement Project, Bonita Springs, FL:** As engineering intern, Vishal assisted with the preparation of the drainage and roadway components of this project. This project involved the widening of Goodwin Street to provide bike lanes and sidewalks. As a subconsultant, RK&K provided drainage and environmental permitting services. The existing bridge over Leitner Creek was replaced at a higher elevation to reduce the frequency of overtopping. The storm drain system was carefully designed with two outfalls to keep pipe diameters below permitting thresholds.
02/23	**Polk County Board of Commissioners | 2022-095 Polk County Master Consulting Agreement, Polk County, FL:** Vishal served as drainage engineer for this task assignment from RK&K's Roads and Drainage continuing services contract with Polk County. The project called for the design and permitting of drainage improvements along North Cambell Road, West Socrum Loop Road, and Old Dade City Road in Polk County. The sidewalk network was incomplete and high pedestrian traffic was observed traveling to and from Socrum Elementary School. RK&K produced plans to complete the sidewalk network on the west side of the road from 400 feet north of Pebblebrooke Boulevard to Old Dade City Road and on Old Dade City Road from Socrum Loop Road to the north entrance to Socrum Elementary School.
06/22 - 11/25	**Polk County Board of Commissioners | Continuing Engineering Services for Polk County Roads & Drainage, Polk County, FL:** As engineering intern, Vishal assisted with cross section preparation and plan production for the design of a 2.5-mile extension of the Fort Fraser Trail. The existing Fort Fraser Trail was a shared-use path on the east side of Bartow Road (US 98) south of Winter Lake Road. The existing trail will extend approximately 2.5 miles west along Winter Lake Road, through the Sanlan Property, and north along Lakeland Highlands Road to the intersection of Lakeland Highlands Road and Glendale Street. The proposed shared use path segments will be 8-12 feet wide and sidewalk segments will be 5-6 feet wide. Adjacent swales will be constructed within a 40- foot right-of-way and easement corridor between Winter Lake Road and Lakeland Highlands Road. The design included a partially covered 175-foot prefabricated steel truss pedestrian bridge over surface water just south of Polk Parkway between Stagecoach Road and Lakeland Highlands Road in Segment Two.

Firm employed by: RK&K					
Name	**Gregory Goins, PE**			Years of relevant experience with this employer	20
Title	Director			Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization			MS / 2013 / Engineering ● BS / 2001 / Civil Engineering Technology		
Active registration number / state / expiration date			PE #0402043697 / VA / 1.31.26 + other states (upon request)		
Year registered	2008	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Geotechnical		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Greg has experience in a variety of projects, including roadways, retaining walls, buildings, bridges, railways, and stormwater management facilities. He has developed and directed subsurface exploration programs, including soil and rock sampling and laboratory testing methods. He is also experienced in using in-situ testing equipment, including Dynamic Cone Penetrometer (DCP). Greg is experienced in field work and drilling in areas of limited right-of-way, such as dense urban areas, interstate, and rail right-of-way. He is also experienced in characterizing subsurface conditions and recommending geotechnical engineering considerations, including bridge and building foundations, mechanically stabilized earth (MSE) walls, earthwork, pavements, and stormwater management.
06/25 - Ongoing	**North Carolina Department of Transportation | Geotechnical, GeoEnvironmental & Foundation Testing Services, Raleigh, NC:** As contract manager for multiple statewide contracts, Greg initiates and oversees all RK&K assignments. His duties include proposal preparation, contract negotiations, project set up, invoicing, and performance management. The contract supports the statewide implementation of various as-needed subsurface investigations for roadway and structures, including subsurface inventories, foundation recommendation reports, and retaining wall design for projects across the state. Under this contract, RK&K is conducting geoenvironmental assessments and subsurface explorations, pavement design investigations, and providing geotechnical design recommendations for roadway, retaining wall, and bridge foundations, as well as recommendations for pavement design.
02/22 - Ongoing	**Tennessee Department of Transportation | On-Call Geotechnical Engineering, Region 1, Region 1, TN**: Greg is the project manager for this contract, responsible for scoping, proposal preparations, invoicing, staffing, management of field work, and delivery of final submittals to TDOT. The contract is for geotechnical services within TDOT Region 1 (which includes the eastern portion of the state) and has included rock fall mitigation recommendations, soils and geology reports for roadway, and geotechnical recommendations for bridges and retaining walls.
03/25 - Ongoing	**North Carolina Department of Transportation | I-40 Pigeon River Gorge Emergency Repair Designs, Haywood County, NC:** Greg oversees geotechnical engineering services for emergency response efforts for a significant washout along a five-mile section of I-40 through the Pigeon River Gorge caused by Hurricane Helene. He is responsible for ensuring that all deliverables are on schedule and meet the highest standards of quality and resiliency and are compliant with funding requirements for NCDOT, FHWA, and environmental resource agencies.
02/22 - 03/24	**South Carolina Department of Transportation | Closed & Load Restricted Bridge Package 2021-1 Design-Build, Multiple Counties, SC:** As senior geotechnical engineer, Greg provided quality control reviews of geotechnical engineer reports, which included design recommendations for driven H-piles and drilled shafts, roadway recommendations, and recommendations for retaining wall construction. RK&K was lead designer for eight fast-paced design-build bridge replacements. Using SCDOT's recently adopted supplemental design criteria for Low Volume Bridge Replacement projects, RK&K developed designs for the bridges, ranging from 80 to 130 feet in length, including obtaining "No-Rise" Certificates for all FEMA-involved bridges. The $14.9 million contract replaced the existing bridges and the associated roadway and drainage work needed to tie new approaches to the existing roadways and includes demolition, removal, and disposal of the existing bridge structures.

Firm employed by: RK&K			
Name	**Simone Metzger, PE**	Years of relevant experience with this employer	3
Title	Project Manager	Years of relevant experience with other employer(s)	15
Degree(s) / Years / Specialization		MS / 2017 / Civil Engineering ● Masters Degree / 2006 / Education ● BS / 2005 / Civil Engineering	
Active registration number / state / expiration date		PE #41259 / SC / 6.30.26 + other states (upon request)	
Year registered	2023	Discipline	Civil
Contract role(s) / brief description of responsibilities		Geotechnical	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Simone is a geotechnical engineer with experience in developing and directing geotechnical exploration programs to characterize subsurface conditions and to provide recommendations and construction considerations for geotechnical challenges. Her skill set includes slope-stability analysis, retaining wall stability analysis and design, soil stabilization techniques, shallow and deep foundation analysis and design, geotechnical data management, shop drawing review, and field support including proof roll observations and foundation evaluations. Before joining RK&K, Simone managed and led project teams and integrated into teams of engineers for projects across healthcare, municipal, industrial, energy, and transportation business sectors.
01/20 - Ongoing	**Tennessee Department of Transportation | On-Call Geotechnical Engineering, Region 1, TN:** As project manager, Simone is responsible for coordinating the geotechnical fieldwork, delivering the Soils and Geology Report and geotechnical plan sheets, and participating in the PDN process by actively supporting the project team.
11/22 - 12/25	**Tennessee Department of Transportation | I-75 Interchange at I-24 Phase 2 Design-Build, Hamilton County, TN:** As project engineer, Simone was responsible for a portion of the field exploration to obtain additional subsurface data once demolition was underway, coordinating with the drillers, utilities, traffic control, police, and the contractor to perform the work under nighttime lane closures. She provided recommendations for a DMS sign structure, reviewed shop drawings for soil nail and MSE walls, evaluated impacts of roadway and structural design changes to the geotechnical recommendation, and as needed, re-evaluated global and external stability for MSE, soil nail, and soldier pile walls. Additionally, she revised geotechnical reports and drawings. Simone also provided construction support, including field observation of wall construction and review of test results for nail/anchor testing using DeepEX software for the project.
12/24 - Ongoing	**City of Sevierville | Sevierville Sinkhole Evaluation Bridge, Sevierville, TN:** Simone is serving as a geotechnical project manager for this task to evaluate sinkholes in the vicinity of the Collier Drive Bridge over Middle Creek in Sevier County and for a task to perform a subsurface exploration and provide geotechnical recommendations for a fire station and public works facility in Kodak, Tennessee. The sinkhole evaluation task will entail providing recommendations for an intermediate repair plan for the present sinkholes to limit their current progression. She is responsible for coordinating the subsurface exploration and recommendations with the design team for the fire station and public works facility, which is currently underway.
10/23 - 10/24	**North Carolina Department of Transportation | I-40 to South of Rock Quarry Road, Raleigh, NC:** As a project engineer, Simone was responsible for QC review of the Preliminary Bridge Geotechnical Report for SC 114 over Sandy Run Creek, which included bridge embankment settlement, global stability, and foundation recommendations for drilled shafts and H-piles.

Firm employed by: C&C INCORPORATED			
Name	**Chris Ballard, PLS**	Years of relevant experience with this employer	10
Title	Survey Manager	Years of relevant experience with other employer(s)	19
Degree(s) / Years / Specialization		BS / 2004 / Biological Science	
Active registration number / state / expiration date		PLS #5033 / LA / 9.30.26; ATSSA Louisiana Traffic Control Supervisor	
Year registered	2010	Discipline	Land Surveyor
Contract role(s) / brief description of responsibilities		Survey	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	As survey manager, Chris will oversee that the survey work stays on schedule, will assist in both crew coordination and office production, and provide final QC on the firm's deliverable to RK&K. Chris has an extensive background in providing topographic surveys for LADOTD in accordance with location and survey policies and procedures. He has overseen projects utilizing traditional means and methods of collecting data as well as those that include the use of 3D terrestrial scanning.
12/23 - 05/23	**H.012618 | LA 347 Drainage Improvements:** Chris was the survey manager for a topographic survey of just over two miles of roadway. Both traditional means and methods and 3D scanning were used to collect topographic data for this roadway improvement project. The project was completed to LADOTD Location and Survey standards and practices.
02/23 - 12/23	**H.012027.5 | I-20 UPPR**: Chris was the survey manager for a topographic survey for the interstate in North Louisiana. Both traditional means and methods and 3D scanning were used to collect topographic data for this interstate and overpass improvement project. This project also included coordinate and survey of the Union Pacific Railroad line crossing I-20. The project was completed to LADOTD Location and Survey standards and practices.
09/18 - 01/20	**H.004100 | I-10: LA 415 to Essen Lane on I-10 and I-12, West & East Baton Rouge, LA**: Chris was the survey manager for topographic surveying of a portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 bridge and the limits of the project along LA 415, including work on tributaries of the Intercoastal Canal. Project work included using 3D scanning for the bridge at I-10 bridge at LA 415 as well as scanning every 500 feet for control verification and incorporation of mobile LiDAR for the I-10 pavement.
04/17 - 07/17	**H.010006.5-3 | LA 58 Petit Caillou Bridge Rehabilitation (Sarah Bridge), Terrebonne Parish, LA:** Chris was the survey manager for a complete topographic survey, utility coordination, channel cross sections, and the scanning of the existing vertical lift bridge for the design of its repairs/replacement. The project included data collection of the topography via traditional means and methods along with 3D terrestrial scanning and hydrographic surveying.
02/19 - 09/19	**Bridge Replacements in East Feliciana Parish, Rural East Feliciana Parish, LA**: Chris was the survey manager for the replacement of two bridges which were damaged from flooding, including the repairs to many rural roadways throughout the parish. These projects were funded through FEMA and all documentation was in accordance with FEMA's policies and procedures.
01/17 - 12/17	**East Baton Rouge Parish Bridges, East Baton Rouge Parish, LA:** This project involved topographic surveys for at least four bridge replacement projects throughout East Baton Rouge Parish. Chris served as survey manager on each of these projects which included cross-sectioning and tracing the channel at each location, including bridges over Dawson Creek, Claycut Bayou, Copper Mill Bayou, and Cypress Bayou.

Firm employed by: CD&C INCORPORATED					
Name	**Madison Mills, PLS**			Years of relevant experience with this employer	4
Title	Survey Project Manager			Years of relevant experience with other employer(s)	4
Degree(s) / Years / Specialization			BS / 2016 / Civil Engineering		
Active registration number / state / expiration date			PLS #5293 / LA / 3.31.27; ATSSA Louisiana Traffic Control Supervisor / 7.12.27		
Year registered	2022	Discipline	Land Surveyor		
Contract role(s) / brief description of responsibilities			Survey		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Madison joined CD&C in 2021 as a land surveying intern and has recently been licensed as a Professional Land Surveyor. He serves as a survey technician and assistant project manager working to manage field crews, process field crew data, and finalize deliverables.
12/24 - 04/25	**H.014824.5 | LA 317 - Wax Lake B:** Madison served as survey project manager. The topographic data for this survey was collected through a combination of conventional ground survey and terrestrial LiDAR data collection methods. The project was completed to LADOTD Location and Survey standards and practices.
10/24 - 01/25	**H.015849 | US 190 R Cuts at LA741:** Madison served as survey project manager. The topographic data for this survey was collected through a combination of conventional ground survey and terrestrial LiDAR data collection methods. The project was completed to LADOTD Location and Survey standards and practices.
12/23 - 05/23	**H.012618 | LA 347 Drainage Improvements:** Madison served as survey project manager for a topographic Survey for just over two miles of roadway. Both traditional means and methods and 3D scanning were used to collect topographic data for this roadway improvement project. The project was completed to LADOTD Location and Survey standards and practices.
09/23 - 12/23	**H.015619.5 | LA 106:** Madison served as survey project manager for a topographic survey for just over eight miles of roadway. Traditional means and methods was used to collect limited topographic data for this overlay and roadway rehabilitation project. The project was completed to LADOTD Location and Survey standards and practices.
05/23 - 08/23	**H.015056 | LA 685:** Madison served as survey project manager for a topographic survey for just over 4,503 feet of roadway. Both traditional means and methods and 3D scanning were used to collect topographic data for this roadway improvement project. The project was completed to LADOTD Location and Survey standards and practices.
05/23 - 08/23	**H.015058 | LA 14 Business:** Madison served as survey project manager for a topographic survey for just over 12,300 feet of roadway. Both traditional means and methods and 3D scanning were used to collect topographic data for this roadway improvement project. The project was completed to LADOTD Location and Survey standards and practices.
02/23 - 12/23	**H.012027.5 | I-20 UPPR**: Madison served as survey project manager for a topographic survey for the interstate in North Louisiana. Both traditional means and methods and 3D scanning were used to collect topographic data for this interstate and overpass improvement project. This project also included coordinate and survey of the Union Pacific Railroad line crossing I-20. The project was completed to LADOTD Location and Survey standards and practices.

Firm employed by: C&K INCORPORATED			
Name	**Jacob Stoehr**	Years of relevant experience with this employer	10
Title	Senior Survey Party Chief	Years of relevant experience with other employer(s)	1.5
Degree(s) / Years / Specialization		N/A	
Active registration number / state / expiration date		ATSSA Louisiana Traffic Control Supervisor, Technician & Flagger	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Survey	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Jacob will serve as a survey party chief managing a crew to collect topographic data in the field in accordance with LADOTD Location and Survey means and methods.
12/24 - 04/25	**H.014824.5 | LA 317 - Wax Lake B:** Jacob served as senior party chief. The topographic data for this survey was collected through a combination of conventional ground survey and terrestrial LiDAR data collection methods. The project was completed to LADOTD Location and Survey standards and practices.
10/24 - 01/25	**H.015849 | US 190 R Cuts at LA741:** Jacob served as senior party chief. The topographic data for this survey was collected through a combination of conventional ground survey and terrestrial LiDAR data collection methods. The project was completed to LADOTD Location and Survey standards and practices.
02/23 - 12/23	**H.012027 | I 20: Union Pacific RR Overpass**: Jacob served as a party chief responsible for a topographic survey beginning and ending 5,000 feet beyond either end of the approach slab of the I-20 eastbound and westbound subject bridge structure. Terrestrial laser scanning was used on all hard surface areas, including parking lots, roadway and bridge structures, and Union Pacific Railroad rails.
09/21 - 03/22	**H.014747 | Southern University Ravine Protection, East Baton Rouge Parish**: Jacob served as one of the survey party chiefs on this project by managing a crew to collect topographic data in the field utilizing LADOTD Field Codes.
07/20 - 04/21	**H.001352.5 & H.002273.5 | Comite River Diversion Bridge at LA 67, LA 19, & LA 19 Railroad Bridge, East Baton Rouge Parish:** Jacob was a party chief on this project responsible for topographic surveying the LA 67 and LA 19 sites of the Comite River Diversion project. The topographic data for this project was collected traditionally.
01/18 - 01/20	**H.004100 | I-10: LA 415 to Essen Lane on I-10 & I-12, West & East Baton Rouge, LA:** Jacob was the survey party chief responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 bridge and the limits of the project along LA 415.
07/17 - 12/18	**H.010960.5-2 | LA 30 Roundabouts at Tanger I-10, Ascension Parish, LA:** Jacob served as one of the survey party chiefs on this project by managing a crew to collect topographic data in the field utilizing LADOTD Field Codes.
08/16 - 01/18	**H.011235 | I-49 Verot School Road, Lafayette, LA:** Jacob served as one of the survey party chiefs on this project by managing a crew to collect topographic data in the field utilizing LADOTD Field Codes.

Firm employed by: CD&C INCORPORATED			
Name	**Clarence J. Goodspeed**	Years of relevant experience with this employer	4
Title	SUE Manager	Years of relevant experience with other employer(s)	30
Degree(s) / Years / Specialization		N/A	
Active registration number / state / expiration date		ATSSA Traffic Control Supervisor – LA State Specific (Training Course) / 4.7.26	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		SUE	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Clarence has 30 years of experience in underground utilities. He has been involved in nearly every aspect of the field and has extensive knowledge of reading prints from multiple utility companies. His understanding of how various systems are installed makes him a valuable asset to the CD&C SUE department.
12/24 - 04/25	**H.014824.5 | LA 317 - Wax Lake B:** Clarence performed utility coordination and was responsible for a complete topographic survey as well as an existing drainage map. The topographic survey of all utilities included depths, drainage, and finished floor elevations of all buildings that fell within the designated survey limits.
10/24 - 01/25	**H.015849 | US 190 R Cuts at LA741:** Clarence performed utility coordination and was responsible for a complete topographic survey as well as an existing drainage map. The topographic survey of all utilities included depths, drainage, and finished floor elevations of all buildings that fell within the designated survey limits.
07/23 - Ongoing	**College Drive (MoveBR):** Clarence serves as SUE manager for full topography and utility coordination for approximately 20 acres. He coordinates the collection of utility information and location for survey crews to incorporate to a QL-D to QL-B level accuracy.
10/23 - 10/24	**HMGP – FEMA Groom Road Brushy Bayou:** Clarence served as SUE manager for a full SUE submittal for approximately one mile of roadway. He coordinated the collection of utility information and location for survey crews to incorporate it for the submittal of QL-B.
05/23 - 06/23	**West Broussard at Duhon SUE:** Clarence served as SUE manager for SUE QL-A utility designation for approximately 2,000 feet of roadway, including SUE reports and data.
03/22 - 10/23	**H.011833.5 | St. Mary Street Sidewalks, Scott, LA**: Clarence oversaw and coordinated the collection of all utility information and location such that survey crews could collect data and incorporate for the submittal up to QL-D Level B.
03/22 - 09/22	**H.010960.5-2 | Roundabouts at LA 182, Lafayette, LA**: Clarence oversaw and coordinated the collection of all utility information and location such that survey crews could collect data and incorporate for the submittal up to QL-D Level B.
05/23 - 06-23	**Burbank at Pelican Lakes, Baton Rouge, LA:** Clarence served as the SUE manager on this intersection improvement project. Location of all subsurface utilities were provided to QL-C.
01/23 - 07/23	**Pride Port Hudson Road:** Clarence provided utility coordination and utility mapping. He also worked with the local utility companies to locate their assets. In instances where the utilities could not be located, Clarence secured as-built/record drawings and directed SUE field crews for the marking of those assets so that a topography survey could be completed. He also served as a QC check for all utilities located by the survey crews and SUE crew.

Firm employed by:				
Name	**Tracey Smith**		Years of relevant experience with this employer	3
Title	Utility Coordinator		Years of relevant experience with other employer(s)	24
Degree(s) / Years / Specialization			N/A	
Active registration number / state / expiration date			ATSSA Traffic Control Technician – LA State Specific (Training Course) / 8.2.26	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			SUE	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Tracey has 27 years of experience in underground utilities. He has experience working in the gas field and also spent time performing various underground utility locations and serving as a supervisor for a number of locate technicians.
03/22 - 10/23	**H.011833.5 | St. Mary Street Sidewalks; Scott, LA**: Tracey served as the SUE field chief and worked in the field to coordinate the collection of all utility information and location so that survey crews could collect data and incorporate for the submittal up to QL-D Level B.
03/22 - 09/22	**H.010960.5-2 | Roundabouts at LA 182, Lafayette, LA**: Tracey served as the SUE field chief and worked in the field to coordinate the collection of all utility information and location so that survey crews could collect data and incorporate for the submittal up to QL-D Level B.
05/23 - 08/23	**H.015056 | LA 685:** Tracey served as the SUE field chief for a topographic survey for just over 4,503 feet of roadway. Both traditional means and methods and 3D scanning were used to collect topographic data for this roadway improvement project. The project was completed to LADOTD Location and Survey standards and practices.
05/23 - 08/23	**H.015058 | LA 14 Business:** Tracey served as the SUE field chief for a topographic survey for just over 12,300 feet of roadway. Both traditional means and methods and 3D scanning were used to collect topographic data for this roadway improvement project. The project was completed to LADOTD Location and Survey standards and practices.
07/23 - Ongoing	**College Drive (MoveBR):** Tracey serves as the SUE field chief for the full topography and utility coordination for approximately 20 acres. He coordinates the collection of all utility information and location for survey crews to incorporate utility information to a QL-D to QL-B level accuracy.
10/23 - 10/24	**HMGP – FEMA Groom Road Brushy Bayou:** Tracey served as the SUE field chief for a full SUE submittal for approximately one mile of roadway. He coordinated the collection of all utility information and location for survey crews to collect data and incorporate it for the submittal of QL-B.
05/23 - 06-23	**Burbank at Pelican Lakes, Baton Rouge, LA:** Tracey served as the SUE field chief on this intersection improvement project. Location of all subsurface utilities were provided to QL-D.
01/23 - 07/23	**Pride Port Hudson Road:** Tracey served as the SUE field chief and worked with the local utility companies. In instances where the utilities did not locate, he assisted in securing as-built/record drawings. Tracey marked those assets so that a complete topography survey could be completed.

17. Firm Experience:

Firm name	RK&K		Discipline(s)*	Data Collection, Environmental, Planning, Traffic	
Project name	**Transportation Innovation Services – Context Driven User Guide**		Firm responsibility (prime or sub?)	Prime	
Project number	N/A	Owner's name	Maryland State Highway Administration (MDSHA)		
Project location	Statewide, MD		Owner's Project Manager	Kandese Halford	
Owner's address, phone, email	7201 Corporate Center Dr., Hanover, MD 21076 | 410.865.1273 | kholford2@mdot.maryland.gov				
Services commenced by this firm (mm/yy)	06/20	Total consultant contract cost ($1,000's)		$693	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)		$693	

With a focus on Vision Zero and a commitment to improving pedestrian, bicycle, and motorist safety across Maryland, MDOT SHA began the Context Driven initiative. The RK&K Team defined the elements of Context Driven, created a brand for all components, and developed a strategic plan for launching each item internally and externally.

The Context Driven approach to roadway design involves exploration of land use and typical users to balance mobility and access. The initial launch of this new direction from MDOT SHA included the publication of a guide and presentation at MdQI. Following the release of this initial document and training, RK&K coordinated with RIPD to develop a Pedestrian Safety Action Plan, Toolkit of Countermeasures, Case Studies of Context Driven Implementation Projects, Education and Training Materials, and a Web Portal to house each of the Context Driven components.

The Pedestrian Safety Action Plan uses a data-driven and human calibrated methodology to identify areas of need, highlight corridors with critical safety scores, and apply countermeasures from the Toolkit to set a course for achieving Vision Zero. Unique to this PSAP, the team analyzed crash data by Context in the Urban Core, Urban Center, Traditional Town Center, Suburban Activity Center, Suburban, and Rural zones. Each of MDOT SHA's seven districts plus Baltimore City have a State of Pedestrian Safety in Maryland Report Card – documenting fatal and serious crashes MDOT SHA and non MDOT SHA roadway and highlighting total crashes, intersection and non-intersection, signal and non-signal, and speed for the pedestrian and bicycle crashes. Areas of need were determined using a GIS model overlapping Non-Fatal Crash Density, Public Comments, Short Trip Opportunity Areas (STOAs), Serious and Fatal Crash Density, and Equity. Each of these components are derived from granular analysis from geospatial statewide crash data and American Community Survey (ACS) data. The composite results revealed areas of need across the state. Within each area of need, MDOT SHA corridors were assigned a score based on weighted factors within the Crash, Equity, Destination and Connections, Highway Safety Improve Program, and Activity Density analyses. The top critical corridors within each district are included in 40 cut sheets reflecting the existing conditions, speed, crash data, equity area, and context with recommended countermeasures, costs, and programming support aimed at decreasing crashing and working toward achieving Vision Zero.

Team Members Involved: Stuart Samberg, PE, PTOE, PTP, RSP, DBIA | Tristan Jackson, AICP

Firm name	RK&K	Discipline(s)*	Data Collection, Environmental, Planning, Traffic
Project name	**Iron Hill to Glasgow Park Pathway Planning**	Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	New Castle County
Project location	Newark, DE	Owner's Project Manager	Marco Boyce, PLA, ASLA
Owner's address, phone, email	87 Reads Way, New Castle, DE 19720 | 302.395.5778 | Marco.Boyce@newcastlede.gov		
Services commenced by this firm (mm/yy)	07/22	Total consultant contract cost ($1,000's)	$185
Services completed by this firm (mm/yy)	01/23	Cost of consultant services provided by this firm ($1,000's)	$175

RK&K completed a trail network area plan for New Castle County, DE, that connected Iron Hill Park and Glasgow Regional Park in the City of Newark and the Village of Glasgow. Utilizing the privately-owned Cooch's Bridge Historic Site, the project connects two non-adjoining proprieties situated across 10 acres, separated by the Christina and Old Baltimore Pike. The property includes numerous well-known historical sites, County-maintained facilities at Iron Hill Park and Glasgow Park, and the man-made Sunset Lake.

The network connects residents and visitors to local assets such as schools, lakes, rivers, forests, shopping centers, and American Revolutionary War battlegrounds. This proposed trail network includes a variety of facilities, materials, and phases all designed to work in symphony to provide this suburban area with a safe, connected, and beautiful trail network.

This network will contribute roughly 24 miles of new and improved trail to New Castle County's overall network. Deliverables include a detailed report with planning-level cost estimates, permitting guidance, and potential funding sources for each of the 27 trail segments that make up the proposed network. The RK&K team employed close coordination with the County, project stakeholders, and the public, combined with extensive trail planning experience and in-depth analysis to craft a plan that leveraged New Castle County's existing assets while conquering challenges with creative solutions.

Team Members Involved: Tristan Jackson, AICP

Firm name	RK&K	Discipline(s)*	Data Collection, Environmental, ITS, Planning, Road, Survey, Traffic
Project name	**Statewide General Planning Services Contract**	Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	Virginia Department of Transportation (VDOT)
Project location	Statewide, VA	Owner's Project Manager	Carrie Saunders
Owner's address, phone, email	1221 E. Broad Street, Richmond, VA 23219 | 804.786.2465 | carrie.saunders@vdot.virginia.gov		
Services commenced by this firm (mm/yy)	06/21	Total consultant contract cost ($1,000's)	$4,000
Services completed by this firm (mm/yy)	3/25	Cost of consultant services provided by this firm ($1,000's)	

RK&K is supporting VDOT in advancing and promoting statewide long-range, short-range, and multimodal planning; improving the coordination between land use and transportation planning; and working with localities and other agencies to ensure multimodal solutions are identified for advancement in the Six-Year Improvement Program. Tasks performed under this contract include:

Route 340 at Route 649 Signal Justification Report, Rockingham County, Staunton District: RK&K developed a traffic analysis, safety study, and Signal Justification Report (SJR) in accordance with TE 387. The team also developed conceptual alternatives and cost estimates to support funding for a proposed signal and turn lanes at this intersection. A rail line located approximately 28 feet from the intersection's northern leg has been the site of two crashes within five years, including one involving a school bus. The location of the stop bar for the stop-controlled movement was believed to be a contributing factor. The proposed signal aims to eliminate queuing and introduce a clearance phase to improve safety prior to train arrivals.

Districtwide Potential for Safety Improvement (PSI), Staunton District: RK&K performed districtwide safety data analysis, reviewing the 2016-2020 Top 100 PSI intersections and segments. For all intersections and segments, an EPDO rate was computed. For segments, an EPDO rate over distance (measured in miles) was developed to normalize the rate over distance. The segments were grouped distance-based "bins" to isolate the impact of longer segments on rankings. Sites were then determined for detailed studies based on their placement within the rankings, and whether any existing efforts were already underway at these locations.

Districtwide SMART SCALE Support, Staunton District: RK&K supported the Staunton District with the development of SMART SCALE applications for high EPDO crash locations. These studies included data collection, traffic analysis, GIS/mapping, traffic forecasting, crash analysis, public involvement, conceptual design, cost estimating, and application support at the following locations: Route 263 at Route 614 (Shenandoah County), Route 340 from Route 619 to Route 607 (Warren County), and Route 340 at Route 684 (Page County).

Districtwide SMART SCALE Support, Salem District: RK&K is supporting the Salem District with the development of SMART SCALE applications throughout the District. These studies include data collection, traffic analysis, GIS/mapping, traffic forecasting, crash analysis, public involvement, conceptual design, cost estimating, and application support at the following locations: Route 40 at Floyd Avenue (Town of Rocky Mount), Route 58/221 at Coulson Church Road (Carroll County), and Route 24 at Bypass Road (Town of Vinton).

Route 164 Corridor Study, Cities of Chesapeake, Portsmouth, & Suffolk, VA: RK&K conducted a review of the Route 164 corridor, spanning from the interchange with Town Pointe Road to the interchange with US 58, just east of the bridge over the Western Branch of the Elizabeth River near the Midtown Tunnel portal entrance. The corridor was identified as having significant safety issues, recurring congestion during peak travel periods, and is anticipated to experience significant growth. As the region continues to grow and shipping terminals expand their capacity, Route 164 is expected to experience a substantial increase in heavy vehicle traffic. In response, the study proposed alternatives aimed at mitigating safety issues, improving traffic operations, and alleviating congestion. The study addressed existing and forecasted congestion and safety issues through improvements that will support an IAR for implementation.

Team Members Involved: Stuart Samberg, PE, PTOE, PTP, RSP, DBIA | Shreyas Bharadwaj, PE, PTOE

Firm name	RK&K	Discipline(s)*	Data Collection, Environmental, Geotech, ITS, Planning, Right-of-Way, Road, Survey, Traffic
Project name	**Multi-Modal Traffic Engineering, Operations, ITS Planning & Project Management Services**	Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	Arlington County
Project location	Arlington County, VA	Owner's Project Manager	Anup Kafle
Owner's address, phone, email	2100 Clarendon Boulevard, Suite 900, Arlington VA, 22201 | 703.228.7050 | akafle@arlingtonva.us		
Services commenced by this firm (mm/yy)	08/19	Total consultant contract cost ($1,000's)	$4,700
Services completed by this firm (mm/yy)	08/25	Cost of consultant services provided by this firm ($1,000's)	$4,700

RK&K provided multimodal transportation planning, design, and construction project management services for the roads, streets, and other Arlington County facilities on an as-needed basis for a five-year period. The following tasks were completed under this contract:

Review of Bus Stops Orientation, Mobility, & ADA Improvements: RK&K provided design reviews for proposed floating island bus stops and other innovative intersection designs to ensure the projects provided the appropriate pedestrian and bicycle improvements and access in compliance with the ADA requirements, as well as best practices described by the Public Right-of-Way Accessibility Guidelines (PROWAG).

Williamsburg Boulevard Signals: RK&K developed signal rebuild plans for three locations along Williamsburg Boulevard. The designs for the intersections involved extending the curb and pedestrian amenities to reduce the length of all pedestrian crossings for all intersections. The signal rebuilds at each location included new power service feeds, new mast arm poles, new ADA/accessible pedestrian signals equipment, and upgraded Signal Equipment and Performance for Cities advanced traffic signal controllers. RK&K also developed updated clearance intervals for the intersections with new signal timings to be implemented upon opening.

Wilson Boulevard Road Diet: RK&K led the study and design for the reduction of Wilson Boulevard from a three-lane section to a two-lane section with on-street bike lanes. The design portion included the design of bicycle signals at the intersections along Wilson Boulevard to provide additional notification and allow for all bicycle and pedestrian phases.

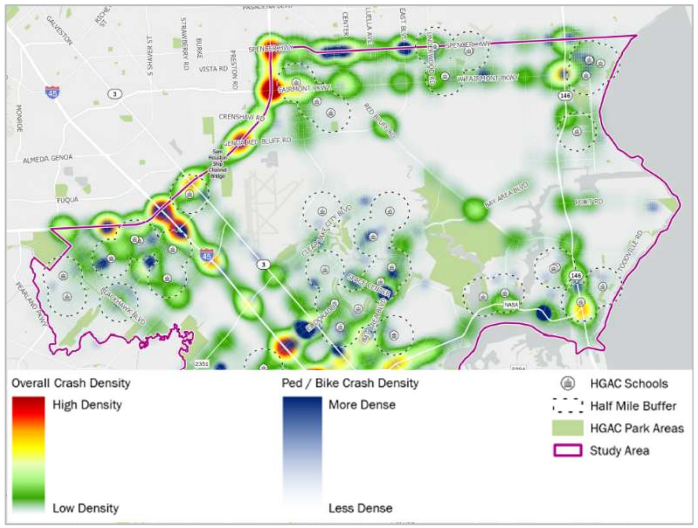
Countywide Vision Zero Action Plan: In Spring 2019, the Arlington County Commissioners adopted a resolution for the development of a Vision Zero Action Plan to eliminate all fatal and serious crashes within Arlington County. From the start, RK&K led the development and implementation of Arlington County's Vision Zero program. RK&K also developed a comprehensive Vision Zero Action Plan from scratch, which included a peer scan and interviews, research and data analysis, extensive stakeholder engagement, visioning, comment analysis, goal/objectives, performance measures, and inter-agency coordination. In May 2021, the Arlington County Board adopted the five-year Vision Zero Action Plan to work toward the goal of zero serious injuries and fatalities on the transportation system by 2030. Based on the core principles of Vision Zero, the Action Plan identified key target areas (including high-injury network corridors, intersections, pedestrians, bicycles, alcohol, distraction, speed, work zones, equity, information quality), to improve safety in each target area, and measures for tracking progress towards eliminating severe and fatal transportation injuries.

Since 2021, the RK&K team has supported the Vision Zero implementation efforts including annual transportation safety feedback, mid-year and annual reports, extensive outreach, and advertising and messaging over various platforms, including print and digital media. At the annual open house, RK&K hosted a video booth and collected transportation safety clips from attendees for fellow County travelers to use in future public safety messaging. RK&K also generated a critical crash mitigation campaign plan and materials targeting the top five safety areas of promoting bicycle, pedestrian, and left turning awareness, as well as reducing speeding and driving under the influence. RK&K also created a promotional training video for viewing by all County employees, volunteers, and contract employees which was well received and contained a message on the role each person plays in reaching Vision Zero.

Team Members Involved: Stuart Samberg, PE, PTOE, PTP, RSP, DBIA | Shreyas Bharadwaj, PE, PTOE | Tristan Jackson, AICP

Firm name	TRANSCEND engineers + planners	Discipline(s)*	Planning, Traffic
Project name	**Bay Area Bicycle & Pedestrian Safety Plan**	Firm responsibility (prime or sub?)	Sub
Project number	N/A	Owner's name	Houston -Galveston Area Council (HGAC)
Project location	Houston, TX	Owner's Project Manager	Sandy Klanfer
Owner's address, phone, email	3555 Timmons, Houston, TX 77227 | 832.681.2574 | sandy.klanfer@h-gac.com		
Services commenced by this firm (mm/yy)	07/23	Total consultant contract cost ($1,000's)	$950
Services completed by this firm (mm/yy)	06/24	Cost of consultant services provided by this firm ($1,000's)	$250

H-GAC, in partnership with Harris County Precinct 2, developed the Bay Area Bicycle and Pedestrian Safety Plan to guide the future of the communities' bicycle and pedestrian transportation network. Based on existing conditions and anticipated future needs, the study made recommendations to improve bicycle and pedestrian safety, accessibility, and connectivity in the study area–located southeast of Harris County.



The Bay Area Bicycle and Pedestrian Safety Plan serves as a roadmap for establishing both short- and long-term priorities that support non-motorized mobility across the region.

As a subconsultant, Transcend provided planning services to H-GAC by preparing a comprehensive safety analysis for the study area using five years of crash data. The Transcend team evaluated crashes with the following five focal points to identify opportunities and improve multi-modal mobility:

1. Pedestrian and Bicycle Crash Analysis
2. Area Wide Crash Analysis
3. Crash Cluster Analysis
4. Crash Analysis for Crashes on Non-Major Highways
5. Non-Intersection Related Crash Analysis

Crash data was analyzed to determine the crash density, crash rates, common crash types/manner of collisions, and opportunity areas within the Bay Area. The study area also focused on crashes near schools. Intersections with high crashes were identified and existing conditions survey of these intersections were performed to identify gaps in the infrastructure. Based on the existing conditions survey and crash analysis, improvements were recommended to improve safety and connectivity throughout the area.

Team Members Involved: Raj Basavaraju, PE, PTOE, RSP1 | Pavan Kukkundoor, PE, PTOE

Firm name	TRANSCEND engineers + planners	Discipline(s)*	Traffic
Project name	**Bus Stop Crossings**	Firm responsibility (prime or sub?)	Sub
Project number	N/A	Owner's name	Metropolitan Transit Authority (METRO)
Project location	Harris County, TX	Owner's Project Manager	Tim Mills, PE
Owner's address, phone, email	1900 Main Street, Houston, TX 77002 | 713.739.6861 | tim.mills@ridemetro.org		
Services commenced by this firm (mm/yy)	06/24	Total consultant contract cost ($1,000's)	$5,000
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$500

The mid-block crossing projects led by Houston METRO are part of broader initiatives aimed at enhancing other infrastructure upgrades such as sidewalks and ramps. BOOST 56 program is the most relevant example that Transcend assisted with as well. The goal of this initiative is to create better overall experience for pedestrians, cyclists, and transit users.

Key purpose of the evaluation includes improving pedestrian safety, increasing transit accessibility, reducing unsafe crossings to reach bus stops, optimizing pedestrian infrastructure, and supporting multimodal connectivity within METRO's operating areas.

For various bus stops identified as priority locations for safer pedestrian crossings, Transcend evaluated mid-block crossing feasibility and possible treatments to accommodate bus patrons to cross major streets for various BSIDs listed below:

- BSID 7916 - Alief Clodine Road at Tres Lagunas Drive
- BSID 10958 - Metro Boulevard at Winter Rose Way
- BSID 6573 - Woodway Drive at Memorial Drive
- BSID 516 – Wilcrest Drive at Olympia Drive
- BSID 8948 – Memorial Drive at E. Gaywood Drive

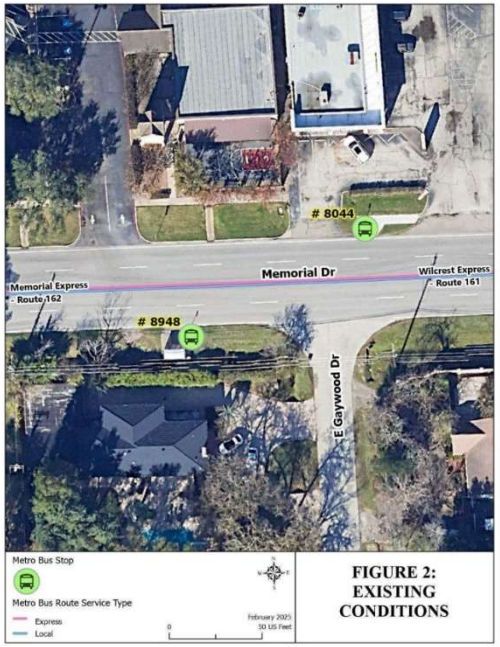


FIGURE 2: EXISTING CONDITIONS

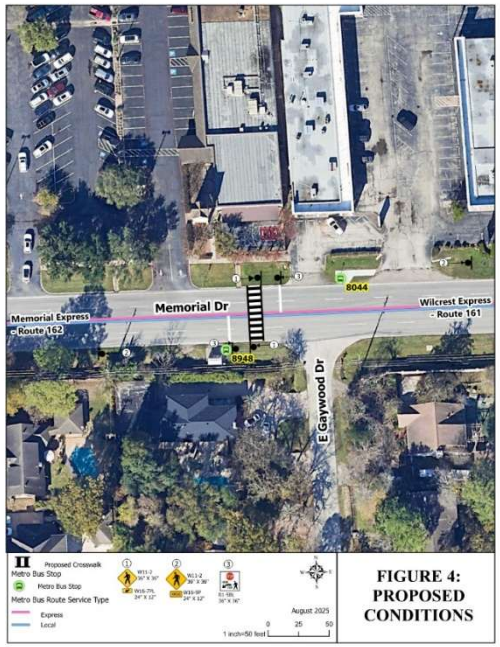


FIGURE 4: PROPOSED CONDITIONS

Table 5: Memorial Dr at E Gaywood Dr- BSID 8948- Proposed Improvements

S. No.	Proposed Treatments
1	Install white high-visibility crosswalk markings and "PED Xing" advanced pavement marking (pedestrian-only crossing).
2	Install a post-mounted W11-2 (Pedestrian) warning sign with a diagonal downward arrow (W16-7P) plaque and a Rectangular Rapid Flashing Beacon (RRFB) on the side of the roadway in advance of the crossing in both directions.
3	Install R1-5b "Stop Here for Pedestrians'' (pedestrian-only crossing) signage and a stop bar across the approach.
4	Install W11-2 pedestrian warning sign with W16-9P AHEAD (plaque) mounted on the side of the roadway in advance of the crossing

Evaluation criteria were based on pedestrian level of service (ped LOS), location characteristics, and safety considerations at the proposed crossing. Latest traffic volume and pedestrian data was obtained. The analysis was performed according to the latest TMUCTD and applicable portions of the latest City of Houston IDM.
A technical memorandum detailing the mid-block treatments was developed. Transcend team members attended coordination meetings to satisfy various stakeholder needs.

Team Members Involved: Raj Basavaraju, PE, PTOE, RSP1

Firm name	CD&C INCORPORATED	Discipline(s)*	Survey
Project name	**Verot School Road**	Firm responsibility (prime or sub?)	Sub
Project number	H.011235	Owner's name	DOTD
Project location	Lafayette, LA	Owner's Project Manager	Thomas Gattle (Huval & Associates)
Owner's address, phone, email	922 W. Point Des Mouton Road, Lafayette, LA 70507 | 337.234.3798 | tgattle@huvalassoc.com		
Services commenced by this firm (mm/yy)	08/16	Total consultant contract cost ($1,000's)	N/A
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$435

This project is located in Lafayette Parish between the Lafayette Regional Airport and Broussard, Louisiana, and involves the proposed widening of US 90/I-49 South and the realignment of Verot School Road. CD&C performed a topographic survey along the entire proposed route and developed an existing drainage map. The topographic survey included all utilities with depths, drainage, and finished floor elevations of all buildings that fell within the designated survey limits. CD&C was also responsible for coordinating with the topographic survey efforts associated with the adjacent I-49 Connector project and incorporating the required portions of that work with the survey of this project.

CD&C performed a complete topographic survey of the project site by using 3D terrestrial scanning in conjunction with traditional means to complete the survey. Control was set for the scanning throughout the project limits. CD&C coordinated with all affected property owners to obtain access to the properties and meet with safety advisors for the industrial businesses that were impacted.

The survey also included coordination with the ongoing I-49 Connector project and merging that survey to the CD&C survey to make a complete project for the area. CD&C researched and compiled existing right-of-way linework for the prime consultant to use for exhibits for the project. To complete the survey, CD&C also had to coordinate with BNSF railroad for access to BNSF's rail.

Team Members Involved: Christopher Ballard, PLS | Madison Mills, PLS | Jacob Stoehr |

Firm name	CD&C INCORPORATED	Discipline(s)*	Survey
Project name	**LA 317 - Wax Lake B**	Firm responsibility (prime or sub?)	Sub
Project number	H.014824.5	Owner's name	DOTD
Project location	St. Mary Parish, LA	Owner's Project Manager	Adam Fields (Stanley Consultants)
Owner's address, phone, email	700 Main Street, Baton Rouge, LA 70802 | 225.387.2422 | FieldsAdam@stanleygroup.com		
Services commenced by this firm (mm/yy)	12/24	Total consultant contract cost ($1,000's)	N/A
Services completed by this firm (mm/yy)	04/25	Cost of consultant services provided by this firm ($1,000's)	$162

CD&C served as a subconsultant on this project and was responsible for delivering a complete topographic survey, coordinating with utility companies to mark or provide record drawings, and preparing an existing drainage map in accordance with LADOTD Location and Survey standards.

The survey limits began 1.60 miles south of the intersection of LA 317 and US 90 and continued along US 90 for 2.3 miles north of the intersection of LA 182. The survey width extended from five feet behind the existing right-of-way to the apparent right-of-way of all crossing streams and canals, as well as 500 feet from any drainage structure.

The scope of work included a complete topographic survey. The topographic data for this survey was collected through a combination of conventional ground survey and terrestrial LiDAR data collection methods. The project was completed to LADOTD Location and Survey standards and practices.

Team Members Involved: Madison Mills, PLS | Clarence Goodspeed | Jacob Stoehr

Firm name	CD&C INCORPORATED	Discipline(s)*	Survey
Project name	**US 190 R Cuts at LA741**	Firm responsibility (prime or sub?)	Sub
Project number	H.015849	Owner's name	DOTD
Project location	St. Landry Parish, Port Barre, LA	Owner's Project Manager	Adam Fields (Stanley Consultants)
Owner's address, phone, email	700 Main Street, Baton Rouge, LA 70802 | 225.387.2422 | FieldsAdam@stanleygroup.com		
Services commenced by this firm (mm/yy)	10/24	Total consultant contract cost ($1,000's)	N/A
Services completed by this firm (mm/yy)	01/25	Cost of consultant services provided by this firm ($1,000's)	$92

CD&C served as a subconsultant on this project and was responsible for performing a complete topographic survey, utility coordination with utility companies to mark or provide record drawings, and providing an existing drainage map in accordance with LADOTD Location and Survey standards.

The survey limits began 1,700 feet west of the intersection of US 190 and LA 741 and continued west along US 190. The survey boundary extended from 10 feet north of the US 190 right-of-way line to the toe of the Union Pacific Railroad. The survey then extended north along LA 741 for 200 feet and then south from centerlines to a distance of 180 feet.

The scope of work included a complete topographic survey. The topographic data for this survey was collected through a combination of conventional ground survey and terrestrial LiDAR data collection methods. The project was completed to LADOTD Location and Survey standards and practices.

Team Members Involved: Madison Mills, PLS | Clarence Goodspeed | Jacob Stoehr

18. Approach and Methodology:

UNDERSTANDING OF SCOPE OF SERVICES

We understand that DOTD is seeking consultant support for Vulnerable Road User (VRU) Technical Assistance. We recognize that the purpose of this contract is to provide engineering, planning, and related services to improve safety and mobility for pedestrians, bicyclists, and other non-motorized road users within Louisiana.

SCOPE SUMMARY

Key elements anticipated as part of this contract include:

1. **Technical assistance for non-motorized network screening and VRU safety assessments:** Review screening methodology, results, data quality, and best practices and provide recommendations to update or develop Highway Safety Improvement Program (HSIP) VRU practices.
2. **Stage 0 feasibility studies and project development:** Identify problem locations, develop project bundles using safety screening, VRU assessments and local input, and then develop countermeasures and cost estimates; quantify safety benefits; prepare alternatives matrices and conceptual layouts; conduct public/stakeholder outreach; and perform field reviews and road safety assessments.
3. **Technical reviews:** Perform technical reviews of new and existing projects with bicycle, pedestrian, and transit-related components to ensure compliance with national, state, and local standards, including red-lining existing plans and preparing alternative sketches.
4. **Development and delivery of training:** Prepare and deliver training for engineers and planners on non-motorized user topics such as safety countermeasures, design considerations, land use and plan development, speed management, etc.
5. **Engineering studies:** Perform engineering studies for potential non-motorized facilities in accordance with DOTD guidelines.
6. **Coordination and assistance with the DOTD Complete Streets Steering Group:** Develop action plans and strategies, review performance measures, and facilitate meetings, including agendas and minutes.
7. **Review of existing Complete Streets practices:** Evaluate current initiatives, planning and feasibility processes, project development processes, design guidelines, manuals, traffic-study requirements, project selection policies, ADA compliance, public-involvement processes, and coordination with local plans.
8. **Technical assistance in updating DOTD documents, manuals, and specifications** to reflect the latest guidance and best practices.
9. **Identification of implementation barriers** within internal processes and recommendations to accelerate implementation.
10. **Development of bicycle- and pedestrian-focused planning documents** (statewide or by jurisdiction), including updating the Louisiana Bicycle Planning Tool and modeling regional demand.
11. **Quick-deploy count stations for vulnerable road users** to support studies and planning and model seasonal variation based on best practices.

We will ensure that all efforts carried out under this contract are in accordance with DOTD requirements and standards, and that all deliverables are uploaded through the DOTD ProjectWise system with the appropriate digital signatures.

OVERALL PROJECT MANAGEMENT STRATEGY

Contract & Task Order Management

The project will be delivered under an IDIQ contract. **RK&K's Contract Manager, Stuart Samberg, PE, PTOE, PTP, RSP, DBIA,** has demonstrated experience in VRU safety and active transportation planning. Stuart will provide executive oversight and ensure adherence to DOTD's ethical requirements and communication protocols. He will also serve as the single point of contact with Jessica Deville, DOTD's Project Manager, coordinate task-order execution, assemble multi-disciplinary teams for each task order, monitor budgets and schedules, and ensure compliance with DOTD's digital deliverable standards.

Upon receipt of a notice to proceed for a task order, we will promptly schedule a kick-off meeting with DOTD. This meeting will review the scope, schedule, deliverables, applicable standards, and any known risks or constraints. We will confirm the project objectives, coordinate available data, review anticipated stakeholder engagement, and finalize communication protocols. A comprehensive Project Work Plan will then be developed, including scope breakdown, schedule with milestones, resource assignment, QA/QC plan, and deliverable formats. Our management philosophy emphasizes proactive communication, early identification of risks, and clear documentation of decisions.

Team Structure & Capacity

RK&K has assembled a multi-disciplinary team capable of concurrent task orders. Our team's personnel include transportation planners, traffic engineers, roadway designers, data analysts, bicycle/pedestrian specialists, public involvement specialists, and technical writers. For each task order, we will assign a Task Leader who reports to the PM.

Quality Assurance & Quality Control (QA/QC)

To ensure high-quality deliverables, we will implement a QA/QC program aligned with DOTD's expectations. The QA/QC Manager will be independent of task-order production staff and review all submittals to confirm conformance with standards, completeness, and accuracy. Our QA/QC process includes:

- **Review checkpoints** at key deliverable milestones (e.g., draft, interim, final). Deliverables will be checked for technical accuracy, adherence to DOTD manuals (e.g., Design, Stage 0, Complete Streets), and internal consistency.
- **Documentation of comments and resolutions** using a design-review log. Resolved comments will be verified prior to final submittal.
- **Use of standardized templates and checklists** for field reviews, safety assessments, alternatives analyses, and cost estimating.

Our team will maintain compliance with DOTD's Software and Deliverable Standards, apply updates to CAD Standard Resources, and upload deliverables to ProjectWise with proper indexing and digital signatures.

Proposed Approach & Methodology

Task 1 – VRU Network Screening & Safety Assessments

1. **Data Collection & Review:** Collect and review existing VRU network screening results, crash data, and exposure measures. Evaluate data completeness, quality and relevancy, and identify gaps in coverage. Where needed, we will coordinate with DOTD's Safety Section, MPOs, and local agencies to obtain additional data sets (counts, land-use data, roadway characteristics).
2. **Methodology Evaluation:** Assess the current screening methodology, metrics, and prioritization criteria. Compare against Highway Safety Manual (HSM) guidance and national best practices for VRU safety analysis. Identify enhancements such as incorporating exposure measures, network connectivity measures, and risk to underserved populations. Provide recommendations for updating HSIP VRU practice.
3. **Analytical Tools & Models:** Utilize GIS-based tools to compute crash rates, conflict density, socio-demographic overlays, and potential for safety improvement. We will develop replicable workflows, document assumptions, and ensure transparency. Where appropriate, we will implement surrogate safety analysis or near-miss data from quick-deploy count stations.
4. **Deliverable:** A technical memorandum summarizing the findings, recommended screening methodology adjustments, data quality improvements, and priority corridors/locations for further study. Recommendations will include potential cost estimates and expected safety benefits to support subsequent Stage 0 feasibility studies.

Task 2 – Stage 0 Feasibility Studies & Project Development

1. **Problem Identification & Project Bundling:** Use results from Task 1 and stakeholder input to identify high-priority corridors and intersections. Develop project bundles (parish-wide or district-wide) by grouping locations with similar countermeasure needs.
2. **Alternatives Development:** For each location/bundle, develop a range of countermeasures (e.g., separated bike lanes, raised crosswalks, pedestrian refuge islands, speed management strategies). Prepare conceptual layouts, alternatives matrices, safety benefit estimates, preliminary quantities, and cost estimates.
3. **Field Reviews & Road Safety Assessments:** Conduct site visits with DOTD District staff and local stakeholders to validate constraints, observe traffic operations, assess ADA compliance, and document existing conditions. Field reviews will follow FHWA's Road Safety Audit process.
4. **Public & Stakeholder Outreach:** Facilitate engagement with municipal authorities, regional planning commissions, MPOs, and community organizations. We will prepare meeting agendas, presentation materials, and summaries, ensuring accessible language for non-technical audiences.
5. **Documentation:** Prepare Stage 0 feasibility reports summarizing need statements, alternatives analysis, recommended countermeasures, benefit–cost evaluations, and documentation of stakeholder involvement. Reports will include conceptual layouts and cost estimates and will serve as the basis for advancement into Stage 1 project development.

Task 3 - Technical Reviews of Projects with Bicycle/Pedestrian/Transit Components

1. **Design Plan Review:** Provide technical reviews for DOTD and locally sponsored projects to ensure compliance with national, state, and local standards. Reviewers will evaluate alignment with manuals such as AASHTO's *Guide for the Development of Bicycle Facilities*, NACTO's *Urban Bikeway Design Guide*, ADA guidelines, DOTD Complete Streets policies, and local ordinances. We will red-line existing plan sheets, annotate design exceptions, and propose alternative sketches or modifications.
2. **Safety Analysis & Engineering Study Review:** Examine engineering studies and safety analyses for adequacy of assumptions, methodology, and data sources. Provide recommendations for improving design safety and operational efficiency.

3. **Constructability & Maintenance Considerations:** Evaluate constructability, maintenance of traffic, and life-cycle maintenance concerns. We will coordinate with DOTD Districts and design consultants to ensure feasible solutions.

Task 4 – Training Development & Delivery

1. **Needs Assessment:** Conduct training needs assessment in consultation with DOTD's Planning, Design, and Traffic Engineering Sections. Identify topics such as VRU safety countermeasures, Complete Streets design, speed management, land-use integration, and plan development processes.
2. **Curriculum Development:** Develop training modules that include presentations, case studies, hands-on design exercises, and reference materials. Training will address national best practices, state policies, and emerging technologies (e.g., micromobility and connected infrastructure).
3. **Delivery:** Deliver training through workshops, webinars, and on-demand modules. Provide training materials and resources for continued learning. Collect participant feedback and evaluate the effectiveness of training sessions.

Task 5 – Limited Engineering Studies for VRU Countermeasures

We will conduct focused engineering studies to support implementation of non-motorized facilities. Work may include:

- **Conceptual and preliminary design** of facilities such as shared-use paths, protected bike lanes, pedestrian hybrid beacons, and transit-supportive designs.
- **Traffic operations and capacity analyses** to assess impacts of proposed countermeasures on vehicular flow and safety (e.g., signal timing adjustments, lane conversions).
- **Drainage/hydraulics assessments** to ensure countermeasures do not adversely affect stormwater management.
- **Right-of-way and utility assessments** and development of order-of-magnitude cost estimates.

Task 6 – Complete Streets Steering Group Support

Our team will support the DOTD **Complete Streets Steering Group** by:

- Facilitating strategy development and updating of the **Complete Streets Implementation Action Plan**.
- Reviewing existing performance measures and assisting in the development of new metrics for VRU mobility and safety.
- Preparing agendas, meeting materials, and minutes for steering group meetings.
- Coordinating with other DOTD divisions to align policies, guidelines and project delivery processes.

Task 7 – Review of Existing Complete Streets Practices

We will conduct a comprehensive review of current practices and guidance documents relevant to Complete Streets. This task includes:

- Reviewing current and past Complete Streets initiatives and legislative reports.
- Evaluating planning and feasibility processes by program, project development processes, and selection procedures for project compliance with policies and design standards.
- Reviewing current design guidelines, manuals, traffic study requirements, ADA compliance procedures, and public outreach/involvement processes.
- Documenting gaps, conflicts, and areas where guidance could be updated or consolidated.

Deliverables will include a Gap Analysis Report with recommendations for improving consistency across programs and manuals.

Task 8 – Update or Develop DOTD Documents, Manuals, & Specifications

In consultation with DOTD subject-matter experts, we will draft revisions or new sections for DOTD manuals, specifications, and standard plans. Tasks are expected to include:

- Drafting technical language for VRU safety countermeasures, design criteria, and standard details.
- Aligning documents with national best practices and recently published research.
- Circulating draft changes for review through DOTD's standard revision process and incorporating comments.
- Providing support during adoption and dissemination, including updates to training materials.

Task 9 – Identify Implementation Barriers & Recommend Process Improvements

We will map existing internal processes for planning, design, and implementation of VRU projects. Through interviews, workflow analysis, and benchmarking against peer agencies, we will identify bottlenecks or barriers within DOTD's processes. For each

barrier, we will recommend actions to accelerate implementation, such as streamlined approvals, updated templates, or enhanced coordination between units.

Task 10 – Bicycle & Pedestrian Planning & Demand Modeling

We will support the development of bicycle and pedestrian planning documents at statewide or regional levels. Activities include:

- **Updating the Louisiana Bicycle Planning Tool:** Integrate new network data, updated census, and land-use data, and improved demand modeling algorithms.
- **Regional Demand Modeling:** Develop trip-generation and route-choice models using demographic, land-use, and network characteristics. We will use techniques such as origin-destination modeling, latent demand estimation, or activity-based models where data permit.
- **Plan Development:** Create planning documents that identify priority corridors, recommended facility types, implementation phasing, cost estimates, and funding strategies.

Task 11 – Quick-Deploy Count Stations & Seasonal Demand Modeling

To improve VRU data, we will design, procure, or deploy count stations for pedestrians and bicyclists. Our approach includes:

- Developing deployment plans identifying representative sites (e.g., urban/rural, on-street/off-street) and durations. Count stations will record counts, speed, direction, and classification where possible.
- Ensuring data quality through calibration and validation against manual counts.
- Integrating count data with weather and temporal variables to model seasonal variation, enabling extrapolation from short-term counts to annual estimates.
- Incorporating results into network screening and demand models.

Unique Resources & Proprietary Technologies

Our team brings several unique resources to this contract to enhance efficiency and improve quality:

- **VRU Screening & Prioritization Tool (VRUSPT):** An in-house GIS based application that integrates crash, exposure, network, and socio demographic data. VRUSPT applies a weighted risk algorithm to identify high risk segments and intersections and produces interactive maps and charts for stakeholder communication.
- **Countermeasure Selection Matrix (CSM):** A database that links crash patterns and roadway characteristics to proven countermeasures. CSM provides crash modification factors, unit costs, and design considerations to support alternative development.
- **Complete Streets Process Audit (CSPA):** A workflow mapping tool that systematically documents current DOTD planning and design processes, identifies bottlenecks, and recommends process improvements to accelerate VRU project delivery.
- **AI Enhanced VRU Count Stations:** Portable sensors combining passive infrared detection with Bluetooth and video analytics to capture bicycle and pedestrian volumes and near miss events. Data is streamed to an analytics platform to calibrate exposure estimates and model seasonal variation. Sensors are battery powered, cellular enabled and can be deployed quickly without extensive infrastructure.

PROJECT SCHEDULE

Stage 0 Feasibility Study and/or VRU Network Screening Task	WEEK(S) 1	2	3	4	5	6	7	8	9	10	11	12
NTP												
Kick-off Meeting												
Develop Work Plan												
Data Collection & Inventory												
Methodology Review												
Network Screening												
Field Reviews												
Stakeholder Outreach												
Alternative & Countermeasure Development												
Draft Feasibility Report												
Review & Comment Resolution												
Final Report & Presentation												

19. Workload:

Firm(s) **ALL FIRMS** MUST BE REPRESENTED IN THIS TABLE	Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
Rummel, Klepper & Kahl, LLP (RK&K)	N/A	N/A	N/A	N/A
Transcend Engineers & Planners, LLC	N/A	N/A	N/A	N/A
Civil Design & Construction, Inc. (CD&C)	Survey	4400027093 / H.014041	LA 92 ROW Maps	$15,085
	Survey	4400026026 / H.016037	LA 1138-1 & LA 1138-2	$49,510
	Survey	44-29196 / H.016255.5	LA 1: WGS Riverplex RR Overp	$318,949
	Survey	44-26912 / H.0161895.5	LA 31 Sidewalks	$89,805
	Survey	44-27181 / H.015861.5	LA 4 Sidewalks Jonesboro	$8,091
	Survey	44-27181 / H.015918.5	Downtown Winnfield Sidewalks	$61,947

20. <u>Certifications/Licenses:</u>

Louisiana Professional Engineering and Land Surveying Board

The Louisiana Professional Engineering and Land Surveying Board has the following information on file:

Name:	Public Address:
Rummel, Klepper & Kahl, LLP	700 East Pratt Street, Suite 500 Baltimore, Maryland 21202-4919

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0006004	Active	06/16/2016	09/30/2026	

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Name	Type	City	Status
RUMMEL, KLEPPER & KAHL, LLP	Registered Limited Liability Partnership	BATON ROUGE	Active

Previous Names

Business: RUMMEL, KLEPPER & KAHL, LLP
Charter Number: 43094602Y
Registration Date: 6/29/2018

Domicile Address

CT CORPORATION SYSTEM
3867 PLAZA TOWER DR.
BATON ROUGE, LA 70816

Mailing Address

CT CORPORATION SYSTEM
3867 PLAZA TOWER DR.
BATON ROUGE, LA 70816

Status

Status: **Active**
Registered: 6/29/2018
Last Report Filed: N/A
Type: Registered Limited Liability Partnership

Officer(s) Additional Officers: No

Officer: MELINDA B. PETERS, PE
Title: Partner
Address 1: 700 EAST PRATT STREET
Address 2: SUITE 500
City, State, Zip: BALTIMORE, MD 21202

Officer:	MIRIAM F. KRONISCH, PE
Title:	Partner
Address 1:	12600 FAIR LAKES CIR.
Address 2:	SUITE 300
City, State, Zip:	FAIRFAX, VA 22033

Officer:	NATHAN C. ATKINSON, PE
Title:	Partner
Address 1:	700 EAST PRATT STREET
Address 2:	SUITE 500
City, State, Zip:	BALTIMORE, MD 21202

Officer:	B. KEITH SKINNER, PE
Title:	Partner
Address 1:	8601 SIX FORKS RD.
Address 2:	FORUM 1, SUITE 700
City, State, Zip:	RALEIGH, NC 27615

Officer:	PETER PATRONE
Title:	Partner
Address 1:	700 EAST PRATT STREET
Address 2:	SUITE 500
City, State, Zip:	BALTIMORE, MD 21200

Amendments on File (7)

Description	Date
Renewal	6/24/2019
Renewal	6/22/2020
Renewal	7/7/2021
Renewal	5/23/2022
Renewal	6/22/2023
Renewal	6/18/2024
Renewal	6/27/2025

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Outlook

From: LTRC Registration Website <no_reply@lsu.edu>
Sent: Tuesday, February 3, 2026 6:07 PM
To: Barry Brandt <bbrandt@rkk.com>
Subject: Registration Confirmation for Traffic Engineering Process & Report Class Series - Series 27 (April 22-23, 2026- TTEC, Baton Rouge)

Louisiana Transportation
Research Center

Thank you for submitting your student registration. Please review the below information. Feel free to keep this email for your records.

Course: Traffic Engineering Process & Report Class Series - Series 27 (April 22-23, 2026- TTEC, Baton Rouge)
Schedule Date: 04/22/2026
First Name: Barry
Last Name: Brandt
Company: RK&K
Title: Executive Director
Phone: 443-618-8735
Payment Type: card
Payment Status: completed
Payment Amount: 35.00

If you need assistance with managing your submission, please contact Layne Brown at layne.brown@la.gov .

Congratulations!
Shreyas Bharadwaj

You have completed

Traffic Engineering Analysis Process & Report Class
Modules 1, 2 &3

Date: February 1-2, 2023
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 8.50

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

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Name	Type	City	Status
TRANSCEND ENGINEERS & PLANNERS, LLC	Limited Liability Company (Non-Louisiana)	KATY	Active

Previous Names

Business: TRANSCEND ENGINEERS & PLANNERS, LLC
Charter Number: 46392253Q
Registration Date: 3/19/2025

Domicile Address

23410 GRAND RESERVE DRIVE
STE 101
KATY, TX 77494

Mailing Address

3419 NW EVANGELINE THRUWAY
STE E3
CARENCRO, LA 70520

Principal Business Office

23410 GRAND RESERVE DRIVE
STE 101
KATY, TX 77494

Registered Office in Louisiana

3419 NW EVANGELINE THRUWAY
SUITE E3
CARENCRO, LA 70520

Principal Business Establishment in Louisiana

3419 NW EVANGELINE THRUWAY
STE E3
CARENCRO, LA 70520

Status

Status:	**Active**
Annual Report Status:	**In Good Standing**
Qualified:	3/19/2025
Last Report Filed:	N/A
Type:	Limited Liability Company (Non-Louisiana)

Registered Agent(s)

Agent:	LAFAYETTE PROCESS SERVERS LLC
Address 1:	3419 NW EVANGELINE THRUWAY
Address 2:	SUITE E3
City, State, Zip:	CARENCRO, LA 70520
Appointment Date:	3/19/2025

Officer(s) Additional Officers: No

Officer:	RAJASEKHAR BASAVARAJU
Title:	Manager, Member
Address 1:	20918 VELVET WING DRIVE
City, State, Zip:	CYPRESS, TX 77433

Amendments on File

No Amendments on file

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Louisiana Professional Engineering and Land Surveying Board

The Louisiana Professional Engineering and Land Surveying Board has the following information on file:

Name:	Public Address:
Civil Design & Construction, Inc.	P. O. Box 857 Port Allen, Louisiana 70767

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
VF.0000555	Active	02/10/2006	09/30/2027	Mr. Christopher Lyle Ballard # PLS.0005033

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Name	Type	City	Status
CIVIL DESIGN & CONSTRUCTION, INC.	Business Corporation	PORT ALLEN	Active

Previous Names

Business: CIVIL DESIGN & CONSTRUCTION, INC.
Charter Number: 35961196D
Registration Date: 6/15/2005

Domicile Address

3251 SOUTHERN PACIFIC ROAD
PORT ALLEN, LA 70767

Mailing Address

P O BOX 857
PORT ALLEN, LA 70767

Principal Office Address

3251 SOUTHERN PACIFIC ROAD
PORT ALLEN, LA 70767

Status

Status: **Active**
Annual Report Status: **In Good Standing**
File Date: 6/15/2005
Last Report Filed: 5/20/2025
Type: Business Corporation

Registered Agent(s)

Agent: KARLA E. WESTON
Address 1: 7951 FALSE RIVER ROAD
City, State, Zip: NEW ROADS, LA 70760
Appointment Date: 6/15/2005

Officer(s) Additional Officers: No

Officer: KARLA E. WESTON
Title: President
Address 1: 7951 FALSE RIVER ROAD
City, State, Zip: OSCAR, LA 70762

Mergers (1)

Filed Date	Effective Date:	Type	Charter#	Charter Name	Role
10/6/2006	10/6/2006	MERGE	35961196D	CIVIL DESIGN & CONSTRUCTION, INC.	SURVIVOR
			34220123D	PAE, INC.	NON-SURVIVOR

Amendments on File (3)

Description	Date
Disclosure of Ownership	9/7/2006
Domicile, Agent Change or Resign of Agent	9/11/2006
Merger	10/6/2006

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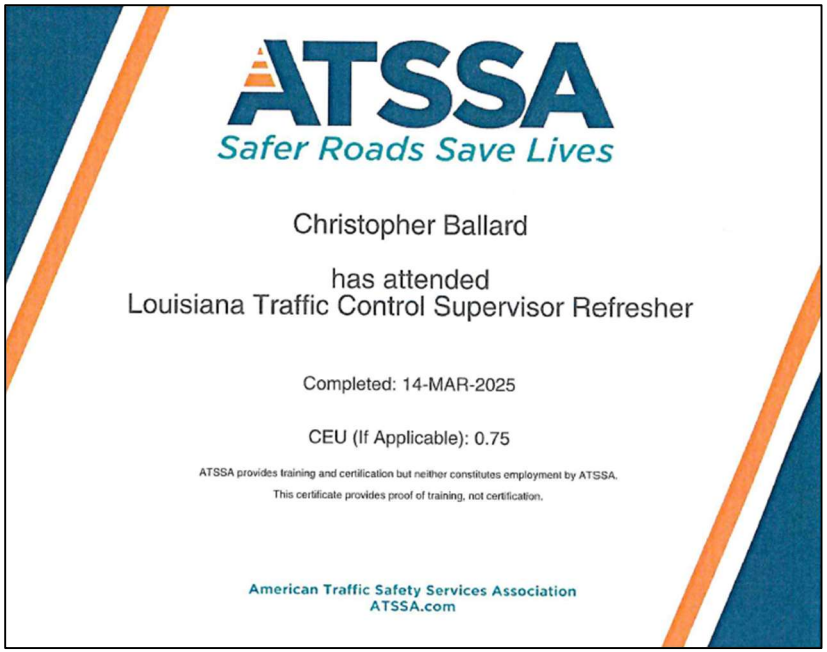
ATSSA
Safer Roads Save Lives
Christopher Ballard
has attended
Louisiana Traffic Control Supervisor Refresher
Completed: 14-MAR-2025
CEU (If Applicable): 0.75
ATSSA provides training and certification but neither constitutes employment by ATSSA.
This certificate provides proof of training, not certification.
American Traffic Safety Services Association
ATSSA.com


ATSSA TRAINED
PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT
Madison Mills
has attended
Louisiana Traffic Control Supervisor
Training Course
7/12/2023 to 7/12/2027
Training Valid Through
Vice President of Education and Technical Services
Baton Rouge, LA
Location
President, CEO
ATSSA provides training and certification but neither constitutes employment by ATSSA.
American Traffic Safety Services Association ATSSA.com


ATSSA
Safer Roads Save Lives
Jacob Stoehr
has attended
Louisiana Traffic Control Supervisor Refresher
Completed: 14-MAR-2025
CEU (If Applicable): 0.75
ATSSA provides training and certification but neither constitutes employment by ATSSA.
This certificate provides proof of training, not certification.
American Traffic Safety Services Association
ATSSA.com


ATSSA TRAINED
PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT
Clarence Goodspeed
has attended
Traffic Control Supervisor-LA State Specific
Training Course
4/27/2022 to 4/27/2026
Training Valid Through
Director of Training
Baton Rouge, LA
Location
President, CEO
ATSSA provides training and certification but neither constitutes employment by ATSSA.
This certificate provides proof of training, not certification.
American Traffic Safety Services Association ATSSA.com

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Tracey Smith
has attended
Traffic Control Technician-LA State Specific
Training Course

8/2/2022 to 8/2/2026
Training Valid Through

Director of Training

Baton Rouge, LA
Location

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.

ATSSA American Traffic Safety Services Association ATSSA.com

ATSSA Safer Roads Save Lives
American Traffic Safety Services Association

This is to affirm that

JAKE STOEHR

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Issue Date 6/2/2025
Exp. Date 6/2/2029
State Issued LA

Debbie Purcella
Instructor Name

Instructor Signature

V0000000000 Verify at Flagger.com

ATSSA SAFER ROADS SAVE LIVES
American Traffic Safety Services Association

This is to affirm that

CHRIS BALLARD

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Issue Date 2/29/2024
Exp. Date 2/29/2028
State Issued LA

Debbie Purcella
Instructor Name

Instructor Signature

V0000287042 Verify at Flagger.com

ATSSA SAFER ROADS SAVE LIVES
American Traffic Safety Services Association

This is to affirm that

MADISON MILLS

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Issue Date 8/1/2023
Exp. Date 8/1/2027
State Issued LA

Debbie Purcella
Instructor Name

Instructor Signature

V0000201560 Verify at Flagger.com

ATSSA American Traffic Safety Services Association

This is to affirm that

CJ Goodspeed

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Issue Date 3/23/2022 — ATSSA

Exp Date 3/22/2026 — *Instructor Name*

State Issued LA — *Instructor Signature*

A1000054514 — Verify at Flagger.com

ATSSA *Safer Roads Save Lives* American Traffic Safety Services Association

This is to affirm that

TRACEY SMITH

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Issue Date 4/24/2025 — **Debbie Purcella** *Instructor Name*

Exp. Date 4/24/2029 — *Instructor Signature*

State Issued LA

V0000307728 — Verify at Flagger.com

21. QA/QC Plan:

Not required at this time.

22. Sub-consultant information:

Firm Name (Name must match exactly as registered with Louisiana's Secretary of State (SOS): including punctuation, include screenshot(s) from SOS at the end of Section 20)	Address	Point of Contact and email address	Phone Number
TRANSCEND engineers + planners **Transcend Engineers & Planners, LLC**	23410 Grand Reserve Drive, Suite 101 Katy, TX 77494	**Raj Basavaraju, PE, PTOE, RSP1** raj@transcendengineers.com	832.492.4499
CD&C INCORPORATED **Civil Design & Construction, Inc. (CD&C)**	P.O. Box 857 Port Allen, LA 70767	**Karla E. Weston, PE** Kweston@cdcbr.com	225.765.1802

23. Location:

N/A

Rummel, Klepper & Kahl, LLP
565 Marriott Drive, Suite 650
Nashville, TN 37214

Contact:
Stuart Samberg, PE, PTOE, PTP, RSP, DBIA
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