



TRB  **2020**
ANNUAL MEETING

99TH Annual Meeting
Washington, D.C.
January 12–16, 2020

DIVISION OF MULTIMODAL SERVICES

MULTIMODAL GRANTS & PROGRAMS

Shadman Mohammad



TRB Sessions Attended

- Current Research in Intermodal Freight Transportation
- Railway Capacity and Performance
- Future of North American Freight Rail Transportation
- Future of Advanced Positive Train Control
- Future Train Control Technologies
- Improving Track Performance and Inspection
- Advances in Freight Rail Transportation



Future of North American Freight Rail Transportation

- ❑ Effect of E-commerce on freight network
- ❑ More short haul rail freight network
- ❑ New Investment on Infrastructure and technology

New technology in Rail Freight

- ❑ New Smart Track Inspection Methods
- ❑ Wireless Sensor Network, ETCS & PTC
- ❑ Precast Concrete Ties & Plastic Composite Ties

Using Drones for Railway Maintenance, Safety, Security

- ❑ Drones for railways and real world benefits
- ❑ Drones have become new rail workers
- ❑ Drones will change the future of railways





Takeaways

- ❑ Trucking industry is way ahead of Rail industry in terms of new technologies.
 - ❑ NJDOT providing financial assistance to Rail Freight Companies to be in competition with Truck.
 - ❑ It is time to provide assistance to rail companies to invest money on new technologies.
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