



BUREAU OF RESEARCH



TECH TALK!

Brown Bag Lunch Session

Date: July 17, 2017

Time: 12:00 - 1:15 pm

Location:

E&O Building, 2nd Floor
Training Room A
NJ DOT Headquarters
1035 Parkway Avenue
Trenton, NJ 08625

PRESENTED BY

Hani Nassif, PE, Ph.D.
Professor and Director
RIME Group
Rutgers University

TO ATTEND

Please register at:

[https://
njdotprettyfacade.eventbrite.com](https://njdotprettyfacade.eventbrite.com)



More than a Pretty Face(ade): Meeting Safety & Historic Requirements in Concrete Barriers

Dr. Nassif will speak about his recent research on design, modeling, and crash testing of open-faced concrete barriers. The RIME Team developed an open-faced concrete balustrade design that meets the aesthetic requirements of the Historic Preservation Office (HPO) and the safety requirements of FHWA using computer simulation (detailed finite element analysis via LS-DYNA) and full-scale crash testing according to MASH TL-4 safety performance criteria. This historical and crash-tested barrier can be used to replace similar barriers nation-wide while maintaining safety and retaining its aesthetic shape.

NJ PE credit available