



SAME Dallas Post TISP Workshop

Sponsored/Hosted by the SAME Dallas Post

Tuesday, April 23, 2013 ~ 8:00 AM to 5:00 PM

Dallas Addison Marriott Quorum by the Galleria

WORKSHOP AGENDA

7:30 AM – 8:00 AM	Registration & Networking
8:00 AM – 9:30 AM	Welcome and Keynote Speaker Marvin Fisher, TISP Workshop Chair and SAME Dallas Post President William Anderson, Director of The Infrastructure Security Partnership “Future Proofing Cities” ~ Keynote by Nick Roberts, Atkins “The Future of Dallas” ~ Keynote by Jill Jordan, City of Dallas
9:30 AM – 10:00 AM	Networking Break
10:00 AM – 12:00 PM	Breakout Track Sessions <i>Track 1: Water Resources</i> <i>Facilitator Michael P. Fallon, PE, F.SAME, Halff Associates, Inc.</i> <i>Track 2: Transportation</i> <i>Facilitator Mark Isaak, PE, Encotech Engineering Consultants</i> <i>Track 3: Natural Infrastructure</i> <i>Facilitator Raymond Russo, PE, USACE Southwestern Division</i> <i>Track 4: Developing Cities</i> <i>Facilitator Marvin N. Fisher, LEED AP, F.SAME, Atkins</i>
12:00 PM – 1:00 PM	Working Buffet Lunch
1:00 PM – 3:00 PM	Breakout Track Sessions, continued
3:00 PM – 3:30 PM	Networking Break
3:30 PM – 5:00 PM	Facilitator Review & Summary of Track Session Discussions Closing Remarks ~ Marvin Fisher

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The Infrastructure Security Partnership (TISP) is holding a series of workshops around the country to collect recommendations to provide in a report to Congress and the SAME Dallas Post is hosting the South-central region workshop. The goal of this Workshop is to highlight the need for regional and community resilience planning, creating healthier infrastructures that serve our communities, and developing and implementing risk-based strategies supported by public-private partnerships. Workshop presentations and discussions include:

- Awareness of key issues and decision points that regional stakeholders need to take into account when determining infrastructure resilience-based mitigation actions;
- Criteria and model mechanisms for public-private collaborative decision-making on priorities, investment needs, and funding arrangements; and
- Tools and available capabilities to assist in development and implementation of regional collaborative infrastructure resilience mitigation strategies



This SAME Dallas Post TISP Workshop features regional keynote speakers and subject matter experts (SMEs) in a round table forum focused on water resources, transportation systems, the natural infrastructure and developing cities. Attendees will discuss regional resilience solutions and strategies with the SMEs that support communities in developing infrastructure systems that provide reliable access to food and water, energy, shelter, and economic development before, during, after natural disasters, especially those driven by climate variability. The end product of the workshop series will be a report and future guide for communities to work together within our region when considering and establishing mitigation strategies and infrastructure investment prioritization.

Track 1: Water Resources ~ Facilitator Michael P. Fallon, PE, F.SAME, Halff Associates, Inc. This track focuses on the need for resiliency planning due to a myriad of challenges facing water resources infrastructure e.g. water supply (availability, transmission, reservoir operations, etc.); wastewater treatment; flood control (flood plain management) with SMEs from Dallas Water Utilities, US Army Corps of Engineers, Tarrant Regional Water District, San Antonio Water System, Freese and Nichols, Texas Water Development Board, and Halff Associates.

Track 2: Transportation ~ Facilitator Mark Isaak, PE, Encotech Engineering Consultants. This track focuses on resiliency planning for roads, rail, airports, and ports with SMEs from North Texas Tollway Authority, Texas Department of Transportation, BNSF Railroad, Capital METRO, Harris County Toll Road Authority, and DFW Airport.

Track 3: Natural Infrastructure ~ Facilitator Raymond Russo, PE, USACE Southwestern Division. This track focuses on coastal development/restoration and waterways with SMEs from Arkansas/Oklahoma Port Authority, Texas Emergency Management Office, USACE Galveston District, Texas General Land Office, and the TXDOT Maritime Division.

Track 4: Developing Cities ~ Facilitator Marvin N. Fisher, LEED AP, F.SAME, Atkins North America. This track focuses on alternatives to smartly developing cities for future population needs, disaster preparedness and climate change impacts with SMEs from USACE Southwestern Division, Atkins, DFW Airport, USACE Ft Worth, Urban Collaborative, and the Fort Worth City Planner.

The SAME Dallas Post Mission

To provide a dynamic environment for Dallas area professionals to associate in the pursuit of common interests, professional growth, camaraderie and community growth.

The TISP Mission and Vision

The mission of TISP is to lead public- and private-sector collaboration that advances the practice and policies of regional and infrastructure security and resilience. Our vision is secure and resilient infrastructure that supports the nation's economy and well-being of its people.

KEYNOTE SPEAKERS

“Future Proofing Cities”

Nick Roberts, Atkins



Nick Roberts is Strategy Director and President of the Infrastructure Group for Atkins North America. He has led consulting businesses in the water and environment, rail and design sectors in the UK and North America for nearly 20 years, and has a technical background in major urban brownfield redevelopment projects. As Managing Director of Atkins UK Environment business, he initiated Atkins work in Future Proofing Cities in 2011, resulting in the launch of our report with the British Government's Department for International Development and University College London in late 2012.

“The Future of Dallas”

Jill A. Jordan, PE

Assistant City Manager, City of Dallas

As the City of Dallas Assistant City Manager, Ms. Jordan's responsibilities include Communications and Information Services; Office of Environmental Quality; Public Works; Strategic Customer Services; and Trinity Watershed Management.



FACILITATOR BIOGRAPHIES

Michael P. Fallon, PE, F.SAME, Halff Associates, Inc.

Mr. Fallon joined Halff Associates in 2012 upon retirement from the Senior Executive Service where he served as Programs Director, US Army Corps of Engineers, Southwestern Division in Dallas. Mr. Fallon served with USACE for 37 years and worked in a variety of technical and leadership positions in multiple district and division offices across the US and overseas. In his last position with USACE, Mr. Fallon provided direction and guidance in the execution of a multi-billion dollar military and civil works program throughout the southwest region. Since joining Halff Associates as a Vice President, Mr. Fallon has been engaged in business development, strategic planning and client outreach. Mr. Fallon received a Bachelor of Science in Civil Engineering from University of Illinois and pursued graduate studies in Civil Engineering at the Universities of Missouri and Kansas. Mr. Fallon is a licensed Professional Engineer in the states of Texas, Missouri, West Virginia and Mississippi. Contact: MFallon@halff.com



Marvin N. Fisher, LEED AP, F.SAME, Atkins

Mr. Fisher is a Senior Vice President within Atkins North America's Infrastructure Group Company and serves as the Director of Sales and Strategy. Mr. Fisher is leading a 1200 person business unit and is responsible for growth strategies, business development and marketing consulting services provided by Atkins to its Federal, Private and Public sector clients. His team is responsible for selling asset management, program management,



programming, planning, design (horizontal, vertical, and aviation), environmental services, risk and emergency management, construction and project management services, environmental sciences and water resources services to clients nation-wide. Prior to his private sector career, Mr. Fisher served 25 years as an officer in the United States Air Force (USAF), retiring as a Colonel. Mr. Fisher served as the Director of Installations for Air Force Space Command and was responsible for resourcing and directing over 7000 personnel and a \$1B annual operations budget conducting planning design, engineering, security, communications, fire protection, human resources and chaplaincy services to over 25,000 personnel at 67 installations world-wide. Mr. Fisher also served as the Chief of Plans and Programs, Office of the Civil Engineering, Washington DC and was responsible for all strategic planning and for developing and advocating for the \$12B annual installation support budget through the Air Force Corporate Structure, Office of Secretary of Defense and Congress. Contact: Marvin.Fisher@atkinsglobal.com

Mark Isaak, PE, Encotech Engineering Consultants

Mr. Isaak joined Encotech Engineering Consultants in October of 2012 and serves as principal for their transportation and civil departments. Prior to joining Encotech, Mr. Isaak's career included 27 years at PBS&J/Atkins. Serving as Florida DOT District One's program manager, he was responsible for the delivery of a \$350 million dollar roadway and interstate program as well as District One's portion of Governor Bush's 2002 Economic Stimulus program which fast tracked an additional \$250 million of project lettings. Eventually, Mr. Isaak led the corporate initiative for program management which included expansion of the practice as well as in-house training and talent development. For his last two years at Atkins, Mr. Isaak served as transportation's National Director of Sales & Strategy. Mr. Isaak received a Bachelor of Science in Civil Engineering from The Citadel – The Military College of South Carolina. He is a registered Professional Engineer in the states of Texas and Florida. Contact: Mark.Isaak@eec-tx.com



Raymond Russo, PE, Acting Director of Programs, USACE Southwestern Division

In this position, Mr. Russo is responsible for the development and execution of Civil Works, Military, Hazardous, Toxic and Radiological Waste, and Support for Others Programs within the Division. He provides leadership and supervision for the SWD Programs Directorate and has staff oversight for programs, planning and project management activities in the division's four district offices. Prior to his selection for this position, he has been the Chief of Civil Works Integration Division for the U.S. Army Corps of Engineers Southwestern Division since 2006. As the Chief of Civil Works, Mr. Russo is responsible for budget development, defense and program execution of the Civil Works program within Southwestern Division. Mr. Russo has a Bachelor of Science degree in Civil Engineering from Texas Tech University and is certified as a Professional Engineer from the State of Texas. Contact: Ray.S.Russo@usace.army.mil



SUBJECT MATTER EXPERT BIOGRAPHIES

Quinton Alberto, PE, Maintenance Engineer, Harris County Toll Road Authority (HCTRA)

Mr. Alberto joined HCTRA in February 2008 as the Maintenance Engineer and is responsible for oversight of roadway and facility maintenance for the 629 lane mile system serving the Houston-Galveston region. He manages design and construction contracts, emergency roadway response and routine maintenance. During his tenure, Mr. Alberto is responsible for instituting maintenance and safety protocols and procedures which have led to increased system efficiency and created an opportunity for 24/7 staffing of maintenance personnel along the facility. Prior to joining HCTRA, Mr. Alberto worked on the Katy Freeway Reconstruction Program, at that time, the largest program in TxDOT history. He graduated from Texas A&M University in 2000 with a Bachelor of Science in Civil Engineering.

Cesar Baptista. PE, Assistant Director, Capital Improvements, Dallas Water Utilities

Mr. Baptista is a 28-year employee with the City of Dallas and is currently the Assistant Director of the Capital Improvements Program for Dallas Water Utilities (DWU). His primary duty is to oversee the management of engineering and construction projects related to growth and renewal of DWU's assets. Over the past several years, Mr. Baptista was involved in the completion of DWU's master planning efforts related to water and wastewater treatment facilities, distribution, and wastewater collection systems that produced a capital outlay of prioritized projects totaling approximately \$3.2B over the next ten years. Mr. Baptista acts as the main liaison for DWU when dealing with outside agencies such as TXDOT, DART, NTTA, NCTCOG, USACE, and Dallas County PW; and other internal City Departments like Parks, Economic Development, Trinity Water Management, and Public Works. Mr. Baptista is a registered professional engineer and graduated from UT Arlington with a degree in Civil Engineering.

Alan Black, Vice President/Director of Public Safety, Dallas-Fort Worth International Airport

Mr. Black has been a member of DFW Airport's Public Safety Department for three decades. Prior to DFW, Alan was in the USAF. Mr. Black is currently the Vice President and Director of Public Safety. He is accountable to 563 DPS employees who are responsible for all aspects of public safety at DFW Airport to include, but not limited to Police, Fire, EMS, Emergency Management, and Access Control. Alan manages a \$60 million budget. He has been involved in numerous catastrophic events during his career. Mr. Black is certified as a Law Enforcement Officer and Firefighter. He has a Master of Arts in Homeland Defense & Security Studies from the Naval Post Graduate School in Monterey, California and a Bachelor of Arts Degree in Fire Administration from Western Illinois University. He is also a graduate of the US National Fire Academy's Executive Fire Officer Program. Alan speaks on Aviation Safety and Security in the United States and Internationally. Among other countries, Alan has lectured in Singapore, China, Argentina, Costa Rica, Haiti, Honduras, Austria and Mexico.

Melvin Clark, Vice President Rail Operations, Capital Metropolitan Transportation Authority

As the Vice President of Rail Operations in Austin Texas, Mr. Clark oversees the management and safety of all passenger and freight rail operations as well as maintenance of way, including track, bridges, signals and crossings, and compliance with all Federal Railroad Administration regulations. He is also responsible for developing a long-range strategic plan for the rail operations. Mr. Clark's prior experience includes serving as district rail director for the Greater Cleveland Regional Transportation Authority and includes key railroad and signal management positions at the Los Angeles County Metropolitan Transportation Authority, the Metropolitan Atlanta Rapid Transit Authority, Norfolk Southern Corporation and the Chicago Transit Authority. Mr. Clark is a graduate of Southern Illinois University, serves on the Cuyahoga Scenic Railroad board of trustees and is past chair of the American Public Transportation Association's light rail technical forum.

Herman Deutsch, Director Maritime Division, Texas Department of Transportation

Mr. Deutsch is responsible for coordinating with Texas ports, Gulf Intracoastal Waterway, marine-multimodal related projects and representing the Department interests with the maritime and coastal stakeholders. He has been involved in the transportation industry for more than 23 years in the private and public sectors. He has lived, worked and studied in the US, Latin America, Europe and the Middle East, traveling extensively overseas. Before assuming this responsibility for over three years he was the Maritime & Intermodal Director for Middle East companies (ZFP & HC) in charge of seaport and railway projects in MENA with an annual budget over 200 M USD. Previously Mr. Deutsch served as a Corporate Director at Ferromex and Ferrosur (Union Pacific Railroad Company's affiliates) responsible for new projects, intermodal-ports and institutional relations including the borderline USA states and Mexico. He was director general for seaport terminal's, stevedoring operations, ocean bulk carriers and trucking companies for North America, the Caribbean and South America for five years under European and American ventures (SMT-SEPSA). He served as Port Director at public port authorities for over eight years at several ports on the Gulf and Pacific Coasts in Mexico as well as commercial and planning director for six years. For four years he served at the planning division of the DOT. Mr. Deutsch is a certified Professional Port Manager from the American Association of Port Authorities (the AAPA), he holds a degree in Port Administration from the University of Antwerp, Belgium, a BS in Civil Engineering and a Masters in Engineering-Planning, he also holds other finance and commercial post-graduate degrees.

Jason Gehrig, PE, Tarrant Regional Water District

Mr. Gehrig is an engineer with Tarrant Regional Water District responsible for various water supply & transmission capital improvement and major maintenance projects. TRWD provides water to more than 1.7 million people in the North Central Texas area, serving more than 30 wholesale customers. Operations span an 11-county area and include maintenance of dams at TRWD's four reservoirs as well as the more than 150 miles of pipeline used for water transport. After graduating from Texas A&M and working with KHA for five years in municipal water/wastewater consulting engineering, Mr. Gehrig served 8 years with Maryknoll in the Andean highlands of Bolivia as an engineering adviser and capacity builder to the local non-governmental organization 'Suma Jayma'. He continues to support overseas water efforts as a volunteer engineer/board member with WEFTA – Water Engineers for the Americas.

Mark Gillem, PhD, AIA, AICP, Associate Professor, University of Oregon, Principal, The Urban Collaborative, LLC

Lt Col, Retired, USAF Reserves. Dr. Gillem is the Principal of The Urban Collaborative LLC, an interdisciplinary urban design firm that has prepared policies and plans for military bases across the United States, Europe, and Asia. He is also an Associate Professor of Architecture at the University of Oregon where he is the Director of the Urban Design Lab and the Director of the International Association for the Study of Traditional Environments. He is the author of an award-winning book on military bases, *America Town: Building the Outposts of Empire* (University of Minnesota Press, 2007). Dr. Gillem has extensive experience in sustainable military planning. He has completed plans at a range of scales for all branches of the U.S. military – from real property master plans to small area development plans at installations worldwide. His designs, form-based codes, and collaborative design processes are setting a new standard for military planning. His planning work has received numerous awards from the Federal Planning Division of the American Planning Association. His firm did the primary writing and coordination for the U.S. Army's draft master planning regulation and the Department of Defense's new Installation Master Planning Unified Facilities Criteria. He holds a PhD in Architecture and a Masters in Architecture from the University of California, Berkeley and a Bachelors in Architecture with Highest Distinction from the University of Kansas. He is a licensed architect and certified planner and served on active duty in the US Air Force for 9 years. He retired from the US Air Force Reserves in 2010 at the rank of Lieutenant Colonel.

Thomas C. Gooch, PE, Vice President, Freese and Nichols

Mr. Gooch is a vice-president of the consulting engineering firm Freese and Nichols in Fort Worth, Texas. He leads the firm's water resource planning group and heads the firm's efforts in water supply planning, water availability modeling, water rights analysis and permitting, reservoir system operation studies, water conservation planning and water and wastewater rate studies. Among other projects, Mr. Gooch has been involved in include hydrologic analysis and expert testimony, Senate Bill One long range water planning for Region C, which includes the Dallas-Fort Worth Metroplex and has ¼ of Texas' population, water supply planning and permitting efforts for the North Texas Municipal Water District, development of water conservation and drought contingency plans, development of TNRCC Water Availability Models, system operation studies, long range water supply planning, expert analysis and testimony, and water and wastewater rate studies. Mr. Gooch received a Bachelor's degree in Civil Engineering and a Bachelor's degree in Literature from the Massachusetts Institute of Technology as well as a Master's degree in Civil Engineering from Stanford. He is a licensed professional engineer in Texas and 4 other states and is active in the Texas Water Conservation Association, the American Society of Civil Engineers, and other professional and civic organizations.

Brad Hudgens, PE, Technical Director, U.S. Army Corps of Engineers, Planning Center of Expertise for Water Management and Reallocation Studies

Mr. Hudgens currently serves as the Technical Director for the U.S. Army Corps of Engineers Planning Center of Expertise (PCX) for Water Management and Reallocation Studies. In this role he manages execution of the PCX's missions to provide technical and policy guidance, quality assurance, process improvement and training related to a variety of water supply, water management and watershed studies and actions across the nation. Prior to joining the Corps in 2009, Mr. Hudgens worked in the private sector as a project manager and engineer for the study, design and construction of water supply and flood risk management projects ranging from treatment system pilot studies and residential storm

drainage construction to major metropolitan area water system and river basin studies. He holds a B.S.E. in Systems Engineering from the University of Pennsylvania and an M.S.E. in Water Resources Engineering from the University of Texas. After attending college on an R.O.T.C. scholarship, Mr. Hudgens served four years as an Intelligence Officer in the U.S. Army, stationed in the Republic of Korea for two years. He is a licensed Professional Engineer in Oklahoma and Texas, and an ASFPM Certified Floodplain Manager.

Donna M. Huey, GISP, National Business Sector Manager, Advanced Technologies Group

Ms. Huey has 22 years of experience in engineering and environmental technology consulting and implementation. She is senior vice president of Atkins North America and national business sector manager of the Applied Technologies Group (ATG) business unit, leading a national team of professionals in providing services in software development and integration, strategic geospatial and data management services, and management solutions. She assists many clients in understanding and interpreting business needs to design and implement sustainable technology solutions. Recent areas of concentration have included developing decision support systems to model and manage interrelationships between factors simultaneously influencing development and affecting the environment. Ms. Huey also manages Atkins North America technology research and development program directly supporting the firm's competitive market position and generation of new revenue streams.

Marty Legé, Director of System and Incident Management, North Texas Tollway Authority (NTTA)

Ms. Legé is the Director of the System and Incident Management Department. Ms. Legé began her employment with the NTTA as the Command Center Manager in March 2004. She brought over 18 years of Public Safety and Incident/Emergency Management experience to the NTTA. Ms. Legé led the Command Center Team through many cultural and technological changes and is sought after by industry peers for guidance regarding the implementation and use of technology in security and incident management. In addition to her duties in traffic, incident and risk management, she provides executive oversight of the contracted performance of the DPS Troopers who patrol the NTTA System. The System and Incident Management Team consists of three core components: Roadway Customer Service, Risk Management and Command Center Operations. This is a highly technologically advanced group of 80 employees who lead the industry in the use of Intelligent Transportation Systems and Incident Management. Prior to joining the NTTA, Ms. Legé worked in Management Services as a Planner for the Chief of Police of the City of Carrollton, Texas. She served 10 years in the Air Force and has degrees in Criminal Justice and as an Instructor of Technology. She is Past President of the International Association of Law Enforcement Planners (IALEP) and Past President of the Texas Association of Law Enforcement Planners. She is an Advanced Certified Law Enforcement Planner and a Certified Instructor of the IALEP Planner's Course, held twice a year in the U.S. and Canada.

Caroline Mays, Statewide Freight Planning Coordinator, Texas Department of Transportation

Ms. Mays has over 10 years of professional transportation planning experience. She is currently the Statewide Freight Coordinator for TXDOT. In this position, Ms. Mays is charged with developing and managing TXDOT's comprehensive and multimodal Freight Planning Program. Specific responsibilities include: 1) Implementing of MAP-21 freight provisions; 2) Developing a comprehensive and multimodal Statewide Freight Mobility Plan; 3) Convening and managing the Statewide Freight Advisory Committee; 4) Developing Statewide Freight Policies; 5) Developing and carrying out strategic plan for TXDOT's activities for addressing freight issues; 6) Communicating and coordinating with all constituencies within TXDOT and external. Ms. Mays is an active member of several professional organizations and received her Bachelor's degree in Urban and Regional Planning from the University of Waterloo Canada and a Master's degree of Science in Planning from the University of Toronto Canada.

Matt Nelson, Manager of Regional Water Planning, Texas Water Development Board

Mr. Nelson manages the Regional Water Planning program at the Texas Water Development Board. He has over 20 years of public and private sector experience in geotechnical, environmental, and water resources engineering consulting, construction management, and water resources planning. Mr. Nelson has a Bachelor of Science in Civil Engineering from University of California, Berkeley and a Master of Public Affairs from University of Texas, Austin.

Kelley Neumann, PE, Senior Vice President Strategic Resources, San Antonio Water System

Ms. Neumann serves as the Senior Vice President of Engineering for the San Antonio Water System. Ms. Neumann oversees a staff of 250 engineers, technicians, planners and construction inspectors with responsibility for the planning, development and execution of the over \$250 million dollar annual water and wastewater construction program. Ms. Neumann joined SAWS in 1992 and has had a variety of assignments in Engineering and Operations. Prior to joining SAWS, she worked at the San Antonio International Airport and was in the Army Corps of Engineers. Ms. Neumann is a graduate of the University of Texas at Austin with a Bachelor of Science in Civil Engineering. She also received a Masters of Public Administration from the University of Texas at San Antonio and is a graduate of the Army Command and General Staff College.

Colonel Christopher Sallesse, Galveston District Commander, USACE

Colonel Sallesse became commander of the Galveston District July 7, 2010. Prior to this assignment, he attended the Industrial College of the Armed Forces at Fort McNair, Washington D.C., and earned a Master's degree in Strategic Resources. Following graduation in 2008, Colonel Sallesse served as Chief, Programs Integration Division, Assistant Chief of Staff, Installation Management, the Pentagon. In 2006, he assumed command of the 92nd Engineer Battalion (C)(H), 3rd Infantry Division, Fort Stewart, Ga., and deployed his battalion in support of Operation Iraqi Freedom V. In 2004, Colonel Sallesse was assigned to the U.S. Army Corps of Engineers, Galveston District, as the Deputy District Commander. In 1986, he graduated from Pennsylvania State University with a Bachelor of Science degree in Ceramic Science and Engineering, and received his commission through Army ROTC. Colonel Sallesse's awards and decorations include the Bronze Star Medal (3), Meritorious Service Medal (7), Army Commendation Medal (2), Army Achievement Medal (4), National Defense Service Medal (2), Armed Forces Expeditionary Medal, Southwest Asia Service Medal (2), Global War on Terrorism Expeditionary Medal, Global War on Terrorism Service Medal, Armed Forces Service Medal, Army Service Ribbon, Overseas Ribbon, Saudi Arabian Kuwait Liberation Medal, Kuwaiti Kuwait Liberation Medal, Parachutist Badge, Air Assault Badge and Sapper Tab.

Walter E. Skipwith, PE, D.WRE, Halff Associates, Inc.

Mr. Skipwith is Chairman of the Board at Halff Associates and a 30+ year veteran of flood insurance mapping and floodplain management projects in the Southwest. In his early career, he prepared flood mapping that became the basis for the original Flood Insurance Rate Maps in many Texas Counties. Mr. Skipwith has been the project manager for DFIRM preparation in 20 Texas counties under FEMA's Map Modernization initiative. He has directed the analysis and coordination efforts between FEMA, the US Army Corps of Engineers, municipalities and levee boards for the certification/accreditation of more than 20 levee systems in Texas. Most recently, he has assisted and continues to assist seven Texas levee and drainage districts on compliance and remediation issues. He was invited by the National Committee on Levee Safety to speak on levee issues in Texas at the October 6, 2010 committee workshop in Dallas. He was elected Chairman of the Board of Directors at Halff Associates in 2010 and is also Chairman of the Hawley Foundation Board of Trustees which awards annual fellowships to graduate students in Water Resources Engineering.

Jill L.R. Shaw, Emergency Preparedness Manager, Dallas Area Rapid Transit

Ms. Shaw has been with DART for ten years as their first Emergency Preparedness Manager. She is responsible for the development, implementation and administration of comprehensive agency-wide preparedness and security awareness programs and works with local and regional planners and responders to coordinate emergency transportation support. Along with emergency preparedness, Ms. Shaw also directs Crime Prevention Through Environmental Design (CPTED) studies of DART facilities, manages DART Police community relations, coordinates with TSA and the FTA on transit security issues and provides security awareness information and training for employees and passengers. She is a member of the APTA Security and Emergency Management Standards Working Group which develops recommended practices and standards for implementation throughout the transit industry. Before joining DART, Ms. Shaw served for 20 years in the US Air Force. Her last assignment was as the Chief of Exercise Evaluations at Sheppard AFB where she trained and led a team of over 70 evaluators for preparedness and response exercises at the Air Force's largest technical training base. Prior to Sheppard, she was assigned to the HQ Army Air Force Exchange Service as a Contingency Planning

Officer and oversaw the natural disaster planning and response for over 10,000 retail facilities world-wide. During this assignment, she coordinated with the State Department, Departments of Defense, Army, Navy and AF and local commanders for humanitarian and disaster relief for states and countries hit by Hurricanes Mitch, Georges, Dennis and Floyd and managed the establishment and re-supply of retail operations to support the United Nations Peacekeeping Mission in Kosovo. Ms. Shaw has a Bachelor of Science from the US Air Force Academy and a Master of Science from Air Force Institute of Technology.

French F. Thompson, III, Director of Public Private Partnerships, BNSF Railway

Mr. Thompson currently serves as Director of Public Private Partnerships for the MidCon Corridor of BNSF Railway. The MidCon Corridor comprises of eleven states and one Canadian Province that ranges from Winnipeg, Manitoba to Brownsville, TX. His role encompasses forging partnerships between public entities and BNSF to develop mutually beneficial projects that can improve public livability and railroad efficiency. Before beginning his career at BNSF, Mr. Thompson obtained two Bachelor of Science degrees in Applied Physics (Morehouse College of Atlanta, GA) and Civil Engineering (The University of Michigan of Ann Arbor, MI). Mr. Thompson has been with BNSF for seven years and has held numerous roles of increasing responsibility, from a Kansas City based Project Engineer to a Manager of Engineering. He served as a Roadmaster in Oklahoma City, where he worked to coordinate the entire BNSF infrastructure modifications needed to accommodate the new I-40 Relocation. He also served as the Manager of Public Projects for the states of Illinois, Iowa, and Wisconsin where he coordinated with federal and local municipalities to accomplish crossing closures, quiet zones, crossing safety upgrades, grade separations and other various BNSF and public coordinated projects. His most recent role was Manager of Engineering, where he managed BNSF's capital expansion program across the upper mid-west from Chicago to Whitefish, Montana. Some of the projects included managing BNSF's 2012 capital expansion program for the North Dakota Bakken Oil region and the CREATE Public Private Partnership in Chicago.

David Yarbrough, Deputy Director, Arkansas/Oklahoma Port Authority

Mr. Yarbrough is a licensed and registered Professional Engineer, and an Oklahoma State University graduate with a B.S. degree in civil engineering. He spent the first 15 years of his career as a design engineer and project manager for land development, infrastructure, and commercial site projects in Kansas and Oklahoma. In 2006, Mr. Yarbrough joined the staff of the Tulsa Port of Catoosa as Manager of Operations, and in 2008 was promoted to Deputy Port Director. As Manager of Operations of the Tulsa Port of Catoosa, David's responsibilities include planning and management of new Port projects as well as maintenance of the existing infrastructure at the 2,500 acre Port industrial facility which is currently home to over 65 facilities, and the maintenance and upkeep of over 12 miles of private roadways, 15 miles of private railroad track, and 3 miles of navigable waterfront. Mr. Yarbrough also oversees operations of the Port towboat fleet service and the Port's switching railroad. As Deputy Director, David assists in Port marketing, lease negotiation and administration, and serves as legislative liaison with both State and Federal elected officials representing the interests of the both the Port of Catoosa and the McClellan-Kerr Arkansas River Navigation System. Currently, Mr. Yarbrough is serving as president of the Arkansas Oklahoma Port Operators Association.

Tom Yarbrough, PE, Bridge Management Engineer, Texas Department of Transportation Bridge Division

Mr. Yarbrough has 30 years of engineering experience, with 20 years in transportation engineering. His current position is Bridge Management Engineer for TxDOT, where he is responsible for development, enhancement, and day-to-day maintenance of the bridge inventory and inspection database, and the development of tools and applications for various bridge-related data, including condition history and cost information, which is used in prioritizing bridge repair, rehabilitation, and replacement work. Prior to accepting the Bridge Management Engineer position, he worked for 15 years as a research engineer overseeing structural research projects sponsored by TxDOT and conducted by Texas public universities. After receiving his BSCE from the University of Texas at Austin in 1983, he worked as a design engineer for various consulting engineering firms in Austin, Washington D.C., Boston and Dallas, where he worked on transportation and other civil infrastructure projects, including roadways, pump stations, tunnels, and water treatment and distribution facilities. Mr. Yarbrough also was employed by the U.S. Army Corps of Engineers from 1990 to 1993, where he served as project engineer on numerous ship channel dredging,

navigation aid, and flood control projects in the Port Arthur, Texas area. Mr. Yarbrough has been a registered professional engineer in the State of Texas since 1989, and is an avid motorcycle enthusiast.

Rumanda Young, Ph.D., RLA, AICP, LEED AP Regional Technical Specialist Fort Worth District, U.S. Army Corps of Engineers

Dr. Young is a Registered Landscape Architect (RLA) in the state of Texas, a LEED AP ND, and a Certified Planner (AICP). She holds a bachelor's degree in landscape architecture (BLA) from the University of Arkansas, a master's degree in city and regional planning (MCRP) with environmental planning emphasis from the University of Texas at Arlington, and a Ph.D. in urban planning and public policy. Dr. Young also spent time abroad in Cheltenham, England at the University of Gloucestershire focusing on sustainable development practices, environmental planning, and resource management. Dr. Young has eight years of private practice experience, six of which working with the firm Carter & Burgess, Inc. She was involved in a variety of work including a wide range of park and recreational planning and design projects. Dr. Young currently works as a Regional Technical Specialist in Sustainability with the U.S. Army Corps of Engineers, in the Planning, Environmental, and Regulatory Branch. Dr. Young is involved in a variety of work including a wide range of military planning, programming, and design projects which focus on the impacts of development on human health and the environment, and improvements through better siting, design, construction, operation, and maintenance of military projects. Dr. Young is also an adjunct professor at the University of Texas at Arlington, School of Architecture, Southern Methodist University, and the University of Colorado Boulder.



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This year, Atkins celebrates 75 years of engineering excellence and has grown and differentiated itself as one of the world's leading infrastructure designers. Atkins also understands the vital importance of being "local"—of having deep roots in the communities in which we live and work. Our experience and office network span the nation. Our understanding of local requirements, practices, and culture allows us to be true partners with our clients. Atkins' core services encompass engineering, planning, construction management, program management, environmental science, geomatics, architecture, landscape architecture, emergency management, asset management, and information technologies. Our clients represent a mix of both the public and private sectors and include regional, state, and federal agencies; counties and municipalities; development companies; airports; energy providers; toll road agencies; and contractors. Contact: Marvin.Fisher@atkinsglobal.com

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Encotech Engineering Consultants is a full service engineering firm specializing in MEP, Structural, Transportation and Civil Engineering. Encotech was founded in 1990 by President and CEO Ali Khataw. With offices in Austin and San Antonio, the firm has grown steadily over the past 22 years, taking on increasingly complex roles in engineering design and project management. In October of 2012, Mark Isaak joined the firm as a principal to add civil and transportation to the existing practices in MEP and Structures. Contact: Mark.Isaak@eec-tx.com

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