

NORTHERN VIRGINIA TRANSPORTATION AUTHORITY

MEMORANDUM

TO: Chair Phyllis J. Randall and Members
Northern Virginia Transportation Authority

FROM: Monica Backmon, Executive Director

DATE: March 5, 2020

SUBJECT: Appointment of Members to the Technical Advisory Committee

1. **Purpose:** To seek Northern Virginia Transportation Authority (NVTA) appointment of three candidates as Technical Advisory Committee (TAC) members.
2. **Suggested Motion:** *I move approval of Karen Champlin, Amy Morris and Frank Spielberg as appointees to the Technical Advisory Committee members.*
3. **Background:**
 - a. NVTA's Technical Advisory Committee is a statutory committee required by the enabling legislation. The committee shall consist of nine individuals who reside or are employed in counties and cities embraced by the Authority and have experience in transportation planning, finance, engineering, construction, or management. Six members shall be appointed by local jurisdictions and three members shall be appointed by the Chairman of the Commonwealth Transportation Board. The TAC shall advise and provide recommendations on the development of projects as required by §15.2-4838 and funding strategies and other matters as directed by the Authority.
 - b. This committee of individuals with multi-modal expertise and regional focus shall be responsible for reviewing the development of major projects and potential funding strategies and providing recommendations to the NVTA. "Development of projects" shall be defined as: the identification of projects for the NVTA long range transportation plan and the NVTA Six Year Program, and the application of performance-based criteria to the projects identified.
 - c. Currently, three of the six Authority appointments are vacant in addition to two of the CTB Chair appointments. These vacancies need to be filled at the earliest since the Committee will be reviewing and developing recommendations for the FY2020-2025 Six Year Program (SYP) in the upcoming months as well as providing inputs and guidance in the development of TransAction update till its adoption in December 2022.
 - d. Nine individuals expressed their interest to NVTA staff. The staff coordinated the review of the resumes with the jurisdiction staff through Regional Jurisdiction and Agency Coordination Committee (RJACC). The RJACC recommended the three

candidates below covering expertise in various fields including transportation planning, transportation engineering, multimodal planning, and modeling, among others in a mix of public and private sector environments:

- a. Ms. Karen Campblin (land use and transportation planning)
- b. Mr. Frank Spielberg (public transportation and travel forecasting)
- c. Ms. Amy Morris (transportation and traffic engineering)
- e. NVTA staff is coordinating with the CTB Chair to fill the two remaining vacancies.

Attachments: Resume of the three candidates

Ms. Karen Campblin has over fifteen years experience working with communities and governmental agencies to create innovative and sustainable solutions to address transportation, community (re) development, equity/environmental justice, long-- range planning and growth management needs. Through an in-- depth understanding of planning techniques, regulatory requirements and community-- building, Karen is able to develop viable concepts, create cost-- effective solutions and build partnerships in support of equitable transportation improvement, policy, and community development initiatives. A highlight of Karen's accomplishment is listed below.

EXPERIENCE

Founder
 ktcPLAN, LLC
 Washington D.C. Metro Area
 July 2011 – present

Senior Planner | Project Manager
 BREE & Associates (telework)
 Raleigh, North Carolina
 September 2012 y present

Senior Planner | Project Manager Planning
 Communities, LLC
 Raleigh, North Carolina
 May 2010 – July 2011

Longy Range Planning Manager
 City of Eustis
 Eustis, Florida
 June 2008 – June 2010

Senior Planner | Project Manager |
 Planning Communities, LLC
 Orlando, Florida
 June 2007 – April 2008

Senior Associate | Planner | Public
 Involvement Coordinator
 Glatting Jackson Kercher Anglin Orlando,
 Florida
 January 2000 – March 2007

EDUCATION

Master of Public Administration, University
 of Central Florida, Orlando, Florida

Bachelor of Arts, Political Science, Florida
 Atlantic University,
 Boca Raton, Florida

AWARDS

Master Planning and Public Award,
 Florida Planning and Zoning Association,
 First Coast Chapter -
 Scenic and Historic A1A Master Plan
 (2006)

Public Awareness and Participation
 Award, Florida Planning and Zoning
 Association, First Coast Chapter - Scenic
 and Historic A1A Corridor Management
 Plan (2003)

MULTI-- MODAL DEVELOPMENT

Analyzed existing transportation deficiencies to develop viable options that increase quality of life, equity, safety, access, and economic vitality.

- Capital Area Bus Transit Development Plan and Three Year Bus Services Plan, Wake County, North Carolina
- Orlando International Airport Corridor Alternative Analysis, Orange County, FL

COMMUNITY DEVELOPMENT AND REVITALIZATION

Developed workable solutions that transformed visions and goals into viable programs and policies that foster economic vitality, longevity and quality of life.

- City of Eustis Community-- wide Brownfields Assessment Application and Program
- City of Eustis Comprehensive Plan Evaluation and Appraisal Report
- Bridges Community Impact Assessment, Statewide, North Carolina

ACTIVE | HEALTHY TRANSPORT

Developed effective improvement strategies that minimize impacts while supporting equitable and sustainable long-- term growth management goals.

- Safe Routes to School Program, City of Wilson, North Carolina

PUBLIC INCLUSION | COMMUNITY BUILDING

Designed and implemented proy active outreach program to foster twoy way dialogue, engagement, consensus and partnerships.

- District Department of Transportation, Office of Civil Rights, Title VI and Language Access Program Management (ony going, contract)

CULTURAL RESOURCES | PRESERVATION

Developed communityy based preservation strategies to preserve, maintain and enhance unique cultural, historic and aesthetic resources.

- Various scenic corridor management and master plans.

PROFESSIONAL DEVELOPMENT

- American Planning Association (APA)
 - Legislative Committee (committee member), Planning for Ethnic and Cultural Diversity Committee (committee member, event and program planning), Planning and the Black Community Division (division member), Transportation Planning Division (membership committee)
- APA Community Planning Assistant Team, Hartsville South Carolina
- Conference of Minority Transportation Officials (COMTO)
 - Legislative Advisory Council, Co-Chair
 - Liasion, RailVolution

CIVIC ASSOCIATIONS AND ACTIVIITIES

- Fairfax County Federation of Citizen's Association, Land Use & Transportation Committee, Co-Chair
- Sierra Club of Virginia, Transportation Co-Chair
- Virginia State Conference NAACP, Environmental and Climate Justice, Chair
 - o State Representative for various initiatives : Clean and Just Energy, Transportation and Climate Initiative
- Fairfax County NAACP, Interim, Political Action Committee, Chair
- I was also appointed to serve on land-use related task forces including the Fairfax County Public Engagement in the Land Use process (member), Suburban Land Use Task Force (member), Land Unit J Task Force (chair), and the Fairfax County Tree Commission, and an Associate Director of the NOVA Soil and Water Conservation District.



Attachment B.

Amy Morris, P.E., PTOE, PMP
President and Senior Transportation Engineer

<i>Education</i>	B.S., Civil Engineering George Mason University
<i>Professional Registrations</i>	Registered Professional Engineer: Virginia, Maryland, Pennsylvania and D.C. Professional Traffic Operations Engineer PMI-Certified Project Management Professional

Professional Overview

Ms. Morris has lived and worked in Northern Virginia for more than thirty years and is president of T3 Design Corporation (T3), headquartered in Fairfax. She joined T3 in 2006 as a transportation engineer and today manages this woman-owned firm which she has helped grow into an industry leader providing state and local government agencies with complex traffic and transportation engineering solutions. She has technical expertise in the planning and design of multi-modal projects including highway, transit, pedestrian and bicycle facilities and has provided Chapter 527 Review services and independent reviews of IJR's and traffic studies to VDOT on proposed developments.

She is a graduate of the Transportation Project Management Institute (TPMI) training program, a program developed in partnership with the University of Virginia and VDOT and held once each year since 2010. It is designed to offer hands-on training for managing the development phase of transportation projects. Morris is a committed life-long learner and recently completed the Project Management Institute's rigorous training program and holds the highly-regarded Project Management Professional (PMP) certification.

An active community and industry volunteer, she currently serves on the Virginia Transportation Construction Alliance (VTCA) Engineering Consultant Leadership Committee and the board of directors. She is an active member in the Institute of Transportation Engineers, the Women's Transportation Seminar (WTS), and the American Society of Highway Engineers. A dynamic speaker, she has been both a presenter and moderator for numerous WTS at VCTA events.

Technical Experience

With 26 years of experience, Morris is a seasoned project manager who routinely manages concurrent VDOT task orders contracts with as many as 55 open task orders at any given time for design, bridge, and traffic engineering on-call contracts for both statewide work and for various districts and regions within the Commonwealth. She specializes in traffic analysis projects including corridor analyses, access management and traffic impact, safety, bicycle, pedestrian, and operational improvement studies as well as roundabout analysis and design. She also is experienced in transportation engineering design, including the design of plans for traffic signals, highway and street lighting, Traffic Management Plans (TMP), Maintenance of Traffic (MOT), and Intelligent Transportation Systems.. Her representative project experience includes:

VDOT: MegaProjects Program (GEC) Northern Virginia – Morris worked on multiple projects under this program including the Mark Center/BRAC Project, where she reviewed traffic studies, TMPs, pavement marking, and MOT for Russell Road and the Fairfax County Parkway Extension. On the I-495 Project, she led the conceptual signing study for construction of High Occupancy Toll (HOT) lanes on I-495 and conducted detailed reviews of traffic engineering design plans on behalf of VDOT for the construction of High Occupancy Toll (HOT) lanes in both directions along I-495 in Fairfax County. As part of the Metro Silver Line Extension Project, she conducted detailed reviews of traffic engineering studies and design plans on behalf of VDOT.

VDOT: Rolling Road Widening Alternative Evaluation, Fairfax County, Virginia – Morris led T3's effort to analyze 12 design alternatives and variations, based on operational and safety impacts. Traffic analyses included evaluating signal warrants at 3 intersections and turn lane warrants at 10 intersections, along with determining



levels of service at 16 study intersections. Numerous alternatives were explored in regard to bicycle paths vs. on-street lanes, different pedestrian sidewalk and trail facility options, on-street parking, and a two-way left turn

lane vs. a divided roadway cross section with a raised concrete median. Public involvement efforts were significant, with high levels of interest from community groups and elected officials, and Morris attended the public hearing as well as six additional citizen information meetings to introduce and answer traffic-related questions and concerns.

VDOT: Battlefield Parkway Extension, Leesburg, Virginia – For the Traffic Study on this project, Morris oversaw trip generation and distribution calculations, traffic volume projections and creation of the Synchro model of the study segment. She also managed the operation analyses, calculation of turn lane storage requirement, and preparation of the Traffic Study Report. In addition, she oversaw the development of traffic signal plans and conducted a final review of plans before submission to VDOT.

VDOT: Stringfellow Road Improvement Project, Fairfax County, Virginia – As a project manager on the widening of Route 645 from Route 50 to Route 7735, Morris provided traffic engineering design services consisting of traffic data collection and analysis, as well as signal design. She performed a traffic study for the roadway improvements, including pedestrian LOS, and created traffic-signal modification plans for seven existing signalized intersections. These plans included improvements to pedestrian accessibility to link the trail system through the corridor.

VDOT: Route 606 Widening Project, Loudoun County, Virginia – Morris performed preliminary traffic engineering on a project to widen Rte. 606 from the existing two-lane rural roadway to a four-lane divided urban collector. She completed an extensive traffic study involving 12 intersections along the corridor, as well as preliminary signal design and signing and marking design. The traffic study included assessing widening alternatives, evaluating signal and turn lane warrants, and performing safety and queue length analyses.

VDOT: Northern Region Operations Signal Design Services, Northern Virginia – Morris provided on-call traffic engineering support, including signal design services at four intersections in Loudoun County. She checked intersection inventories, provided traffic signal plans, attended field meetings/site visits, and provided signal equipment layouts and base plans for traffic signal modifications at Harry Byrd Highway and North Sterling Boulevard and at Harry Byrd Highway and Baron Cameron Avenue. She provided similar services for new traffic signal installations at Palisade Parkway and Southbank Street and Algonkian Parkway and Winding Road. She has also managed preparation of signal design plans for 13 other intersections in Loudoun County under other contracts.

VDOT: Design of Traffic Control Devices and Traffic Engineering Studies/Analysis, Northern Virginia – Morris oversees T3's work on this contract, including task order management, staffing, budgeting, QA/QC reviews, and client liaison as required. To date, T3 has supported 13 task orders under this contract including safety and guardrail assessments of 80 lane miles in Fairfax, Loudoun, Prince William and Arlington Counties as a part of the pavement repaving schedules; this project also involved developing sketches for pavement markings and bike lanes. As another example, T3 prepared "No-Plan" sketches to indicate countermeasures for safety under a project that involves identifying low cost, short-term solutions to eliminate or reduce roadway departure crashes at about 50 sites in Northern Virginia.

City of Fairfax: Route 123 Over Accotink Creek Bridge Replacement, Fairfax, Virginia – Morris managed a traffic analysis and traffic impact study for this bridge replacement project in the City of Fairfax. She oversaw analysis of traffic operations for proposed detour routes, revised signal timing for temporary signalization during detour for bridge construction, and a safety analysis based on previous three-year crash history. She also



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managed data collection on turning-movement counts and pedestrian counts and calculation of pedestrian LOS at an intersection near the bridge.

FRANK SPIELBERG

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Falls Church VA 22042
703-403-6042
fspielberg@cox.net

EDUCATION

University of Pennsylvania, B.S. in Civil Engineering
University of California at Berkeley, M.S. in Civil Engineering

REGISTRATION

Registered Professional Engineer in Virginia and the District of Columbia
Professional Engineer (retired) in Maryland and California.

PREVIOUS POSITIONS:

Vanasse Hangen Brustlin, Program Manager, 2005-2011
SG Associates, Inc., Principal, 1976-2005
Alan M. Voorhees and Associates: 1968-1976, Last Position -- Deputy Vice President
Cleveland-Seven County Transportation and Land Use Study: 1965-1968

EXPERIENCE:

Mr. Spielberg has over fifty years of experience in applied transportation planning with emphasis on public transportation and travel forecasting. In his career he developed or applied travel demand models for transit investment studies in over a dozen cities. In his work as a consultant to the Office of Planning and Environment of the Federal Transit Administration he reviewed New Starts applications for many projects and developed the initial guidance for conducting the Congressionally mandated Before and After Studies. He has conducted transit planning and operational studies in areas as diverse as Aspen, CO; Hampton Roads VA, Lexington, KY; and Westchester County, NY.

Professional and Public Service Activities

Chair of the Bus Transit Systems Committee of the Transportation Research Board, 2003-2009
Bus Rapid Transit Steering Committee, Montgomery County MD, 2013 – Present
Virginia Vanpool Incentive Program Advisory Board, 2012 – Present
Fairfax County VA Transportation Advisory Commission, 1992-1996

Transit System Planning and Alternatives Analysis. Advisor to the Rapid Transit Steering Committee established by Montgomery County MD to guide the comprehensive Bus Rapid Transit program being developed for the County (2013). Advisor on the development of commuter rail in the Miami Fort Lauderdale corridor (2102). Directed Comprehensive Operational Analysis of Hampton Roads Transit (2008-2009). Advisor to George Washington Region (Fredericksburg VA) on development of detailed program to implement public transit-human service transportation program (2009). Senior advisor for Minnesota Statewide Transit Plan (2008). Directed study of issues related to formation of a Transit Authority for Charlottesville-Albemarle County VA (2008). Directed travel forecasting for analysis of proposed Downstate Commuter Rail (Delaware) (2004).

Conducted study for FTA of projected and achieved values for New Starts ridership, capital cost and operating cost (2002). Project manager Charlottesville VA TDP (2004), and for collection and analysis of WMATA bus passenger data related to analysis of proposed light rail alternatives in the District of Columbia (2004). Project manager for Route 1 Corridor Bus Studies in Northern Virginia (2001), Comprehensive Transit Operations Analysis, Westchester County, NY (2000); Transit Development Program for Rockland County, NY (1999); Transit Service Needs Assessment for New Castle County, Delaware and Cecil County, Maryland (1995-97). Provided on-call technical support on a range of transit planning topics to the Mass Transit Administration, Maryland (2000). Provided assistance to Chesterfield County, VA, for development of new transit services implemented in 2001. Provided task order based transit planning services to DelDOT Planning from 1996 through 1999. Tasks have included planning of transit services related to I-95 reconstruction, site location studies for a DART First State Maintenance Facility and analysis of Park-Ride needs. Directed analysis of functional needs for DART First State local bus operations and intercity bus operations as part of planning studies for the Wilmington DE train station area. Provided task order-based transit planning and analysis services to Tidewater Regional Transit, Norfolk, VA (1997-2000). Directed study of downtown transit center and parking garage in Poughkeepsie, NY (1991). Conducted Case Studies and participated in handbook development for TCRP B-6, Improving Transit Connections for Enhanced Suburban Mobility (1995-96). Principal investigator for Transit Cooperative Research Project on Demand Forecasting for Rural Passenger Transportation (1993-94). Provided assistance to UMTA in review of Alternatives Analysis projects (1990-1995). Consultant on development of strategic transit plans for Eau Claire, Wisconsin and Pocatello, Idaho (1994). Directed preparation of Statewide Public Transportation Needs Assessment and Action Plan for the Arkansas Governor's Task Force on Public Transportation (1991-92). Project director for Westchester County, New York, Year 2010 Strategic Transit Plan (1993). Directed feasibility analysis for downtown shuttle, Colorado Springs, CO (1990). Conducted analyses of Potomac River High Speed Ferry Service (1988 and 1999). Directed development of Prince William County, Virginia, Six Year Transit Development Plan (1988-89). Directed feasibility analysis of passenger rail service, Little Rock, Arkansas (1987). Directed travel demand element of Alternatives Analysis for Indianapolis (1985). Consultant on demand analysis for Denver RTD Systems Planning study (1984) and Corridor Technology Assessment (1985). Directed Alternatives Analysis for Madison WI (1981) and detailed operations transition analysis (1985). Developed suburban service transit demand model and budget analysis software for Henrico County, Virginia (1986). Directed Net Income Analysis Studies for the Washington Metropolitan Area Transit System (WMATA), 1971 and 1974. Directed transit systems planning study in San Juan, PR (1974). Responsible for patronage reasonableness analysis and corridor identification, transit systems long-range study in Denver CO (1984). Project manager for UMTA study of Dual-Mode Transit, Orange County CA (1974).

Comprehensive Transportation Planning. Conducted demand analysis for development of Multiple Occupancy Vehicle Emphasis program for the Mid-Hudson region (NY) (1995). Consultant on long-range transportation plan for the Little Rock, Arkansas region with responsibility for concept development and transit elements (1994). Developed work program for the development of a new travel demand model set for the New York metropolitan region (1992). Member of Peer Review Panel for NYMTC model development (1994-2000). For the Federal Highway Administration prepared a white paper on the applicability of household time and money budget constraints to travel forecasting. Developed, for Metropolitan Washington COG, a budget-constrained direct demand model for non-work transit travel. Managed several large

comprehensive urban transportation studies including studies to develop transportation plans and policies for Atlanta GA, Baltimore MD, San Juan PR, Tallahassee FL, York PA and others. Developed route level transit demand estimation models for Buffalo, NY (1990) and Providence, RI (1992). Experience encompasses total system planning -- highway and transit systems analysis. Major focus was on developing techniques for travel projections and systems analysis. Directed the application of models and evaluation techniques for the Baltimore continuing planning program and a major environmental assessment of alternative systems. Conducted reviews (1979 and 1990) of state-of-the-art in transportation modeling for Baltimore Regional Planning Council. Directed a study of feasibility of high-speed rail service in the Atlanta-Macon Corridor.

Bus Maintenance. Directed FTA study of bus maintenance needs and developed facility-planning guidelines. Directed development of Capital Facilities Plan for Southeastern Pennsylvania Transportation Authority (SEPTA). Conducted for WMATA analysis of costs of a proposed closing of the Northern Garage. Provided transit needs analysis for design of bus maintenance facility, Fairfax County, Virginia. Prepared functional plan for transit maintenance facility, Prince William County, VA. Responsible for maintenance contracting analysis, Mississauga, Ontario. Conducted assessment of bus storage and maintenance functional needs and alternative facility site evaluation, El Dorado County, CA and Hickory, NC. Co-author of TCRP Synthesis on Regulatory Impacts on Design and Retrofit of Bus Maintenance Facilities.