PRESS RELEASE

FOR IMMEDIATE RELEASE

CONTACT: Anita R. Garrahan
agarrahan@gpinet.com
631-587-5060

EMILIO C. SOSA, P.E. JOINS GPI

Babylon, NY – Emilio C. Sosa, P.E. has joined Greenman-Pedersen, Inc. (GPI), an engineering and construction services firm, as director of advanced transportation systems and technology in its Babylon, NY office.

In his new position, Mr. Sosa will provide senior project management related to intelligent transportation systems, integrated corridor management, connected vehicle systems, and traffic operations and special event planning. Having spent his entire career with New York State Department of Transportation, Region 10, Mr. Sosa held key positions with the Department culminating as the acting regional traffic engineer. He also served as director of traffic operations for 13 years and director of the INFORM Transportation Management System for 20 years. Mr. Sosa retired from NYSDOT in December 2015.

During his tenure with NYSDOT, Mr. Sosa was instrumental in developing the Long Island INFORM system, which is one of the nation’s largest and most advanced transportation management systems. Under his direction for 20 years, this system more than doubled in size and evolved from an FHWA demonstration project to an integral part of the region’s day to day operations, recognized both nationally and internationally. Some notable accomplishments during this time are: the conversion of the communication system from a linear coaxial cable based system to a fiber-optic backbone configured as a modified mesh network to ensure resiliency, redundancy and reliability; construction of a 35,000 square foot transportation management center (TMC) designed to meet all of the department’s current and future needs. In addition to its daily TMC function, the building was designed as the NYSDOT’s regional emergency operations center to be used during major events or emergencies; deployment of technology and systems to display travel time information along the major corridors, including the development of the Hybrid Travel Time Sign which uses a changeable message...
insert within a static sign panel as a cost effective means to display linear as well as alternate route information; deployment of an over-height vehicle warning system which consists of a sensor array integrated with a full color changeable message sign to alert the driver and a central alarm system with embedded video for the operators at the TMC to confirm the intrusion and take appropriate action. Mr. Sosa also has a significant amount of experience with inter-agency coordination/operations, emergency management and traffic planning for special events.

Mr. Sosa was also the project director for the design and implementation of the Connected Vehicle Infrastructure which was demonstrated at the 2008 ITS World Congress held in New York City. The corridor was not only designed to meet the needs of the 2008 World Congress VII Demonstrations but to remain in place and act as a test bed for the National Program. The overall corridor extends 42 miles along I495 from the Queens Midtown Tunnel to the INFORM TMC in Hauppauge. The corridor was integrated into a variety of real time and multi-modal information systems via the INFORM system. The real-time traveler information included travel times, incident alerts, and work zone notifications. Information was obtained from actual probe data, as well as existing traveler information sources in the region. INFORM applied relevant broadcast strategies to this information, compiled standards-compliant travel information messages, and provided the messages to the demonstration vehicles that were within the geographic range for which the information was relevant (geocoded). Numerous roadside and vehicle safety/mobility-related systems and services are currently being deployed as a result of the knowledge gained and concepts proven during this effort.

A professional engineer in New York State, Mr. Sosa earned his electrical engineering degree from Stony Brook University. He is a member of the Institute of Transportation Engineers, and the NYS Association of Transportation Engineers. He currently resides in Islip Terrace, NY.

Greenman-Pedersen, Inc. is an engineering firm that provides comprehensive services in the areas of transportation planning and design, traffic engineering, civil design, structural/bridge design, construction management and inspection, mechanical/electrical/plumbing design, sustainable design, municipal engineering, site planning, landscape architecture, environmental sciences, coastal and marine engineering, and geographic information system (GIS) and asset management services.

###