

Louisiana Department of Transportation and Development

Contract No. 4400032348

IDIQ Contract for Strategic Plan for Louisiana Advanced Air Mobility
Statewide




DOTD FORM: 24-102

PROPOSAL TO PROVIDE CONSULTANT SERVICES

(Revised December 12, 2024)

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 Strategic Plan for Louisiana Advanced Air Mobility Statewide
2. Contract Number(s) as shown in the advertisement	Contract No. 4400032348
3. State Project Number(s), if shown in the advertisement	
4. Prime consultant name (name must match <u>exactly</u> as registered with the Louisiana Secretary of State (SOS) where such registration is required by law; including punctuation; <u>include screenshot from SOS at the end of Section 20</u>)	Stantec Consulting Services Inc.  Stantec
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.0003506
6. Prime consultant mailing address	1200 Brickyard Lane, Suite 400 Baton Rouge, Louisiana 70802
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	1200 Brickyard Lane, Suite 400 Baton Rouge, Louisiana 70802
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Greg Rodriguez Mobility Policy Principal (703) 485-8555 greg.rodriguez@stantec.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Mike Bruce Senior Principal (225) 765-7400 mike.bruce@stantec.com

Prime consultant should enter the firm name in the footer at the bottom of this page. (It will carry over to subsequent pages.)

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.



Signature above shall be the same person listed in Section 9:

Date: 06/13/2025

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.

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): No DBE goal set for this advertisement.
Firm(s)' %: 0%

12. Discipline Table:

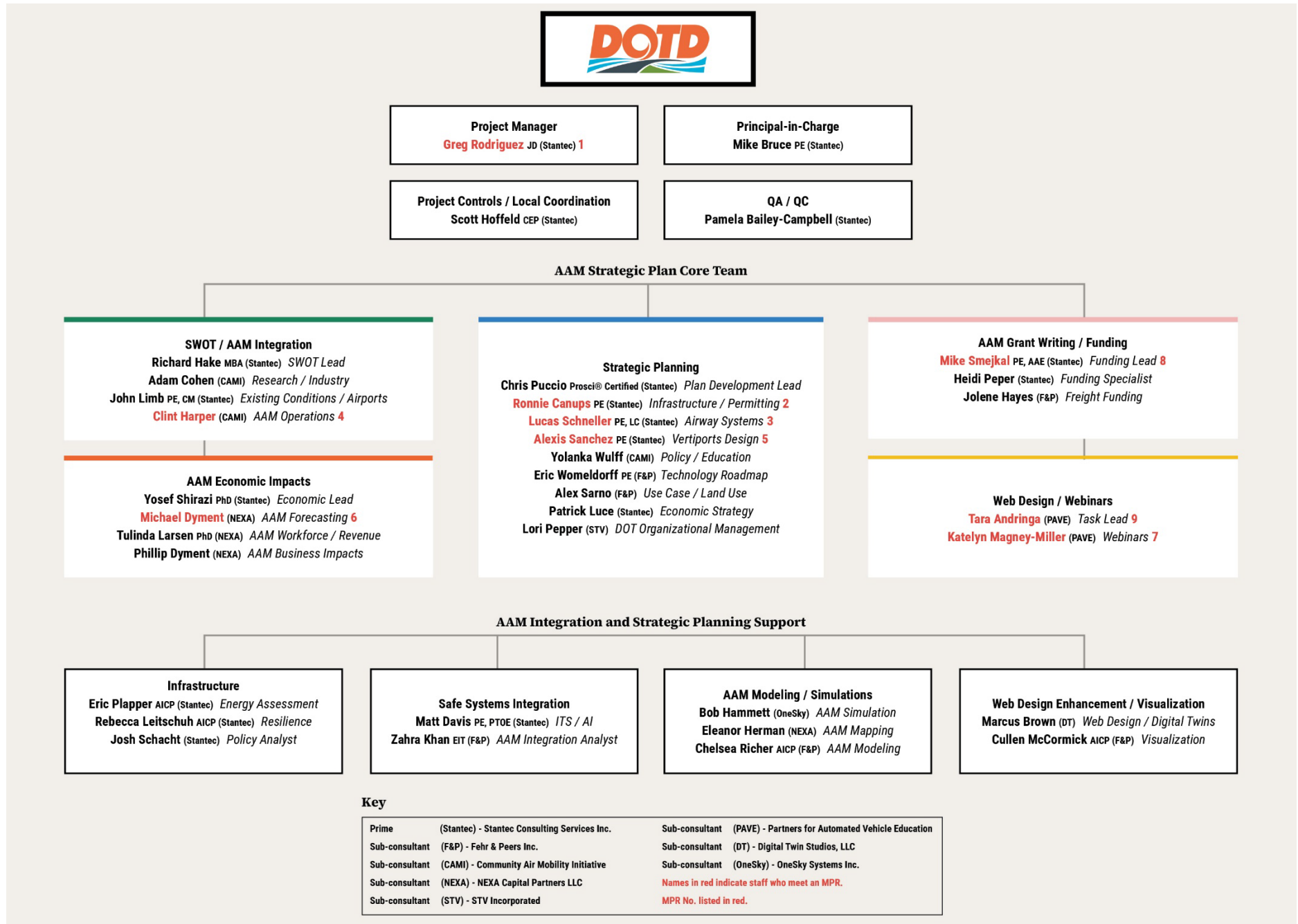
The **only** disciplines to be used are listed in the drop down in each row (Appraiser, Bridge, CE&I/OV, CPM, Data Collection, Environmental, Geotech, ITS, Other (must specify), Planning, Right-of-Way, Road, Survey, and Traffic).

Discipline(s)	% of Overall Contract	Stantec Consulting Services Inc. (Prime)	Fehr & Peers Inc.	Community Air Mobility Initiative (CAMI)	STV Incorporated	Partners for Automated Vehicle Education (PAVE)	Digital Twin Studios, LLC	NEXA Capital Partners LLC	OneSky Systems Inc.	Each Discipline must total to 100%
Planning	55	66	15	10	4				5	100%
Other (Economic Impacts)	15	25	5					70		100%
Other (Grant Writing/Funding)	5	90	10							100%
Other (Web Design/Webinars)	10	15	5	5		50	20		5	100%
Other (Policy/Regulatory)	15	42		53	5					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%	52.4	10%	14%	3.0%	5.0%	2.0%	10.5%	3.1%	100%

13. Firm Size:

Firm name	DOTD Job Classification	Number of personnel <u>committed to this contract</u>	Total number of personnel available in this DOTD Job Classification (if needed)
Stantec Consulting Services Inc.	Principal	6	6
Stantec Consulting Services Inc.	Planner	1	8
Stantec Consulting Services Inc.	Engineer	5	10
Stantec Consulting Services Inc.	Environmental Pro	1	2
Stantec Consulting Services Inc.	Economist	2	4
Stantec Consulting Services Inc.	GIS Analyst	1	4
Stantec Consulting Services Inc.	Professional	2	8
Fehr & Peers Inc.	Principal	1	2
Fehr & Peers Inc.	Economist	1	2
Fehr & Peers Inc.	GIS Analyst	1	4
Fehr & Peers Inc.	Graphics	1	2
Fehr & Peers Inc.	Planner	2	4
Community Air Mobility Initiative	Professional	3	3
STV Incorporated	Planner	1	1
Partners for Automated Vehicle Education	Other (Web/Digital)	2	2
Kheiron Immersive Training Environments LLC dba Digital Twin Studios, LLC	Technician	1	4
NEXA Capital Partners LLC	Principal	4	4
NEXA Capital Partners LLC	Professional	1	1
OneSky Systems Inc.	Professional	1	4

14. Organizational Chart:




15. Minimum Personnel Requirements:



Use the table below to identify both prime consultant and sub-consultant staff designated to work on this contract meeting the Minimum Personnel Requirements (MPRs) specified in the advertisement. Ensure the résumé reflects the required experience stated in the MPR. Make sure the P.E. discipline is also listed (highlighted in table) that is meeting the MPR; e.g. professional civil engineer should show the discipline of the license as civil if meeting that MPR.

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	Greg Rodriguez	Stantec Consulting Services Inc.	JD	CA, DC	02/01/2026 (CA) 07/01/2026 (DC)
2	Ronnie Canups	Stantec Consulting Services Inc.	PE	TN, KY	07/31/2026
3	Lucas Schneller	Stantec Consulting Services Inc.	PE, LC	AK	12/31/2025
4	Clint Harper	Community Air Mobility Initiative (CAMI)	N/A	N/A	N/A
5	Alexis Sanchez	Stantec Consulting Services Inc.	PE	NY	05/31/2028
6	Michael Dymant	NEXA Capital Partners LLC	N/A	N/A	N/A
7	Katelyn Magney-Miller	Partners for Automated Vehicle Education (PAVE)	N/A	N/A	N/A
8	Mike Smejkal	Stantec Consulting Services Inc.	PE, AAE	AZ, IL	09/30/2027 (AZ) 11/30/2025 (IL)
9	Tara Andringa	Partners for Automated Vehicle Education (PAVE)	N/A	N/A	N/A

16. Staff Experience:


Firm employed by Stantec Consulting Services Inc.					
Name	Mike Bruce, PE		Years of relevant experience with this employer		40
Title	Senior Principal		Years of relevant experience with other employer(s)		7
Degree(s) / Years / Specialization			BS / 1978 / Civil Engineering		
Active registration number / state / expiration date			PE #20397 / Louisiana / 09/30/2026		
Year registered	1983	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Mike will serve as Principal-In-Charge for this contract. He has more than 40 years of experience in the design and management of transportation related projects, including comprehensive expertise in innovative intersections, the preparation of constructions PS&E packages for roadway and bridge projects, master plan projects, and feasibility studies for transportation networks. The complexity of his transportation experience ranges from minor urban street rehabilitation, to rural highways, urban interstate construction, including geometrics for many major interstate interchanges.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
2003-Ongoing	DOTD ITS Design IDIQ Contracts, DOTD, Statewide, LA, Principal-in-Charge Mike has served as Principal-in-Charge on these retainer contracts. Oversaw all ITS efforts related to five separate ITS Design Retainers including State Projects #700-99-0304 in 2003, #700-99-0411 in 2007, #4400000679 in 2010, #4400010670 in 2017, #4400017922 in 2020, and #4400020058 in 2021.				
06/20-06/25	MoveBR Transportation Improvement Program (Fiber Deployment), City of Baton Rouge, Principal-in-Charge This IDIQ contract included 22 task orders for system engineering, design and technical support during construction. Mike served as Principal-in-Charge of Program Management team for \$1.2 Billion infrastructure capital improvement program (MoveBR).				
06/11-Ongoing	Louisiana Regional ITS Architectures, DOTD, Statewide, LA, Principal-in-Charge The Stantec team developed regional ITS architectures and ITS deployment plans for the Louisiana metropolitan areas including: Alexandria, Lake Charles, Shreveport, Monroe, Lafayette, Baton Rouge, Houma, New Orleans and Northshore. Stantec has been able to make recommendations with consensus from the stakeholder group that continues to put DOTD on a solid foundation for the deployment of ITS including novel services in the areas of shared mobility, preparing for connected vehicle deployments, a rubric to help determine for TMCs and virtual-TMCs planning design and implementation, and the impacts of other nascent technologies on operations. DOTD continues to deploy ITS based on the projects deployed in the architecture to meet the desired services of the public.				
03/18-09/18	Signal Communications Upgrade Phase 1, LADOTD H.012749, Baton Rouge, LA, Principal-in-Charge Mike oversaw this project that included the design and develop plans for providing network connectivity at 36 existing traffic signals in Baton Rouge and surrounding areas, focusing on major the arterial moving to and from Interstate 10 and Interstate 12. The deployment consisted of 10 miles of new fiber optic backbone with 20 traffic signal controller upgrades, 35 new fiber optic communication drops, and 4 wireless links.				
01/01-06/25	Principal-In-Charge of numerous multi-modal projects including Government St., LSU Gameday and LSU Paths Projects				
05/85-06/25	Principal on numerous infrastructure design projects ranging from rural roads to urban interchanges				

Staff Experience:

Firm employed by Stantec Consulting Services Inc.				 	
Name	Greg Rodriguez, JD		Years of relevant experience with this employer		5
Title	Mobility Policy Principal		Years of relevant experience with other employer(s)		18
Degree(s) / Years / Specialization		Juris Doctor / 2007 / Law BA / 2001 / International Relations			
Active registration number / state / expiration date		Bar No. 254413 / CA / 02/01/2026 Bar No. 1047903 / DC / 07/01/2026			
Year registered	2007	Discipline	N/A		
Contract role(s) / brief description of responsibilities		Greg will serve as the Project Manager for this contract. He meets the Minimum Personnel Requirements (MPRs) #1. Greg has extensive project experience navigating grey areas that come with transformational transportation technologies, including policy, regulatory, and legal considerations. He has experience supporting the implementation of new governance approaches for transportation technologies, understands the infrastructure and operational considerations that come with AAM, and has experience leading strategic planning to support future ready infrastructure. Greg prides himself on his attention to detail and ability to manage teams and design deliverables that are creative, visionary, and implementable. Being based out of Washington, D.C., the project will also benefit from Greg's ability to interact regularly on the national policy and regulatory convenings, in addition to industry engagement that is ongoing regularly around AAM. Greg will not be providing legal services as part of this contract, nor should anything in this proposal be interpreted as offering such services.			
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
05/22-11/23	NCHRP Project 20-123(12) National Academy of Sciences Washington, D.C. Research and Technical Lead Research and technical lead for <i>development of strategic plan and supporting research roadmap</i> for AASHTO joint subcommittee on System Mobility and Emerging Technologies. Scope of work included literature review, survey development, stakeholder engagement, and development of strategies to support focus on system performance and operations within context of integration of emerging transportation technologies from state DOT perspective.				
05/23-05/25	Louisiana Department of Transportation and Development CAV Working Group Statewide Baton Rouge, LA Project Lead Led coordination of connected and automated vehicles working group for Louisiana DOTD. Tasks included planning and facilitating in-person quarterly meeting facilitation; development of programming for quarterly meeting, including identification of national speakers and group discussion topics; information gathering and dissemination around key national developments for CAVs; and managing steering committee. <i>Final deliverables include organizing and implementing first-ever CAV Innovation Day on LADOTD campus and developing a CAV Roadmap to support existing CAV Strategic Plan.</i>				
05/21-06/22	Connected and Automated Vehicle Policy, Regulatory, and Legal Analysis New England Transportation Consortium Augusta, ME Principal Investigator and Project Manager Project and research lead for <i>analysis focused on development of regulatory framework for operation of connected and automated vehicles across state lines</i> in the New England region. Project included literature and regulatory review, recommendations development,				


	report development, and strategy for dissemination of findings from project. Final deliverables also include draft memorandum of understanding to support continued collaboration between states.
09/21-06/22	Self-Driving Vehicle Public Survey Strategy and Implementation Maryland State Highway Administration Hanover, MD Principal in Charge Managed team that <i>developed a strategy for a public survey focused on acceptance of self-driving vehicles across various modes and use cases</i> . Project led to <i>development and dissemination of survey across state with focus on outreach and education around automated vehicles and potential impacts to transportation system</i> . Findings and analysis from survey inform Maryland State Highway Administration strategy and planning around self-driving vehicles.
01/20-11/20	Automated Vehicle Testing Permit and Guidance Vermont Agency of Transportation State of Vermont Project Manager <i>Strategic analysis and guidance for finalization of automated vehicle testing permit and accompanying guidance</i> . Project work included review and analysis of draft permit and guidance, assistance reviewing and responding to stakeholder comments during public review process, and support around finalization and approval. <i>Also led development and implementation of virtual Vermont AV-Xchange Forum</i> .
05/23-09/24	Smart Streets Design Project City of Buffalo Buffalo, NY Policy + Report Development Lead <i>Led policy and governance analysis, and report development for a “smart streets” strategy and design for City</i> . Tasks included review and analysis of relevant policies focused on mobility and infrastructure, workshop facilitation, and development of policy approaches to support implementation, including consideration of organizational structure. Also, supported the development of innovation focused pilot projects and identification of private sector partners. Oversaw final report development and delivery.
06/20-09/21	Next Generation Infrastructure Study City of Centennial Centennial, CO Policy + Report Development Lead <i>Led mobility and policy analysis merging innovation with future ready infrastructure</i> . Role included completion of trends analysis summary report, advising on pilot projects, and supporting final recommendations focused on city wide development of smart city initiatives focused on mobility and infrastructure. Oversaw final report development and delivery, and supported knowledge transfer after completion of project.
01/20-10/20	NCHRP Project 20-113F Washington, D.C. Principal Research Manager and Project Manager Principal Research Manager on <i>development of nine topical papers in support of the Forum on Preparing for Automated Vehicles</i> and Shared Mobility. Role included managing research and analysis for all nine papers, advising on recommendations for future research, and serving as author of topical paper on data issues associated with automated vehicles and shared mobility.
9/19-12/19	SAE Mobility Data Collaborative SAE International Washington, DC Project Manager and Technical Lead <i>Served as technical lead on the development of Guidelines for Mobility Data Sharing and Governance and Contracting</i> . Role included facilitation of cross sector members of collaborative, including public, private, and academic sector. Assisted with outreach and presentations on the Guidelines published. Guidelines addressed complicated and evolving issues around data sharing and governance, including privacy, licensing, consumer trust.

Staff Experience:


Firm employed by Stantec Consulting Services Inc.					
Name	Scott Hoffeld, CEP		Years of relevant experience with this employer	5	
Title	Senior Associate, Senior Project Manager		Years of relevant experience with other employer(s)	26	
Degree(s) / Years / Specialization			MS / 1994 / Resource Management and Administration BA / 1989 / Economics		
Active registration number / state / expiration date			N/A		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Scott will serve as Project Controls / Local Coordination for this contract. Scott brings more than 31 years of planning and NEPA compliance/analysis, public/agency outreach and participation, and economic impact analysis experience for transportation and other public works projects. Scott is well-versed in environmental and socioeconomic impact and planning methods, including environmental justice evaluations, industrial siting studies, cumulative impact analyses, solid waste management, needs and alternatives analyses, public outreach and involvement programs, public relations, permitting, transportation benefits, and benefit to cost evaluation. His experience includes NEPA projects for LADOTD, TXDOT, AHTD, GDOT, NCDOT, TDOT, USACE, USHUD, FEMA, USDOD, FTA and FAA. Scott is an ABCEP Certified Environmental Professional (CEP) and serves as a national certification review board member.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
01/25-03/25	IDIQ Critical Projects, Washington Street Exit Ramp Closure, DOTD Task Order Manager for outreach and involvement effort related to the closure of the eastbound I-10 exit ramp at Washington. Scott coordinated a fast-tracked task-order proposal and negotiation and coordinated a team outreach effort to identify local concerns related to temporary and permanent traffic disruption and travel realignment. A summary of the survey effort was provided to DOTD for use in the action.				
07/15-Ongoing	I-49 Lafayette Connector, DOTD, Lafayette, LA, Assistant Program Manager and Prime Env. Program Lead Scott is assisting with the program management task, including overseeing staff and agency coordination, schedule maintenance/adherence, contracting, invoicing, and other. As the program prime’s Environmental SME, Scott coordinates closely with the LCP task and firm leads on Environmental SEIS tasks/deliverables content, quality and schedule. Scott’s work also includes the close coordination of LCP strategy to comply with evolving NEPA expectations based on FHWA and FAA concerns; as well as strategizing to expedite delivery of the project through various NEPA compliance and construction phasing options. Work will ultimately involve LCP coordination of a DOTD Joint Use Agreement with the Lafayette Consolidated Government for under-structure use of viaduct’s rights of way.				
01/20-Ongoing	MoveBR Tax-Funded Roadway Enhancement Program, City of Baton Rouge, LA Enhancement Program NEPA/Environmental SME/QC-Lead and Project Manager for College Drive, Plank-Nicholson Bus Rapid Transit, and Plank Road Segment 2 Enhancement projects. Responsibilities included pre-design and design-phase scope and negotiations; schedule, budget, QA/QC management/adherence; permitting, outreach, and overall project delivery from concept through construction.				
01/03-07/08	I-69 EIS, SIU NO.14, LADOTD/AHTD, Shreveport, LA and El Dorado, AR Deputy Project Manager and primary author for section of independent utility number 14, spanning between Shreveport, LA and El Dorado, AR through a rural timber and poultry farming area. The study area is studded with historic properties and oil wells among				

	parcels of the Kisatchie National Forest properties, the Bodcau Wildlife Management Area, and the Bodcau Reservoir Recreational Area. Bayou Dorcheat, a Louisiana scenic stream, must be crossed with a new structure that must be designed and ameliorated to avoid and minimize adverse effects to Bayou Dorcheat's scenic uses. DEIS received EPA "No Objection."
04/10-10/14	EA for Chef Menteur Bridge and Approaches Replacement – With Fonsi, Orleans Parish, LA, DOTD Project manager for a high-priority bridge replacement EA and Line and Grade Study, responsible for coordination and technical assessment of key issues. Both movable and fixed-span designs are under consideration along three alignments in an area of notable environmental and design challenges. Built in 1930, the existing US 90 swing-span bridge over Chef Menteur Pass has two 10-foot lanes, no shoulders and a bridge sufficiency rating of 37. Environmental constraints include the abutting Venetian Isles subdivision, Fort Macomb structure and state parkland, terrestrial and submerged archaeological sites, and the Bayou Sauvage National Wildlife Refuge. Intensive public and agency outreach and involvement was initiated along with computerized renderings of postconstruction views to be used in the effort.
09/06-11/06	Benefit-to-Cost Analysis of DOTD Port Priority Construction Program for Finger Pier at Globalplex, Port of South Louisiana, Reserve, LA Transportation Economist for several projects for the Port of South Louisiana for a proposed finger pier. The proposed finger pier would allow a fuller utilization of equipment and increase the capacity of the Globalplex Terminal operations. The \$12.6 million project was noted as being on the list of projects to receive funds. Revenues of approximately \$1.7 million per year were projected and insured the required 3.7 percent internal return on DOTD's \$9 million investment.
12/01-01/03	Feasibility Study for LA-3235 Extension, DOTD, Lafourche Parish, LA Project Transportation Economist and Environmental Planning Coordinator to evaluate alternatives to connect LA to relocated US-90. Feasibility considered freight movement, connectivity, daily travel, and other purposes for the project in addition to hurricane evacuation effectiveness. MicroBENCOST was used in evaluation, which is a computer application of the AASHTO's "Red Book" user benefit methodology (User Manual on Bus Transit and Highway Improvements (AASHTO, 1977). Special adaptation of railroad delay used as surrogate for movable bridge delay in MicroBENCOST travel time calculations.
09/12-06/15	I-210 at Nelson Road Interchange Improvements, Lake Charles, LA, NEPA Project Manager Worked with the ABMB team during this project. He served as NEPA Project Manager for this aggressive seven-month NTP to FONSI, high-profile interstate interchange improvement project in Lake Charles, Louisiana. Project need is related to a new casino special traffic generator. Expedited work included completion of outreach, field work, and analysis of six build alternatives within six weeks of the NTP. Special NEPA documentation and review protocols were proposed by ARCADIS and approved by LADOTD and FHWA, enabling environmental streamlining and reduction of schedule by over 55 percent.


Staff Experience:

Firm employed by Stantec Consulting Services Inc.					
Name	Pamela Bailey-Campbell		Years of relevant experience with this employer		6
Title	Senior Principal, Transportation		Years of relevant experience with other employer(s)		29
Degree(s) / Years / Specialization		MBA / 1990 / Business Administration; BS / 1977 / Biology			
Active registration number / state / expiration date		N/A			
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities		Pamela will serve as QA/QC Lead for this contract. Pamela is a nationally recognized leader with 35 years of experience in providing public and private sector clients with executive-level advisory services. Her experience as a public-sector executive, strategic advisor and infrastructure executive enables her to leverage first-hand lessons learned to create solutions to overcome the constraints and issues that all complex projects/programs face.			
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
10/22-Present	Hamilton County, The Banks Riverfront Garage Smart Parking Project, Cincinnati, OH, Senior Advisor, Technology/Procurement Lead, QA/QC Developing Systems Engineering Analysis, technical requirements and all procurement documents along with procurement support for a smart parking system for the Cincinnati Riverfront Garage. Provided QA/QC for deliverables developed by others.				
8/22-Present	Jacksonville Transportation Authority Ultimate Urban Circulator CAV Program Bay Street Innovation (BSIC), Florida, Stantec Project Manager Leading the Stantec team providing system engineering services for this progressive design-build, operate, maintain project led by Balfour Beatty. The BSIC project integrates innovation and emerging technologies including developing and deploying an automated vehicle (AV) system for transit service to downtown Jacksonville; a fully integrated ITS and AV system with advanced sensors and technologies for big data analytics. Work includes finalizing a full range of System Engineering documents and all of Requirements as well as a detailed safety assessment of the ODD for the AVs Provided QA/QC for deliverables developed by others.				
2/21-Present	Regional Transportation Commission of Southern Nevada Las Vegas Medical District Automated Circulator and Connected Pedestrian Safety Program (GoMed), Deputy Project Manager GoMed is an advanced mobility program including planning and implementation for the seamless integration of four electric and autonomous shuttles, connected technologies including pedestrian detection, traffic and data management, and analytics platform. Work included analysis regarding the charging requirements including what would be needed at the overnight storage vs. in route charging. Provided QA/QC for deliverables developed by others.				
5/21-5/23	Midlands Expressway Ltd, Toll System Design Service Partner, Technology Requirements/Contracting Strategy Lead, QA/QC Two-year transformational program to refurbish the existing tolling system deployed on the M6toll, the UK’s only tolled motorway including the procurement, selection and appointment of software, systems and equipment providers to implement both new roadside and back-office tolling solutions. Provided QA/QC for deliverables developed by others.				
2/19-12/24	Ohio Turnpike & Infrastructure Commission, Toll System Services. Senior Advisor Technology/ Procurement, QA/QC Supported development of the technical proposal requirements for a comprehensive replacement and expansion of the Ohio Turnpike toll collection system. Also completed development of the business rules, procurement requirements, and contract for an unpaid toll processing procurement. Prior to the current contract, provided advisory services for system-wide study for the development of a strategic plan that would guide the future deployment and the integration of a toll collection system. Provided QA/QC for deliverables developed by others.				

Staff Experience:


Firm employed by Stantec Consulting Services Inc.					
Name	Richard Hake, MBA		Years of relevant experience with this employer		9
Title	Technology Consulting Practice Lead		Years of relevant experience with other employer(s)		5
Degree(s) / Years / Specialization		Professional Education / 2023 / Massachusetts Institute of Technology (MIT): <i>Breakthrough Innovation: Creating Value in Times of Uncertainty</i> MBA / 2014 / Business Administration BS / 2011 / Actuarial Science			
Active registration number / state / expiration date		N/A			
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities		Richard will serve as SWOT / AAM Integration – SWOT Analysis and Technology Integration Lead for this contract. With a background in organizational consulting, project management, and data analytics, he leverages data-driven insights to make informed decisions and drive improvements. Implementing data management strategies and utilizing advanced analytics tools positions him to provide valuable insights that can enhance operations. His commitment to modernizing and optimizing technology ecosystems ensures data is harnessed effectively to address challenges and opportunities.			
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
03/23 – Present	GPC Drone Program, Southern Company, Atlanta, GA, Project Manager Richard led the enterprise rollout of Georgia Power Company’s drone program, establishing a scalable, compliant framework for integrating autonomous Skydio drones into capital project delivery. His team connected aerial data workflows with Oracle Unifier and Trimble Propeller, enabling real-time construction insights to flow into GPC’s document control systems and Power BI dashboards. In addition to the technical buildout, Richard guided the organizational change needed to adopt drone operations at scale—aligning field teams, IT, and compliance stakeholders.				
06/23 – Present	Artificial Intelligence (AI)-Based Decision Support System, Tennessee DOT, Nashville, TN, Data Analytics Lead Developed a sophisticated analytics framework to evaluate the impact of AI-based decision support systems and integrated corridor management technologies. Efforts advanced the project’s goals of enhancing mobility, safety, and environmental sustainability, and also set a new standard for data-driven decision-making within TDOT. By crafting intuitive, actionable insights from complex data sets, Richard facilitated effective stakeholder engagement and informed strategic improvements across TN’s transportation infrastructure.				
01/19 – Present	AI-Driven Outreach & Engagement Platform for TVA, Chattanooga, TN Richard led the design and deployment of CommunityHQ, an AI-powered engagement and decision-support platform for the Tennessee Valley Authority—demonstrating the kind of enterprise-scale system integration and stakeholder alignment critical to advanced air mobility. He implemented a custom Retrieval-Augmented Generation (RAG) architecture enabling natural language queries across TVA’s structured and unstructured datasets, including public comments, stakeholder records, and financial data. Built on Microsoft Azure, the solution delivered real-time dashboards, KPI tracking, and conversational AI interfaces to accelerate decision-making and improve public transparency. Richard’s leadership in building secure data pipelines, aligning multi-disciplinary teams, and applying AI to regulated infrastructure positions him as a strong candidate to lead technology implementation for AAM programs.				

Staff Experience:

Firm employed by Community Air Mobility Initiative (CAMI)					
Name	Adam Cohen		Years of relevant experience with this employer		5
Title	CAMI Consulting Partner, Expert Contributor		Years of relevant experience with other employer(s)		21
Degree(s) / Years / Specialization			Masters / 2008 / City and Regional Planning (Innovative Mobility, Sustainable Transportation, Public Policy)		
Active registration number / state / expiration date			N/A		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Adam will serve as SWOT / AAM Integration – Research/Industry Specialist for this contract. He is an internationally recognized expert in innovative and emerging transportation technologies. He has completed more than 40 research projects on advanced air mobility (AAM), urban air mobility (UAM), mobility on demand, mobility as a service, shared mobility, and automated vehicles. He has more than 18 years of experience as a researcher with the Transportation Sustainability Research Center at the University of California, Berkeley, and 14 years of experience as a researcher for the Mineta Transportation Institute at San Jose State University. Adam has co-authored numerous studies on AAM and more than a dozen guidebooks on mobility and automated vehicles for the US Department Transportation (USDOT), the American Planning Association (APA), and National Cooperative Highway Research Program (NCHRP). Adam has co-authored two USDOT primers on innovative mobility for the Federal Highway Administration (FHWA): a primer on Shared Mobility and Transportation Equity and the Mobility on Demand Operational Concept. Adam serves as an Expert Contributor and Board Member for CAMI.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
03/20 - Present	CAMI Consulting Partnership				
07/24 – Present	San Francisco International Airport (SFO) Scenario Planning, UC Berkeley Adam is managing a scenario planning effort at San Francisco International Airport (SFO) to explore the potential impacts of Advanced Air Mobility (AAM) over the next 15 years. The project involves developing plausible future scenarios based on key uncertainties—such as economic conditions, regulatory shifts, technological advancements, and social acceptance—and assessing their implications for airport operations, regional mobility, and community priorities. The work supports strategic planning by identifying risks, opportunities, and policy levers to guide SFO’s response to emerging aviation technologies. (ongoing)				
06/21- Present	Airport Systems Planning and Design Short Course, UC Berkeley Adam co-teaches a professional development short course on Airport Systems and Design at UC Berkeley. The course provides transportation professionals with a comprehensive overview of airport planning, operations, and design, covering topics such as airside and landside systems, capacity analysis, emerging technologies, and sustainability. The program blends technical instruction with real-world case studies to support practical, forward-looking decision-making in airport management and development. (ongoing)				


10/20 – Present	<p>Urban Air Policy Collaborative, Community Air Mobility Initiative</p> <p>Develop curriculum modules for 20-hour online AAM course for state, regional, local and tribal and airport agency staff and decisionmakers. Topics include planning, equity, multimodal integration, community engagement, economic benefits, legal and policy and others. Provide expert education on various topics and organize and moderate the cohorts. Also organize and run single topic webinars for broader audience. (ongoing)</p>
08/24 – 05/25	<p>WSDOT AAM Aircraft Plan, Community Air Mobility Initiative</p> <p>As subcontractor to this contract with Washington Department of Transportation Aviation Division, authored literature and state transportation plan review, economic benefits section, and provided strategy and policy guidance and recommendations for the plan.</p>
06/23 – 09/24	<p>Caltrans Advanced Air Mobility Infrastructure Readiness Study and Workplan, Community Air Mobility Initiative</p> <p>As subcontractor to this contract with California Department of Transportation, edited literature review, authored section on social equity, and provided strategy and policy guidance and recommendations for the plan.</p>
01/22 – 03/24	<p>American Planning Association Planning Advisory Service 606 – Planning for Advanced Air Mobility, Community Air Mobility Initiative</p> <p>Lead author of this first-of-its-kind guidebook for planners and public agencies on various opportunities, challenges, and strategies in planning for AAM deployment. Topics include industry introduction and background, operations, community impacts, community acceptance, social equity, infrastructure, multimodal integration, and policy and planning considerations.</p>
04/22 – 11/23	<p>Airport Cooperative Research Program Report 261 – Advanced Air Mobility and Community Outreach: A Primer for Successful Stakeholder Engagement, Community Air Mobility Initiative</p> <p>Co-author of AAM primer and toolkit for local jurisdictions and airports. Includes resources, strategies and policies for AAM engagement, and a toolkit that includes a presentation deck, stakeholder assessment, and communication planner.</p>
10/21 – 6/23	<p>Guidance on Risks Related to Emerging and Disruptive Transportation Technologies, Independent Consultant</p> <p>Co-authored a guide to help state and local transportation agencies identify and respond to risks posed by emerging mobility technologies—including Advanced Air Mobility, CAVs, EVs, and Mobility on Demand/Mobility-as-a-Service. This work focuses on developing a risk register, recommending prioritization methods, and identifying policy strategies to address both public and agency-facing risks for AAM.</p>
03/21 – 03/22	<p>NASA Advanced Air Mobility: Community Integration Considerations Playbook, Community Air Mobility Initiative</p> <p>Organized and led a series of workshops and focus groups with state and local aviation agencies resulting in a collaborative playbook on AAM policies and practices.</p>

Staff Experience:

Firm employed by Stantec Consulting Services Inc.					
Name	John Limb, PE, CM		Years of relevant experience with this employer		24
Title	Principal, Practice Leader - Aviation		Years of relevant experience with other employer(s)		3
Degree(s) / Years / Specialization			BS / 2000 / Civil Engineering		
Active registration number / state / expiration date			AELC 11243 / AK / 2025 #139635 / TX / 2025		
Year registered	2005 (AK) 2020 (TX)	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			John will serve as SWOT / AAM Integration – Existing Conditions and Inventory / Airport Construction specialist for this contract. Along with being Stantec’s Aviation Practice Lead in Texas, John is a seasoned senior project manager, specializing in the planning, design and execution of aviation projects. He is experienced in planning/design, design reviews, construction, and construction administration, including materials testing, inspection, and close out. John has completed 100+ projects at 58 airports throughout the largest region of the US, the State of Alaska and the Pacific Northwest. He is a cradle-to-grave engineer, with significant construction and site utility experience that enhances the quality of his designs. John has a thorough understanding of airport and airfield issues, airport operations, air cargo, FAA standards, Part 139, NAVAIDs, turning movements, safety areas, and security perimeters. He also became a Certified Member with the American Association of Airport Executives (AAE) in 2021.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
10/19-01/21	Houston Airports System - Infrastructure Division Extension of Staff (Houston, Texas)– managed FAR Part 139 airfield pavement design and construction projects for George Bush Intercontinental (IAH), Hobby (HOU), and Ellington Field (EFD). John was responsible for conducting conditions assessments for airfield pavements, working with the HAS Planning Team to prepare projects for design, design management, coordination with FAA lines of business, construction safety and phasing plan review and implementation,				
2/20-01/21	Houston Airports System - IAH Terminal A Sanitary Sewer (Houston, Texas) – John construction managed as an owner’s representative for the construction of over 6,000 feet of microtunneled sewer line beneath the west airfield complex of IAH. This included implementation of a Construction Safety and Phasing Plan and active coordination with FAA and IAH Airside Operations to mitigate construction impacts to airfield operations.				
10/19-01/21	Houston Airports System – HOU RW 17-35 Demolition (Houston, Texas) – John managed the design of the demolition of RW 17-35 at HOU as the owner’s representative. This included design reviews, coordination with HOU stakeholders, FAA reimbursable agreements, environmental assessment review and FAA legal reviews, and organizing and participating in the Safety Risk Mitigation (SRM) meeting with the FAA lines of business for the Construction Safety and Phasing Plan, and bidding services.				
06/22 - Current	Federal Aviation Administration – Ted Stevens Anchorage International (ANC) Air Traffic Control Tower and Terminal Radar Control Facility (Anchorage, Alaska) – civil engineer of record for civil design of pavements, grading, drainage, and utilities for the project site for the new ATCT/TRACON. Project also including routing of 12 miles of fiber optic transmission system (FOTS) to FAA owned radars and communication outlets on the ANC airfield. John prepared a Construction Safety and Phasing Plan which impacted every runway at ANC, and many taxiways. The project is current being bid and John will provide design support during construction.				


09/2021 – 06/22	Arizona Department of Transportation - Grand Canyon National Park Airport (GCN) Drainage Improvements (Tusayan, Arizona)– John was construction manager for the construction of new drainage structures in the airfield and correct ditching with the runway safety area. John implemented the Construction Safety and Phasing Plan and was a Subject Matter Expert during the FAA led Safety Risk Mitigation meeting held prior to CSPP implementation and construction start. In addition to manage contractor activities on the airfield.
01/22 – 12/24	Houston Airport System – IAH International Terminal Redevelopment Program (Houston, Texas) – John was a senior project manager on the IAH ITRP program responsible for airside construction coordination with IAH Airside Operations. The ITRP program included 3 projects, a new Terminal D Pier, a new International Central Processor, and Enabling Landside Utilities (EUL) which included 6,000 feet of 16-30inch waterline, a new water treatment plant, two 1.5MG water tanks, and a 1500-foot-deep drinking water well. John managed construction activities on the IAH airside which included Construction Safety and Phasing Plan implementation, coordination with FAA Tower, United Airlines (UAL) Ramp Tower, UAL Move Team, and IAH Airside Operations to ensure Terminal D Pier gate apron construction activities and taxiway lighting upgrades did not adversely impact airport operations. He also provided inspections on the EUL construction project and coordination with impacted airport landside stakeholders.
01/16 – 12/18	Ted Stevens Anchorage International Airport (ANC)/Alaska Department of Transportation and Public Facilities, Central Regions – ANC Gates B1, B3, and B5 Apron Rehabilitation (Anchorage, Alaska) - John was the project manager for Stantec to design the replacement of Portland Cement Aprons at Gates B1, B3, B5 at Ted Stevens Anchorage International Airport. Due to the high usage of gates during the summer months, work had to be phased to start in early spring for demolition and only one gate could be completed a season. Working with the Contractor, John was able to work with the airport to allow the contractor to complete the last two gates all at once and on time to complete the project a year early. Work included demo and reconstruction of PCC pavement, fuel hydrant adjustments, storm drain cured in place pipe lining, water line pipe bursting, and new pavement markings.
10/13-12/15	Juneau International Airport (JNU) - Runway 8-24 Rehabilitation (Juneau, Alaska) – John was the project manager for the runway resurfacing project which included milling and resurfacing Juneau’s 8,857-foot asphalt runway with a new 5-inches of polymer-stabilized asphalt. Also included construction of a new fish passage culvert under the runway, extension of Taxiway H with a fish passage culvert as well, preparation of TW A as a temporary runway, construction, and relocation of helipads for JNU busy helicopter flightseeing operation. John performed pavement inspection of the existing runway, provided rehabilitation recommendations, and led design efforts of project tasks to prepare the airport for the runway work. John also was involved in the development of the project’s Construction Safety and Phasing Plan and participated in the FAA’s Safety Risk Mitigation meeting associated with the plan. John managed construction administration at the airport for this project and close out documents on the grant.

Staff Experience:



Firm employed by Stantec Consulting Services Inc.					
Name	Matt Davis, PE, PTOE		Years of relevant experience with this employer	15	
Title	ITS Practice Lead		Years of relevant experience with other employer(s)	0	
Degree(s) / Years / Specialization			BS / 2009 / Civil Engineering		
Active registration number / state / expiration date			PE #38947 / Louisiana / 09/30/2026		
Year registered	2014	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Matt will serve as SWOT / AAM Integration – Intelligent Transportation Systems (ITS) / Artificial Intelligence (AI) specialist for this contract. Matt has supported the planning and delivery of critical DOTD projects throughout the state for 15 years. He brings subject matter expertise in the strategic implementation of emerging technologies having delivered several “firsts” for DOTD including ramp metering and queue warning systems.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
07/23-05/25	DOTD CAV Working Group Stantec led a Working Group across all DOTD divisions to identify connected automated vehicle (CAV) impacts and opportunities, track industry trends, determine policy needs, and direct DOTD's priorities around the impacts of CAVs. Matt served as a Technical Resource that provided education and facilitates discussion within the Working Group through the sharing of relevant news articles, sharing of industry trends, and facilitation of discussion panels with industry vendors from the CV and AV industries. Matt also supported research efforts within the program for relevant grant opportunities and CAV policies of interest to DOTD.				
02/21-12/24	AI-Based Decision Support System USDOT awarded TDOT a grant to revolutionize integrated corridor management (ICM) decision support software (DSS). The project replaces the traditional traffic simulation model to provide decision support with artificial intelligence (AI), creating a transportable concept not tied to a specific corridor or location. Matt was responsible for managing this unique and innovative project, which includes extensive coordination with TDOT, SwRI, Vanderbilt, Contractors, ICM Staff, Transit Agencies, and Municipalities. He was responsible for developing and submitting quarterly reports and annual budget reviews to FHWA and annual reports to the USDOT secretary. Matt oversaw the development of the Concept of Operations, System Requirements, and overall Systems Engineering Analysis for the project. Furthermore, Matt was responsible for coordinating and overseeing the project evaluation and data management conducted by the Stantec team. He also oversaw the software testing and implementation for both the upgrades to the SwRI-developed ATMS and the Vanderbilt-developed AI-DSS. Additionally, Matt worked as TDOT's representative to ensure full integration of LCS, VSL, RDS, DMS, and CCTV devices implemented as part of the SMART Corridor Phase 2 Project.				
05/23-08/23	Houston Airport System (HAS) Program Management Support Services (PMSS) Stantec led the Houston Aviation Alliance (HAA) Joint Venture, which provided Program Management Support Services (PMSS) for Houston Airports. Matt supported the examination of utilizing dynamic message signs with cellular communication to be able to dynamically adjust airport signage through various phases of construction that saw different lane configurations and lane closures. This approach reduces the required number of physical sign changes, reducing lane closures and minimizing risks to workers – all while providing the most up-to-date guidance to travelers.				
05/22-12/22	TDOT Consultant Technical Support Matt provided on-site technical support as an augmentation of TDOT's Traffic Operations Division Staff. In this role, Matt worked from TDOT's offices two days per week to provide technical support on items such as ITS Design Reviews, Construction Support on TDOT's I-24 Smart Corridor Project, Development of a High-Level Cost Estimating Tool for ITS Deployments, Development of Construction				

	Submittal Matrices, and Development of Standardized ITS Special Provisions. As Project Manager, Matt also assigned tasks to other Stantec staff and managed the overall work. Matt also provided as-needed technical support to TDOT throughout the duration of the work order and represented TDOT Traffic Operations Division's interests during project-related meetings.
09/23-08/24	TDOT Statewide ITS and Fiber Deployment Plan Matt served as the project manager for this statewide initiative to identify, prioritize, and set forth a roadmap for ITS across the state over the next 15 years. Matt led stakeholder meetings at each of the four TMCs across the state as well as TDOT headquarters to get unique operational insight into the current ITS deployment and future needs. Projects were identified based on Regional and Statewide needs for ITS devices and fiber optic infrastructure to achieve goals such as network redundancy, wireless and fiber upgrades, advanced traveler information, traffic monitoring, integrated corridor management, and various detection strategies. Matt supported the project prioritization criteria and scoring method to prioritize projects included in each deployment plan and an evaluation matrix that included the project evaluation and additional information about each identified project. The resulting ITS Deployment Plan and Fiber Deployment Plan documents detailed the needs and strategies, project identification methodology, prioritization methodology and process, and roadmap to future deployments.
08/18-04/21	Nashville Smart Mobility Assessment Matt assisted with developing an emerging transportation technologies framework that serves seven Nashville metropolitan counties. The assessment defined how the system can prepare for and thrive in an environment offering all modes and vehicles that are connected, shared, and even autonomous. He coordinated and conducted stakeholder meetings from each municipality on a county-by-county basis. Stakeholders completed a survey before each meeting and the results facilitated discussions and was compiled into a summary matrix of existing and planned smart mobility policy and infrastructure inventory. Matt also helped develop the regional vision for integrated technology and the memo of transportation-related technology needs. The project also met the goal of laying the groundwork to improve coordination and cooperation of technology assets and data sharing between adjacent municipalities to help the transportation systems operate as a holistic region, rather than as isolated segments.
11/21-02/23	DOTD ATMS and 511 Systems Engineering Analysis Matt was responsible for quality control reviews of the systems engineering analysis to determine the requirements for a new ATMS to manage DOTD's ITS devices and provide incident management as well as the requirements for a new 511 system to provide traveler information. The SEA process included significant stakeholder engagement, TMC operator interviews about the existing systems, vendor demos, and concept of operations workshops. Matt utilized his experience and expertise operating and implementing ATMS and 511 systems to oversee the systems engineering analysis efforts. The results of the SEA are being utilized to develop detailed requirements and an RFP procurement document for a hybrid cloud/on-prem system.

Staff Experience:

Firm employed by Stantec Consulting Services Inc.					
Name	Yosef Shirazi, PhD		Years of relevant experience with this employer		7
Title	Senior Associate		Years of relevant experience with other employer(s)		7
Degree(s) / Years / Specialization		PhD / 2019 / Marine Studies MS / 2011 / Marine Science BS / 2007 / Environmental Science and Policy BS / 2007 / Biology			
Active registration number / state / expiration date		N/A			
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities		Yosef will serve as AAM Economic Impact Analysis – Economic Impacts Analysis Lead for this contract. Yosef is a consultant and researcher with 14 years of experience at the intersection of economics, natural sciences, and the built environment. When tackling highly interdisciplinary projects, Yosef leverages his knowledge of economics and decision science to perform complex analyses through appropriately innovative approaches.			
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
05/17 – 04/25	Yosef has led and authored academic studies on the economic and environmental merits of novel electrified transportation schemes, including electrified buses and vehicle-to-grid (V2G) technology, culminating in several published articles and conference presentations.				
02/21 – Present	Yosef leads wholistic and robust benefit-cost analyses for surface transportation improvement projects under US DOT guidelines in support of federal funding applications.				
08/18 - Present	Yosef has authored over two dozen socioeconomic impact analyses across the US in support federal and state environmental applications. These analyses primarily pertain to siting of alternative energy infrastructure projects like new build solar, wind and battery storage projects. For certain projects, Yosef defends his analyses before state siting boards and public utility commissions.				
05/24 – 04/25	Yosef led the economic analysis of alternative pricing structures for use by the City of Toronto in charging for its provision of EV charging stations.				
02/21 - Present	Yosef leads studies to document the economic impact of a variety of alternative projects on local conditions, including contributing to the development of approaches and techniques, and training and development of Stantec economists.				


Staff Experience:

Firm employed by NEXA Capital Partners LLC				 	
Name	Michael J. Dyment		Years of relevant experience with this employer		18
Title	Managing Partner		Years of relevant experience with other employer(s)		25
Degree(s) / Years / Specialization			MS / 1979 / Aeronautics and Astronautics BScE / 1977 / Geomatics Engineering		
Active registration number / state / expiration date			N/A		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Michael will serve as AAM Economic Impacts – AAM Forecasting specialist for this contract. He meets the Minimum Personnel Requirements (MPRs) #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).				
01/17-02/18	For NASA, AAM Market and Economic Impact Analysis. Mr. Dyment led NEXA team as project manager and deep subject matter expert on the AAM ecosystem and its business requirements and economic opportunities. His work led to development of business case methodologies and those financial and project modeling tools necessary to assess market sustainability. Study was used to determine how best to secure \$300M investment in AAM research to accelerate deployment of eVTOL and other technologies. NEXA worked in a team reporting to McKinsey & Co. NEXA developed the data analytics and market forecasting tools for the project.				
06/18-Present	For Multiple Commercial and Government Clients: Mr. Dyment led NEXA team as project manager and deep subject matter expert. Co-created AAM ArcGIS mapping and forecasting website “Urban Air Mobility: Infrastructure and Global Markets 2020-2045”, www.uamgeo.com . Study and associated website cover 100 metropolitan areas of the world, including 50 U.S. cities. More than 100 companies and agencies have been making use of this site for business and economic planning purposes. Government clients include USDOT, FAA, GAO, NASA, and numerous State DOTs.				
10/20-04/21	State of Ohio DOT AAM Economic Impact Analysis: Mr. Dyment led NEXA team as project manager and deep subject matter expert. Working on a subcontract under Crown Consulting for ODOT, NEXA completed a detailed ArcGIS survey of the entire state, developed the 20-year AAM passenger demand forecasts for 5 use cases (Regional Air Mobility, Airport Shuttle, On-Demand Air Taxi, Medical, and Business Aviation) and for cargo delivery, developed the business case analysis for four supply chains (aircraft, operators, UATM, ground infrastructure/vertiports, etc.) and jobs forecast (15,000 new AAM jobs through 2045) using IMPLAN.				
06/21-09/21	State of Arkansas AAM Economic Impact Analysis: Mr. Dyment led NEXA team as project manager and deep subject matter expert. The client, the Walton Family Foundation, wanted NEXA to examine how AAM aircraft and drones could improve healthcare outcomes for this rural state, including potential partnerships with Walmart stores. NEXA developed the 20-year AAM passenger demand forecasts for AAM medical transportation as well as Regional, On Demand, Airport Shuttle, and Business Aviation. NEXA developed the business case analysis for four supply chains (aircraft, operators, UTM, ground infrastructure/vertiports, etc.) and jobs forecast using IMPLAN (4,000 through 2045). Examined and confirmed that AAM infrastructure could be viable to develop and construct and to recover CAPEX/OPEX costs through user fee regimes.				
07/22-01/23	State of Virginia AAM Economic Impact Analysis through Virginia Innovation Partnership Corp. Mr. Dyment led NEXA team as project manager and deep subject matter expert. At the client’s request, NEXA provided forecasting for Minimum Viable Infrastructure: the least complex, lowest-cost set of physical, digital, and regulatory infrastructure elements necessary to safely and efficiently initiate AAM operations in a defined region. NEXA completed a detailed ArcGIS survey of the entire state, developed the 20-year AAM passenger demand forecasts for 5 use cases (Regional, On Demand, Business Aviation, Medical, and Airport Shuttle) and for cargo delivery, developed the business case analysis for four supply chains (aircraft, operators, UTM, ground infrastructure/vertiports, etc.) and provided a jobs forecast (17,000 new AAM jobs through 2045) using IMPLAN.				




06/23-08/24	Kingdom of Saudi Arabia AAM Strategic Plan. Mr. Dymont led NEXA team as project manager and deep subject matter expert. Under a consortium of NEXA, AT Kearney and NUAIR, he advised on governance structures, technical and regulatory frameworks to develop a comprehensive blueprint for country-wide AAM implementation for the General Authority of Civil Aviation (GACA)—the Saudi equivalent of the FAA—for full-scale deployment by 2030.
10/23-04/24	State of Oklahoma Advanced Air Mobility Economic Impact Analysis for DOT. Mr. Dymont led NEXA team as project manager and deep subject matter expert. In a subcontract through HNTB, NEXA completed a detailed ArcGIS survey of the entire state, developed the 20-year AAM passenger demand forecasts for 5 use cases (Regional, On Demand, Business Aviation, and Medical) and for cargo delivery, developed the business case analysis for four supply chains (aircraft, operators, UTM, ground infrastructure/vertiports, etc.) and jobs forecast using IMPLAN, which forecast 4,600 jobs through 2045.
08/24-02/25	State of Utah Economic Impact Analysis for UDOT. Mr. Dymont led NEXA team as project manager and deep subject matter expert. With the 2034 Winter Olympics as an AAM Priority for Utah, NEXA completed a detailed ArcGIS survey of the entire state, developed the 20-year AAM passenger demand forecasts for passenger use cases—including a new one, Tourism—and for cargo delivery, developed the business case analysis for four supply chains (aircraft, operators, UTM, aircraft, and ground infrastructure/vertiports) and jobs forecast using IMPLAN, which forecast some 11,000 new jobs from AAM by 2045.
09/05-09/06	Louisiana Regional Transit Administration (RTA) Post Katrina Remediation. Mr. Dymont led the PriceWaterhouseCoopers team as project manager and project finance SME. While at PriceWaterhouseCoopers in 2005-2006, Mr. Dymont, along with HNTB, led a project to restructure the RTA post-Katrina. The hurricane and subsequent flood destroyed the entire NOLA bus fleet. His work entailed reorganizing the state-backed bond programs that were placed in default and aligning the project on a future footing so that the RTA could begin to acquire new (or used) buses to begin transporting workers between residential locations and workplaces such as hotels, restaurants and casinos. FTA support was crucial, as was participation from the Governor's office in structuring a financial rescue and re-fleeting package.
03/12-02/19	Iridium ATC Business Case and Cost Benefit Analysis Led a NEXA corporate finance and PPP project team for client Iridium Communications, to establish a space-based satellite overlay built into the Iridium NEXT constellation of 77 satellites in a hosted payload configuration and thus providing ADS-B global coverage for the aviation industry. This project involved securing \$150 million while Iridium partnered with NavCanada and multiple U.S. airlines to design, build and operate this new service. Extensive cost benefit and economic analysis performed by NEXA's team prior to justifying the financing and closing the transaction, which has been in IOC since 2019. The last of the satellites were launched in 2019 to complete the constellation.

Staff Experience:


Firm employed by NEXA Capital Partners LLC					
Name	Dr. Tulinda Larsen		Years of relevant experience with this employer		12
Title	Principal		Years of relevant experience with other employer(s)		4
Degree(s) / Years / Specialization		PhD / 2013 / Management MA / 1978 / Economics BA / 1976 / Economics/Political Science/Mathematics			
Active registration number / state / expiration date		Private Pilot License (PPL), Remote Pilot in Command			
Year registered	PPL 1982 Remote Pilot 2017	Discipline	N/A		
Contract role(s) / brief description of responsibilities		Tulinda will serve as AAM Economic Impacts – AAM Workforce/Revenue specialist for this contract.			
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
08/24-02/25	AAM Economic benefits study, Utah Department of Transportation. Role: advisor econometric analysis; stakeholder interviews and responses; study review.				
10/20-07/24	Department of Defense contract, Defense Manufacturing Community Support Program – Principal Investigator. \$11 million contract with multiple tasks, including a task to understand the challenges of using advanced materials for advanced air mobility aircraft.				
02/20-01/24	Small Business Administration, Regional Innovation Cluster Program – Principal Investigator. \$2.5 million contract to elevate small businesses in advanced manufacturing.				
10/22-01/24	Department of Energy – Carbon Ore, Rare Earths, Critical Materials (CORE-CM) – Principal Investigator. \$7 million contract to identify, locate, and quantify CORE-CM in Utah and provide community outreach.				
10/23-07/24	Economic Development Agency, Tech Hub Strategy Development Grant – Principal Investigator. \$500,000 contract to create an ecosystem in Utah for critical materials.				
02/21-Present	100 Lessons for a Trustworthy Drone Business , Parcelli Publishing, 2nd Edition 2021; Author. 100 Lessons for Drone Hobbyists , Parchilli Publishing, 2nd Edition 2021; Author.				
01/19-02/20	Statewide AAM Plan for Ohio. Chief Economist. This NEXA Contract provided one of the first AAM studies for a state.				
01/17-2/18	NASA Forecast for Urban Air Mobility. Contractor with NEXA as Economist for first study forecasting operations and economics for Urban Air Mobility.				
02/19-Present	"Flight Test Market for large Unmanned Aircraft Vehicles (UAV) and Urban Air Mobility (UAM)" , White Paper February 2019; Author				
2017-2018	"Design of a Ski Lift Maintenance Program Using Drones" Capstone Project, George Mason University Systems Engineering, May 2018 – Project sponsor and advisor; “Commercial Drone Package Delivery for Tooele Utah” Capstone Project, George Mason University Systems Engineering, May 2017 – Project sponsor and advisor.				
09/17-Present	"Forecast Commercial Market for UAS Package Delivery" , ERAU Press 2017; Author				
2016	"Fundamental Economic Laws of UAVs: Adopt or Die," White Paper 2016; Author				
2013	Dissertation: A Behavioral Framework for Managing Massive Airline Flight Disruptions through Crisis Management, Organization Development, and Organization Learning				

Staff Experience:

Firm employed by NEXA Capital Partners LLC					
Name	Phillip Dymant		Years of relevant experience with this employer	9	
Title	Vice President		Years of relevant experience with other employer(s)	0	
Degree(s) / Years / Specialization			BA / 2016 / Global Studies		
Active registration number / state / expiration date			N/A		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Phillip will serve as AAM Economic Impacts – AAM Business Impacts specialist for this contract.		
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).				
01/17-02/18	AAM Market and Economic Impact Analysis for NASA. Economic Modeling Analyst working in team reporting to McKinsey and Co. Assisted in development of data analytics and market forecasting tools for three use cases—last-mile delivery, air metro, and air taxi. Projected package and passenger demand for 15 largest US cities, as well as infrastructure costs and ticket prices.				
06/18-Present	For Multiple Commercial and Government Clients: Economic Modeler and ArcGIS Analyst. Co-created AAM ArcGIS mapping and forecasting subscription website “Urban Air Mobility: Infrastructure and Global Markets 2020-2045”, www.uamgeo.com . Performed ArcGIS mapping for 75 largest cities globally (now over 100), developed forecasting tools for demand and infrastructure costs, number and type of vertiports required.				
10/20-04/21	State of Ohio DOT AAM Economic Impact Analysis: ArcGIS Analyst and Economic Modeler. Working on a subcontract under Crown Consulting for ODOT, examined and confirmed that AAM infrastructure could be viable to develop and construct as well as to recover CAPEX/OPEX costs through user fee regimes. Completed a detailed ArcGIS survey of the entire state, developed the 20-year AAM passenger demand forecasts for 5 use cases (Regional Air Mobility, Airport Shuttle, On-Demand Air Taxi, Medical, and Business Aviation) and for cargo delivery, developed the business case analysis for four supply chains (aircraft, operators, UATM, ground infrastructure/vertiports, etc.) and jobs forecast using IMPLAN.				
06/21-09/21	State of Arkansas AAM Economic Impact Analysis for the Walton Family Foundation: ArcGIS Analyst and Economic Modeler. With an emphasis on providing improved healthcare outcomes for rural residents, completed a detailed ArcGIS survey of the entire state, developed the 20-year AAM passenger demand forecasts for 5 use cases and for cargo delivery, developed the business case analysis for four supply chains (aircraft, operators, UATM, ground infrastructure/vertiports, etc.) and jobs forecast using IMPLAN.				
04/20-10/21	AAM Study for Toronto and Vancouver Metro Areas for Canadian Advanced Air Mobility Consortium. ArcGIS Analyst, Economic Impact Analyst. Completed a detailed ArcGIS survey of each metropolitan area. Examined economic and social benefits of Advanced Air Mobility use cases and drones. For Vancouver, developed the 20-year AAM passenger demand forecasts for 5 use cases and for cargo delivery, developed the business case analysis for four supply chains (aircraft, operators, UATM, ground infrastructure/vertiports, etc.) and jobs forecast using IMPLAN. Examined and confirmed that AAM infrastructure could be viable to develop and construct and to recover CAPEX/OPEX costs through user fee regimes.				
11/22-12/22	Wisk. Economic Modeler for AAM OEM report on impact forecasting for SouthEast Queensland in Australia. Developed business case, analyzed supply chains, and forecast new jobs, increased GDP, and new revenues.				
07/22-01/23	State of Virginia AAM Economic Impact Analysis through Virginia Innovation Partnership Corp. ArcGIS Supervisor, Economic Modeler. Forecasted Minimum Viable Infrastructure to get AAM up and running. Supervised detailed ArcGIS survey of the entire state, developed the 20-year AAM passenger demand forecasts for 5 use cases and for cargo delivery, developed the business case analysis for four supply				


	chains (aircraft, operators, UATM, ground infrastructure/vertiports, etc.) and jobs forecast using IMPLAN. Examined and confirmed that AAM infrastructure could be viable to develop and construct and to recover CAPEX/OPEX costs through user fee regimes.
06/23-08/24	Kingdom of Saudi Arabia AAM Strategic Plan. Business Strategist, Economic Impact Analyst. Part of a consortium of NEXA, AT Kearney and NUAIR to develop a comprehensive blueprint for country-wide AAM implementation for the General Authority of Civil Aviation (GACA)—the Saudi equivalent of the FAA—for full-scale deployment by 2030. Created strategic roadmap, business case, financial models, governance structures, technical and regulatory frameworks, CAPEX construction and deployment estimates for 200 vertiports, and economic impact assessments.
10/23-04/24	State of Oklahoma Advanced Air Mobility Economic Impact Analysis for DOT through prime HNTB. Economic Impact Analyst. Using IMPLAN, forecast new jobs, increased GDP and new tax revenues AAM would bring to state through 2045. Findings: that investments made in AAM infrastructure could be recaptured through user fees. Supervised ArcGIS survey of the entire state for over 60 AAM-related layers, developed the 20-year AAM passenger demand forecasts for 5 use cases and for cargo delivery, developed the business case analysis for four supply chains (aircraft, operators, UATM, ground infrastructure/vertiports, etc.).
08/24-02/25	State of Utah Economic Impact Analysis for UDOT. Economic Impact Analyst, ArcGIS supervisor. Supervised completion of a detailed ArcGIS survey of the entire state. Developed the 20-year AAM passenger demand forecasts for six use cases (Regional Air Mobility, Airport Shuttle, On-Demand Air Taxi, Business, Medical, and Tourism) and for cargo delivery. Developed the business case analysis for four supply chains (aircraft, operators, UATM, ground infrastructure/vertiports, etc.) and jobs forecast using IMPLAN. Examined and confirmed that AAM infrastructure could be viable to develop and construct and to recover CAPEX/OPEX costs through user fee regimes.

Staff Experience:


Firm employed by Stantec Consulting Services Inc.					
Name	Mike Smejkal, PE, AAE		Years of relevant experience with this employer		3
Title	Mountain Region Airport Infrastructure Lead		Years of relevant experience with other employer(s)		23
Degree(s) / Years / Specialization			MS / 1999 / Civil Engineering BS / 1997 / Civil Engineering		
Active registration number / state / expiration date			53829 / Arizona / 9/30/2027 062055827 / Illinois / 11/30/2025		
Year registered	2012 (AZ) 2002 (IL)	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			<p>Mike will serve as AAM Grant Writing and Funding – Grants and Funding Lead for this contract. He meets the Minimum Personnel Requirements (MPRs) #8. Mike has been working on Airport Development throughout the United States for his entire 26-year career as both an engineering consultant and as an airport owner. He has extensive experience working with federal and state partners to plan and obtain grant funding to complete the airport infrastructure projects. That experience has included obtaining federal grants for project from FAA, TSA and DOD. The federal grants have come from sources including Airport Improvement Program (AIP), Infrastructure Investment and Jobs Act (IIJA/BIL), Military Construction Cooperative Agreements (MCCA) and Other Transaction Agreements (OTAs) to fund airfield infrastructure, roadway infrastructure, terminal improvements, green energy initiatives and security hardening. At the state level he has successfully obtained both state matching grants and standalone grants in Arizona, Illinois, Indiana, Iowa, Kansas, Missouri and Ohio. He has found success by working closely with clients and agency partners to craft the project requirements to align closely with the grant criteria and scoring. On multiple occasions he has been able to secure funding from multiple agencies to fund a single initiative by breaking down the project into working packages that align to each grants eligibility and priority criteria.</p>		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
10/23 – 06/25	Eisenhower Wichita National Airport, Wichita, KS – ICT Terminal Modifications. Mike served as FAA and Airline Liaison for this project, which is making improvements to the Terminal Ticket Counters, Common Use Technology Implementation, Exit Lane Breach Control and Baggage Handling System upgrades. Mike assisted airport in submitting and successfully receiving a \$4million Bipartisan Infrastructure Law (BIL)– Airport Terminal Program (ATP) Grant in FY24 to fund the first phase of construction. Mike is currently assisting the airport to pursue a Phase 2 grant as part of the FY25 BIL-ATP program. Mike assisted the airport in coordination with FAA prior to application to assure the projects met eligibility and position the application to achieve the maximum score possible. Mike also worked closely with design team to assure the design was prioritized in a way to achieve the highest score and meet all necessary grant requirements.				
06/22 – 06/25	HA Clark Memorial Field, Williams, AZ – Multiple FAA and ADOT grants to complete design and construction projects totaling in value of \$1.6million. Mike has served as the Project Manager for a number of projects at HA Clark Memorial Field where he successfully assisted the airport in receiving grants for design and construction projects from ADOT and FAA. Specifically, he developed applications for design grants as part of ADOT’s State-Local program and construction grants from FAA AIP and BIL programs to construct new airfield signage improvements and realignment of Taxiway E.				

05/12 – 05/22	Tucson International Airport (TUS) Tucson, AZ - Airfield Safety Enhancement (ASE) Program. While working for TAA Mike served as project Director and Executive that oversaw the planning, environmental, design and beginning of construction for the ASE Program which includes constructing a new commercial runway and extensive taxiway improvements. Mike worked closely with FAA, ADOT and DOD to successfully apply for and obtain funding from FAA for the planning, EIS, design and construction grants totaling over \$100million. In addition, the project construction was supplemented by additional grants from Arizona Air National Guard – MCCA grants and ADOT grants.
05/12 – 07/15	Tucson International Airport (TUS), Tucson, AZ – Air Carrier Apron Reconstruction Project. As Project Director for TAA, Mike was successful in securing multiyear AIP grants totaling \$40million to reconstruction the Air Carrier Apron at TUS. Mike was able to work closely with FAA to demonstrate that accelerated funding of this project would bring overall cost savings and was able to complete the project in 3 funding years which was nearly twice as fast as originally anticipated.
06/15 – 07/16	Tucson International Airport (TUS), Tucson, AZ – Solar Canopy Phase 2. Mike served as project executive and assisted the airport in obtaining \$6million FAA AIP funds to install the second phase of Solar Canopy above the Daily / Hourly Parking Lot at TUS. Mike worked closely with FAA to evaluate several grant programs (AIP vs VALE) to determine how the project would score best.
11/07 – 12/10	Fostoria Municipal Airport (FOS), Fostoria, OH – 800' Runway Extension. Mike served as design Project Manager for this 800' runway extension. He assisted the Airport in securing both private and FAA funding for this project. The infusion of private money to fund a portion of the project was an innovative approach at the time and assisted the airport in obtaining the balance of funding from the FAA AIP program.

Staff Experience:


Firm employed by Stantec Consulting Services Inc.					
Name	Heidi Peper		Years of relevant experience with this employer		6
Title	Senior Funding Leader		Years of relevant experience with other employer(s)		23
Degree(s) / Years / Specialization			BA / 1995 / Community Development/Public Relations		
Active registration number / state / expiration date			N/A		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Heidi will serve as AAM Grant Writing and Funding – Infrastructure Funding specialist for this contract.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
10/19-02/22	Secured more than \$13 million in grants from the Port Infrastructure Development Program (Maritime Administration), Harbor Assistance Program (Wisconsin Department of Transportation) and the Legacy Program (US Environmental Protection Agency).				
05/24-12/24	Green Business Partners (GBP) program Fairfax County, Virginia: Provided list of federal, state and regional financing and incentive opportunities for businesses to pursue to achieve climate sustainability goals.				
12/23-02/24	Secured \$1,178,500 Rebuilding American Infrastructure with Sustainability and Equity (RAISE) planning grant for the Northeastern Colorado Association of Local Governments.				
09/22-02/23	Secured a \$1.8 million Reconnecting Communities grant for the City of Boston, MA.				
11/22-01/23	Provided funding strategy for the Norwalk River Valley Trail, Georgetown, Connecticut.				
03/20-Present	Provide ongoing funding support for the City of Boston, Massachusetts, which has included nearly \$70 million in funding from multiple US Department of Transportation programs.				
07/23-09/23	Secured a \$134,576 grant from the Safe Streets and Roads for All program for the City of Maple Lake.				
10/20-12/20	Secured a \$1.3 million Greater Minnesota Business Development Public Infrastructure grant for the City of Sauk Centre, Minnesota.				
08/21-12/21	Secured a \$200,000 grant from the US Economic Development Administration (EDA) in the amount of for Greater Spokane, Inc., Washington.				
10/21-12/21	Secured a \$600,000 grant from the US Environmental Protection Agency (EPA) and its Brownfields Assessment program for the City of Austin, Minnesota.				
10/18-12/18	Secured a \$600,000 grant from the US Environmental Protection Agency (EPA) and its Brownfields Assessment program for Dakota County, Minnesota.				
10/19-12/19	Secured a \$600,000 grant from the US Environmental Protection Agency (EPA) and its Brownfields Assessment program for Washington County, Minnesota.				
09/19-12/19	Secured a \$951,330 Greater Minnesota Business Development Public Infrastructure grant for the City of Cold Spring, Minnesota.				

Staff Experience:


Firm employed by Fehr & Peers Inc.					
Name	Jolene Hayes		Years of relevant experience with this employer	7	
Title	Senior Associate		Years of relevant experience with other employer(s)	20	
Degree(s) / Years / Specialization			Masters / 1999 / City and Regional Planning BA / 1997 / Political Science		
Active registration number / state / expiration date			AICP No. 26392 / GA / 10/12/2026		
Year registered	2013	Discipline	Planning		
Contract role(s) / brief description of responsibilities			Jolene will serve as AAM Grant Writing and Funding – Freight and Multi-Modal Funding specialist for this contract. Jolene has more than 25 years of experience in local, regional and statewide transportation, land use and goods movement planning, environmental analysis, and implementation. She is well-versed in local, regional and national issues and understands the importance of balancing the movement of goods and people on railways, roadways and waterways from a local, port, regional, state and national perspective.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
10/22-04/25	NCHRP 08-141, A Guidebook for Local Truck Parking Regulations Washington, DC Principal Investigator Jolene served as the Principal Investigator for this study to conduct a national review of model zoning codes and planning policies associated with truck parking. The research concluded with the development of a Local Truck Parking Regulations Guidebook consisting of model ordinances, planning policies, and implementation strategies for addressing truck parking needs and impacts in local communities across the nation.				
10/17-04/19	NCFRP 20-102(22) State and Local Impacts of Automated Freight Transportation Systems Washington, DC Co-Author/Associate Researcher Jolene served as an associate researcher and co-author for this report that focuses on the planning, engineering, policy and operations implications of autonomous freight transportation, including heavy and light duty trucks, passenger-sized delivery vehicles, drones, and sidewalk robots. She is specifically responsible for the over-the-road applications and implications for state and local agencies.				
01/12-04/14	NCFRP 37 - Making U.S. Ports Resilient as Part of Extended Intermodal Supply Chains Washington, DC Author/Researcher Jolene served as a researcher and author for this report that focused on the impacts of port disruptions and key elements of supply chain resiliency. She was tasked with conducting interviews with 20 major key industry stakeholders, including terminal, railroad, trucking, and warehousing operators and developing a case study based on the planned temporary closure of the Snake/Columbia River System to barge traffic.				
12/20-12/21	San Diego and Imperial Counties 2021 Gateway Study Update San Diego, CA Project Manager Jolene led a team tasked with analyzing changes in cross-border freight flows that have occurred over the past five years and projecting freight system improvements that will be needed in the future. This update included an analysis of freight bottlenecks, freight rail deficiencies, truck-involved collisions, first/last-mile delivery activities, and an assessment of clean truck charging/fueling activities to identify funding and infrastructure needs. The document identified policies, programs and projects aimed at improving freight efficiency and reducing community impacts of freight operations for SANDAG’s 2021 RTP.				
01/19-7/19	Southern California Strategic Freight Plan Los Angeles, CA Project Manager Jolene was the Project Manager for this study for Caltrans that covers Districts 7, 8 and 12. The study delved deeper into local issues, projects and programs to further the implementation of the recently adopted California Freight Mobility Plan and the Governor’s				

	Executive Order 20-04, is to identify strategies for greening freight to reduce greenhouse gas emissions and air quality impacts on local communities.
03/20-10/22	<p>Virginia Department of Transportation Truck Parking Study Richmond, VA Project Manager</p> <p>Jolene served as the Project Manager for the development of a truck parking study for VDOT. This study combined a large database of truck activity, stakeholder input from law enforcement, agency staff and industry, and land use information obtained from both field work and aerial imagery to identify truck parking shortages along federal and state facilities. This effort resulted in the development of an interactive database to assist with annual Jason's Law reporting, site specific details on the locations with the most significant truck parking needs, and recommendations for alleviating truck parking shortages throughout the State.</p>
01/20-08/20	<p>Port of Oakland Heavy Weight Permit Program Update Oakland, CA Project Manager</p> <p>This project reviewed and investigated changes to the Port's heavy weight permit that has been in place since the 1970s when the Port and the City of Oakland designated roads within the Port area for use by trucks with GVWs up to 95,000 pounds. As street alignments and cargo flows changed, the routes and permit system have been updated, but the permit requirements have not been modified to reflect changes, including technological design advancements in heavy trucks and chassis equipment. For this effort, we interviewed the primary heavy haul permit holders, as well as Caltrans, the City of Oakland, and other states throughout the country to identify best practices and propose recommended revisions.</p>
09/17-09/20	<p>California Freight Mobility Plan Update Sacramento, CA Technical Expert</p> <p>Jolene served as a technical expert on port intermodal operations, stakeholder engagement, and policy development for Caltrans' CFMP Update. As part of this effort, she conducted interviews with 25 industry stakeholders and obtained survey responses from another 100 stakeholders, including governmental agencies, industry (rail, trucking, ports, airports, 3PLs, BCOs, etc.), and community groups and coordinated with the technical team to develop the policy recommendations section.</p>


Staff Experience:

Firm employed by Partners for Automated Vehicle Education (PAVE)					
Name	Tara Andringa		Years of relevant experience with this employer		7
Title	Executive Director		Years of relevant experience with other employer(s)		24
Degree(s) / Years / Specialization			BA / 1993 / Political Science		
Active registration number / state / expiration date			N/A		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Tara will serve as Web Design/Webinar – Task Lead for this contract. She meets the Minimum Personnel Requirements (MPRs) #9. Tara has more than 25 years of experience in communications leadership and stakeholder engagement across the transportation sphere. She led the design and development of high-profile websites, marketing campaigns, and stakeholder engagement plans for several organizations, including public sector entities.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
06/18 – Ongoing	Partners for Automated Vehicle Education Executive Director Washington, DC As the executive director of this nonprofit organization, Tara manages a diverse coalition of more than 80 stakeholders in the transportation ecosystem. She leads all aspects of the organization, including: <ul style="list-style-type: none"> • Media engagement and communications, including overseeing all aspects of PAVE’s multi-media communications strategy, including web development, marketing, press outreach, and webinar production. • Stakeholder outreach • Business development • Budgeting and compliance 				
01/15 – 06/18	U.S. Department of Defense Military Health System Stakeholder and Outreach Director Arlington, Virginia <ul style="list-style-type: none"> • Stakeholder Engagement: Tara served as the lead contact for the Military Health System’s strategic outreach program, including developing and executing a plan to manage and leverage partnerships across diverse stakeholders. • Senior Communications Consultant: Helped oversee senior leader communications across the Military Health System, including planning engagements, writing speeches, coordinating logistics, and advising leadership. Oversaw the agency’s speakers’ bureau. • Event Planning: Served as the lead planner for agency-wide, high-profile events at the agency. Coordinated all logistics and led internal and external communications. 				
05/94 – 01/15	United States Senate Communications Director Washington, D.C. As the communications director for a U.S. Senate office two Senate committees, and the Senate Auto Caucus, Tara managed all aspects of the communications operations for over 20 years. Specifically, she: <ul style="list-style-type: none"> • Maintained all contact with the national press corps, including conducting on-the-record interviews, pitching stories, briefing reporters on legislation and policy, and scheduling media interviews for the Senator. • Oversaw design, content, and maintenance of Senator’s website, and maintained Senator’s social media accounts. • Supervised communications staff, including reviewing and editing all written content. • Wrote press releases, briefing memos, op-eds, newsletters, speeches, and television scripts. • Planned and coordinated logistics of press conferences and press events and managed all press aspects of committee hearings. • Developed a long-term communications plan and implemented communications strategies. 				

Staff Experience:



Firm employed by Partners for Automated Vehicle Education (PAVE)					
Name	Katelyn Magney-Miller		Years of relevant experience with this employer		1.5
Title	Communications Director		Years of relevant experience with other employer(s)		10
Degree(s) / Years / Specialization			BA / 2015 / Communications		
Active registration number / state / expiration date			N/A		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Katelyn will serve as Web Design/Webinar – Webinars Lead for this contract. She meets the Minimum Personnel Requirements (MPRs) #7. Katelyn serves as the Communications Director for PAVE where she leads the development of marketing and communications strategies to educate the public on autonomous vehicles. She has over 10 years of experience in marketing and communications, including web development, graphic design, event and webinar management, social media, and email marketing. Katelyn also serves on the Board of Directors and heads digital marketing efforts for Women in Automotive Technology (WAT).		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
02/24 – Present	Partners for Automated Vehicle Education Communications Director Minneapolis, MN As Communications Director, Katelyn leads the development and execution of communications and media strategies for PAVE’s reach and growth. She develops all digital materials for social media, newsletters, and presentations. She also manages the planning of events such as PAVE webinars, workshops, and the PAVEcast. Katelyn is the developer and administrator for PAVE’s public website and member portal.				
10/23 – Present	Board Member; Marketing Lead Women in Automotive Technology (WAT) Minneapolis, MN Katelyn serves on WAT’s advisory board and manages all marketing efforts. She maintains the organization’s website, manages their webinar series, and supports the planning and execution of events.				
08/20 – 02/24	Founder Magney Creative Pittsburgh, PA; San Francisco, CA Supported small businesses with strategic consulting and hands-on marketing support, including branding, website design, SEO, copywriting, event planning, and social media.				
06/17 – 03/19	Digital Marketing Specialist UW Credit Union Madison, WI Managed the execution of digital marketing tactics for consumer banking products. Built and deployed all marketing emails and automation campaigns. Maintained public website and reported on traffic and engagement. Managed the planning, implementation, and reporting of paid and organic media.				
03/15 – 06/17	Associate Manager, Marketing and Communications PharmaSeek Companies Madison, WI Owned marketing and communications initiatives under the PharmaSeek Companies Umbrella. Built multi-channel marketing and communications strategy for four businesses. Managed social media outlets, websites, email marketing, branding, copywriting/content development, webinar planning, and industry events.				

Staff Experience:

Firm employed by Stantec Consulting Services Inc.					
Name	Chris Puccio, Prosci® Certified Change Practitioner		Years of relevant experience with this employer	16	
Title	Senior Principal		Years of relevant experience with other employer(s)	18	
Degree(s) / Years / Specialization			MBA / 1998 / Business Administration BA / 1990 / Marketing and Business Administration		
Active registration number / state / expiration date			N/A		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Chris will serve as the Strategic Planning - Plan Development Lead for this contract. He is a recognized IT executive and management technology consultant with experience in strategy and planning, IT leadership and operations, management consulting, business process improvement, and organizational change management services delivery. Chris has successfully managed global services delivery teams for developing organizational strategic plans, asset management implementations, and business process improvement initiatives, including over 15 years of experience with implementing EAM asset management, CIS, AMI/AMR, and related technology solutions. He is adept at fostering senior management partnerships to create robust organizational change management strategies that drive successful technology implementations.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
07/21 – 12/22	Enterprise Asset Management Business Process Improvement & Organizational Change, Portland Water Bureau (PWB) Developed improved business processes and asset management strategy for leading PWB towards long term enterprise asset management goals. Worked with all divisions within PWB and facilitated the capture of current state business processes, identified improvement opportunities, and developed future improved state business processes.				
01/20 – 01/22	Smart Utility Strategy and Technology Task Leader, Atlanta Dept of Watershed Mgmt (DWM) Responsible for multiple technology implementation initiatives for realizing DWM’s NextGen Smart Utility strategy. Initiatives include developing the Smart Utility Strategic Plan, AMI business case and implementation strategy, Procurement Services dashboard, SharePoint Records Management implementation, and SCADA and IoT initiatives.				
06/23 – 09/23	Utility Billing and Customer Services Assessment, City of Greeley Water Utility Program Manager developing recommendations to leverage a new AMI implementation for Greeley’s customer services and utility billing meter-to-cash operations functions to meet the current and future needs of the organization and community. Services included assessing the meter-to-cash cycle, utility billing operations, customer services and utility billing staff skills and responsibilities.				
01/23 – 07/24	Organizational Change Management (OCM) for Digital Program Management Office (PMO) Implementation, Saudi Water Company, UAE Program Manager and Senior Principal Consultant for developing and implementing an OCM strategy to support a new digital PMO. Established an active Sponsor and Change Champion team, defined new PMO team roles and expectations, created a messaging campaign to build awareness of the new PMO, and developed a SharePoint-based PMO communications site.				
08/24 – 11/24	One Water Feasibility Study, City of Portland, OR Principal Consultant for conducting a preliminary feasibility study and draft roadmap for implementing a One Water approach for the City of Portland. Opportunities evaluated included improving the long-term financial health and feasibility of the Water and Environmental				


	Services Bureaus, achieve greater service delivery equity and affordability, enhance environmental stewardship by creating a more sustainable, integrated, holistic and resilient water management system, and leverage planned municipal government changes.
01/23 – 07/23	Procurement Department Assessment, Toho Water Authority Conducted an objective assessment of procurement demands, services, staff roles and needs and workload. Goals of the project included understanding current and future demands for Procurement services; validating staffing levels, skills, training needs, and potential gaps; developing recommendations for improved processes, controls, and tools; and proposing role descriptions (duties) and RACI charts based on current department structure.

Staff Experience:

Firm employed by Stantec Consulting Services Inc.					
Name	Ronnie Canups, PE		Years of relevant experience with this employer		10
Title	Aviation Team Lead		Years of relevant experience with other employer(s)		11
Degree(s) / Years / Specialization			BS / 2003 / Civil Engineering		
Active registration number / state / expiration date			#112038 / Tennessee / 07/31/2026 #112038 / Kentucky / 07/31/2026		
Year registered	2008 (TN) 2014 (KY)	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Ronnie will serve as Strategic Planning – Infrastructure/Permitting specialist for this contract. He meets the Minimum Personnel Requirements (MPRs) #2. Ronnie has 21 years of experience as a civil engineer with 17 years dedicated to airport development. His experience includes all aspects of airport design, construction administration and project management for clients ranging from commercial airports to municipal general aviation airports. Ronnie has designed runway, taxiway and apron improvements, airport layout plans (ALPs), hangar buildings, airfield lighting, and other various projects. Ronnie is the aviation team lead for our Nashville office overseeing all aviation work in Tennessee and Kentucky.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
05/24-Present	Aviation Team Lead Ronnie is our aviation team lead for the southeast and is responsible for overseeing all aspects of our regional aviation practice including client management, project deliverables, staff management, and business development.				
06/16-05/24	Aviation Client Manager Client manager for on-call aviation and planning services for 5-10 clients including the Tennessee Department of Transportation (TDOT) Aviation Division for statewide efforts on their behalf. Engineer-of-Record for other multiple clients where Ronnie did not serve as client manager. Representative projects included Airport Layout Plan (ALP) updates, Master Plans, construction of runways and taxiways, airfield lighting, NAVAID relocation and replacements, hangar buildings, parking and access roads, aviation fueling systems, drainage improvements, utility upgrades, NEPA compliance, property acquisitions, obstruction clearing, security upgrades, and more.				
03/21-12/22	Tennessee Airport GIS Inventory System TDOT Aeronautics tasked Stantec with completing an airfield pavement and marking inventory at twenty-eight airports across the state to develop as-built CAD drawings detailing airside pavement edges and airfield markings at these locations. Aware of TAD’s long-term goal of better asset management, Ronnie recommended that this information be incorporated in the new geographic information system (GIS) geodatabase. With TAD approval, we developed the Tennessee Airfield Inventory, a GIS geodatabase designed to be a single, integrated source for TAD to track and manage aviation assets across the state. In addition to an inventory of physical infrastructure, this database includes inventories of aviation safety surfaces (including Part 77), serves as a “one-stop” dashboard with quick links to additional resources and can be utilized to track airport historical records such as as-built drawings and work orders .at a naval air base and assisted with various general civil projects including a campus master plan, warehouse expansions, site improvements for municipal building expansions and more.				


01/21-6/22	<p>Proof-of-Concept UAS Obstruction Identification Project with Warren County Memorial Airport and TDOT Aeronautics Division (TAD)</p> <p>Project developer for a UAS obstruction identification project. Ronnie conceptualized and managed a pilot project funded by Stantec that incorporated drone survey technology to better identify approach obstructions on airfields. Using the Warren County Memorial Airport as a test site, Ronnie designed and implemented a process to use this technology to more efficiently identify airspace obstructions. Ronnie notified TAD about the pilot project and provided regular updates as to the effectiveness of the program. This successful pilot project ultimately led to statewide adoption by TDOT Aeronautics, and their inspection staff are now using these methods as part of their efforts to improve airport safety across the state.</p>
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Staff Experience:


Firm employed by Stantec Consulting Services Inc.					
Name	Lucas Schneller, PE, LC		Years of relevant experience with this employer		24
Title	Senior Associate, Senior Electrical Engineer		Years of relevant experience with other employer(s)		2
Degree(s) / Years / Specialization			BS / 2000 / Architectural Engineering, Structural and Electrical Systems		
Active registration number / state / expiration date			AELE11399 / AK / 12/31/2025		
Year registered	2006	Discipline	Electrical Engineering		
Contract role(s) / brief description of responsibilities			<p>Lucas will serve as Strategic Planning – Airway Systems specialist for this contract. He meets the Minimum Personnel Requirements (MPRs) #3. Lucas has 26 years of experience working on airport projects including everything from rural gravel strips to international airports to military airfields. He has been responsible for the layout and design of runway and taxiway lighting; nav aids including PAPIs, VASIs, REILs, and approach lighting systems; lighting controls; and regulator vaults and associated power distribution at both civilian and military facilities. Additional airport experience includes aircraft ground power systems, perimeter security and access controls, and automated traffic controls for obstruction prevention. He is one of Stantec's most senior electrical design engineers in all areas of aviation lighting, navigational aids, power and control systems.</p>		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
01/22-06/25	<p>Federal Aviation Administration (FAA), New Air Traffic Control Tower and TRACON Facility at Ted Stevens Anchorage International Airport, Anchorage, Alaska</p> <p>Lucas was an electrical engineer on this project for a new a 40,000-sf, 2-story base building with TRACON, attached 300-ft ATCT, and a new FOTS communications loop around the airfield. Lucas provided design of the interior and exterior building lighting and power (other than main distribution/generator and equipment room busway), provided design of the site power and lighting, assisted with the FOTS design, and coordinated extensively with the distribution and generator design performed by others. Construction will start in 2025.</p>				
07/17-11/19	<p>Anchorage International Airport Runway 15/33 Rehabilitation Anchorage, Alaska</p> <p>Lucas was the lead electrical engineer for this project to widen Runway 15/33 to 200 feet and shift the runway thresholds. The electrical work included complete replacement of the edge and centerline lighting systems on the runway and the intersecting taxiways back to the hold lines. The lighting included implementation of low-vis taxiway centerline lighting across the runway and lead-on/lead-off lights at several runway/taxiway intersections. Manholes and ductbanks were installed to support FAA's work to relocate a REIL, two PAPIs, and the glide slope, and install a MALSF system. The lighting on the intersecting taxiways were closely coordinated with the lights recently installed under two adjacent taxiway projects, as well as the taxiway lights on a third project being designed concurrently with the Runway 15/33 project. The rehabilitation of Runway 15/33 was performed over two construction seasons and involved closure of the primary departure runway at the airport. The design and construction included extensive coordination with FAA as they relocated the glide slope and installed a MALSR system concurrent with the runway project construction.</p>				
08/13-01/16	<p>Juneau International Airport Runway 8/26 Rehabilitation, Juneau, Alaska</p> <p>Lucas was the electrical engineer on this project to reconstruct Runway 8/26 at the Juneau Airport. The project included establishing a temporary runway on the parallel taxiway to allow airport operations to continue during the runway construction. Electrical work consisted of replacing the runway edge and centerline lighting, installing additional runway guard lights on existing taxiways, replacing lighted signs, and installation of temporary REIL and LDIN systems for the temporary runway. Lucas worked with the airport to evaluate</p>				

	the existing light bases and conduit system for the runway centerline lights. It was determined that this portion of the system could be reused, which saved not only money, but valuable time in the limited construction schedule.
07/05-11/11	<p>Anchorage International Airport Runway 7R/25L Rehabilitation/Extension, Anchorage, Alaska</p> <p>Lucas was the electrical engineer for the electrical design for the Rehabilitation and extension of Runway 7R/25L, including replacing the runway and taxiway lighting, guidance signs, and wind cone; upgrading the airfield lighting control system and the weather/surface sensor system; adding wireless communications to the lighting controls; and installing a controlled stop bar. The project required coordination with FAA to facilitate the removal and replacement of the approach lighting and navaid systems by FAA during the construction of the runway. Work also included utility coordination in support of the navaids, installation of FAA fiber optic communication duct banks, phase balancing of the regulator switchgear system, and installation of paralleling switchgear for regulator vault generators.</p>
06/04-08/09	<p>Electrical Design, Ketchikan International Airport Runway Safety Area and Lewis Reef Road Tunnel, Ketchikan, Alaska</p> <p>Lucas provided electrical engineering design for this award-winning DOT&PF project that shifted the entire runway 750 feet east to expand the runway safety area and constructed the first highway tunnel under an active runway in Alaska. Electrical work included the replacement of the approach lighting systems, relocation of the localizer, glide slope, DME, RVR, ASOS, and NDB, and installation of a generator and reconfiguration of the primary power system to support the FAA-installed electronic navigational systems. Additional work included lighting, fire detection, and extension of existing utilities in the new roadway tunnel.</p>


Staff Experience:

Firm employed by Stantec Consulting Services Inc.					
Name	Alexis Sanchez, PE		Years of relevant experience with this employer		6
Title	Associate, Aviation		Years of relevant experience with other employer(s)		3
Degree(s) / Years / Specialization		MS / 2017 / Civil Engineering BS / 2015 / Civil Engineering			
Active registration number / state / expiration date		102355 / NY / 05/31/2028			
Year registered	6	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities		Alexis will serve as Strategic Planning – Vertiports Design for this contract. He meets the Minimum Personnel Requirements (MPRs) #5. Alexis is a licensed Professional Engineer with over 9 years of design experience in aviation infrastructure. His skill set includes airport planning and design, heliport planning and design, pavement design, grading, drainage, site development, cost estimating, and contract specification writing. Airports which Alexis has performed aviation design services for include LaGuardia Airport, John. F. Kennedy International Airport, and Newark Liberty International Airport.			
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
02/22 – 05/25	Designed complex airport infrastructure at JFK, LGA, and EWR airports such as deicing facilities, taxiways, and terminal aprons.				
01/21 – 02/22	Designed civil infrastructure in support of BETA Technologies eVTOL manufacturing facility.				
05/20 – 01/21	Designed civil airport infrastructure for runways, overruns, taxiways, and mass parking aprons at Grissom Air Reserve Base.				
01/19 – 05/20	Designed heliports for various hospitals and state police facilities.				
07/18 – 01/19	Designed major airport apron terminal redevelopment works at JFK and LGA airports.				
06/15 – 07/18	Designed Runway and Taxiway rehabilitation projects at JFK and LGA airports.				

Staff Experience:


Firm employed by Community Air Mobility Initiative (CAMI)					
Name	Yolanka Wulff, JD		Years of relevant experience with this employer	6	
Title	Executive Director		Years of relevant experience with other employer(s)	30	
Degree(s) / Years / Specialization			Juris Doctor / 1995 / Land Use, Sustainable Transportation, Organizational Mngt.		
Active registration number / state / expiration date			N/A		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Yolanka will serve as Strategic Planning – Policy/Education specialist for this contract.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
04/19 – Present	AAM Resource Development, Community Air Mobility Initiative Develop AAM resource toolkit including online topical guides, webinars, and conference presentations on multiple AAM topics (ongoing). Through workshops and collaborations, develop AAM policy and best practices.				
10/20 – Present	Urban Air Policy Collaborative, Community Air Mobility Initiative Develop curriculum modules for 20-hour online AAM course for state, regional, local and tribal and airport agency staff and decisionmakers. Topics include planning, equity, multimodal integration, community engagement, economic benefits, legal and policy and others. Provide expert education on various topics and organize and moderate the cohorts. Also organize and run single topic webinars for broader audience. (ongoing)				
08/24 – 05/25	WSDOT AAM Aircraft Plan, Community Air Mobility Initiative As subcontractor to this contract with Washington Department of Transportation Aviation Division, authored literature and state transportation plan review, economic benefits section, and provided strategy and policy guidance and recommendations for the plan.				
06/23 – 09/24	Caltrans Advanced Air Mobility Infrastructure Readiness Study and Workplan, Community Air Mobility Initiative As subcontractor to this contract with California Department of Transportation, edited literature review, authored section on social equity, and provided strategy and policy guidance and recommendations for the plan.				
01/22 – 03/24	American Planning Association Planning Advisory Service 606 – Planning for Advanced Air Mobility, Community Air Mobility Initiative Co-author of this first-of-its-kind guidebook for planners and public agencies on various opportunities, challenges, and strategies in planning for AAM deployment. Topics include industry introduction and background, operations, community impacts, community acceptance, social equity, infrastructure, multimodal integration, and policy and planning considerations.				
04/22 – 11/23	Airport Cooperative Research Program Report 261 – Advanced Air Mobility and Community Outreach: A Primer for Successful Stakeholder Engagement, Community Air Mobility Initiative Co-primary investigator and co-author of AAM primer and toolkit for local jurisdictions and airports. Includes resources, strategies and policies for AAM engagement, and a toolkit that includes a presentation deck, stakeholder assessment, and communication planner.				
03/21 – 03/22	NASA Advanced Air Mobility: Community Integration Considerations Playbook., Community Air Mobility Initiative Organized and led a series of workshops and focus groups with state and local aviation agencies resulting in a collaborative playbook on AAM policies and practices.				

Staff Experience:

Firm employed by Fehr & Peers Inc.					
Name	Eric Womeldorff, PE		Years of relevant experience with this employer		20
Title	Principal		Years of relevant experience with other employer(s)		0
Degree(s) / Years / Specialization		ME / 2005 / Transportation Engineering BS / 2003 / Civil Engineering			
Active registration number / state / expiration date		PE No. 81432 / CA / 9/30/2025			
Year registered	2013	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities		Eric will serve as Strategic Planning – Technology Roadmap for this contract. Eric’s project and industry experience have enabled him to understand the correlations among land use, economics, politics, and transportation, and this powers his passion—helping his clients think ahead, so they can stay ahead. His areas of expertise include the relationship between land use and transportation, travel behavior, TDM and parking, curbspace management, and a wide range of technical analysis approaches			
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
01/23 - Ongoing	Confidential Urban Development Project California Transportation Consultant Eric served as the initial transportation consultant lead from the beginning of 2023 to July, when he moved to Washington DC and transferred active management. Eric continued to play a pivotal support and institutional knowledge and problem-solving role. For the past year Eric has played a role in shaping the transportation landscape of the newly envisioned urban city, including Advanced Air Mobility (AAM) operations and infrastructure. His responsibilities included collaborating with a diverse team of professionals, including urban designers, landscape architects, and infrastructure specialists, to create a unified vision and operational features for this groundbreaking project.				
01/12 - Ongoing	UCSF Transportation Consulting San Francisco, CA Project Manager Since 2012 - and formally as UCSF’s on-call transportation consultant since 2017 - Eric has led a diverse portfolio of land use and transportation initiatives across the Parnassus Heights campus, from master planning and environmental review to curb management and mobility-technology workshops. Over the years, his work has included the Parnassus Heights campus update (including EIR outreach), the inaugural “Future Proofing Workshop” on emerging transportation trends, the Parnassus Curb Management Plan, and ongoing analyses of UCSF travel trends and TDM/parking strategies in response to shifting travel patterns. Today, he’s collaborating with design and construction teams to weave the New Hospital and Research and Academic Buildings into the campus fabric while improving the Parnassus Avenue travel experience.				
03/15 – 03/17	Stanford University Sustainable Transportation Strategy Development Stanford, CA Project Manager Eric helped to develop a strategic transportation vision for Stanford University. Stanford wished to determine which TDM and parking strategies, multimodal enhancements, transit improvements, etc. could best be coupled with Stanford’s mission to aid it in growing in a responsible and sustainable way. The effort included the identification and evaluation of short-, medium-, and long-term transportation programs and strategies in five distinct but complementary areas. This effort began with a benchmarking effort of similar universities or service providers for each of the above areas, continued with intense rounds of brainstorming, evaluation, and screening with internal Stanford stakeholders, and concluded with the identification of programs and strategies for Stanford to pursue.				
07/16 – 03/18	San Francisco Travel and Loading Demand Update San Francisco, CA Project Manager				


	<p>Eric led a Fehr & Peers Team that collaborated with the City of San Francisco to conduct the first citywide, data-driven study of how land use development interacts with curbside loading, and then developed a framework to estimate future curb demand in San Francisco. The study drew upon 24-hour observations of approximately 20 passenger and commercial loading zones combined with travel surveys, in order to fill in the details as to how loading activity occurs on the streets of San Francisco. This loading activity includes passengers in TNCs and private vehicles, traditional deliveries, and deliveries from new app-based on demand services. The developed framework provides a new foundation for how both existing land uses and new development can plan for and accommodate changing loading demand for a variety of contexts. A key output of the framework is number of loading spaces required to satisfy demand by land use type (residential, commercial, retail, etc.) and by time period.</p>
05/17 – 07/18	<p>Future of the Curb Studies San Francisco, CA and Cincinnati, OH Principal-in-Charge</p> <p>Eric served as Principal-in-Charge of the Fehr & Peers team that worked with Uber on two innovative studies, first in San Francisco and later in Cincinnati. Both curb studies combined observational and analytical results to illustrate the productivity of multiple modes. To do this we developed a new metric, Curb Productivity Index, or CPI. The CPI was used in combination with location-specific (commercial or bike corridor, downtown, etc.) design templates to develop strategies to improve the productivity of the curb. While the San Francisco study resulted in an approach and strategies that are applicable to any city, the Cincinnati study was more location-specific, tackling some of the most challenging safety, circulation, and curb issues the City faced.</p>
02/18 – 08/18	<p>UCSF Future Proofing White Papers San Francisco, CA Project Manager</p> <p>Eric led a Fehr & Peers team that worked with University of California, San Francisco (UCSF) to develop a series of white papers to educate key decision makers on emerging transportation technologies and trends, such as transportation network companies (TNCs) (e.g., Uber, Lyft), autonomous vehicles (AVs), and autonomous delivery technologies. The white papers assessed these trends impacts on vehicle trips, parking demand, and curb demand at the university.</p>

Staff Experience:


Firm employed by Fehr & Peers Inc.					
Name	Alex Sarno		Years of relevant experience with this employer		3
Title	Transportation Planner		Years of relevant experience with other employer(s)		3
Degree(s) / Years / Specialization		MA / 2022 / Urban Planning MA / 2022 / Public Policy BA / 2016 / International Studies			
Active registration number / state / expiration date		N/A			
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities		Alex will serve as Strategic Planning – Use Case / Land Use for this contract. Alex Sarno is a transportation planner with expertise in transportation policy, Advanced Air Mobility (AAM), and environmental policy. Internally at Fehr & Peers, Alex leads the AAM research group and has spearheaded Fehr & Peers internal research on the state of the AAM industry and led the development of products to serve AAM clients.			
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
08/24-06/25	Confidential Advanced Air Mobility Project California Lead Planner Alex led several tasks for the confidential AAM project which involved identifying and 3D modeling vertical takeoff and landing (VTOL) flight paths, designing several iterations of vertiports per the latest Federal Aviation Administration’s (FAA) vertiport and helipad design guidance, and reporting on the state of the industry to help the client make informed decisions about infrastructure investments.				
10/22-01/24	Supernal Urban Air Mobility Project Los Angeles County, CA Lead Planner Fehr & Peers supported Supernal in establishing a vision for integrating AAM into the existing transportation ecosystem in Los Angeles. For this project, Fehr & Peers completed a data-driven site suitability analysis for potential vertiport locations, developed a set of visual journey-maps to articulate the connections between the AAM flight and the first and last mile from origin to destination, and authored an Implementation Requirements Study that provided clarity on the regulatory, policy, safety, design, first/last mile considerations for vertiport and AAM implementation.				
06/24-01/25	LA Metro On-Call, Climate Emissions Study & VMT Target Setting Los Angeles County, CA Lead Planner Lead Planner. Building on the VMT scenario planning work, Alex led the analysis to update Metro’s GHG emissions displacement calculation methodology related to VMT for their 2025 Climate Action and Adaptation Plan (CAAP) which involved using the California Air Resource Board’s (CARB) Emission Factors (EMFAC) Model.				
01/23-12/23	Southern California Infrastructure Suitability Tool Fehr & Peers Lead Developer To facilitate the vertiport network site suitability analysis, Alex developed a GIS-based tool that leverages five separate big data sources and dozens of publicly available datasets to identify favorable site conditions for vertiport implementation. The tool allowed Fehr & Peers to expedite data processing and provided more time for the client to assess the conditions of potential sites. The tool features transportation services and infrastructure, economic, and demographic data that are useful for technologies beyond vertiports.				
08/24-06/25	Marina del Rey Comprehensive Plan, Mobility and Parking Assessment Marina del Rey, CA Project Manager The LA County Department of Beaches and Harbors is preparing a comprehensive plan for Marina del Rey, an unincorporated marina with public access to open-water facilities, parks, and more. Fehr & Peers oversees the mobility and parking assessment, and Alex is the project manager. In his role he is providing direction for how to advance equitable accessibility, and identifying opportunities to consolidate parking areas to maximize public benefit of the area.				

03/25-06/25	<p>Los Angeles Department of Transportation 2028 Olympics and Paralympics Corridors Los Angeles, CA Task Lead</p> <p>Fehr & Peers is conducting a study on curb ramps and sidewalk conditions along 28 miles of select roadways. Alex was the GIS task lead for the data collection and synthesis process, which involved developing mobile GIS applications to facilitate collection of over 4,500 records, an Excel-based site prioritization tool, and a web-based map to showcase data of interest to project partners.</p>
02/25-03/25	<p>Confidential Media Headquarters Siting Analysis Phase 1 Los Angeles, CA Lead Planner</p> <p>Fehr & Peers is assisting a confidential major media entity with exploring options for relocating their headquarters within the Los Angeles area. As lead planner, Alex coordinated a multifaceted operations analysis which included projecting turn movement count changes on roadways of interest, assessing potential congestion exposure, and estimating VMT and commute time changes.</p>
12/23-06/24	<p>Cudahy Strategic Visioning Implementation Plan Cudahy, CA GIS Task Lead</p> <p>As a subconsultant, Fehr & Peers authored the City of Cudahy's Transportation Equity Study. As the lead analyst, Alex was in charge of developing equitable mobility metrics which elucidate current multimodal trends occurring in and around Cudahy. The study and its metrics will be used to guide the city's equity-oriented transportation investments, with particular attention paid to the upcoming LA Metro Southeast Gateway rail line.</p>
01/24-04/24	<p>Downtown Los Angeles Mobility Investment Plan Los Angeles, CA GIS Task Lead</p> <p>Fehr & Peers worked with the City of Los Angeles Department of Transportation (LADOT) to develop the Downtown Los Angeles Mobility Investment Program (DTLA MIP) – a comprehensive list of projects and programs developed through a community first engagement process and compilation of the DTLA 2040 Community Plan and other planning documents. Alex led the completion of the final deliverables including the StoryMap, financial plan, and final report.</p>


Staff Experience:

Firm employed by Stantec Consulting Services Inc.					
Name	Patrick Luce		Years of relevant experience with this employer		7
Title	Senior Economist		Years of relevant experience with other employer(s)		4
Degree(s) / Years / Specialization		Masters / 2015 / Economics Bachelors / 2013 / Economics and Finance			
Active registration number / state / expiration date		N/A			
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities		<p>Patrick will serve as Strategic Planning – Economic Strategist for this contract. Patrick Luce helps clients pierce through the noise and focus on the data and indicators that provide clarity. He tailors each economics analysis to the specific audience and industry, using proven forecasting techniques to identify key trends and deliver strategic insights that support informed decision-making. Luce has conducted financial and economic analyses for a wide range of private and public sector clients and has presented to C-suite executives, elected officials, and the general public. He serves as a leading voice for Stantec's Market Economic Insights and Solutions team, is a faculty member in economics at the University of Tampa, and an Economics Research Fellow at the Institute for Strategic Policy Solutions. He has been featured on Money Life with Chuck Jaffe, published in professional journals and periodicals, and has spoken at hundreds of events centered on economic outlooks.</p>			
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
10/24-03/25	Patrick served as project manager, economist, and financial consultant for the Florida Department of Transportation's (FDOT) planned 20-mile I-4 corridor expansion. To support long-term planning, he led the development of a 50-year financial modeling tool that allows FDOT to test cost escalation scenarios, funding strategies, and project timelines under varying economic conditions. The tool enhances decision-making and helps ensure projects are delivered efficiently and with minimal disruption.				
1/21-12/21	Patrick Luce served as the economic consultant for a classified port real estate and infrastructure project, delivering targeted economic impact analyses, industry overviews, and real estate pro forma that overviewed the entire process of land acquisition, development, and as-completed. His work provided critical insight into market conditions, investment feasibility, and long-term economic implications, helping guide strategic planning and development decisions for high-value assets in a sensitive and competitive environment.				

Staff Experience:


Firm employed by STV Incorporated					
Name	Lori Pepper		Years of relevant experience with this employer		1
Title	South-Central Mobility Technology Solutions Leader		Years of relevant experience with other employer(s)		24
Degree(s) / Years / Specialization		Associate / 2015 / Applied Science, Paralegal Studies Certificate / 2021 / Data Analytics Meta Skills			
Active registration number / state / expiration date		N/A			
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities		Lori will serve as Strategic Planning – DOT Organizational Management for this contract. Lori is a mobility technology professional with nearly 25 years of experience fostering stakeholder relationships and supporting the creation of transportation policies to ease the movement of people, goods, and services, and to provide people access to expanded mobility options and economic opportunities. She is supporting public and private sector clients in STV's South-Central region, as well as companywide, to integrate technologies such as intelligent transportation systems (ITS), digital roadway infrastructure, connected and automated vehicles, electric vehicle infrastructure deployment, broadband deployment, connected cities, and advanced air mobility (AAM).			
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
11/19-08/22	CalSTA AV Strategic Framework Deputy Secretary for Innovative Mobility Solutions Led the development and implementation of the Autonomous Vehicles Strategic Framework for the California State Transportation Agency. The planning document reflects the collaborative effort of multiple state agencies and stakeholders to envision how to integrate autonomous vehicles into the state's transportation system.				
03/20-07/20	CalSTA Mobile Hot Spot Playbook Program Lead/Author Planned and launched a 60-day pilot program in Sacramento, CA, to provide reliable broadband service for California students and residents who did not have access to it at the beginning of the COVID-19 pandemic. Lori coordinated with the City of Sacramento, the Sacramento Regional Transit District, and broadband service providers to equip 10 transit buses with free wireless hotspots in communities with limited high-speed Internet access. She also authored the Mobile Hot Spot Playbook outlining the steps the California State Transportation Agency took in piloting the program, along with lessons learned.				
06/23-02/24	Caltrans Advanced Air Mobility Feasibility and Readiness Study Deputy Secretary for Innovative Mobility Solutions Directed the development of an RFP to secure a consultant to study the feasibility and readiness of the California Department of Transportation to implement advanced air mobility infrastructure. The study, which will also include a 3-year prioritized work plan, aims to document the findings and guidelines to assist other state and local agencies with AAM integration.				

Staff Experience:


Firm employed by Stantec Consulting Services Inc.					
Name	Eric Plapper, AICP		Years of relevant experience with this employer		2
Title	Principal		Years of relevant experience with other employer(s)		12
Degree(s) / Years / Specialization		MCRP / 2013 / City and Regional Planning BA / 2010 / History			
Active registration number / state / expiration date		AICP No. 33312 / N/A / 3/31/2026			
Year registered	2021	Discipline	N/A		
Contract role(s) / brief description of responsibilities		Eric will serve as Infrastructure –Energy Assessment Specialist for this contract. Eric has led engagement, feasibility assessment, and siting analysis for energy infrastructure projects across the country. As part of these projects, he has supported the development of Stantec's ZEVDecide infrastructure mapping tool, which incorporates land use, transportation, utility, and demographic datasets to site charging and refueling infrastructure. He has also helped clients secure more than \$100 million in grant funding from a wide range of federal programs.			
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
10/23-12/24	Electric Vehicle (EV) Infrastructure Implementation, City of Baton Rouge, LA Technical lead for project to prioritize sites for EV charging infrastructure and develop discretionary grant application. Project components included projection of future EV demand, detailed mapping of utility infrastructure, and a detailed demographic analysis to identify the best sites for EV charging.				
06/24-Present	Transportation Electrification Roadmap, City of New Orleans, LA As a subconsultant to Jones Lang LaSalle, project manager for Stantec's scope which includes analysis to recommend locations for EV charging infrastructure and development of zero emission transition recommendations for public and private fleets operating within the City of New Orleans.				
09/23-Present	SMART Grant Program Management, City of Shreveport, LA Project manager for federal grant to evaluate automated on-demand transit system. Led successful grant application and subsequent program management contract. Tasks include public and stakeholder engagement, mobility-as-a-service feasibility analysis, designation of new on-demand zones, and supporting systems engineering deliverables. Project also includes workforce development and training program for emerging technologies.				
02/25-Present	Fleet Conversion and Community-wide EV Charting Plan, Los Alamos County, NM Project manager for scope to assess the County's fleet and infrastructure to meet emission reduction goals and New Mexico Clean Car Rule sales targets. The project includes a comprehensive analysis of readiness for public charging infrastructure including identification of where upgrades will be needed in the utility network. Additionally, the study includes a comprehensive modeling of the County's fleet and facilities.				
01/24-04/25	Northern Virginia Interagency On-Route Charging Planning Assistance, National Renewable Energy Lab (NREL) Program manager for NREL contract to provide on-call technical assistance to transit agencies and school districts. Led study to evaluate opportunities for shared charging infrastructure in Northern Virginia. Project included literature review of shared fast charging infrastructure operating models; review of the fleet transition plans for Fairfax Connector, Arlington Transit, DASH, and WMATA; collection and analysis of vehicle routing data; development of recommended locations for shared charging; and development of capital and operating cost comparisons between shared vs. dedicated charging infrastructure.				
04/24-09/24	EV Roadmap, City of Miami, FL				

	Project manager for task that included adoption forecasting for a range of scenarios, geographic information system analysis, EV charging equipment site identification and selection, estimated greenhouse gas reductions, and recommendations to enhance equity. Supported the City in preparing a federal discretionary grant application to fund portions of the plan's recommendations.
01/23-09/24	EV Infrastructure Plan, Town of West Hartford, CT Eric was the technical lead for this project to develop an EV plan for a suburban community in Connecticut. Tasks included an assessment of EV supply equipment (EVSE) business models; analysis of anticipated EV demand; site suitability based on utility infrastructure; and development of enabling policy such as zoning code. Supported the Town in preparing a federal discretionary grant application to fund portions of the plan's recommendations.
03/22-12/22	North Dakota EV Infrastructure Plan, North Dakota DOT Served as charging task lead for development of statewide EV plan for North Dakota. Led team of utility planners, GIS experts, data analysts and modelers, and transportation engineers to assess infrastructure availability, projected market penetration, and site selection factors for siting charging infrastructure. Developed and applied scoring criteria for interchanges. Conducted outreach to investor-owned, municipal, and rural cooperative utilities to refine recommended locations.
06/20-02/21	EV Infrastructure Master Plan, Florida DOT Served as policy task lead to develop the policy framework for increasing the adoption of EVs and supporting charging infrastructure throughout the state. This process included a review of other policies and plans throughout the country, formulated into a set of priorities the State of Florida will need to address support EV adoption.
08/19-12/20	Wireless Power Transfer Program Management, Florida DOT Task order lead responsible for supporting Florida DOT in evaluating and implementing wireless power transfer (inductive charging) projects. Tasks included background research, the development of use cases, GIS mapping to identify projects, the development of cost estimates for funding requests, and scoping of four implementation projects. Facilitated outreach to public agencies in Florida, vendors, industry organizations, and research partners to scope projects.

Staff Experience:



Firm employed by Stantec Consulting Services Inc.					
Name	Rebecca Leitschuh, AICP		Years of relevant experience with this employer		3
Title	Infrastructure Resilience Leader		Years of relevant experience with other employer(s)		15
Degree(s) / Years / Specialization		MS / 2009 / Urban Planning and Policy BA / 2004 / Theatre			
Active registration number / state / expiration date		Certified Planner #025496 / N/A / 03/2026			
Year registered	2012	Discipline	Planning		
Contract role(s) / brief description of responsibilities		<p>Rebecca will serve as Infrastructure - Resilience Lead for this contract. Rebecca is a certified planner with broad experience in hazard mitigation and climate adaptation, risk assessment, emergency management, land use planning, outreach, and project management. She's held positions in local, state, and federal government in hazard mitigation, community development, and disaster recovery roles. She leverages her experience to help communities across the country overcome barriers and advance resilience. She has been a leader on numerous local initiatives, including floodplain management, multi-hazard mitigation, disaster recovery, land use planning and historic preservation. In her tenure with FEMA, Rebecca developed regional-level programs in hazard mitigation planning and worked side-by-side with local, state, and tribal stakeholders in six states. As a planning and zoning manager, Rebecca directed and supervised the implementation of all matters related to planning, code enforcement, and land development activities. Her strengths include translating technical material into palatable formats for decision support, leading stakeholder engagement efforts, and drafting actionable implementation policy to make programs and processes more efficient, equitable, and useful.</p>			
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
05/03-01/25	<p>Kansas Resilience Improvement Plan, Kansas, Project Manager</p> <p>Vulnerability Assessment and Resilience Improvement Plan for transportation assets across the state. Rebecca's role as project manager is to facilitate and support all tasks within the project scope. The goal of the project is to develop a set of priority projects that are eligible for federal funding through PROTECT using a risk-based evaluation of transportation assets that are vulnerable to the impacts of climate change. The scope of work includes data collection and GIS mapping of assets across the state as well as natural hazards and climate change projections; meaningful public and stakeholder engagement in compliance with Justice40; and project identification and prioritization to be developed with the DOT and stakeholders.</p>				
01/24-Ongoing	<p>Connecticut Resilience Improvement Plan, Connecticut DOT, Technical Lead</p> <p>As technical lead for the Connecticut Department of Transportation's first statewide vulnerability assessment and resilience improvement plan, Rebecca manages the technical team's delivery of quality products. The goal of the plan is to develop a set of priority projects that are eligible for federal funding through PROTECT using a risk-based evaluation of transportation assets that are vulnerable to the impacts of climate change. The scope of work includes data collection and GIS mapping of assets across the state as well as natural hazards and climate change projections; meaningful public and stakeholder engagement in compliance with Justice40; and project identification and prioritization to be developed with the DOT and stakeholders.</p>				

Staff Experience:

Firm employed by Stantec Consulting Services Inc.					
Name	Josh Schacht		Years of relevant experience with this employer		1
Title	Transit/Zero Emissions Advisory Consultant		Years of relevant experience with other employer(s)		7
Degree(s) / Years / Specialization			Advanced Certificate / 2025 / Applied Urban Science and Analytics Management Information Systems / 2017 / Computer Science		
Active registration number / state / expiration date			N/A		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities			<p>Josh will serve as Infrastructure – Policy Analyst for this contract. Josh uses his background in data and technology to support state and local governments in creating safer and more equitable transportation systems. He brings experience from the City of Alexandria, Virginia, where he built and managed the Smart Mobility Program. He was responsible for piloting and creating policy guidance around new and emerging transportation technologies, including autonomous vehicles, near miss detection, and smart infrastructure management. Josh also has extensive federal grant funding experience from his role managing NSF’s Civic Innovation Challenge, which funded teams of cities and universities to pursue rapid deployments of new mobility technology. At Stantec, Josh supported Louisiana’s first Connected Autonomous Vehicle Innovation Day and serves as the technical lead on projects related to better curb use, charging infrastructure, and transit service.</p>		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
05/25 – Ongoing	<p>SporTran SMART Grant SporTran EMPOWER (Equitable Mobility, Public Outreach, Workforce Education, and Resilience) Josh serves as the deputy project manager for this USDOT SMART Grant. He is coordinating the project management plan and the systems engineering management plan, and supporting the Mobility-as-a-Service Feasibility plan. The project is focused on employing autonomous shuttles for on-demand transit access, as well as developing a curriculum to support the AV and EV workforce.</p>				
05/25 – Ongoing	<p>San Luis Obispo Regional Transit Authority Bus Charging & Electrification Study San Luis Obispo, CA Josh serves as the technical lead for this project, conducting deep power and energy modeling to determine opportunities for electric buses to make SLORTA’s fleet more sustainable. This includes data analysis of on-route charging data and visualization of vehicle efficiencies on different bus routes.</p>				
04/25 – Ongoing	<p>Grand Rapids Parking Study Grand Rapids, MI Josh is the project manager and technical lead for this project. He developed a model to process parking inventory in Grand Rapids and massive amounts of occupancy data for public and private lots. Using this model, Josh supports the parking study with evidence-based insights on parking needs and how the city can improve its curb use.</p>				
02/25 – Ongoing	<p>Los Alamos County Fleet Conversion Plan and Community-Wide EV Charging Plan Los Alamos, NM Josh is the technical lead on this project, using his skill set in GIS mapping and Python scripting to derive the optimal locations for public EV chargers in Los Alamos based on land use and community-identified priorities. He also supports the fleet conversion effort, using PowerBI to analyze existing conditions of buses to determine needed infrastructure improvements.</p>				
02/25 – 05/25	<p>Louisiana DOTD Connected Autonomous Vehicle Innovation Day Baton Rouge, LA Josh supported the state of Louisiana’s first-ever CAV Innovation Day, which brought industry and government leaders to Baton Rouge to explore the state’s role in embracing new transportation technology. Josh coordinated all logistics for this showcase event, designed and moderated a panel on AV Freight, and built deep relationships with the companies that attended including Waymo, Kodiak, and Derq.</p>				


05/23 – 06/24	Pedestrian Safety: Near Miss Detection Alexandria, VA As Program Manager for this project, Josh designed a pilot study to deploy and test several competing near miss detection devices at a single intersection in Alexandria. Deployed in partnership with the Virginia Tech Transportation Institute, this project yielded deep insights into the safety of one intersection, and also provided crucial evidence about the effectiveness of different tools in Alexandria's local context.
07/23 – 06/24	Transit Signal Priority Alexandria, VA Josh served as Project Manager for this project, and advanced the goal of improving the city's TSP deployment. Alexandria is served by two transit providers: a local bus service called DASH and the regional transit agency WMATA. Both agencies deployed redundant but incompatible TSP technologies throughout the city, and Josh worked to unify the two agencies under a single shared cloud-based TSP solution. With a single source of data, the team was able to analyze key service data to improve access and reliability of bus travel.
04/23 – 06/24	Autonomous Vehicle Permitting and Data Sharing Alexandria, VA Josh worked as the Smart Mobility Program Manager for the city, and was tasked with developing a road map for integrating autonomous vehicles into the transportation system. Josh explored examples of other cities' approach to AVs and developed a plan for creating a permit process for automated robotaxis. He focused on data sharing agreements between the city and the companies to ensure the alignment of AV operation with the goals and priorities of the local community.
01/2020 – 03/23	Civic Innovation Challenge Washington, DC Josh served as Program Manager for the Civic Innovation Challenge, which is a NSF-funded research and action competition that supports teams of cities and universities in deploying 1-year, \$1 million pilot projects focused on urban mobility and resilience. He was responsible for helping cities see themselves as eligible applicants for a grant from a federal agency that historically funds universities. He supported cities and universities in their partnerships, providing guidance on how to use the strengths of each organization in a rapid deployment.

Staff Experience:

Firm employed by Community Air Mobility Initiative (CAMI)					
Name	Clint Harper		Years of relevant experience with this employer		5
Title	Airport Planning & Operations Consultant		Years of relevant experience with other employer(s)		26
Degree(s) / Years / Specialization		Graduate Certificate / 2018 / Urban Design Masters / 2017 / City & Metropolitan Planning BS / 2016 / Urban Ecology AAS / 2008 / Aviation Management AAS / 2008 / Instructor of Technology			
Active registration number / state / expiration date		N/A			
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities		Clint will serve as the Safe Systems Integration – AAM Operations specialist for this contract. He meets the Minimum Personnel Requirements (MPRs) #4. He is a leader in airport operations and infrastructure planning, with 26 years of aviation experience spanning airfield management, statewide airport system planning, and advanced air mobility (AAM), including eVTOL, drones, and unmanned aerial systems. He specializes in assessing key issues that come with the integration of AAM into the transportation system, including aviation infrastructure considerations, local government and public coordination, regulatory frameworks, and economic strategies. Clint is dedicated to empowering stakeholders through education and collaboration, and fostering informed decisions for sustainable aviation growth. A sought-after speaker, he has presented at global events including the American Association of Airport Executives, Helicopter Association International, SMART-Airport Tech, and the AIRTAXI World Congress. He was a 2023 eVTOL Insights AAM Power Book Inductee. He also coauthored: <i>Applying and Testing the ASTM F3673 – 23 Weather Standard Specification for Enhanced Safety and Efficiency in eVTOL and Helicopter Operations</i> , amongst other publications.			
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
03/20-Present	CAMI Consulting Partnership				
03/09 – 03/13	USAF Special Use Airspace Management Course, United States Air Force, Keesler AFB, MS Developed and taught the USAF’s Special Use Airspace Management Course, training personnel on procedures for managing restricted airspace volumes and corridors. The curriculum emphasized shared use coordination, scheduling, and operational deconfliction—skills directly transferable to AAM corridor planning and integration into the NAS.				
06/19 – 10/19	UAS Aerial Corridor Traffic Simulator, Utah Department of Transportation, Salt Lake City, UT Provided planning and scenario inputs for a state-sponsored simulator assessing unmanned aircraft systems (UAS) and eVTOL traffic along low-altitude aerial corridors. Supported analysis of airspace capacity constraints and operational assumptions for future autonomous aircraft routing.				


06/20 – 02/21	Vertiport Site Selection & Land Use Study, Utah Department of Transportation, Salt Lake City, UT Led eVTOL vertiport siting strategy that considered obstacle clearance, ground risk buffers, and airspace overlays for multiple candidate sites. This work bridged land use planning with three-dimensional airspace integration to inform infrastructure placement in support of AAM, including considerations around different layers of government and jurisdictional considerations.
04/22 – 09/22	Vertiport Feasibility Study, Urban Movement Labs / Los Angeles Department of Transportation, Los Angeles, CA Partnered with the City of Los Angeles and the Federal Aviation Administration representatives to assess potential conversion of existing urban heliports to vertiports to support eVTOL operations. Conducted airspace feasibility reviews and helped identify urban corridors with viable approach/departure paths from eVTOLs. Also led exploration of digital infrastructure to support local airspace awareness around AAM operations.
04/23 – 04/24	NASA ATM-X Advanced Air Mobility Integration, Metis Technology Solutions, Mountain View, CA, Subject Matter Expert Provided on-demand support for community integration and stakeholder outreach needs for the ATM-X Program. Advised ATM-X leadership on the integration of stakeholder outreach into three emerging project areas involving regional air mobility, autonomous / remotely piloted aircraft, and uncrewed aircraft systems.
10/23 – 03/24	Vertiport Chicago – Heliport Airspace Risk Evaluation & Standard Operating Procedures (SOPs) Integration, Harper4D Solutions, Chicago, IL Conducted detailed evaluation of heliport operations to identify nearby airspace hazards and obstacle environments. Recommended mitigation strategies and updated SOPs to address approach/departure risks, missed approach contingencies, and low-altitude corridor conflicts.
12/24 - Present	Droneport Integration Project – Detroit Smart Parking Lab, Harper4D Solutions, Detroit, MI Advising on planning and design of a multi-use droneport facility in an urban environment to support AAM. Providing input on safe integration under Class B airspace in the absence of defined FAA standards, using analogs from heliport and eVTOL vertiport experience.
08/24 - Present	VFS & VAI Vertiport Design Working Groups, Harper4D Solutions, Nationwide Contributing member of working groups advising FAA and industry on eVTOL vertiport siting, design, and safety criteria. Inputs directly support evolving policy on airspace and ground infrastructure integration for AAM operations.

Staff Experience:


Firm employed by Fehr & Peers Inc.					
Name	Zahra Khan, EIT		Years of relevant experience with this employer	5	
Title	Transportation Engineer/Planner		Years of relevant experience with other employer(s)	0	
Degree(s) / Years / Specialization			BS / 2019 / Civil Engineering		
Active registration number / state / expiration date			EIT No. PEI40000014 / DC / N/A		
Year registered	2022	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Zahra will serve as Safe Systems Integration – AAM Integration Specialist for this contract. As a transportation analyst, Zahra brings a holistic perspective to complex technical projects. Her analytical proficiency and strong communication skills allow her to design and lead technical processes with a focus on client and community needs.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
01/24-Ongoing	Confidential Urban Development Project California Transportation Analyst Zahra has led several planning exercises and analyses for the newly envisioned urban city, dubbed “New City,” in Solano County. Her contributions include using roadway volumes and development plans to create a model for estimating New City population, utilizing this data and population output to estimate household and parking requirements, carrying out spatial analyses in ArcGIS Pro, and exploring advanced air mobility (AAM) as a viable mode of mass transportation for New City. She is also leading the multimodal operations analysis for different stages of development to understand the impact and changes needed in the region to accommodate this new development, which includes forecasting trips, planning intersections, optimizing signals and executing the analysis in Synchro and SimTraffic.				
05/23-03/24	WMATA Benefits of Transit Update & Communications Toolkit Washington, DC Lead Analyst Fehr & Peers, with partners EBP and PRR, helped WMATA research and craft a narrative around how transit has shaped the region. Our team commenced the project with a Narrative Framing Workshop, which assembled stakeholders to identify key audiences, then outline story points and research needs designed to resonate with these audiences. Working backward from the end goal—a succinct, engaging narrative on the benefits of transit—positioned us to implement a research methodology focused on crucial findings. Zahra led the technical analysis for this project, altering and running the regional travel demand model, utilizing Remix Transit to understand transit accessibility, and using GIS and Census data to quantify the impact that WMATA’s transit stations have had on how the region has developed.				
04/25-Ongoing	Friendship Heights Complete Streets Preliminary Study Washington, DC Project Manager Fehr & Peers is assisting the Friendship Heights Alliance (FHA) in exploring the impacts of a road diet near the Friendship Heights Metrorail Station in Washington, DC. Because of a variety of land uses and attractions, the Wisconsin Avenue NW corridor, in addition to automobiles, experiences heavy pedestrian, bicycle, and transit activity in this area. Zahra served as project manager. She executed a small-scale traffic impact analysis using Synchro and SimTraffic to understand delay and queueing under existing conditions, and how this may be impacted by a complete streets redesign. Zahra designed and authored the final deliverables, which included a slide deck that she presented to the FHA board to build a case for further exploration of complete street redesigns in the area.				
12/22-10/24	Gallows Road Multimodal Corridor Study Fairfax County, VA Task Lead Fehr & Peers is carrying out a comprehensive study of multimodal transportation opportunities in and around the Merrifield Suburban Center, with a focus on the Gallows Road corridor from Tysons to greater Annandale and parallel roadways, including evaluating				

	innovative and evolving technologies to enhance mobility and accessibility. Zahra led the traffic operations analysis for this study, using Synchro and VISSIM to analyze existing conditions and thematic alternatives that will be proposed by Fehr & Peers for 2045. Zahra also carried out site visits to understand operations and areas of concern.
10/24-Ongoing	<p>Safe Streets for Detroit Detroit, MI Transportation Analyst and Designer</p> <p>Fehr & Peers, as subconsultant to WSP, helped the City of Detroit develop safety enhancements for high-priority streets across the east side of the city. These enhancements were developed along the City's High-Injury network, which Fehr & Peers developed as part of Streets for People, the City of Detroit transportation master plan. Zahra developed planning-level concepts for 4 miles of streets, identifying changes to striping, traffic control, and pedestrian, biking, and transit accommodations. She assisted with facilitating a one-week design charrette where the team visited each corridor to assess operations, examine potential areas of concern, and vet initial improvement ideas with City staff. Zahra created concept designs for the corridors using the Remix Streets platform, showing how improvements would function.</p>
06/21-06/22	<p>Loudoun County On-Street Bikeway Assessment Loudoun County, VA Project Manager</p> <p>Fehr & Peers and Michael Baker are working with Virginia's Office of Intermodal Planning and Investment (OIP) to assess the state of Loudoun County's bicycle facilities. This project is part of OIP's Growth & Accessibility Planning (GAP) Technical Assistance Program. The purpose of this project is to identify gaps in the bicycle network and potential opportunities for on-street bikeways and lane repurposing. Zahra managed the project and developed a GIS algorithm that determined appropriate on-street bicycle facilities for all roadways in the project study area, based on roadway characteristics, existing and future traffic volumes, industry best practices research and client feedback. These facilities reduced level of traffic stress for bicyclists in the project study area. Zahra packaged this algorithm – or tool – for the client and developed a user guide to allow the client to execute this tool as roadway data or conditions change.</p>


Staff Experience:

Firm employed by OneSky Systems Inc.					
Name	Robert “Bob” Hammett		Years of relevant experience with this employer		5
Title	Chief Executive Officer		Years of relevant experience with other employer(s)		22
Degree(s) / Years / Specialization		BS / 1984 / Systems Engineering MBA / 1995 / Information Technology			
Active registration number / state / expiration date		N/A			
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities		Bob will serve as AAM Modeling / Simulations – AAM Simulation for this contract. Bob is a subject matter expert in UAS and AAM.			
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
12/19 - Present	CEO, OneSky Systems Inc developing UAS and AAM traffic management systems				
06/13-11/19	VP, Air Operations, AGI, delivering Air Operations Centers and Aviation Test and Evaluation software to USAF and USN				
06/06 – 05/13	VP, North America Sales, Analytical Graphics, delivering multidomain 4-D/digital twin modeling & simulation of land, air, sea, space vehicles and payloads				

Staff Experience:


Firm employed by NEXA Capital Partners LLC					
Name	Eleanor Herman		Years of relevant experience with this employer	7	
Title	President, NEXA Subsidiary UAM Geomatics		Years of relevant experience with other employer(s)	0	
Degree(s) / Years / Specialization			BA / 1981 / Mass Communications		
Active registration number / state / expiration date			N/A		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Eleanor will serve as AAM Modeling / Simulations – AAM Mapping for this contract.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
06/18-Present	Co-created and manage NEXA subscription AAM mapping and forecasting website: Urban Air Mobility: Infrastructure and Global Markets 2020-2045, www.uamgeo.com . See below.				
02/20-Present	President of new NEXA subsidiary UAM Geomatics, Inc. Subscription website www.uamgeo.com forecasting 100 cities and regions globally for AAM use cases, infrastructure and UTM costs, aircraft costs, ticket prices, up to 70 layers of AAM-related ArcGIS mapping for every city or region (airports, heliports, hospitals, electric grid, demographics, zoning, airspace, etc.). Some 100 clients including NASA, the GAO, major eVTOL manufacturers, global investment banks, and several state DOTs. Produce AAM Economic Impact Analyses for State DOTs: see below.				
10/20-04/21	State of Ohio DOT AAM Economic Impact Analysis; Technical Content Lead Worked with NEXA for prime contract Crown Consulting to prepare report forecasting through 2040 AAM cargo and passenger demand for five use cases (Regional Air Mobility, Airport Shuttle, On-Demand Air Taxi, Business Aviation, Medical), UTM and vertiport infrastructure CAPEX and OPEX, ticket prices; and Economic Impact (new jobs, increased GDP, new local, state and federal revenues.)				
06/21-09/21	State of Arkansas AAM Economic Impact Study for Walton Family Foundation: AAM Consultant, Technical Content Lead Supervised and prepared study forecasting demand for AAM cargo and passenger flights (Regional Air Mobility, Airport Shuttle, On-Demand Air Taxi, Business Aviation, Medical), UTM and vertiport infrastructure CAPEX and OPEX, ticket prices; and Economic Impact (new jobs, increased GDP, new local, state and federal revenues.)				
04/20-10/21	AAM Study for City of Toronto for Canadian Advanced Air Mobility Consortium: Technical Content Lead Examined economic and social benefits of Advanced Air Mobility use cases and drones.				

Staff Experience:

Firm employed by Fehr & Peers Inc.					
Name	Chelsea Richer		Years of relevant experience with this employer	12	
Title	Principal		Years of relevant experience with other employer(s)	3	
Degree(s) / Years / Specialization			MURP / 2014 / Urban and Regional Planning BA / 2008 / Environmental Studies & Public Policy		
Active registration number / state / expiration date			AICP No. 027878 / CA / 6/30/2026		
Year registered	2015	Discipline	Planning		
Contract role(s) / brief description of responsibilities			Chelsea will serve as AAM Modeling / Simulations – AAM Modeling for this contract. Chelsea has 15 years of experience in transportation planning. Chelsea has led Fehr & Peers’ early work in the UAM/AAM space, bringing her expertise in first/last mile planning, transportation policy and technology, and customer experience to bear on this new mode.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
10/22-01/24	Supernal Urban Air Mobility Project Los Angeles, CA Project Manager Fehr & Peers supported Supernal in establishing a vision for integrating AAM into the existing transportation ecosystem in Los Angeles. For this project, Fehr & Peers completed a data-driven site suitability analysis for potential vertiport locations, developed a set of visual journey-maps to articulate the connections between the AAM flight and the first and last mile from origin to destination, and authored an Implementation Requirements Study that provided clarity on the regulatory, policy, safety, design, first/last mile considerations for vertiport and AAM implementation.				
08/24-06/25	Confidential Advanced Air Mobility Project California Technical Advisor Chelsea has supported several tasks related to the integration of AAM into a confidential project development site which involved identifying and 3D modeling vertical takeoff and landing (VTOL) flight paths, designing several iterations of vertiports per the latest Federal Aviation Administration’s vertiport and helipad design guidance, and reporting on the state of the industry to help the client make informed decisions about infrastructure investments.				
03/17-03/19	LADOT Transportation Technology Strategy Implementation Los Angeles, CA Project Manager After adopting the transportation technology strategy Urban Mobility in a Digital Age, LADOT sought a consultant team to lead the implementation of the first set of early-action tasks identified in the plan. Fehr & Peers led an interdisciplinary team of planners, designers and data scientists to execute foundational components of the plan, including a first-of-its-kind data inventory, a six-module ArcGIS Online training for LADOT staff, and an evaluation framework to center user experience and customer service as the key outcomes for all services and activities within the Department’s control. We also developed tools to assess the potential of new partnerships and new types of programs to ensure continuity of decision-making across diverse initiatives, and to position LADOT to realize the maximum benefits from these initiatives. The Department continues to use these strategic framing tools as they implement the next set of tasks within the technology plan.				
02/20-09/20	Los Angeles Cleantech Incubator Transportation Electrification Partnership Support for EV Roadmap Development Los Angeles, CA Project Manager Fehr & Peers was part of a small advisory services team to assist the LA Cleantech Incubator (LACI) in developing their EV Roadmap for their Transportation Electrification Partnership (TEP). After two years of establishing and convening the TEP, LACI felt the need to iterate their initial roadmap to develop a stronger basis for partnership and implementation. Fehr & Peers led research, reviewed policies				


	at the local, state, and national scale, and convened a set of working groups to advance the three Roadmap focus areas: light duty vehicle transition, freight transition, and mode shift. The culmination of this project was the development and execution of a day-long TEP retreat and development of an Action Plan to help the TEP move forward on their three priorities.
10/16-10/18	<p>LA Metro Blue Line First/Last Mile Plan Los Angeles, CA Project Manager</p> <p>Fehr & Peers led a community-driven first/last mile planning process for all 22 stations along the Metro Blue Line. This project built upon the methodology established in the Metro First/Last Mile Strategic Plan to incorporate input from the communities along the Blue Line through a participatory planning process and a project team structure that included community-based organizations. The project included field assessments of the built environment through community-led walk audits, the development of the Pathway Network, generation of project ideas that address primary challenges observed and recorded by community members and the project team. The process also involved extensive community outreach, and resulted in the development of a plan that addresses the top-priority needs and projects to improve access to each station along the line. Following development of the Plan, Fehr & Peers supported Metro in the submission of four Active Transportation Program grant applications, working through feasibility assessment and concept design for 20 miles of priority First/Last Mile corridors.</p>
10/18-03/20	<p>LA Metro Understanding How Women Travel Study Los Angeles, CA Project Manager</p> <p>Developing from Metro's Women and Girls Governing Council, this first-of-its-kind study aimed to improve women's safety and comfort on transit and attract and retain women to the Metro system. To ensure a comprehensive approach that captured the diverse needs and experiences of women in LA County, Fehr & Peers led a team using an innovative, mixed-methods approach to capture quantitative data as well as qualitative data from hard-to-reach rider populations including women experiencing homelessness, women immigrants, and women with disabilities. Key partners were selected to develop and execute participant observation, focus groups, an online survey, art-based participatory workshops, and pop-up events. The final report is a graphically rich document that covers an expansive array of findings and highlights areas for Metro to explore in the next phase of implementation-focused work.</p>

Staff Experience:

Firm employed by Digital Twin Studios, LLC					
Name	Marcus Lyle Brown		Years of relevant experience with this employer		7
Title	Partner, Technician/Project Manager		Years of relevant experience with other employer(s)		15
Degree(s) / Years / Specialization		PhD, All But Dissertation / Communication & Media Studies MFA / 1996 / Performance Studies BA / 1995 / Theatre BA / 1995 / Communication			
Active registration number / state / expiration date		N/A			
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities		Marcus will serve as Web Design Enhancement / Visualization – Web Design / Digital Twins for this contract , and will serve in a project management capacity and as a strategic lead on immersive innovation, overseeing visualization content for the AAM Strategic Plan's digital portal. His responsibilities include: (1) Visualization and Content Strategy: leveraging his expertise to develop intuitive, accessible, and engaging content for the public-facing portal. (2) Training and Stakeholder Engagement: Implementing innovative VR tools to facilitate training programs and enhance stakeholder engagement across diverse user groups. (3) Digital Twin Development: Providing strategic guidance on the development of digital twin systems to support the safe and effective integration of advanced air mobility into Louisiana's airspace. Marcus provides over two decades of multidisciplinary leadership across digital media, education and public sector development. At Digital Twin Studios, Marcus leads client engagements with organizations with industry leading technology firms delivering scalable XR solutions and immersive training platforms.			
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
05/22 – Ongoing	Virtual Twin – Louisiana Solar Energy Lab UL Lafayette Lafayette, LA Project Manager Leads immersive digital twin development for the nation's 6th photovoltaic lab. Coordinates project scope and visualization objectives between mechanical engineering faculty and industry stakeholders. Oversees delivery of VR-based system used for education, workforce development and lab simulation.				
10/21 – 06/24	FDA-Aligned VR Training Experience Louisiana Department of Health Baton Rouge, LA Co-Project Manager Co-managed a statewide immersive training tool for food safety inspectors. Received Unity's "Best Public Health Solution" award at I/ITSEC conference. Oversaw stakeholder review, instructional design alignment, and final implementation.				
01/23 - Ongoing	UL Lafayette Visual Effects Program & VR Location Scouting Platform Lafayette, LA Co-Project Manager Manages the development of a visual effects product development project and a VR-based location scouting platform, funded by LED Entertainment Development Fund. The initiative aims to enhance Louisiana's position as a visual FX production hub and provide students with hands-on experience.				
03/23 - Ongoing	BRCC Film and New Media Production Program Baton Rouge, LA Technical Liaison Collaborating with Baton Rouge Community College to develop a comprehensive, career-oriented film production program based on a digital twin set at				

	the Celtic Media Centre and coordinated advisement from the International Alliance for Theatrical and Stage Employees to establish an immersive training experience aligned with industry needs.
02/23 - Ongoing	AIE Virtual Production Studio Initiative Consulted on the establishment of a virtual production studio at the Louisiana Immersive Technologies Enterprise (LITE) Center designed to visualize critical infrastructure across multi-industry applications.
06/21 – 09/22	Virgin Hotels XR Orientation Platform International Deployment Hybrid/Remote Strategic Visualization Lead Designed and directed immersive onboarding content development for Virgin Hotels, integrating ArborXR for global staff training . Served as creative producer and project liaison between XR developers and hotel operations teams. Resulted in a cross-platform orientation tool now used chain-wide.

Staff Experience:

Firm employed by Fehr & Peers Inc.					
Name	Cullen McCormick		Years of relevant experience with this employer		11
Title	Senior Associate		Years of relevant experience with other employer(s)		4
Degree(s) / Years / Specialization			Masters / 2012 / Urban and Regional Planning BS / 2007 / City and Regional Planning		
Active registration number / state / expiration date			AICP No. 34433 / DC / 12/31/2025		
Year registered	2022	Discipline	Transportation Planning		
Contract role(s) / brief description of responsibilities			Cullen will serve as Web Design Enhancement / Visualization – Visualization for this contract. Cullen designs thoughtful communications for complex and controversial projects. Over his 15 years of practice, Cullen has helped FHWA launch the Safe System Approach; authored BART and WMATA’s stories about how transit helps their communities prosper; and supported federal grant applications yielding millions of dollars to agencies like the City of Detroit and Port of Long Beach. As the leader of Fehr & Peers’ Creative Studio, Cullen guides a team of 20 designers, planners, and storytellers who extract the “so what?” from technical processes and large datasets.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
04/23–06/24	BART Role in the Region Report San Francisco Bay Area, CA Visual Communication Lead The pandemic vastly transformed where people live and work in the Bay Area. Although BART’s role has evolved in response to emerging trends, the system remains vital to the region’s success—both today and for generations to come. Fehr & Peers helped BART research and author its Role in the Region report to understand the ways that a healthy transit system nurtures all aspects of quality of life. The report examined the external forces shaping BART ridership, BART’s value to the region, and the system’s strengths, challenges, and strategic opportunities in the face of disruptive trends. Ultimately, the report builds the case for a new funding model to support BART’s enduring role in the future of the Bay Area.				
04/18–09/22	Caltrain Business Plan San Francisco Bay Area, CA Visual Communication Lead Cullen led visual communications for the Caltrain Business Plan, which defined the commuter railroad’s growth through 2040. Cullen worked alongside Fehr & Peers’ technical experts, subconsultants, and Caltrain leadership to find intuitive ways to explain service patterns, railroad operations, ridership forecasts, capital planning, and model outputs to stakeholders, decision-makers, and members of the community. The socioeconomic landscape and technical complexities of the project challenged Cullen’s team to design a communications strategy with careful attention to messaging, which played out across presentations, print materials, a website, social media, pop-up events, and public meetings.				
02/20–06/24	Sacramento Transportation Priorities Plan Sacramento, CA Visual Communication Lead The City of Sacramento has nearly \$5 billion dollars in planned transportation improvements, but only a fraction of this money to build projects. Fehr & Peers helped the City lay out a plan to invest scarce transportation resources in the priorities that Sacramentans value most. These priorities were revealed through an extensive community listening process that included an online participatory budgeting tool, communication in five languages, hundreds of comments and survey responses, and a two-month creative youth engagement program to involve them in a conversation about transportation in Sacramento. To maintain openness, the City and Fehr & Peers were intentional about creating an accessible, easy to understand Transportation Priorities Plan that uses graphics and plain language to explain				

	the need for prioritizing transportation investments, the process used to do so, and the outcomes that Sacramentans can expect in their neighborhoods.
05/23–06/24	WMATA Benefits of Transit Update & Communications Toolkit Washington, DC Project Manager Fehr & Peers helped WMATA tell its story about the myriad ways that transit helps the region prosper. Working backward from the end goal—a succinct narrative on the benefits of transit designed to resonate with key audiences—positioned our team to implement a research methodology aligned with four themes of mobility, social equity, environmental resilience, and economic prosperity. This research fed into a graphic-rich Communications Toolkit extolling the benefits that transit brings to the region through visuals, talking points, an illustrated report, and short videos. WMATA has deployed the Toolkit on Metro station information screens, through a social media blitz, and in regional conversations about transit funding.
02/22–05/23	VTA Orange Line Playbook Santa Clara County, CA Visual Communication Lead VTA's Orange Line light rail connects many of Silicon Valley's largest and fastest growing places to live, work, and play, but slow speeds limit the line's potential. The Playbook illustrates how by investing in key upgrades, VTA can optimize Orange Line service and unlock a world of potential. Fehr & Peers analyzed the speed, travel time, and reliability of light rail operations, which we used to identify major bottlenecks. The Playbook explains where and why these locations occur, and the types of strategies VTA can use to make trains operate faster and more reliably. Fehr & Peers chose the playbook approach to present a compelling visual case for why improving light rail service matters, and what local jurisdictions can do to help.
11/19–01/21	FHWA Safe System Approach Deployment Washington, DC Project Manager Fehr & Peers, ITE, Vision Zero Network, and Leidos worked with the Federal Highway Administration (FHWA) Office of Safety to develop, research, brand, and launch the Safe System Approach, the now ubiquitous paradigm for traffic safety where death and serious injury are viewed as unacceptable. To help FHWA roll out the Safe System Approach, Cullen helped create educational and promotional materials including a short video, flyer, and overview presentation, plus the Safe System “wheel” graphic commonly used to describe the approach. In addition, Fehr & Peers investigated the relationship between the Safe System Approach and existing safety funding programs like the Highway Safety Improvement Program and Strategic Highway Safety Plans.

17. Firm Experience:

Firm name	Stantec Consulting Services Inc.		Discipline(s)*	Other (Policy / Regulatory) Planning
Project name	DOTD Connected and Automated Vehicle Working Group		Firm responsibility (prime or sub?)	Prime
Project number		Owner's name	Louisiana Department of Transportation and Development	
Project location	Baton Rouge, LA		Owner's Project Manager	Rosalinda Deville
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA, 70802; (225) 379-1232; rosalinda.deville@la.gov			
Services commenced by this firm (mm/yy)	05/23	Total consultant contract cost (\$1,000's)		\$571
Services completed by this firm (mm/yy)	05/25	Cost of consultant services provided by this firm (\$1,000's)		\$480

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

Stantec led the second iteration of the CAV Working Group by aligning the national policy and regulatory, CAV deployment, and funding landscape to the existing CAV Strategic Plan. The project also led to Stantec leading the planning and organization of the first-ever CAV Innovation Day in Louisiana.



The Stantec led team supported the convening of quarterly meetings with the agency's CAV Working Group. The project focus areas included the following:

- Determining where DOTD, and each of its divisions, fits into the CAV deployment conversation through information sharing and tracking national policy and deployment developments;
- Supporting internal and external coordination around funding opportunities; and,
- Informing policy, legislative, and regulatory considerations around CAVs based on state and national developments.

In leading the Working Group, Stantec helped to guide the determination of research, policy, and operational priorities for CAVs that align with DOTD's goals and objectives for integrating intelligent transportation systems (ITS) into Louisiana's transportation system. Stantec led Quarterly in-person Working Group meetings, focused on information sharing through an online portal, supported education through speakers brought in as part of the Quarterly meetings, and fostered interactive discussion between DOTD divisions via the Working Group. The final deliverables include summaries of all meetings and actions taken during the project duration and planning and organizing the first-ever CAV Innovation and LADOTD's campus.

Staff involved:

Greg Rodriguez – Project Lead (Stantec)
 Matt Davis – Intelligent Transportation System Specialist (Stantec)
 Tara Andringa – Event Planning and Stakeholder Engagement (PAVE)
 Katelyn-Magney-Miller – Program Planning and Marketing (PAVE)
 Mike Bruce – Principal-in-Charge (Stantec)
 Josh Schacht – Analyst (Stantec)

This experience supports the following project objectives:

*Vision Development
 Regulatory Framework
 Market Analysis
 Public Engagement and Education
 Integration Plan*

Firm Experience:

Firm name	Stantec Consulting Services Inc.		Discipline(s)*	Planning
Project name	Design and Construction Services for eVTOL Charging			Firm responsibility (prime or sub?) Prime
Project number		Owner's name	Beta Technologies, Inc.	
Project location	South Burlington, VT		Owner's Project Manager	Casey Purcel
Owner's address, phone, email	1150 Airport Drive, South Burlington, VT, 05403; (617) 548-6458; cpurcell@beta.team			
Services commenced by this firm (mm/yy)	10/23	Total consultant contract cost (\$1,000's)		\$37
Services completed by this firm (mm/yy)	02/24	Cost of consultant services provided by this firm (\$1,000's)		\$37

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

BETA Technologies is at the forefront of electric aerospace innovation, developing vertical take-off and landing (eVTOL) aircraft and establishing a supportive charging infrastructure to enable more sustainable and efficient transportation. Their flagship eVTOL aircraft, Alia, is designed to operate with zero operational emissions, contributing to the reduction of greenhouse gas emissions and offering an efficient alternative to traditional aircraft. To support Alia, BETA Technologies is deploying a network of eVTOL chargers nationwide, with plans to have nearly 150 online by 2025. These chargers are multimodal and adhere to the international combined charging system (CCS) standard, ensuring compatibility with various electric vehicles.

Stantec, a global design firm, has played a crucial role in this endeavor by providing comprehensive electrical and civil engineering design services for these chargers. Their contributions include the prototype charger at BETA's headquarters in South Burlington, Vermont, located at the Burlington International Airport. Furthermore, Stantec has extended its expertise to the development of BETA's innovative "landing pad," which integrates a hotel space beneath an eVTOL landing platform, showcasing a unique blend of hospitality and advanced aviation technology. This collaboration between BETA Technologies and Stantec exemplifies the intersection of engineering excellence and environmental stewardship, paving the way for a greener future in aviation.

Staff involved:

Alexis Sanchez – Vertiports Design and Infrastructure Analysis



This experience supports the following project objectives:

*Infrastructure Assessment
Integration Plan
Modernizing Airspace*

Firm Experience:

Firm name	Stantec Consulting Services Inc.		Discipline(s)*		Other (Policy / Regulatory) Planning	
Project name	SMET Strategic Planning and Research Roadmap			Firm responsibility (prime or sub?)		Prime
Project number		Owner's name	National Academy of Sciences			
Project location	Washington, D.C.			Owner's Project Manager		Trey Wadsworth
Owner's address, phone, email						
Services commenced by this firm (mm/yy)		05/22	Total consultant contract cost (\$1,000's)			\$225
Services completed by this firm (mm/yy)		11/23	Cost of consultant services provided by this firm (\$1,000's)			\$142

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

A national organization of transportation officials formed a sub-committee focused on operations and performance of emerging technologies, System Mobility and Emerging Technologies (SMET). The Stantec Smart(ER) Mobility research and policy team was tasked with creating a strategic roadmap for SMET, complete with a 10-year strategic plan and a 2-year action plan. The process consisted of leading a project panel, stakeholder engagement, strategic plan development, gap identification, and assessing emerging transportation technologies from a department of transportation (DOT) perspective. The final plan was a strategic action plan and research roadmap for SMET to guide its growth and resource allocation.

Our comprehensive strategic planning and research effort included research on emerging mobility trends, assessing the role of data, safety and accessibility of emerging technologies, multimodal transportation, and implementation of emerging technologies, as well as a peer review survey that yielded over 150 responses from DOTs, private sector, and academic organizations across the nation. This survey was analyzed and used to detail recommendations for what emerging transportation technologies DOTs should focus on and the opportunities and challenges associated with implementation and operations.

RECOMMENDED STRATEGIC FOCUS AREAS FOR SMET

Through the research completed for this project, the following five strategic focus areas emerged for consideration by SMET and its parent and associated committees:

**Staff involved:**

Greg Rodriguez – Research and Strategy Lead

This experience supports the following project objectives:

*Vision Development
Integration Plan*

Firm Experience:

Firm name	Stantec Consulting Services Inc.		Discipline(s)*		Planning	
Project name	DOE Application Modernization and AI Readiness Planning				Firm responsibility (prime or sub?)	Sub
Project number		Owner's name	U.S. Department of Energy			
Project location	Las Vegas, NV			Owner's Project Manager	Krishnamoorthy Ramasubramian	
Owner's address, phone, email	3621 Losee Road, North Las Vegas, NV, USA 89030; (702) 295-6250; ramasuk@nv.doe.gov					
Services commenced by this firm (mm/yy)		01/23	Total consultant contract cost (\$1,000's)			\$700
Services completed by this firm (mm/yy)		09/23	Cost of consultant services provided by this firm (\$1,000's)			\$550

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

Stantec supported the Nevada National Security Site (NNSS) with a strategic planning engagement focused on preparing the organization for application modernization, cloud migration, and responsible AI adoption. This was a forward-looking, non-executional project designed to establish foundational strategies, frameworks, and governance to guide future digital transformation efforts.

Strategic Planning for Application Modernization and Cloud Adoption

Stantec developed a structured, organization-wide planning approach to modernize NNSS's legacy applications and evaluate potential paths to the cloud. Key planning activities included: Creating an application inventory and establishing assessment criteria around performance, cost, risk, and integration complexity; Recommending modernization strategies such as refactoring, rehosting, containerization, and UI/UX upgrades based on application-specific context; Outlining a rational, risk-aware framework for evaluating cloud migration opportunities and identifying when cloud deployment delivers operational or financial value; and, Highlighting supporting practices for future implementation, such as Infrastructure as Code (IaC), secure migration, and performance monitoring.

Governance and Organizational Enablement

To sustain and guide future modernization and AI efforts, we proposed the establishment of a Technology Advancement & Governance Committee (TAGC). This committee would: Define priorities, manage risks, and coordinate stakeholders across IT, legal, and business operations; Serve as the central oversight body for modernization, cloud, and AI initiatives; and, Facilitate a transparent, cross-functional decision-making environment to align technical execution with business goals.

AI Readiness Assessment

Recognizing NNSS's growing interest in AI, we conducted a comprehensive AI readiness assessment to evaluate current capabilities and outline future development needs across key dimensions.

This planning engagement delivered a clear, actionable strategic roadmap for NNSS to approach application modernization and AI adoption strategically. By focusing on governance, technical readiness, and organizational alignment, the initiative positioned NNSS to move forward with confidence and clarity when executing future modernization and AI initiatives.

Key Staff: Richard Hake, Project Manager

This experience supports the following project objectives:

*Regulatory Framework
Integration Plan*

Firm Experience:

Firm name	Stantec Consulting Services Inc.		Discipline(s)*	Other (Grant Writing / Funding)	
Project name	Shreveport Area Transit System (SporTran) SMART Grant			Firm responsibility (prime or sub?)	Prime
Project number		Owner's name	SporTran		
Project location	Shreveport, LA			Owner's Project Manager	Callie Fedd
Owner's address, phone, email	1115 Jack Wells Blvd, Shreveport, LA; (318) 673-7440; callie.fedd@shreveportla.gov				
Services commenced by this firm (mm/yy)	07/23	Total consultant contract cost (\$1,000's)			\$690
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)			\$450

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

Stantec led a successful federal Strengthening Mobility and Revolutionizing Transportation (SMART) grant application, including development of the proposed program, scope, budget, and narrative. The project includes community outreach and feasibility analysis to develop a plan to implement microtransit service. SporTran will also conduct significant workforce engagement throughout the agency to develop a training curriculum for operating and maintaining battery electric and automated transit fleet technologies. As part of the application, Stantec engaged the Amalgamated Transit Union to secure their participation, the first time the organization has supported an automated transit project. **Stantec helped secure \$1million in grant funding for the project.**

Stantec Consulting Services Inc. (Stantec) is now providing program management services to the Shreveport Regional Transit System (SporTran) in the execution of the Equitable Mobility, Public Outreach, Workforce Education, and Resilience (EMPOWER) program. As outlined in the Stage 1 Strengthening Mobility and Revolutionizing Transportation (SMART) grant application to the United States Department of Transportation (U.S. DOT), the EMPOWER program establishes the following goals:

1. Engage with the community across various neighborhoods and formats to understand transportation needs and objectives.
2. Utilize input from the community and stakeholders to design an automated microtransit service that offers vital first/last-mile connections for historically disadvantaged communities.
3. Develop a comprehensive training and certification program for automated vehicles (AVs), electric vehicles (EVs), and microtransit back office operational technologies, working with the Amalgamated Transit Union (ATU) and local college and technical school partners.
4. Document project outcomes to serve as a reference for other cities and agencies when developing their workforce and AV microtransit programs.

Key Staff:

Eric Plapper, Project Manager
Greg Rodriguez, Workforce Readiness Lead

This experience supports the following project objectives:

*Funding
Workforce Development
Public Engagement and Education
Integration Plan*

Firm Experience:

Firm name	Fehr & Peers Inc.		Discipline(s)*	Planning	
Project name	Supernal			Firm responsibility (prime or sub?)	Prime
Project number		Owner's name	Supernal, LLC		
Project location	Los Angeles, CA			Owner's Project Manager	Cara Gatdula
Owner's address, phone, email	1101 16th Street NW, Washington DC, DC 20036; 202-853-5993; cara.gatdula@supernal.aero				
Services commenced by this firm (mm/yy)	10/22	Total consultant contract cost (\$1,000's)			\$432
Services completed by this firm (mm/yy)	04/24	Cost of consultant services provided by this firm (\$1,000's)			\$432

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

Fehr & Peers supported Supernal's City Activation team in key work streams intended to help them reach go-to-market goals in Los Angeles. The project included three distinct phases of work: (1) Vertiport site suitability analysis, using a custom-built tool to evaluate vertiport suitability indicators which leveraged data from five different big data providers (2) Journey Mapping, which helped illustrate the “who” and “why” of an eVTOL trip including first/last mile assumptions, customer motivation assumptions, and associated elements to ensure a truly streamlined journey, and (3) Implementation Requirements Study, which investigated the process of bringing a vertiport from concept to reality, including information related to transportation accessibility, safety, land use compatibility, environmental reviews, and administrative approval processes.

This experience supports the following project objectives:

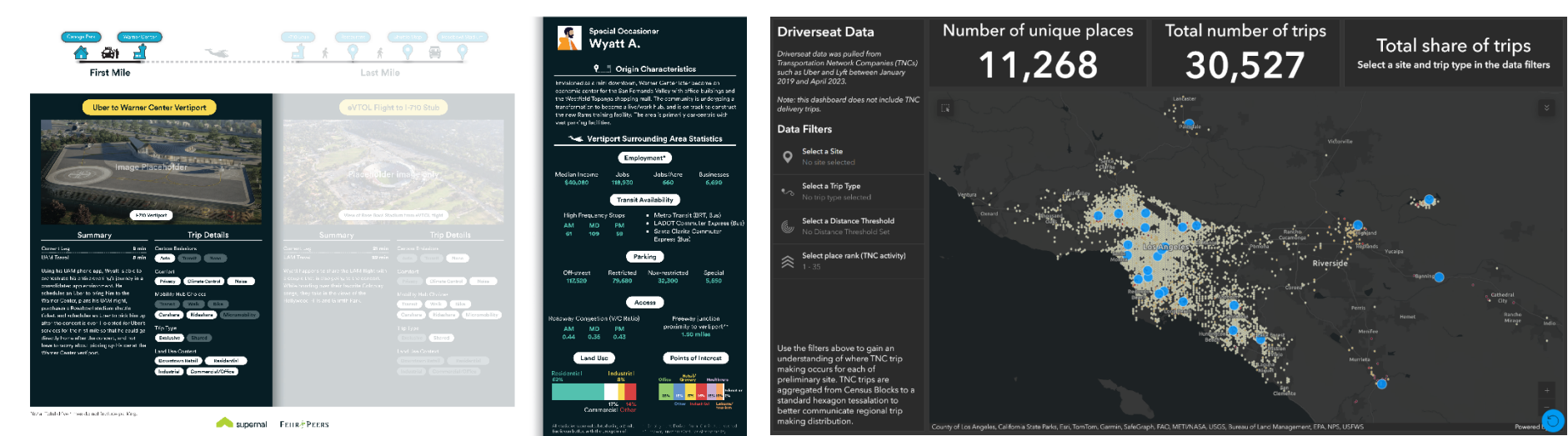
Infrastructure Assessment

Integration Plan

Modernizing Airspace System

Staff involved:

Chelsea Richer – Project Manager, Alex Sarno – Lead Planner



Firm Experience:

Firm name	Fehr & Peers Inc.		Discipline(s)*	Planning
Project name	Confidential Development Project			Firm responsibility (prime or sub?) Prime
Project number		Owner's name	Confidential	
Project location	Solano County, CA		Owner's Project Manager	Confidential
Owner's address, phone, email	Confidential			
Services commenced by this firm (mm/yy)	01/23	Total consultant contract cost (\$1,000's)		\$4
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)		\$0

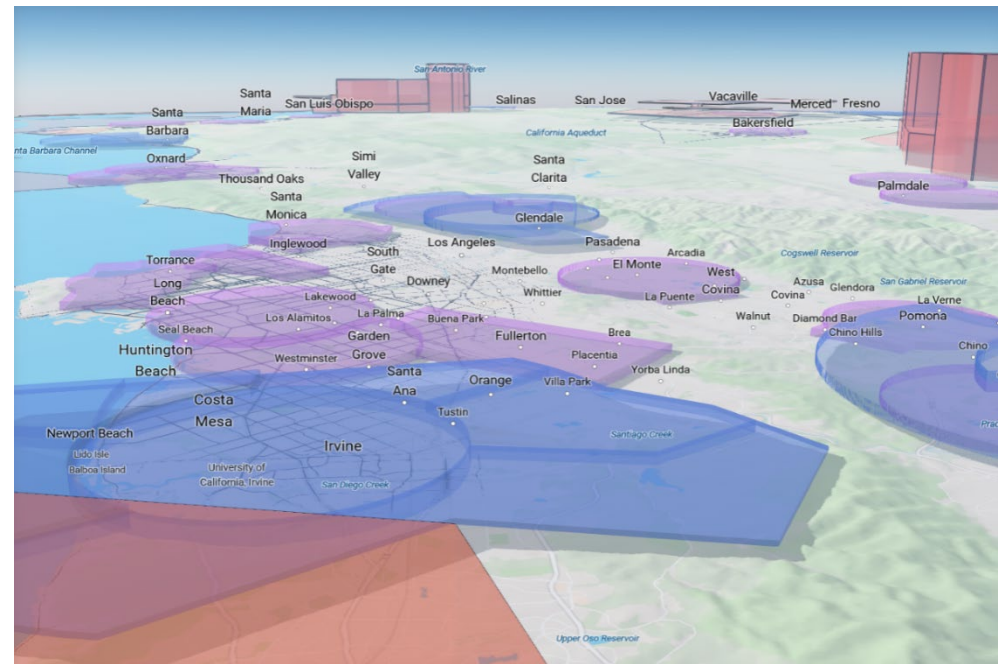
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

Fehr & Peers assisted a new city development in Solano County with the integration of AAM into their multimodal transportation network in the earliest stages of planning. This task started with an assessment of the federal and state regulatory environment, reviewing key Federal Aviation Administration (FAA) publications including the Urban Air Mobility Concept of Operations (Versions 1.0 and 2.0), the Vertiport Design Engineering Brief No. 105A, and the Innovate28 Advanced Air Mobility Implementation Plan, and key FAA regulations like the final rule on powered-lift vehicles. For the airspace viability assessment, Fehr & Peers produced a nationwide map that renders all airspace by their class and three-dimensional geometry, including special use airspace.

A market adoption assessment was conducted, examining original equipment manufacturers' (OEMs') technology and associated capacity and constraints, exploring potential economic partnerships (e.g. Department of Defense, United Airlines, UPS, etc.), and analyzing adoption trends through historical proxies. Vertiport design and throughput scenarios were developed in alignment with the latest FAA guidelines and manufacturer-specific limitations. Additionally, strategic advisory support was provided on OEM positioning, with a focus on Archer, Joby, and Supernal.

Staff involved:

Eric Womeldorff – Project Manager, Alex Sarno – Project Analyst, Chelsea Richer – Project Expert



This experience supports the following project objectives:

*Infrastructure Assessment
Integration Plan
Regulatory Framework
Market Analysis*

Firm Experience:

Firm name	Fehr & Peers Inc.		Discipline(s)*	Planning	
Project name	NCHRP Research Report 1028: State and Local Impacts of Automated Freight Transportation Systems			Firm responsibility (prime or sub?)	Sub
Project number		Owner's name	The Tioga Group		
Project location	Nationwide			Owner's Project Manager	Dan Smith
Owner's address, phone, email	P.O. Box 30458 Philadelphia, PA 19103; 925-808-1330; dsmith@tiogagroup.com				
Services commenced by this firm (mm/yy)	12/19	Total consultant contract cost (\$1,000's)			Unknown
Services completed by this firm (mm/yy)	05/22	Cost of consultant services provided by this firm (\$1,000's)			\$122

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

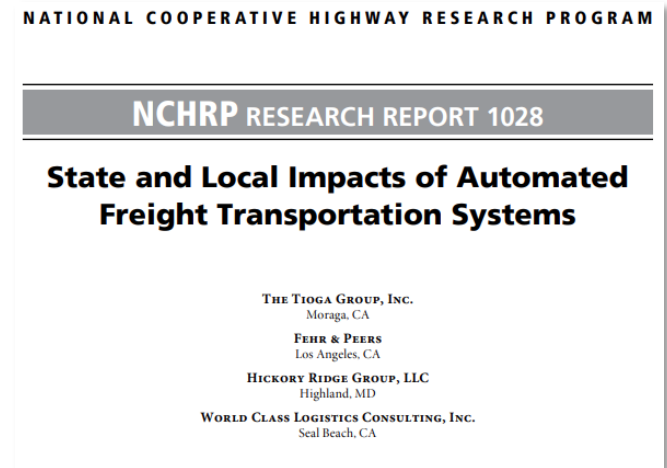
The overall objectives of NCHRP Research Report 1028 were to (1) identify potential impacts of connected and automated freight movement technologies on policies and practices, and (2) identify ways in which state and local agencies can enable these technologies. Fehr & Peers teamed with Tioga Group to carry out this research, focusing on state and local implications of freight automated vehicle (FAV) deployment. Our team developed a decision framework that may be used by state and local entities to explore and permit different stages of FAV deployment by considering automation in over-the-road freight automated vehicles (OTR FAVs), urban delivery vehicles using sidewalks and streets, and unmanned aerial vehicles (UAVs), such as delivery drones. The potential benefits and challenges of these are explored, as well as the factors that may affect deployment, such as operational design domain, net private benefits, public acceptance, and public infrastructure and regulation. Through this research, Fehr & Peers explores how these overlapping factors and competing interests overlap, and how agencies can navigate the FAV landscape to prepare for and reap the benefits of this emerging transport technology.

Staff involved:

Jolene Hayes – Project Manager

This experience supports the following project objectives:

*Vision Development
Market Analysis
Regulatory Framework
Integration Plan*



Firm Experience:

Firm name	Community Air Mobility Initiative (CAMI)		Discipline(s)*	Other – Policy / Regulatory Planning	
Project name	WSDOT Air Mobility Aircraft Plan			Firm responsibility (prime or sub?)	Sub
Project number		Owner's name	Washington State Department of Transportation		
Project location	State of Washington			Owner's Project Manager	David Ison
Owner's address, phone, email	PO Box 47300, Olympia, WA 98504; 360-890-5258; david.ison@wsdot.wa.gov				
Services commenced by this firm (mm/yy)	05/24	Total consultant contract cost (\$1,000's)			\$300
Services completed by this firm (mm/yy)	05/25	Cost of consultant services provided by this firm (\$1,000's)			\$16

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

To develop a roadmap and statewide plan for integrating AAM into Washington State's transportation system, to include recommendations for land use planning, infrastructure inventory, funding mechanisms, proposed state governance structures and regulations, and recommended policies.

CAMI served as a subcontractor to this project with the following specific responsibilities – preparation of a literature and state transportation program review; development of section on economic benefits; contributions to stakeholder engagement; development of policies; active participation on the technical advisory committee meetings; review of draft plan.

The final deliverable to WSDOT is a 100-page report currently under review by the state legislature. The report includes an introduction to advanced air mobility and its role in the broader state transportation system; an inventory and discussion of existing infrastructure and its potential to serve AAM operations; a discussion of statewide economic opportunities including complementing the existing aviation industry, supply chain planning and resiliency; establishing economic, transportation and energy corridors, and broader community economic benefits; a discussion of the regulatory and policy environment; a discussion and recommendations for public outreach and stakeholder engagement; and a policy roadmap for the state.

This experience supports the following project objectives:

*Vision Development
Regulatory Framework
Public Engagement and
Education*

Staff involved:

Yolanka Wulff
Adam Cohen

Firm Experience:

Firm name	Community Air Mobility Initiative (CAMI)		Discipline(s)*		Other – Policy / Regulatory Planning	
Project name	AAM Infrastructure Readiness Study and Work Plan			Firm responsibility (prime or sub?)		Sub
Project number	Contract 65A1004	Owner's name	California Department of Transportation (Caltrans)			
Project location	State of California			Owner's Project Manager		Nathan Loeb
Owner's address, phone, email		1120 N St, Sacramento, CA 95814; 916-387-5743; nathan.loeb@dot.ca.gov				
Services commenced by this firm (mm/yy)		06/23	Total consultant contract cost (\$1,000's)			\$200
Services completed by this firm (mm/yy)		12/24	Cost of consultant services provided by this firm (\$1,000's)			\$20

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

In order to incorporate AAM into its vision for a safe, accessible, low carbon, 21st century multimodal transportation network, Caltrans requested a study and workplan that would evaluate the readiness of the state's transportation multimodal network to incorporate AAM in a safe, sustainable, and equitable manner; and develop a three-year workplan to advance AAM at a statewide level.

CAMI served as a subcontractor to this project with the following specific responsibilities – preparation of a literature review; development of section on social equity considerations; contributions to modal facility selection criteria; development of policies; active participation on the technical advisory committee meetings; review of draft plan.

The final deliverable to Caltrans is a 100-page report which includes an introduction to advanced air mobility and its role in the broader state transportation system; an inventory and discussion of existing infrastructure and its potential to serve AAM operations; a discussion of the regulatory and policy environment; an analysis of potential funding sources for implementation and operations; a discussion of equity considerations; and a three year implementation work plan for the state.

This experience supports the following project objectives:

*Regulatory Framework
Public Engagement and Education
Workforce Development*

Staff involved:

Yolanka Wulff
Adam Cohen

Firm Experience:

Firm name	Community Air Mobility Initiative (CAMI)		Discipline(s)*	Other – Policy / Regulatory Planning
Project name	American Planning Association Planning Advisory Service 606 – Planning for Advanced Air Mobility		Firm responsibility (prime or sub?)	Prime
Project number		Owner's name	American Planning Association	
Project location	National – United States		Owner's Project Manager	Ann Dillemath
Owner's address, phone, email	200 E Randolph ST, Ste 6900, Chicago, IL 60601; 312-786-6352; ad@planning.org			
Services commenced by this firm (mm/yy)	01/22	Total consultant contract cost (\$1,000's)		\$23
Services completed by this firm (mm/yy)	03/24	Cost of consultant services provided by this firm (\$1,000's)		\$15

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

Develop a planning guidebook for the American Planning Association that provides transportation and urban planners with a solid understanding of AAM and the planning considerations that will be needed as AAM is implemented locally.

Funded by a grant from the Mineta Transportation Institute, CAMI produced a 100-page planning guidebook that was published by the American Planning Association and is available on their website. The guidebook, the first of its kind, includes an introduction to AAM with key concepts and planning considerations; a background and state of the industry; a discussion of potential challenges including operational challenges, community impacts, public perception, and community acceptance; a chapter on social equity impacts and stakeholder engagement; a discussion of vertiport infrastructure and multimodal integration; and a discussion on integrating AAM into the planning practice, including comprehensive plans, land use, local policy and regulations, public investments, and partnerships and collaboration. The guidebook includes analysis, recommendations, priority areas for research, engagement and policy, and emerging best practices. <https://www.planning.org/publications/report/9286262/>

This experience supports the following project objectives:

*Regulatory Framework
Public Engagement and Education
Integration Plan
Infrastructure Assessment*

Staff involved:

Yolanka Wulff
Adam Cohen

Firm Experience:

Firm name	Partners for Automated Vehicle Education (PAVE)		Discipline(s)*	Other (Web Design / Webinars)
Project name	Development of an IOO-Industry Forum for AV Tech Knowledge Transfer			Firm responsibility (prime or sub?) Prime
Project number	ODOT 37462	Owner's name	Ohio Department of Transportation, on behalf of the AV Pooled Fund	
Project location	Washington, DC		Owner's Project Manager	Nick Hegemier
Owner's address, phone, email	1980 W. Broad Street, Columbus, OH 43223 (614) 387-4099 Nick.Hegemier@dot.ohio.gov			
Services commenced by this firm (mm/yy)	06/22	Total consultant contract cost (\$1,000's)		\$300
Services completed by this firm (mm/yy)	06/26	Cost of consultant services provided by this firm (\$1,000's)		\$200

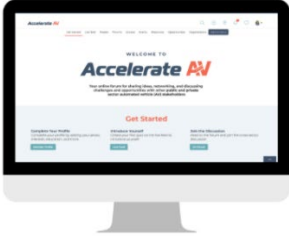

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

To help facilitate collaboration on CAV technology between the public and private sectors, the AV Pooled Fund hired PAVE to build a collaborative online forum for all AV stakeholders.

The AV Pooled Fund is comprised of the DOTs from Texas, Ohio, Minnesota, Michigan, Colorado, Connecticut, Maryland, Pennsylvania and Virginia. The states hired PAVE for a 4-year contract to build an online forum on which AV stakeholders could collaborate and exchange non-proprietary information. PAVE designed a three-phase approach, as follows 1) **Forum Concept Development:** PAVE designed a survey to assess desired functionality of the forum and built a database of hundreds of stakeholders to receive the survey.

AccelerateAV.org is a free online forum developed to facilitate communication and collaboration between the public sector and other automated vehicle stakeholders.

The forum is supported by the AV Pooled Fund, a group of state DOTs that teamed together to align the needs of the AV Industry with the abilities of the states to assist with those needs.

PAVE analyzed the survey results, including holding focus groups to acquire more detailed data, and with that data, designed a forum concept to meet the needs and requirement of prospective users. 2) **Forum Design and Communications Strategy Development:** PAVE developed a comprehensive communications strategy, including developing a user-friendly web platform, designing compelling branding and marketing materials, and writing clear and concise messaging. 3) **Forum Launch:** PAVE led a successful launch of the platform, including



This experience supports the following project objectives:

Public Engagement and Education

recruiting hundreds of participants, conducting extensive outreach, overseeing the forum launch, and creating a long-term mitigation and iteration plan.

Staff involved: Tara Andringa (Project Manager) | Katelyn Magney-Miller (Communications lead)

Firm Experience:

Firm name	Partners for Automated Vehicle Education (PAVE)			Discipline(s)*	Other (Web/Digital)	
Project name	PAVE Virtual Panel Series				Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name		N/A		
Project location	Washington, DC			Owner's Project Manager	N/A	
Owner's address, phone, email		N/A				
Services commenced by this firm (mm/yy)		04/20	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)			N/A

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

To expand the conversation about automated vehicle technologies to the public, PAVE has run an award-winning series of webinars for five years, covering broad topics related to automated transportation.

This experience supports the following project objectives:

Public Engagement and Education

Since PAVE launched the virtual panel series in 2022, we have hosted over 125 panels and garnered more than 30,000 live registrants and another 42,000 views on YouTube. In 2022, PAVE won a national communications award from TRB for the panel series, selected for providing outstanding educational content.

The panels help to demystify AV technology and discuss changes the technology could bring to our communities. The panelists represent all aspects the AV space, including

industry leaders, public sector officials, academics, consumer advocates, and more. The conversations are intended to stimulate public dialogue about future technologies and give the public the facts and information they need to join the conversation about the future of transportation.

PAVE manages all aspects of the panel production, including topic generation, securing panelists, organizing logistics, writing content, recruiting audience members, editing, and marketing.

Staff involved: Tara Andringa (Project Manager) | Katelyn Magney-Miller (Communications lead) | Greg Rodriguez (Panel Speaker)

The graphic features the PAVE logo at the top left. Below it, the text reads "VIRTUAL PANEL" in a blue box, followed by "Open for Innovation: Leveraging Public + Private Partnerships to Advance CAV Technologies". To the right, under the heading "FEATURING", are three circular headshots of the panelists: Greg Rodriguez (Stantec), Josh Fleig (LED), and Tara Andringa (PAVE).

Firm Experience:

Firm name	Partners for Automated Vehicle Education (PAVE)			Discipline(s)*	Other: (Web Design / Webinars)	
Project name	U.S. AV Jobs Coalition				Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name		N/A		
Project location	Washington, DC			Owner's Project Manager	N/A	
Owner's address, phone, email		N/A				
Services commenced by this firm (mm/yy)		07/24	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)			N/A

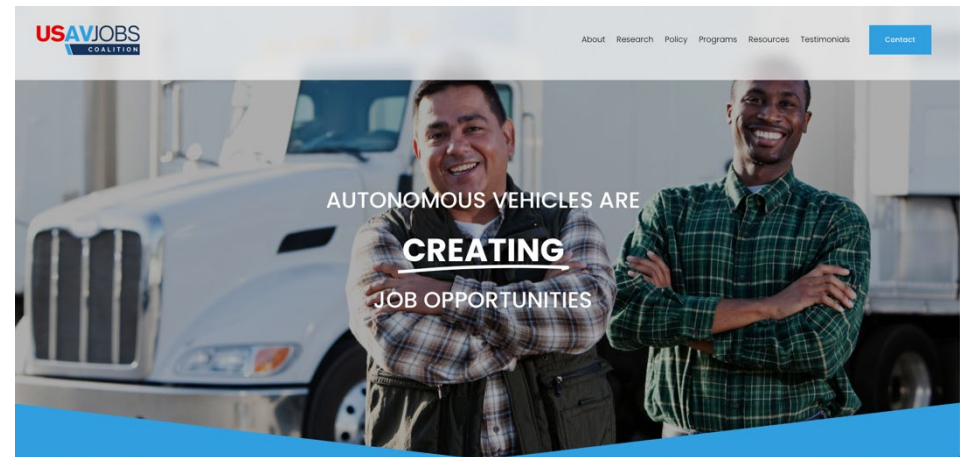
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

In an effort to help communicate the positive effect that autonomous vehicles can have on the U.S. job market and economy, PAVE launched the U.S. AV Jobs coalition, uniting broad stakeholders across the AV ecosystem.

To launch the coalition, PAVE recruited a broad group of stakeholders to unite in a common mission. PAVE staff designed the website, created messaging and marketing materials, advertised the launch of the group, compiled research, assembled conference sessions and events, and maintained communications with stakeholders about ongoing plans.

PAVE has ensured that the website is kept up-to-date with current research and initiatives, and we maintain a social media presence for the coalition to keep stakeholders engaged and to recruit new partners.

Staff involved: Tara Andringa (Project Manager) | Katelyn Magney-Miller (Communications lead)



This experience supports the following project objectives:

*Public Engagement and Education
Workforce Development*

Firm Experience:

Firm name	Digital Twin Studios, LLC		Discipline(s)*		Other (Web Design/Webinars)	
Project name	Louisiana Department of Health Food Safety Orientation Training / Assessment			Firm responsibility (prime or sub?)		Prime
Project number	2000711175	Owner's name	Louisiana Department of Health			
Project location	Baton Rouge, LA			Owner's Project Manager		Greg Richard
Owner's address, phone, email		628 N. 4 th Street, Baton Rouge, LA 70802, (225) 342-9500, greg.richard@la.gov				
Services commenced by this firm (mm/yy)		01/20	Total consultant contract cost (\$1,000's)			\$390
Services completed by this firm (mm/yy)		07/24	Cost of consultant services provided by this firm (\$1,000's)			\$390

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

Digital Twin Studios served as the lead design and development firm for a suite of immersive and interactive food safety training modules in partnership with the Louisiana Department of Health (LDH). The project involved the end-to-end development of Modules 1–4, each addressing critical Tier 1–4 food safety violations using both Virtual Reality (VR) and PC delivery platforms. The team employed the ADDIE and SCRUM frameworks to guide instructional design and project management.

The modules were designed to rapidly accelerate technical proficiency of LDH field inspectors by simulating hazardous food environments, enabling recognition and response training in a risk-free, high-fidelity virtual ecosystem. The work culminated in the deployment of these modules across state platforms and devices (e.g., Meta Quest 2).

Staff involved:

Marcus Lyle Brown – Project Manager & Instructional Designer

Brett Stelly – Lead Developer (VR/PC development)

Chris Cruz – Lead Technical Artist (Environment & UI/UX Visualization)

This experience supports the following project objectives:

Public Engagement and Education

Firm Experience:

Firm name	NEXA Capital Partners LLC		Discipline(s)*		Other – Economic Impacts	
Project name	State of Ohio AAM Business Case Assessment			Firm responsibility (prime or sub?)		Sub
Project number	NEXA-ODOT-002	Owner’s name	Crown Consulting			
Project location	Ohio			Owner’s Project Manager		Shahab Hasan
Owner’s address, phone, email		1530 Wilson Boulevard, 9th Floor, Arlington, VA 22209, (703) 650-0663, info@crownci.com				
Services commenced by this firm (mm/yy)		10/20	Total consultant contract cost (\$1,000’s)			\$500
Services completed by this firm (mm/yy)		06/21	Cost of consultant services provided by this firm (\$1,000’s)			\$250

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

The State of Ohio Department of Transportation (ODOT), Office of Statewide Planning and Research, commissioned a \$500,000 study titled “**Infrastructure to Support Advanced Autonomous Aircraft Technologies in Ohio**” which was delivered in June 2021. The consulting team was led by Crown Consulting, NEXA, and the University of Cincinnati. This report forecasts the industrial and economic benefits of AAM systems and services through the year 2045. For this project, NEXA Subsidiary UAM Geomatics, Inc., led by **Eleanor Herman**, provided geospatial mapping and analysis of all relevant geographic features for the State of Ohio (airports, heliports, hospitals, zoning, demographics, major employers, major cargo routes, current transportation options, etc.). NEXA subsidiary NEXA Advisors provided business case studies for urban air mobility and advanced air mobility use cases developed therein. NEXA Advisors also performed in-depth economic impact analysis of job creation opportunities for the State of Ohio.

Michael Dymant provided program guidance with respect to the bottom-up business case development of AAM to ensure that the overall ecosystem for AAM would become a resilient and self-funding PPP model for Ohio's economic benefit. **Phillip Dymant** developed and maintained the rigorous financial and business case models overlayed to the ArcGIS infrastructure datasets. **Tulinda Larsen** brought expertise as a PhD Transportation Economist to ensure that the IMPLAN analysis of jobs forecasted expected job creation and also expected incremental local, state and federal tax revenue. **Eleanor Herman** synthesized geospatial data, research, and economic modeling into the NEXA technical report.

This experience supports the following project objectives:

*Economic Impact
Infrastructure Assessment
Workforce Development*

Firm Experience:

Firm name	NEXA Capital Partners LLC		Discipline(s)*		Other – Economic Impacts	
Project name	State of Virginia Advanced Air Mobility Economic Impact Analysis			Firm responsibility (prime or sub?)		Prime
Project number	VIPC Contract Number: C-23-025-NCP	Owner’s name	Virginia Innovation Partnership Corp.			
Project location	Virginia			Owner’s Project Manager	David Ihrie	
Owner’s address, phone, email	313 East Broad Street., Richmond, VA 23219, (703) 689-3000, David.Ihrie@VIPC.org					
Services commenced by this firm (mm/yy)		09/22	Total consultant contract cost (\$1,000’s)			\$250
Services completed by this firm (mm/yy)		01/23	Cost of consultant services provided by this firm (\$1,000’s)			\$250

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

NEXA Advisors conducted an Economic Impact Analysis (EIA) for the State of Virginia through the Virginia Innovation Partnership Corporation on the introduction and operations of Advanced Air Mobility (AAM) from 2023–2045. The State was interested in Minimum Viable Infrastructure (MVI)— the least complex, lowest-cost set of physical, digital, and regulatory infrastructure elements necessary to safely and efficiently initiate AAM operations in a defined region—focused on enabling early services while remaining scalable and adaptable for future growth. To ensure economic viability without burdening taxpayers, NEXA identified four key AAM supply chains—ground infrastructure (vertiports and their associated systems), UTM, aircraft, and operators—estimating associated costs and revenues. Virginia's passenger demand was then assessed across five major use cases—airport shuttle, regional, business, medical, and on-demand—to determine if eVTOL services could be sustained at reasonable ticket prices, supporting all supply chains and forming a viable business case. Cargo eVTOL demand, modeled separately, focused on rapid delivery of time-sensitive goods statewide. NEXA subsidiary UAM Geomatics, led by **Eleanor Herman**, provided some sixty layers of geospatial mapping of AAM-relevant state features. NEXA Advisors developed business case studies and performed economic impact analysis on job creation. **Michael Dymant** guided the bottom-up business case for a resilient, self-funding PPP model. **Phillip Dymant** and team built and maintained the financial and business case models integrated with Virginia's ArcGIS infrastructure data. **Eleanor Herman** held stakeholder meetings with government, industry, and academic representatives, and worked closely with subject matter experts in economics, business case analysis, and GIS to **synthesize** all material into a unified, accessible final report.

This experience supports the following project objectives:

*Economic Impact
Infrastructure Assessment
Market Analysis*

Firm Experience:

Firm name	NEXA Capital Partners LLC		Discipline(s)*		Other – Economic Impacts	
Project name	State of Utah Advanced Air Mobility Economic Impact Analysis			Firm responsibility (prime or sub?)		Prime
Project number	PD 810 2560000039	Owner’s name	Utah Department of Transportation			
Project location	State of Utah			Owner’s Project Manager	Paul Damron	
Owner’s address, phone, email		135 North 2400 West, Salt Lake City, UT 84116, (435) 592-5139, pdamron@utah.gov				
Services commenced by this firm (mm/yy)		08/24	Total consultant contract cost (\$1,000’s)			\$150
Services completed by this firm (mm/yy)		02/25	Cost of consultant services provided by this firm (\$1,000’s)			\$150

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

NEXA Advisors conducted an Economic Impact Analysis (EIA) for the State of Utah Department of Transportation to evaluate the introduction and scalability of Advanced Air Mobility (AAM) from 2025 through 2045. With Utah aiming to have AAM operational by the 2034 Winter Olympics, the analysis focused on building a self-sustaining, publicly beneficial ecosystem without relying on taxpayer funding. NEXA conducted some 70 layers of ArcGIS geospatial mapping and analysis including new layers detailing the state's robust energy industry (refineries, underground storage, processing plants, oil fields, mines, power plants, and pipelines.)

NEXA identified four essential AAM supply chains—ground infrastructure (vertiports and their associated systems), UTM, aircraft, and operators—and projected their associated costs and revenues. NEXA then assessed statewide passenger demand across **six** primary use cases—airport shuttle, regional, business, medical, on-demand, and tourism—to determine market feasibility and price sensitivity. The client requested NEXA create a tourism forecasting model as the sector is a major economic driver in Utah with many helicopter operators flying tourists over the state's distinctive landscapes and attractions. Cargo eVTOL demand was modeled independently, prioritizing fast delivery of time-critical goods to all regions of the state. Geospatial work was led by NEXA subsidiary UAM Geomatics, directed by **Eleanor Herman**, and mapped key infrastructure features, including a complete ArcGIS layer of Utah's oil and gas facilities, to inform safe corridor planning and operational readiness. NEXA Advisors prepared business case studies and job creation forecasts to support investment and policy decision-making. Strategic program guidance was provided by **Michael Dymant**, who helped structure the analysis around a resilient, self-funding public-private partnership (PPP) model. **Phillip Dymant** and team developed integrated financial and business case models overlaid with ArcGIS datasets.

The client asked NEXA to conduct dozens of interviews with AAM stakeholders to ensure that the state's unique culture, capabilities, and priorities were reflected in the final economic report, alongside forecasts and figures. **Eleanor Herman** and **Tulinda Larsen** conducted interviews with 64 public- and private-sector stakeholders across Utah—the Governor's Office, Office of Economic Development, Office of Tourism, state legislators, numerous mayors, town council members, Medevac operators, the Petroleum Association, fire fighters, the ski industry, the film commission, chambers of commerce, aerospace, workforce development organizations, aircraft part manufacturers, and insurance executives. **Eleanor Herman** worked across disciplines to ensure technical accuracy and capture Utah's unique characteristics in the report.

This experience supports the following project objectives:

*Economic Impact
Infrastructure Assessment
Market Analysis*

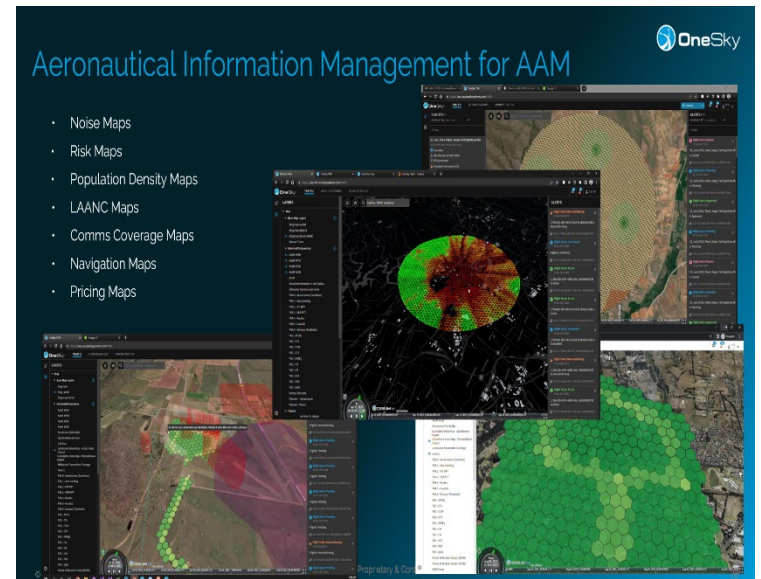
Firm Experience:

Firm name	OneSky Systems Inc.		Discipline(s)*	Planning Other (Web Design / Webinars)
Project name	Korea AAM Grand Challenge			Firm responsibility (prime or sub?) Sub
Project number	Phase 0,1,2,3	Owner's name	Korea Aeronautical Research Institute (KARI) (Project Mgr. for MOLIT)	
Project location	Geohung & Seoul, South Korea		Owner's Project Manager	Dr. Kyung-ryun Oh
Owner's address, phone, email	169-84 Gwahak-ro, Yuseong-gu, Daejeon, S. Korea; bigoh@kari.re.kr			
Services commenced by this firm (mm/yy)	02/22	Total consultant contract cost (\$1,000's)		\$1,562
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)		\$219

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

The Korea UAM Grand Challenge is a government-led initiative aimed at advancing Urban Air Mobility (UAM) in South Korea. The program, launched by the Ministry of Land, Infrastructure and Transport (MOLIT), is designed to coordinate industry players—including aircraft developers, airspace designers, and air traffic management operators—to develop and test UAM technologies. The goal is to commercialize UAM services in central cities by 2025. The program includes major corporations like SK Telecom, KT, LG, Daewoo, Lotte, Hyundai Motor Group, Korean Air and Joby Aviation. OneSky has deployed its Urban Air Traffic Management System (UATM) to the UAM test bed in South Jeolla Province, supporting test flights in Goheung. A second system has now been deployed to Seoul where vertiports will be built at public buildings like hospitals and firefighting stations, with fixed corridor routes. The challenge aims to validate safety, airspace management, and vertiport operations, ensuring a seamless integration of UAM into South Korea's transportation ecosystem.

The program is supported by OneSky's onsite ATM Software Developer TaeYoung Shin, Head of Asia Pacific Pelwinderpal Singh, Head of Development Chris Corridoni, Project Manager Marshall Jen, and CEO **Bob Hammett**.



This experience supports the following project objectives:

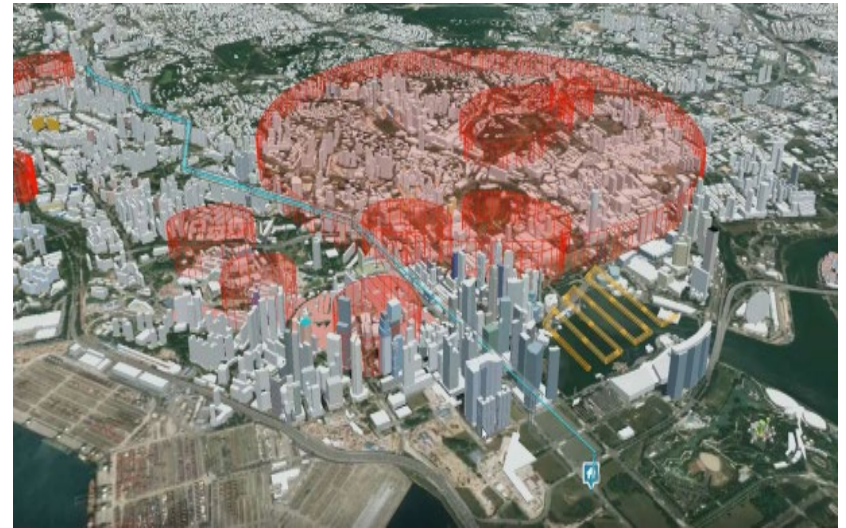
Modernizing Airspace System

Firm Experience:

Firm name	OneSky Systems Inc.		Discipline(s)*	Planning Other (Web Design / Webinars)
Project name	FAA UAM Demonstrator			Firm responsibility (prime or sub?) Sub
Project number	Phase 1 and 2	Owner's name	Embry Riddle Aeronautical University (Project Manager for FAA)	
Project location	Hollister Municipal Airport; FAA Technical Center, NJ		Owner's Project Manager	Rob Deboth
Owner's address, phone, email	1 Aerospace Blvd, Daytona Beach, FL 32114, 386-226-7353, debothr@erau.edu			
Services commenced by this firm (mm/yy)	03/23	Total consultant contract cost (\$1,000's)		\$401
Services completed by this firm (mm/yy)	11/24	Cost of consultant services provided by this firm (\$1,000's)		\$302

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

The FAA UAM Airspace Management Demonstration (UAMD) was a program designed to test and validate Urban Air Mobility (UAM) airspace concepts in collaboration with industry partners. The initiative focused on demonstrating how UAM operations could be integrated into the National Airspace System (NAS). To enable industry collaboration, the FAA worked with companies like Aurora Flight Sciences (a Boeing subsidiary), Reliable Robotics, and OneSky to conduct live test flights. For the first phase, live test flights were flown that included optionally piloted aircraft flying a 20-mile corridor between St. Martin and Hollister airports in California. The second phase was conducted with simulated test flights at the FAA Technical Center in Atlantic City. The program tested UAM corridors, traffic flow management (TFM), and cooperative flow management (CFM) to ensure safe operations leveraging UAM Traffic Management Systems provided by OneSky and Anra. The tests validated real-time information sharing between air traffic controllers, UAM operators, and service providers.

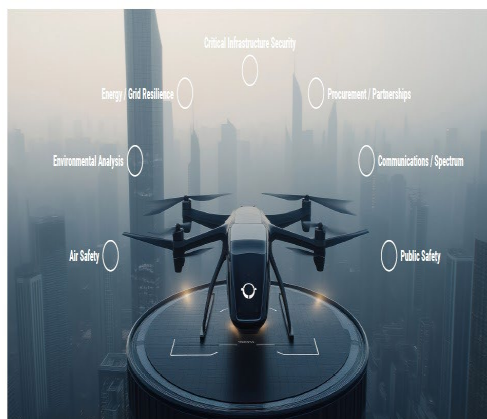


Key participants included OneSky Aerospace Engineer Kevin Ten Eyck, Senior Software Developer Steve Gantz, Head of Development Chris Corridoni, Project Manager Marshall Jen, and CEO **Bob Hammett**.

This experience supports the following project objectives:

Modernizing Airspace System

18. Approach and Methodology:



Project Understanding

Transformative technologies like AAM come with new and untested regulatory and risk considerations, but also present an opportunity to rethink multi-modal approaches for passenger and goods movement. Our proposal is backed by a team with leading project experience and qualifications to work through the important steps that will come with this complex project, including: Aligning use cases with operational and regulatory considerations; integrating the airspace safety and operational considerations that come with AAM in corridors with many low altitude aircraft; leveraging industry relationships to right-size strategic recommendations; ensuring the economic development opportunities and supply chain considerations are understood; and, leveraging visualization to support important outreach and education to not just support testing and deployment, but also ensure decision-maker and legislative buy-in and positioning for partnership and funding opportunities.

In consideration of the complexity of this project with its various workstreams that support the safe and effective integration of AAM into the Louisiana airspace system, we understand the importance of merging planning, analysis, and strategic considerations with the critical infrastructure considerations that will come with the deployment of AAM solutions across

various use cases. ***Stantec will be able to leverage its skillsets across the different workstreams, integrate its design and engineering experience across airport infrastructure, and then leverage the leading experience of our project partners to deliver a successful project around a transformative and timely transportation innovation.***

A Team with Leading Innovation Experience

As demonstrated with our Organizational Chart, we have carefully curated a team that addresses the various scopes of services and supporting workstreams included in the advertisement. Due to the complexity of this topic and to support efficiency from both a schedule and budget perspective, it will be critical to ensure the Project Manager is able to communicate clearly with the leads for the different Scopes of Services. This is why we have a qualified Stantec lead for almost every Scope of Service except the Web Design and Webinar Task. Stantec has successfully used this approach on other strategic planning projects with similar layers of complexity and when covering new technology forward solutions. ***You will also see at least one team member that meets a MPR in each of the core tasks identified in the organizational chart.***

Our team will be led by Greg Rodriguez, the policy advisory services lead for Stantec's Management and Technology Consulting Team. Before joining Stantec, Greg was a practicing lawyer working on large and complex transportation and infrastructure projects. Greg will be supported by Scott Hoffeld for project controls. Scott is based out of the Baton Rouge office and will be able to attend all meetings in person, in addition to supporting any environmental permitting considerations for the final strategic plan. For the recent LADOTD CAV Working Group task that Stantec led, we were able to successfully leverage hybrid meetings that did not require travel by Greg for every meeting, but still being able to leverage his subject matter experience and strategic location in Washington, D.C.

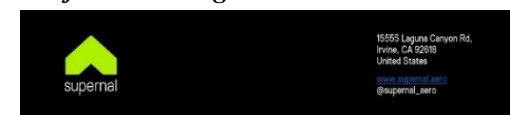
The Stantec team will be supported by a team of subconsultants with leading experience around AAM. Our team brings not just national experience, but global experience as well. Moreover, knowing the importance of getting industry feedback and buy-in around strategies and recommendations, we have already started forming a potential voluntary Advisory Committee composed of industry partners ready and willing to support this project. Letters of commitment to date include Supernal and the Coalition for Reimagined Mobility. Other AAM manufacturers and service providers are standing by to engage should our team be selected and the LADOTD project management team agrees such an approach has value.

An Innovative, Collaborative, and Adaptable Approach

Through Stantec, the team will have the important experience and understanding of working within Louisiana on a variety of transportation focused projects. ***Stantec has 40 years of project experience working with LADOTD ranging from bridge design to the most recent completion of leading Step 2 of the Connected and Automated Vehicle (CAV) Working Group, which included organizing and implementing the first ever CAV Innovation Day.***



Stantec Consulting Services, Inc.



June 13, 2025

Louisiana Department of Transportation and Development
Attn: IDIQ Selection Committee
1201 Capital Access Road
Baton Rouge, LA 70802

Re: IDIQ Contract for Strategic Plan for Louisiana Advanced Air Mobility

Dear Selection Committee,

We appreciate the strategic and forward-thinking approach Louisiana DOTD is taking around Advanced Air Mobility. Knowing the focus of this project includes industry engagement, we are glad to pledge our participation to the non-compensated Advisory Committee that is being proposed by the Stantec-led team. We look forward to supporting engagement, document review at appropriate times, and information gathering as part of the final deliverables should DOTD agree this would be valuable for the project.

Again, thank you for your leadership on this fast-moving topic.

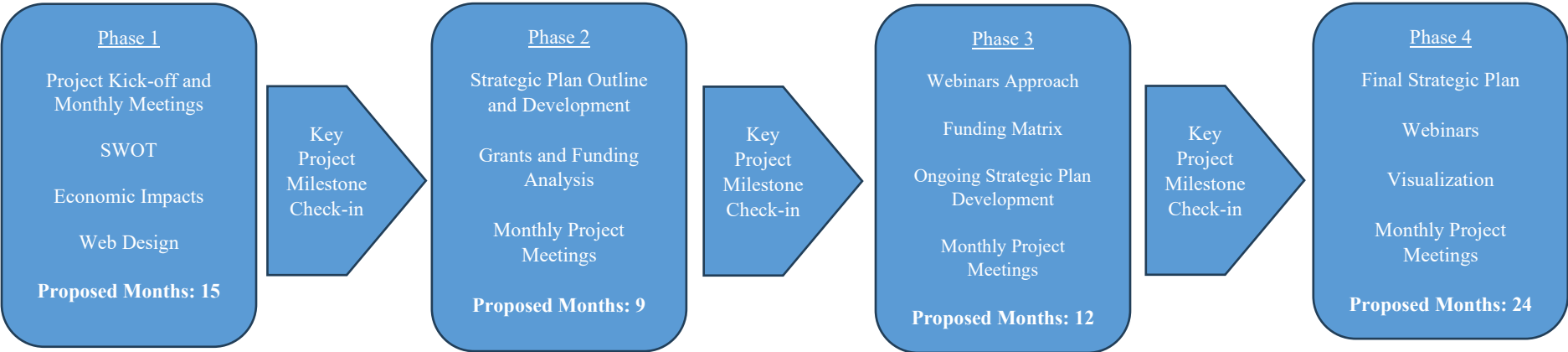
Respectfully,

Jonathon Freye
Director of Federal Affairs
Civil Certification

Jonathon Freye

Here, we have developed an approach that thinks through the completion of the different scopes in proposed Phases. Our approach envisions each Phase building off the previous and supporting the final strategic plan deliverable. We will work with the LADOTD project management team on setting up the right cadence for project meetings and then complement those meetings with project milestone meetings for review and discussion of analysis and deliverables that will support the overall strategic planning effort. (Note: We understand that these proposed Phases may not fit into the Task Order structure and budget LADOTD may have in mind and welcome revisiting and aligning with available resources. However, we hope the proposed methodology provides insight into how the different scopes of services can be completed with a corresponding conceptual schedule included below.)

Conceptual Schedule Aligning with proposed Phases



The *Phase 1* tasks provide the important foundational analyses to support the strategic planning effort, in addition to developing the external communication and visualization strategy. A key outcome of Phase 1 will be developing a proposed outline for the Strategic Plan to support moving the project forward.

Kick-off Meeting

A key part of the development of the final documents will be establishing a clear communications and deliverables review strategy. This will be an important element of our project management and quality assurance plan. During the kick-off meeting, we will develop a clear process and strategy for document sharing and DOTD project team review and approval. As noted, Stantec has a demonstrated track record of successfully delivering projects with LADOTD and has experience navigating some of the file sharing constraints that come with DOTD information technology guidelines.

Key Phase 1 Deliverables:

- Project management plan
- AAM SWOT analysis
- AAM Economic impacts analysis
- Engagement and visualization strategy
- Strategic plan outline

SWOT with AAM Integration Focus

For the SWOT analysis, the team will leverage extensive experience working on intelligent transportation systems from a safe integration perspective. This experience includes ongoing work related to the integration of technologies like artificial intelligence and connected and automated vehicles by state DOTs. The team will be able to build on the research and policy experience of the Stantec, CAMI, and STV team members. To support an additional consideration identified, Lori Pepper will also ensure the internal governance and organizational management considerations that come with AAM are being considered based on her DOT experience. This will be underpinned by a full SWOT analysis to identify enablers and inhibitors across regulatory, infrastructure, market, and technical dimensions. We will also leverage international AAM case studies and OEM interviews to strengthen the opportunity assessment and threat modeling – this is work that CAMI team members have already completed, and we will be able to leverage to realize project efficiencies. The project team will also be able to integrate its GIS experience to support the siting and routing assessment that will be a part of this Phase 1 task.

AAM Economic Impact Analysis

For the Economic Impacts Analysis, we will be able to build on the work completed during the SWOT analysis to maximize the industry engagement goals of this task. Stantec’s economics team will lead the coordination with NEXA Capital Partners. The approach will include, in general, three steps: (1) ArcGIS mapping of up to 70 layers of the state’s AAM-related assets and existing infrastructure including airports, heliports, roads, ports, zoning, demographics, hospitals, fire stations, the power grid necessary for battery recharging, oil and gas, current public transportation modes, cargo routes, major distribution centers (Walmart, Amazon, etc.), and more; (2) Analyzing the Louisiana AAM Business Case through 2045: (a) Forecasting of cargo demand and passenger demand for six use cases (Regional Air Mobility, Airport Shuttle, On-Demand Air Taxi, Business Aviation (including oil and gas), Medical, and Tourism, as well as capital and operating expenditures, revenues, number and likely locations of vertiports, and ticket prices; (b) Analysis of the “Pillars” of business activity for the four supply chains critical to AAM: ground infrastructure, low altitude ATC systems and services, eVTOL and eSTOL (electric Short Takeoff and Landing) aircraft manufacture, and service, and the AAM operators who will acquire fleets of electric aircraft to conduct passenger and cargo operations; and (c) Forecasting Louisiana’s AAM Return on Infrastructure (R/I), a key metric used to assess the sector’s potential to attract investors; and, (3) An Economic Impact Analysis (EIA) through 2045 using IMPLAN to forecast new jobs, increased productivity, and new tax revenues that will attract the attention and support of politicians, industry, investors, and the public. Further, through its work on Connected and Automated Vehicles in Louisiana, Stantec has developed working relationships with Louisiana Economic Development and is keenly aware of the ongoing innovation focused investments through LA.IO.

Web Design

The web design scope of services will be led by PAVE. As part of this task, PAVE will lead the development of a virtual communications strategy that will include development of a user-friendly web platform, recognizable branding, clear and concise messaging, and compelling engagement materials. PAVE will have the support of the Louisiana based small business Digital Twin Studios. Digital Twin Studios will be able to leverage its Louisiana knowledge and ongoing work around the development of digital twins and use of virtual reality to support outreach, education, and training. As the visualization materials discussed below as part of Phase 3 are developed, in addition to the completion of the webinars, PAVE will lead making sure the materials are organized in an effective and captivating manner to support website traffic, project visibility, and outreach around opportunities related to AAM.

Phase 2 will build off the analysis and findings of Phase 1 and will start the strategic planning process.

AAM Strategic Planning

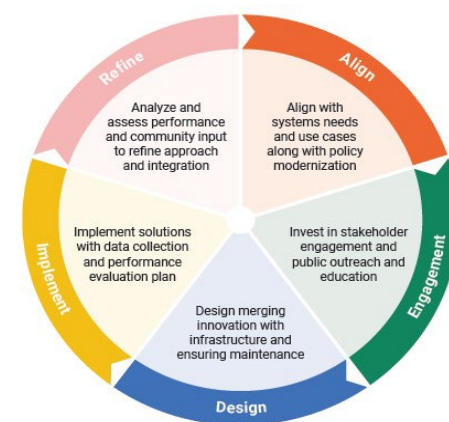
Key Phase 2 Deliverable:

Draft AAM Strategic Plan; draft will include summary of all analysis and stakeholder engagement to date.

Our approach to the AAM Strategic Plan frames the future of air mobility in Louisiana not as a static plan, but as a living transformational roadmap—one that continuously evolves through evaluating AAM use cases and pilot projects, industry feedback, cross-agency alignment, funding, and evolving governance and regulatory structures. We treat strategy as an engine for momentum, guiding investment, policy, and operations toward a shared, adaptive future state. Our technology strategy is built around three core pillars: (1) **Operational Readiness** – this includes conducting a statewide technology audit focused on digital readiness, future ready

infrastructure, and AAM-relevant operational platforms (e.g., UTM, telemetry, weather, and energy systems); (2) **Data Management** – this includes defining data architecture needs across OEM, infrastructure, siting, and regulatory stakeholders and recommending interoperability protocols for airspace visualization, battery capacity, and vehicle-to-ground communications; and (3) **Cyber & Operational Resilience** – this includes evaluating the cybersecurity standards and physical infrastructure risks, including critical and national security related infrastructure, associated with AAM systems, and building recommendations for secure, resilient, and effective operations. Important parts of our approach for this key scope of services will be:

- Leveraging the data and analysis completed as part of Phase 1 so that findings can be turned into strategic recommendations that can be vetted and tested with LADOTD team, stakeholders, and decision-makers;



- Analyzing policy, governance, and regulatory issues that come with AAM and aligning findings with federal policy, regulatory, and jurisdictional developments, industry news and advocacy, and funding and partnership opportunities;
- Putting our experienced and multi-discipline team to work to methodologically think through the opportunities and challenges around future ready infrastructure to support AAM operations, rethinking infrastructure and operations both at airports and beyond, understanding the energy demand and resilience questions that come with e-VTOL, and aligning the economic development opportunities that come not just from operations, but also potential manufacturing; and
- Merging a safe systems approach that considers the new and untested risks that come with a transformative technology like AAM.

Phase 3 seeks to turn the completed analysis and start of the strategic planning into a narrative that can be told through the website and external engagement to not only showcase the project, but also enhance opportunities for industry partnerships and funding.

Webinar Series and Visualization

PAVE will lead the development of a webinar series that complements the objectives of the project and identified opportunities and challenges as part of the SWOT analysis (as such deliverables are finalized and approved by LADOTD). PAVE and Stantec will be able to lean on their experience supporting projects through virtual convening. Additionally, CAMI has already developed virtual content around AAM that we will be able to leverage for this project. As part of the web site and webinar development, our team will also find opportunities to support those tasks with effective visualization. Our partner OneSky has created leading visualizations and simulations around AAM.

Key Phase 3 Deliverables:

- Webinar series plan and launch
- Funding matrix
- Proposed visualization and

AAM Funding and Grant Writing

For this Scope of Services, we have Mike Smejkal, one of Stantec's grant experts on our airports team leading task coordination. He will be supported by Heidi Peper from our North American Funding Program team (NAFP). Greg works closely with Stantec's North American Funding Program team and has worked to submit federal funding opportunities on behalf of LADOTD. Mike and Heidi will create a funding matrix with available funding sources, their characteristics, and their "win potential." Our team not only has the capability to support applications for winning federal and state grants, but also has the knowledge and experience curating public-private partnerships. Given the ongoing change in funding priorities at the federal level, we envision being able to develop alternative funding strategies that capture the industry interest and momentum around the deployment of AAM across various use cases. ***To date, Stantec's NAFP has secured \$8 billion in funding for clients.***

Phase 4 will take all the work done to date to finalize the strategic plan. This Phase will include focused vetting with key stakeholders and industry to ensure final strategic recommendations align with LADOTD goals and state of technology and larger economic landscape.

Final Strategic Plan

In bringing together the final strategic plan, we will merge the leading AAM experience that CAMI (policy and AAM operations), NEXA (economic impacts), Fehr & Peers (land use and siting), OneSky Systems (visualization), and Stantec (airport infrastructure and design, and funding) bring to this project.



Key outcomes for all strategic planning projects Stantec leads include the following: 1) ***Making sure our recommendations are action-oriented and able to be implemented*** - this is where our team's leading governance, legislative, and regulatory experience merge with our strong planning, engineering, and data analytics knowledge; 2) ***Ensuring our final documents are clear and approachable*** - our team has strong project qualifications around this and also has significant experience leading the knowledge transfer opportunities that will come from a cutting edge project focused on AAM integration; and, 3) ***Making sure the final documents have the needed buy-in from key decision-makers and stakeholders to garner momentum from this key foundational effort supporting the future of AAM in Louisiana*** – this is where the team's experience around public outreach and education and stakeholder coordination around emerging technologies will benefit the next steps from the completion of the project.

19. Workload:

For all contracts where a firm on the team is a prime consultant or sub-consultant and where **a)** the consultant selection was made by DOTD, and **b)** a contract was executed by the consultant and the contracting entity by the date the advertisement for this proposal was posted, list all work meeting the following criteria:

- 1) one of the team's firms is responsible for the performance of the work;
- 2) authorization to perform the work has been provided, as provided in the contract between the consultant and the contracting entity;
- 3) the work has not yet been performed and invoiced; and
- 4) the work is not currently suspended for an indefinite period of time.

For indefinite delivery/indefinite quantity (IDIQ) contracts, list open Task Orders individually.

List only the portion of the fees attributable to firms on the team.

Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
Stantec Consulting Services Inc.	Road	4400024629 H.005967.6	Nelson Road Ext. and Bridge [Calcasieu Parish, Louisiana]; Striping Pln. Changes	\$1,506
Stantec Consulting Services Inc.	Road	440004128 H.004273.5	Lafayette Regional Airport to I-10/I-49/US 167 Interchange [Lafayette Parish]; Geometric Design/Analysis	\$1,185,966
Stantec Consulting Services Inc.	Road	H.011670	Loyola Dr./I-10 Interchange to New Airport Terminal Design Build (Sub to Gilchrist Co., LLC) [Jefferson Parish]; Roadway	\$0
Stantec Consulting Services Inc.	Road	4400024461 H.012685.5	LA 385: Ryan Street Intersection Improvements [Calcasieu Parish]; Roadway Design; Drainage	\$46,754
Stantec Consulting Services Inc.	Road	4400022901 H.011094.5 & H.012005.5	LA 3094: Hearne Ave. Bridge and US 80: KCS RR Overpass (HBI) [Caddo Parish]; Roadway	\$689,082
Stantec Consulting Services Inc.	Bridge	440004128 H.004273.5	Lafayette Regional Airport to I-10/I-49/US 167 Interchange [Lafayette Parish]; Structure & Bridge	\$279,874
Stantec Consulting Services Inc.	Bridge	H.011670	Loyola Dr./I-10 Interchange to New Airport Terminal Design Build (Sub to Gilchrist Co., LLC) [Jefferson Parish]; Bridge as-built	\$0
Stantec Consulting Services Inc.	Bridge	4400022901 H.011094.5 & H.012005.5	LA 3094: Hearne Ave. Bridge and US 80: KCS RR Overpass (HBI) [Caddo Parish]; Bridge	\$784,575
Stantec Consulting Services Inc.	Bridge	4400023922 H.016311	IDIQ Contract for Bridge Preservation; LA 1123: Creek Bridges [Acadia Parish]	\$211,725

Stantec Consulting Services Inc.	Bridge	4400023922 H.016312	IDIQ Contract for Bridge Preservation; LA 3116: Creek Bridges [Acadia Parish]	\$236,278
Stantec Consulting Services Inc.	Bridge	4400023922 H.016314	IDIQ Contract for Bridge Preservation; LA 3048: Creek Bridge [Richland Parish]	\$114,343
Stantec Consulting Services Inc.	Bridge	4400023922 H.016318	IDIQ Contract for Bridge Preservation; LA 3149: Bayou Bridges [Evangeline Parish]	\$171,439
Stantec Consulting Services Inc.	Bridge	4400023922 H.016319	IDIQ Contract for Bridge Preservation; LA 542: Creek Bridges [Jackson Parish]	\$172,430
Stantec Consulting Services Inc.	Bridge	4400023922 H.016320	IDIQ Contract for Bridge Preservation; LA 3187: Creek Bridge [Evangeline Parish]	\$115,817
Stantec Consulting Services Inc.	Bridge	4400023922 H.016325	IDIQ Contract for Bridge Preservation; LA 358: Creek Bridge [St. Landry Parish]	\$115,127
Stantec Consulting Services Inc.	Traffic	440004128 H.004273.5	Lafayette Regional Airport to I-10/I-49/US 167 Interchange [Lafayette Parish]; Traffic Engineering	\$114,928
Stantec Consulting Services Inc.	Traffic	4400024461 H.012685.5	LA 385: Ryan Street Intersection Improvements [Calcasieu Parish]; Traffic Study; Signal Design	\$55,624
Stantec Consulting Services Inc.	Other (Lighting)	4400024629 H.005967.6	Nelson Road Ext. and Bridge [Calcasieu Parish, Louisiana]; Roadway & Nav. Lighting	\$34,190
Stantec Consulting Services Inc.	Other (Lighting)	440004128 H.004273.5	Lafayette Regional Airport to I-10/I-49/US 167 Interchange [Lafayette Parish]; Public Relations/Comm.; Lighting; Aviation	\$72,030
Stantec Consulting Services Inc.	Other (Lighting)	H.011670	Loyola Dr./I-10 Interchange to New Airport Terminal Design Build (Sub to Gilchrist Co., LLC) [Jefferson Parish]; Lighting	\$0
Stantec Consulting Services Inc.	Other (Lighting)	4400020064 H.014286.6	IDIQ Contract for Electrical Services; I-10: LA 26 (Jennings) Intchg Lighting [Jefferson Davis Parish]	\$65,223
Stantec Consulting Services Inc.	Other (Lighting)	4400020064 H.014272.6	IDIQ Contract for Electrical Services; I-10: LA 97 (Jennings) Intchg Lighting [Jefferson Davis Parish]	\$80,870
Stantec Consulting Services Inc.	Other (Lighting)	44-04761 H.004957.5	I-12 to Bush Corridor, LA 3241: I-12 to LA 36 (Sub to Evans-Graves Engineering, Inc.) [St. Tammany Parish]; I-12/LA 434 Lighting Project	\$5,781
Stantec Consulting Services Inc.	Other (Lighting)	4400020064 H.014287.6	IDIQ Contract for Electrical Services; I-10: LA 99 (Welsh) Intchg Lighting [Jefferson Davis Parish]	\$100,246

Stantec Consulting Services Inc.	CE&I/OV	4400024629 H.005967.6	Nelson Road Ext. and Bridge [Calcasieu Parish, Louisiana]; CE&I and Construction Support	\$359,409
Stantec Consulting Services Inc.	CE&I/OV	H.011670	Loyola Dr./I-10 Interchange to New Airport Terminal Design Build (Sub to Gilchrist Co., LLC) [Jefferson Parish]; CE&I / OV	\$49,907
Stantec Consulting Services Inc.	Right-of-Way	440004128 H.004273.5	Lafayette Regional Airport to I-10/I-49/US 167 Interchange [Lafayette Parish]; ROW Acquisition	\$69,646
Stantec Consulting Services Inc.	Survey	440004128 H.004273.5	Lafayette Regional Airport to I-10/I-49/US 167 Interchange [Lafayette Parish]; Survey	\$22,731
Stantec Consulting Services Inc.	Planning	440004128 H.004273.5	Lafayette Regional Airport to I-10/I-49/US 167 Interchange [Lafayette Parish]; Prog. Mgmt.; Context Sensitive Design Process; Impl. Strategies	\$678,474
Stantec Consulting Services Inc.	Environmental	44-23972 H.015026.2	IDIQ Contract for Cultural Resources; LA 3182 – 0.65 MI SE of LA 3182 [Iberia Parish]	\$66,587
Stantec Consulting Services Inc.	Environmental	4400023922 H.016311	IDIQ Contract for Bridge Preservation; LA 1123: Creek Bridges [Acadia Parish]	\$50,354
Stantec Consulting Services Inc.	Environmental	4400023922 H.016312	IDIQ Contract for Bridge Preservation; LA 3116: Creek Bridges [Acadia Parish]	\$41,997
Stantec Consulting Services Inc.	Environmental	4400023922 H.016314	IDIQ Contract for Bridge Preservation; LA 3048: Creek Bridge [Richland Parish]	\$42,803
Stantec Consulting Services Inc.	Environmental	4400023922 H.016318	IDIQ Contract for Bridge Preservation; LA 3149: Bayou Bridges [Evangeline Parish]	\$39,577
Stantec Consulting Services Inc.	Environmental	4400023922 H.016319	IDIQ Contract for Bridge Preservation; LA 542: Creek Bridges [Jackson Parish]	\$41,967
Stantec Consulting Services Inc.	Environmental	4400023922 H.016320	IDIQ Contract for Bridge Preservation; LA 3187: Creek Bridge [Evangeline Parish]	\$41,459
Stantec Consulting Services Inc.	Environmental	4400023922 H.016325	IDIQ Contract for Bridge Preservation; LA 358: Creek Bridge [St. Landry Parish]	\$36,352
Stantec Consulting Services Inc.	ITS	440004128 H.004273.5	Lafayette Regional Airport to I-10/I-49/US 167 Interchange [Lafayette Parish]; ITS	\$32,088

Stantec Consulting Services Inc.	ITS	4400020058 H.012374.05	IDIQ Contract for Intelligent Transportation Systems (ITS) Design and Implementation Services; I-12: Essen Ln to Walker Rd. ITS Ramp Meter Upgrades SA #1 [East Baton Rouge & Livingston Parishes]	\$0
Stantec Consulting Services Inc.	ITS	4400020058 H.013710.6	IDIQ Contract for Intelligent Transportation Systems (ITS) Design and Implementation Services; I-10/US-61 to Laplace ITS Deployment [Ascension, St. James & St. John Parishes]	\$1,145
Stantec Consulting Services Inc.	ITS	4400020058 H.001234.6	IDIQ Contract for Intelligent Transportation Systems (ITS) Design and Implementation Services; LA 1: Port Allen Canal BR REPL (PHI) (HBI) [West Baton Rouge Parish]	\$3,633
Stantec Consulting Services Inc.	ITS	4400020058 H.013261.6	IDIQ Contract for Intelligent Transportation Systems (ITS) Design and Implementation Services; I-110 ITS Deployment [EBR Parish]	\$0
Stantec Consulting Services Inc.	ITS	4400020058 H.011152.6	IDIQ Contract for Intelligent Transportation Systems (ITS) Design and Implementation Services; I-12: US 190 to LA 59 [St. Tammany Parish]	\$17,577
Stantec Consulting Services Inc.	ITS	4400020058 H.013866.6	IDIQ Contract for Intelligent Transportation Systems (ITS) Design and Implementation Services; I-12: LA 21 to US 190 [St. Tammany Parish]	\$9,168
Stantec Consulting Services Inc.	ITS	4400020058 H.003047.6	IDIQ Contract for Intelligent Transportation Systems (ITS) Design and Implementation Services; I-10: Pecue Lane/I-10 Interchange Phase III [EBR Parish]	\$16,390
Stantec Consulting Services Inc.	ITS	4400020058 H.002424.6	IDIQ Contract for Intelligent Transportation Systems (ITS) Design and Implementation Services; LA 70: Sunshine Bridge - LA 22 [St. James & Ascension Parishes]	\$5,760
Stantec Consulting Services Inc.	ITS	4400020058 H.015137.1	IDIQ Contract for Intelligent Transportation Systems (ITS) Design and Implementation Services; Bonnet Carre ITS Upgrades [St. John the Baptist, St. Charles & Jefferson Parishes]	\$0
Stantec Consulting Services Inc.	ITS	4400020058, T.O. 16	IDIQ Contract for Intelligent Transportation Systems (ITS) Design and Implementation Services; I-10 WBR Queue Warning System [Iberville & WBR Parishes]	\$31,984

Stantec Consulting Services Inc.	ITS	4400020058, T.O. 17	IDIQ Contract for Intelligent Transportation Systems (ITS) Design and Implementation Services; New Orleans Regional Arch Updates [Orleans, St. Tammany & Tangipahoa Parishes]	\$0
Stantec Consulting Services Inc.	ITS	4400020058, T.O. 19	IDIQ Contract for Intelligent Transportation Systems (ITS) Design and Implementation Services; Monroe Phase 3 SEA [Ouachita Parish]	\$0
NEXA Capital Partners LLC	Other (must specify)	HNTB Project #82779 for North Carolina DOT	Strategic General Services Consultant Limited Services Contract	\$120,883
Fehr & Peers Inc.	N/A	N/A	<i>No current/prior DOTD projects to list.</i>	\$0
STV Incorporated	N/A	N/A	<i>No current/prior DOTD projects to list.</i>	\$0
Digital Twin Studios, LLC	N/A	N/A	<i>No current/prior DOTD projects to list.</i>	\$0
OneSky Systems Inc.	N/A	N/A	<i>No current/prior DOTD projects to list.</i>	\$0
Community Air Mobility Initiative	N/A	N/A	<i>No current/prior DOTD projects to list.</i>	\$0
Partners for Automated Vehicle Education	N/A	N/A	<i>No current/prior DOTD projects to list.</i>	\$0

DO NOT SUM

20. Certifications/Licenses:

If the advertisement requires submission of licenses and/or certificates, include them here. **Otherwise, leave this section blank.**

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Print Detailed Record

Name	Type	City	Status
STANTEC CONSULTING SERVICES INC.	Business Corporation (Non-Louisiana)	ALBANY	Active

Previous Names

STANTEC CONSULTING GROUP INC. (Changed: 4/12/2005)

STANTEC CONSULTING GROUP, INC. (Changed: 4/12/2005)

THE SEAR-BROWN GROUP, INC. (Changed: 4/12/2005)

Business: STANTEC CONSULTING SERVICES INC.

Charter Number: 34554273F

Registration Date: 3/17/1997

Domicile Address

80 STATE STREET

ALBANY, NY 12207

Mailing Address

10220 - 103 AVENUE NW

SUITE 300

EDMONTON, AB, T5J 0K4

CANADA

Principal Business Office

410 17TH STREET

SUITE 1400

DENVER, CO 80202

Registered Office in Louisiana

450 LAUREL STREET, 8TH FLOOR

BATON ROUGE, LA 70801

Principal Business Establishment in Louisiana

1340 POYDRAS STREET

SUITE 1420

NEW ORLEANS, LA 701121274

Status

Status: Active

Annual Report Status: In Good Standing

Qualified: 3/17/1997

Last Report Filed: 2/18/2025

Type: Business Corporation (Non-Louisiana)

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Print Detailed Record

Name	Type	City	Status
FEHR & PEERS INC.	Business Corporation (Non-Louisiana)	WALNUT CREEK	Active

Previous Names

Business: FEHR & PEERS INC.

Charter Number: 46382919F

Registration Date: 3/14/2025

Domicile Address

100 PRINGLE AVENUE

SUITE 600

WALNUT CREEK, CA 94596

Mailing Address

100 PRINGLE AVENUE

SUITE 600

WALNUT CREEK, CA 94596

Principal Business Office

100 PRINGLE AVENUE

SUITE 600

WALNUT CREEK, CA 94596

Registered Office in Louisiana

450 LAUREL STREET, 8TH FLOOR

BATON ROUGE, LA 70801

Principal Business Establishment in Louisiana

501 LOUISIANA AVENUE

BATON ROUGE, LA 70802

Status

Status: Active

Annual Report Status: In Good Standing

Qualified: 3/14/2025

Last Report Filed: N/A

Type: Business Corporation (Non-Louisiana)

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Print Detailed Record

Name	Type	City	Status
STV INCORPORATED	Business Corporation (Non-Louisiana)	NEW YORK	Active

Previous Names

STV INCORPORATED OF NEW YORK (Changed: 5/17/2013)

Business: STV INCORPORATED

Charter Number: 36107509F

Registration Date: 1/30/2006

Domicile Address

225 PARK AVENUE SOUTH

NEW YORK, NY 10003

Mailing Address

350 5TH AVE FLOOR 10

NEW YORK, NY 10118

Principal Business Office

350 5TH AVE FLOOR 10

NEW YORK, NY 10118

Registered Office in Louisiana

201 RUE BEAUREGARD, STE. 202

LAFAYETTE, LA 70508

Principal Business Establishment in Louisiana

201 RUE BEAUREGARD, STE. 202

LAFAYETTE, LA 70508

Status

Status: Active

Annual Report Status: In Good Standing

Qualified: 1/30/2006

Last Report Filed: 12/31/2024

Type: Business Corporation (Non-Louisiana)

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Print Detailed Record

Name	Type	City	Status
NEXA CAPITAL PARTNERS LLC	Limited Liability Company (Non-Louisiana)	LEWES	Active

Previous Names

Business: NEXA CAPITAL PARTNERS LLC

Charter Number: 46491657Q

Registration Date: 5/22/2025

Domicile Address

16192 COASTAL HWY

LEWES, DE 19958

Mailing Address

1765 GREENSBORO STATION PLACE, 9TH FLOOR

MCLEAN, VA 22102

Principal Business Office

1765 GREENSBORO STATION PLACE, 9TH FLOOR

MCLEAN, VA 22102

Registered Office in Louisiana

3867 PLAZA TOWER DR., 1ST FLOOR

BATON ROUGE, LA 70816

Principal Business Establishment in Louisiana

3867 PLAZA TOWER DR., 1ST FLOOR

BATON ROUGE, LA 70816

Status

Status: Active

Annual Report Status: In Good Standing

Qualified: 5/22/2025

Last Report Filed: N/A

Type: Limited Liability Company (Non-Louisiana)

Certifications/Licenses:

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Trade Name Details

Type(s) Registered:

Registered Name:

Applicant:

Type Of Business:

Book #:

Current Status:

TRADE NAME

DIGITAL TWIN STUDIOS, LLC

KHEIRON IMMERSIVE TRAINING ENVIRONMENTS LLC

P.O. BOX 53331

LAFAYETTE, LA 70505

VIDEO GAMES AND INTERACTIVE GAMES FOR MOBILE DEVICES, PERSONAL COMPUTERS, CONSOLES, TABLETS;

68-9365

ACTIVE

Dates

Registration Date:

Expiration Date:

Date First Used:

Date First Used (in La.):

12/6/2017

12/6/2027

11/11/2017

11/11/2017

geauxBIZ.com

Partners for Automated Vehicle Education

New Business Registration (In-Process)

Last Modified: 06/13/2025

Business Type:

Select your Tax Types:

Do you have employees in Louisiana?

Is your business subject to Federal Unemployment Tax Act (FUTA) in a state other than Louisiana?

Corporation Name:

Previous Name:

Principal office address in state or country of incorporation/organization:

Principal business office address:

Principal business establishment in Louisiana:

Alerts

New business registration was submitted to the Secretary of State on 06/13/25 07:22 AM

New Business Registration was queued for processing by the Louisiana Secretary of State on 06/13/25 07:22 AM

Partners for Automated Vehicle Education
– In process with LA Secretary of State

NANCY LANDRY

SECRETARY OF STATE

State of Louisiana

Secretary of State



COMMERCIAL DIVISION

225.925.4704

Administrative Services

225.932.5317 Fax

Corporations

225.932.5314 Fax

Uniform Commercial Code

225.932.5318 Fax

Licensing/Permit Checklist

06/11/2025

Robert Hammett
220 Valley Creek Blvd, Suite 401
Exton, PA 19341

Type of Business: Air Traffic Control
NAICS Code: 488111
Business Location: Parish of East Baton Rouge / Baton Rouge

OneSky Systems Inc. – In process with LA Secretary of State

geauxBIZ
Web Order Receipt

Order #:
[Reference 10514704]
VISA
Payment Date:
6/12/2025
....9667
Requester:
yolanka@communityairmobility.org
Total Amount Charged:
\$130.00

Entity Name:
Community Air Mobility Initiative

Items:	Item	Description	Status	Cost	Qty
Agency	Louisiana Secretary of State	Original Filing	Pending	\$125.00	1
		Community Air Mobility Initiative State Fee*		\$5.00	1

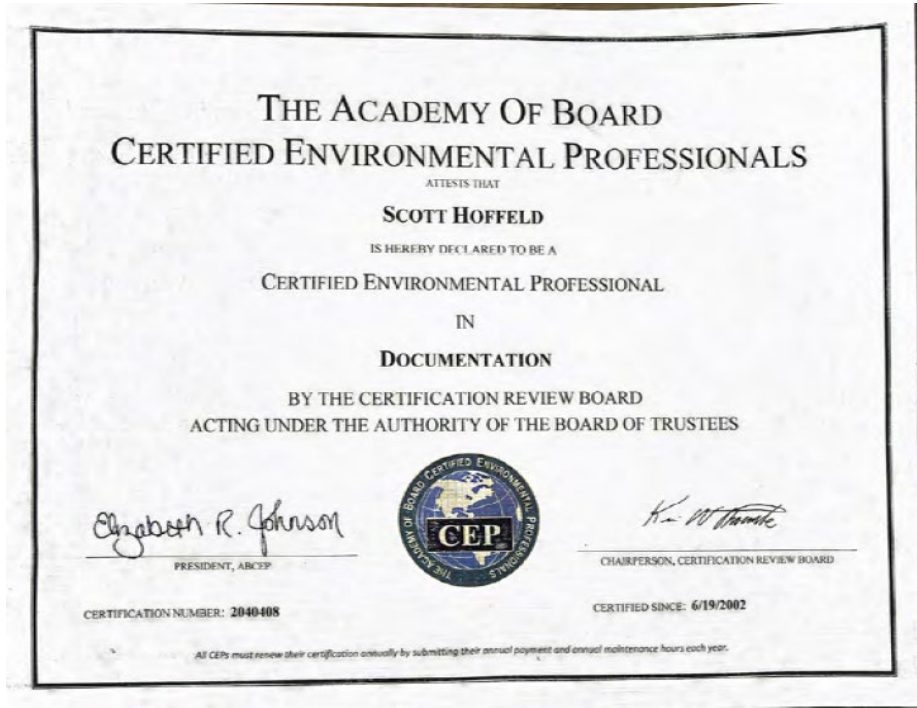
* Thank you for your payment. Your credit card was authorized and will be charged for services provided by the Louisiana Secretary of State. This charge will indicate LA SEC OF STATE as the payee and include a \$5.00 state fee for processing the transaction in accordance with Louisiana revised statute 49:316:1. This receipt will update as work is completed. If your filing is rejected for any reason, we will release the authorization for the filing fee.

Community Air Mobility Initiative
– In process with LA Secretary of State

Stantec

Stantec Consulting Services, Inc.

Certifications/Licenses:



American Institute of Certified Planners

AICP

Eric T. Plapper, AICP
APA ID: 283460
AICP Membership: Expires 03/30/2026
AICP Start Date: 06/04/2021
AICP Certification #: 33312

Badges
AICP

CM Reporting Period Ends: 12/31/2025

The American Institute of Certified Planners provides the only nationwide, independent verification of planners' qualifications. Certified planners pledge to uphold high standards of practice, ethics, and professional conduct, and to keep their skills sharp and up to date by continuously pursuing advanced professional education.



This certificate hereby qualifies

Rebecca Leitschuh

as a member with all the benefits of a Certified Planner and a commitment to the AICP Code of Ethics and Professional Conduct.

Certified Planner Number: 025496

Joel Albizo
Joel Albizo, FASAE, CA
Chief Executive Director

Erin Perdu
Erin Perdu, AICP
President

AICP
American Institute
of Certified Planners
Creating Great Communities for All

Certifications/Licenses:



Illinois Department of Financial and Professional
Regulation

Lookup Detail View

Contact
Contact Information

Name	City/State/Zip	DBA / AKA
MICHAEL J SMEJKAL	Oro Valley, AZ 85737	

License
License Information

License Number	Description	Status	First Effective Date	Effective Date	Expiration Date	Ever Disciplined
062055827	LICENSED PROFESSIONAL ENGINEER	ACTIVE	06/24/2002	09/11/2023	11/30/2025	N

Other Licenses
Other Licenses

License Number	Description	Status	First Effective Date	Effective Date	Expiration Date	Ever Disciplined
061027842	ENROLLED PROFESSIONAL ENGINEER INTERN	ACTIVE	09/26/1997	09/26/1997	01/01/2999	N

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ASE Program - Cam...WundergroundHistoryLensISI | ENV SP TrainingAZTrailStantec PipelinePHX UnifierPM Framework

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ARIZONA

STATE BOARD OF TECHNICAL REGISTRATION

53829

First Name

Michael

Last Name

Smejkal

License Status

Active

Discipline

ENGINEER/CIVIL

Initial Registration Date

25 Jul 2012

Expiration Date

30 Sep 2027

Address Line 1

One South Church

Address Line 2

Suite 2100

City

Tucson

State

Arizona

Zip

85701

SANCHEZ ALEXIS	
LICENSEE INFO	ENFORCEMENT ACTIONS
Address	EAST SETAUKET NY
Profession	Professional Engineering (016)
License Number	102355
Date of Licensure	January 09, 2020
Status	Registered
Registered through Date	May 31, 2028
Additional Qualifications	<ul style="list-style-type: none"> None

Certifications/Licenses:

Wallet Card



Page: 1 Updated on: 6-11-2025 Matches: 1

LIMB, JOHNATHAN GERARD		PE# 139635		
Status	Branch(s)	Granted	Expires	Employer(s)
Active	Civil,	12-03-2020	09-30-2025	Stantec Consulting Services Inc

📍: 1917 S. Interstate 35, Austin, TX 78741 ✉ Email : info@pels.texas.gov 📞 Phone : 512-440-7723
📠 Fax : 512-440-0417



Lucas Schneller

LC Professional

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LC Certificate

Number:

LC2003-4120

Expiration:

2027-12-31

State:

Alaska

Country:

US

Company Name:

Stantec

Profession Type:

Electrical Engineer

Years in Profession:

25

Designation(s):

PE,LC

Certifications/Licenses:

6/12/25, 10:35 AM

Division of Corporations, Business and Professional Licensing



Department of Commerce, Community, and Economic Development
CORPORATIONS, BUSINESS & PROFESSIONAL LICENSING

State of Alaska / Commerce / Corporations, Business, and Professional Licensing / Search & Database Download / Professional Licenses / License Details

LICENSE DETAILS

This serves as primary source verification* of the license.

License #: AELE11399

Program: Architects, Engineers and Land Surveyors

Type: Registered Professional Electrical Engineer

Status: Active

Issue Date: 01/12/2006

Effective Date: 12/07/2023

Expiration Date: 12/31/2025

Mailing Address: WASILLA, AK, UNITED STATES

Licensure Basis Type: Examination

*Primary Source verification: License information provided by the Alaska Division of Corporations, Business and Professional Licensing, per AS 08 and 12 AAC.

Owners

Owner Name	Entity Number
Lucas Schneller	

TN Commerce and Insurance Verify

← Details for CANUPS, RONNIE STERLIN


🕒 Retrieved on 06/12/2025 03:06 PM

License details for the selected record.

Summary

License: 112038 Professional Engineer A&E Engineer Architects and Engineers Original Licensure Date 07/02/2008	Status Active	Expiration Date 07/31/2026
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Print Lookup Details

Illinois Department of Financial and Professional Regulation

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Contact

Contact Information


Name	City/State/Zip	DBA / AKA
Lucas Schneller	Wasilla, AK 99687	

License

License Information

License Number	Description	Status	First Effective Date	Effective Date	Expiration Date	Ever Disciplined
062075652	LICENSED PROFESSIONAL ENGINEER	ACTIVE	10/10/2023	10/10/2023	11/30/2025	N

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Kentucky Board of Engineers & Land Surveyors

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Name: Ronnie Canups

Professional Engineer: Number: 30587
Status: Current
Issue Date: 12/11/2014
Expiration Date: 06/30/2027

Professional Land Surveyor: Address of Record: 2666 Morgan Road
Joelton, TN 37080

Responsible Charge For: Responsible Charge For:
LegalName
Select Stantec Consulting Services Inc.


Certifications/Licenses:

BOARD FOR PROFESSIONAL ENGINEERS,
LAND SURVEYORS, AND GEOLOGISTS
LICENSING DETAILS FOR: 81432

NAME: WOMELDORFF, ERIC
LICENSE TYPE: CIVIL ENGINEER
LICENSE STATUS: CLEAR
ADDRESS
2840 ENCINAL AVE
ALAMEDA CA 94501
ALAMEDA COUNTY

ISSUANCE DATE
MAY 29, 2013
EXPIRATION DATE
SEPTEMBER 30, 2025
CURRENT DATE / TIME
JUNE 11, 2025
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Chelsea Richer, AICP






APA ID: 282604
Email: chelsea.richer@gmail.com
Member Type: Regular Member
Profile URL: www.planning.org/profile/chelsearicher
Profile Status: Visible only to other members
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APA Membership: Expires 06/30/2026
Primary Chapter: CAL | Expires 06/30/2026

AICP Membership: Expires 06/30/2026
CM Reporting Period Ends: 12/31/2025
CM Grace Period Ends: 04/30/2026
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District of Columbia Board of Professional Engineers

To: Zahra Khan



As a: Professional Engineer Intern


1712 16th St NW
Washington, DC, 20009


License Number: PEI40000014

Issuance Date: 7/1/2022

Expiration Date: 12/31/9999




Tiffany Crowe
Director
Department of Licensing and Consumer Protection



This certificate hereby qualifies

Cullen McCormick

as a member with all the benefits of a Certified Planner and a commitment to the AICP Code of Ethics and Professional Conduct.

Certified Planner Number: 34433


Joel Albizo, FASAE, CA
Chief Executive Director


Karen Wolf, FAICP
President


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21. QA/QC Plan:

If the advertisement requires submission of a QA/QC plan, include it here. **Otherwise, leave this section blank. If a QA/QC plan is included in this section and was not required by the advertisement, it will be redacted.**

22. Sub-consultant information:

Firm Name (Name must match <u>exactly</u> as registered with Louisiana's Secretary of State (SOS): <u>including punctuation, include screenshot(s) from SOS at the end of Section 20</u>)	Address	Point of Contact and email address	Phone Number
Fehr & Peers Inc.	450 Laurel Street, 8 th Floor, Baton Rouge, LA 70801	Josh Peterman j.peterman@fehrandpeers.com	(925) 209-3688
Community Air Mobility Initiative	P.O. Box 11162 Bainbridge Island, WA 98110	Yolanka Wulff yolanka@communityairmobility.org	(206) 660-8498
STV Incorporated	201 Rue Beauregard, Ste. 202 Lafayette, LA 70508	Lori Pepper Lori.Pepper@stvinc.com	(843) 709-8109
Partners for Automated Vehicle Education	1837 MacArthur Drive McLean, VA 22101	Tara Andringa tara.andringa@pavecampaign.org	(202) 494-1930
Kheiron Immersive Training Environments LLC dba Digital Twin Studios, LLC	P.O. Box 53331 Lafayette, LA 70505	Marcus Lyle Brown marcus@dtsxr.com	(337) 501-7158
NEXA Capital Partners LLC	1765 Greensboro Station Place, 9 th Floor, McLean, VA 22102	Michael Dymment Michael.J.Dymment@nexacapital.com	(202) 321-0389
OneSky Systems Inc.	220 Valley Creek Blvd, Suite 401 Exton, PA 19341	Bob Hammett rhammett@oneskysystems.com	(833) 966-3759

23. Location:

If location is an evaluation criterion for this advertisement (see page 2) and the prime consultant intends to establish a local presence, describe the plan for doing so. **Otherwise, leave this section blank. Any information included in this section will be redacted if not required by the Evaluation Criteria section of the advertisement.**



Stantec is a global leader in sustainable architecture, engineering, and environmental consulting. The diverse perspectives of our partners and interested parties drive us to think beyond what's previously been done on critical issues like climate change, digital transformation, and future-proofing our cities and infrastructure. We innovate at the intersection of community, creativity, and client relationships to advance communities everywhere, so that together we can redefine what's possible.