**Presents March 2024 Webinar:**

# iRoad: Interagency Roadway Optimization Analytics Dashboard

In facilitating informed decision-making across a spectrum of influential agencies, including NYSDOT, MTA B&T, PANYNJ, NYCDOT, and FHWA, the collaborative efforts of NYSDOT, HDR, and KLD have developed a transformative tool in the form of iRoad (Interagency Roadway Optimization Analytics Dashboard). This web-based solution is a game-changer in expediting high-level traffic analyses, offering swift insights/impacts of roadway closures within the intricate urban landscape of New York City.

iRoad is capable of assimilating critical data, including traffic volume metrics, speed data, and crash records, and leverages cutting-edge machine learning algorithms to construct traffic flow maps. These diverse base maps and the development of an intelligent diversion algorithm, are all engineered to deliver rapid and in-depth high-level traffic analyses.

While initially conceived to address the demands of work zone traffic control applications, iRoad also offers a toolbox of planning applications and adaptable filtering tools, transportation professionals to navigate a diverse range of projects across the city.

**Speaker: Luigi Casinelli, P.E., PTOE** Luigi Casinelli is a Senior Professional Associate, and the Traffic and ITS/Mobility lead in HDR's New York and New Jersey area. He is a licensed Professional Engineer in the states of NY, NJ, and CT. He is a board-certified Professional Transportation Operations Engineer with over 25 years of experience specializing in managing and developing traffic and transportation engineering studies for various public agencies locally and throughout the United States, Canada, and the Middle East. His recent experience includes managing all Port Authority of New York and New Jersey traffic signals, NYCDOT ITS Contract, NYSDOT Interagency Construction Coordination Project, and NJDOT Safety Resource Center Support.

**Speaker: Paul Brueckner** leads the ITS & Data Analytics practice at KLD Engineering and has overseen projects of not only ITS deployments in the US and overseas but also projects that require complex data analyses to support traffic planning and traffic simulation efforts. He is very well-versed in traffic simulation models and has applied GIS and spatial analyses to integrate traffic models and spatial databases. He oversees the development of data dashboards for real-time systems, such as the ACDSS and Midtown in Motion, traffic mobility monitoring, as well as for the analysis of complex data sets. He currently oversees projects involving the deployment of the ACDSS adaptive control system and the development of large-scale multi-resolution traffic simulation models.

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| **Date:** | **3/11/2024** |
| **Time:** | **Lecture from 6:00 PM – 7:00 PM EST** |
| **Location:** | **Virtual & HDR Office, 500 7th Avenue, 15th Floor, New York NY 10018** |
| **Continuing Education:** | 1 PDH |
| **Cost:** | **Non-members** – $20 *(Become an ASCE member and SAVE!)* |
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