

TRANSCOMSM

Winner of the International Road Federation's 2017 Global Road Achievement Award (GRAA) for innovation in Traffic Management and Intelligent Transportation Systems

The Background

On October 30, 2017, TRANSCOM was the recipient of the International Road Federation's Global Road Achievement Award for "Traffic Management and Intelligent Transportation Systems", for developing Traffic Management and ITS solutions for its member agencies in the New York, New Jersey and Connecticut Region.

The award was presented at the International Road Federation's (IRF) Global Road Achievement Awards Ceremony held at the IRF's Middle East & North Africa Regional Congress & Exhibition, 2017 in Dubai, the United Arab Emirates. Each year, the International Road Federation recognizes projects from around the world, leading the way in innovation across major road & highway disciplines. This past year, the Global Road Achievement Awards were presented to 11 projects from nine countries from around the world. The selections were made by an international panel of senior road development specialists. This was the only award presented for a project in the United States.

Organizational Overview

TRANSCOM is a coalition of 16 transportation and public safety agencies in the New York – New Jersey – Connecticut metropolitan region. It was created in 1986 to provide a cooperative, coordinated approach to regional transportation management.

In 2016, the New York – New Jersey – Connecticut region had the highest population density in the United States with almost 24 million residents and commuters making over 2 billion multi-modal trips throughout the region. TRANSCOM encourages a cooperative, coordinated approach to these trips while working to improve mobility and safety. TRANSCOM also supports the development and deployment of the Intelligent Transportation Systems (ITS) for its member agencies. TRANSCOM operates a 24-hour Operations Information Center (OIC) that collects and disseminates real-time incident information. In addition, TRANSCOM operates a Regional Construction and Special Events Coordination Program that works with member agencies to avoid unknowingly restricting capacity on adjacent facilities. Moreover, TRANSCOM acts as a data clearinghouse by verifying, aggregating and infusing data together to create a real-time view of regional road and rail networks.

The Traffic Management and Intelligent Transportation Systems Solutions

TRANSCOM created and now manages five Traffic Management and ITS Systems that work to improve the quality, timeliness and dissemination of multi-modal transportation information.

These ITS systems use a variety of open standards which include but are not limited to: GTFS, SIRI and TMDD.

- TRANSCOM OpenReach – a network of terminals and servers installed in member agency operations centers.
- TRANSCOM Data Fusion Engine – the data fusion engine collects real-time and historical information (e.g., speed and travel time) referenced to a single regional multi-modal transportation network (links, nodes) model. Model exceeds 250,000 road and rail segments.
- TRANSCOM SPATEL (Selected Priorities Applied To Evaluated Links) Suite of Tools – an archive of historical speed and incident data analysis tools, and performance measurement tools.
- TRANSCOM Middleware – provides an ITS standards-based interface for center-to-center communications.
- TRANSCOM Data Exchange – a secure API that allows agencies, including centers and devices, to access real-time transportation information gathered by TRANSCOM.

For more information about the award, or, the ITS Systems, please feel free to contact:

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