

# **James Keane**

## **NJ TRANSIT**

### **SVP & Chief Safety Officer**

*The views expressed in this presentation are solely those of the presenter and are not attributable to APTA.*

# Jim Keane

- **Port Authority of New York & New Jersey**

- Red Cap – Port Authority Bus Terminal – Temporary Summer Job
- General Manager, Agency Operations Safety
- ACI-NA & APTA Risk Management Committees Past Chairperson
- FTA Transit Advisory Committee for Safety TRACS 2022-2024 Chairperson
  - Retired PANYNJ October 2023 – 47 Years 5 months Service

- **Adult Educator**

- Embry-Riddle Aeronautical University – McGuire Air Force Base and FAA Hughes Technical Center, Atlantic City International Airport
- Fairleigh Dickinson University
- Rutgers University – Certified Public Manager Program

- **NJ Transit**

- Senior Vice President & Chief Safety Officer
  - September 11, 2023, onward...

# State Safety Oversight Agency (SSOA) Experience

## Port Authority of New York and New Jersey

- Fatal Accident AirTrain JFK
- Port Authority Safety Board Investigation
- NTSB Investigation & Recommendations
- PA AirTrain Safety Oversight Board (PA ATSOB) SSOA Created
- Program Standard Created
- AirTrain Newark
- AirTrain JFK
- AirTrain LGA

## New Jersey Transit

- NJT Agency Wide Public Transportation Agency Safety Plan – NJ DOT SSOA & NY PTSB
- NJT New York Bus Operations & NJT NY Rail Operations – NY PTSB
- Newark Light Rail – NJ DOT SSOA
- RiverLINE – NJ DOT SSOA
- Hudson Bergen Light Rail – NJDOT SSOA
- Glassboro Camden Line – Future NJDOT SSOA

# **PA SSOA Experience**



- Port Authority of New York and New Jersey
  - AirTrain Newark
  - AirTrain JFK
  - AirTrain LGA



The Beginning of PA SSOA Experience, September 27, 2002, ~1225 hours

# NTSB Important Legal Information

- **PART 801—PUBLIC AVAILABILITY OF INFORMATION**
- **Authority:**[49 U.S.C. 1113\(f\); 5 U.S.C. 552; 18 U.S.C. 641, 2071; 31 U.S.C. 3717, 9701; 44 U.S.C. Chapters 21, 29, 31, and 33.](#)
- **Source:**[82 FR 58356](#), Dec. 12, 2017, unless otherwise noted
- **PART 831—INVESTIGATION PROCEDURES**
- **Authority:**[49 U.S.C. 1113\(f\). Section 831.15](#) also issued under Pub. L. 101-410, 104 Stat. 890, amended by [Pub. L. 114-74](#), sec. 701, 129 Stat. 584 ([28 U.S.C. 2461 note](#)).
- **Source:**[82 FR 29685](#), June 29, 2017, unless otherwise noted

# PA SSOA Experience

- Newark AirTrain
  - Opened May 21, 1996 - \$354m
  - Northeast Corridor Connection – Open October 21, 2001 - \$400m
- Von Roll, ADTRANZ
- Bombardier Transportation - Alstom
- 18 Von Roll Mark III Trainsets, 6 cars each – 3-mile system – 20 mph
- Elevated Guideway – 600 volt power
- 5 Stations – 8 Originally
- Replacement – Doppelmayr – Cable Liners, Tutor Parini, Parsons \$3.5b+





# PA SSOA Experience

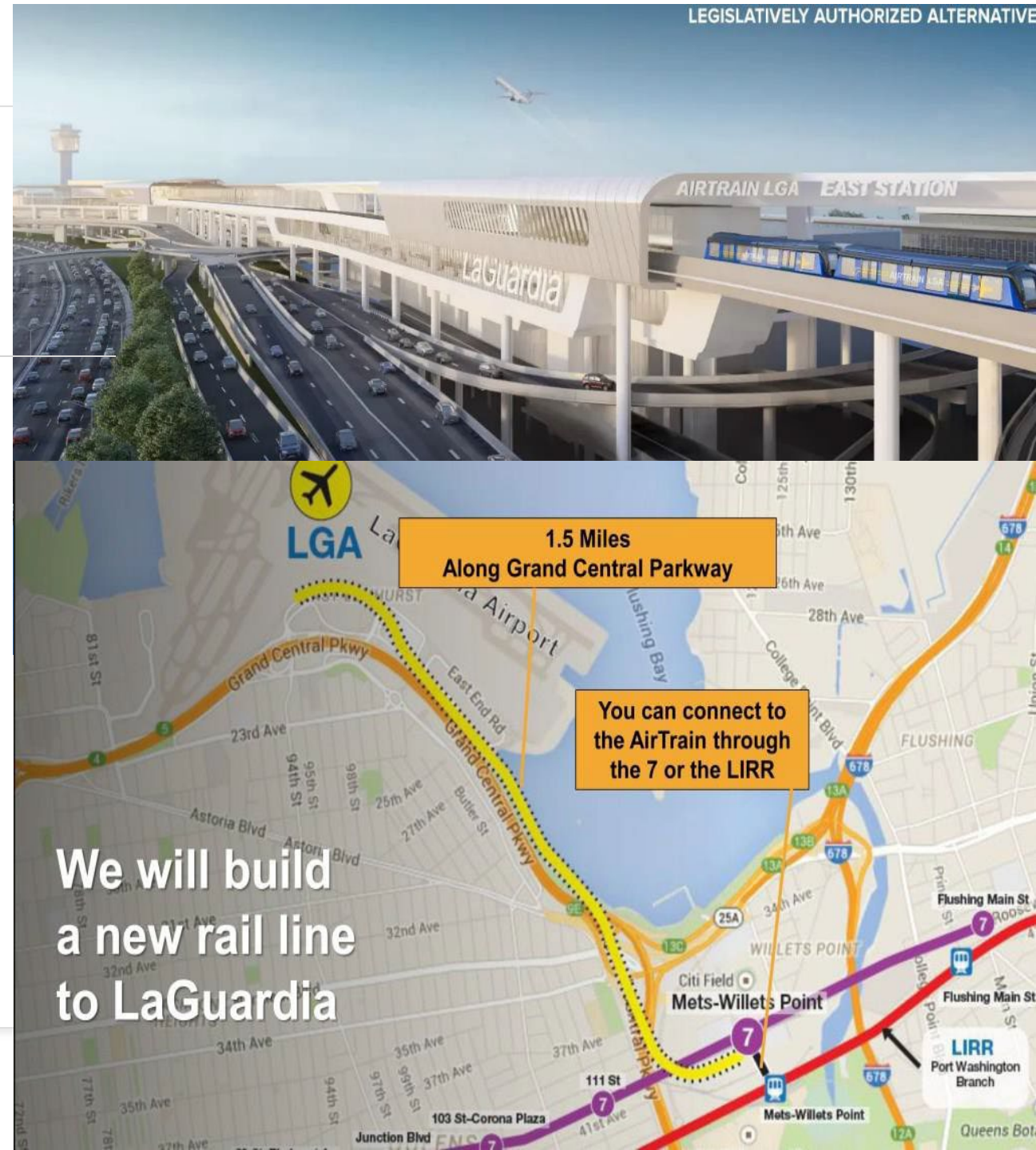
- AirTrain JFK
- Fatal Testing & Commissioning Accident – September 27, 2003, ~1225 hours
- December 17, 2003, System Opened
- Bombardier Transportation - Alstom
- 32 Innovia Metro ART 200 – 8-mile system – 60 mph
- Standard Gauge (56 ½") – 750-volt Third Rail
- 9 Stations – 3 Lines
- Elevated Guideway, at Grade, Tunnel





# PA SSOA Experience

- AirTrain LGA
- \$450m Initial Project Estimate
- 1.5-mile Elevated Guideway – 3 Stations
- Standard Gauge (56 1/2") – 750-volt Third Rail – Elevated Guideway
- Vehicles Similar to AirTrain JFK
- \$2.4b+ Revised Project Estimate
- Cancelled March 2023



# PA SSOA EXPERIENCE

## AirTrain LaGuardia



## Airtrain LaGuardia – Alternatives

- 14 Alternatives Reviewed
- 3 Member Panel Recommended
- MTA Q70 Bus Frequency Increase
- BQE Expressway Express Lane Option
- PANYNJ Shuttle Bus Operation
  - Astoria-Ditmars Boulevard Station  
Connecting with MTA N Train Service  
Weekdays and MTA W Train Weekends

**NJT SSOA EXPERIENCE**

**NJT TRANSIT**

# NJT SSOA Experience

- NJ Transit
  - NJT Agency Wide Public Transportation Agency Safety Plan
    - NJ DOT SSOA
    - NY DOT PTSB
  - NJT New York Bus Operations
    - NJ DOT SSOA
    - NY DOT PTSB



**NJTRANSIT**





# NJT SSOA Experience

- **NJ Transit**
  - **Newark Light Rail – NJ DOT SSOA**
  - **RiverLINE – NJ DOT SSOA**
  - **Hudson-Bergen Light Rail – NJDOT SSOA**
  - **Glassboro Camden Line – Future NJDOT SSOA**



**Fixed Guideway,  
State Safety Oversight  
Agency (SSOA)**





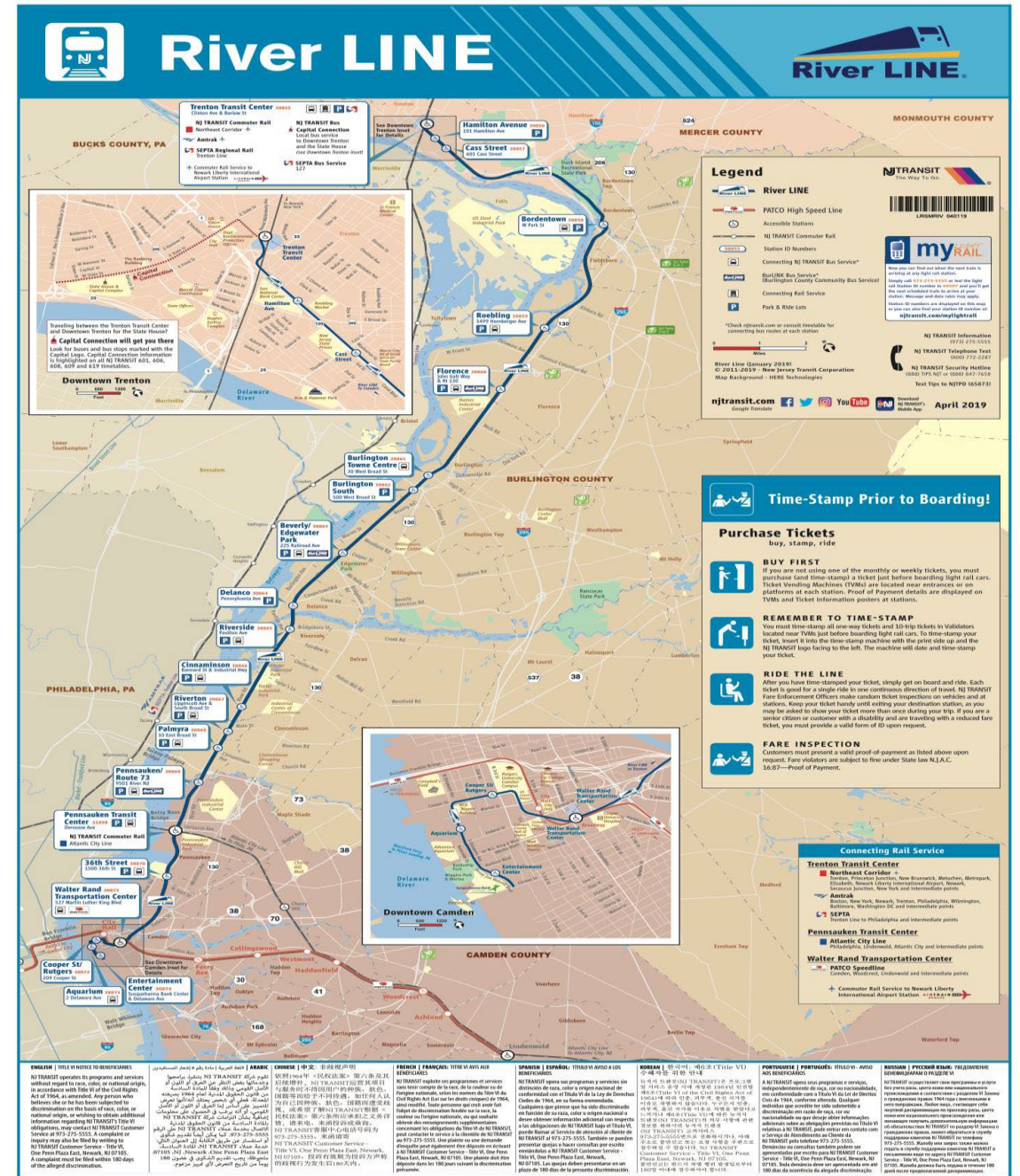


# Newark Light Rail Kinkisharyo Vehicles



# NJT SSOA Experience

- RiverLINE Light Rail System – 2004
  - Camden & Amboy Railroad 1830
  - Bordentown Branch
- SNJRG – Bechtel - Bombardier Transportation JV / Alstom
- Standard Gauge (56 ½”) - 34 miles - 65 mph MAS – 21 Stations
- 20 Stadler GTW Light Rail Vehicles
- ROW – At Grade, Street & Bridge
- Temporal Separation
  - NJT 0530 to 2210 Sunday to Friday
  - Conrail Operates All Saturday Night into Sunday Morning, Other Hours







## RiverLINE – Stadler GTW Light Rail Vehicles









**Hudson-Bergen Light Rail Kinkisharyo Vehicles**



# NJT SSOA Experience

- Planned Glassboro-Camden Line (GCL)
- Operator to be determined
- Standard Gauge (56 1/2") – 18 miles – MAS TBD
- Biofuel Multiple Unit (MU) Light Rail Vehicles
- ROW – Grade, Bridge
- 14 Stations – Camden and Gloucester Counties
- Temporal Separation Potentially



# Glassboro-Camden Light Rail Vehicle Concept

## TRAIN TYPE

- The GCL Team is evaluating the latest and alternative technologies and working with vehicle suppliers as part of the preliminary design phase.
- Under consideration:
  - Self-powered, zero emission, and biofuel vehicles (MUs) are being explored.
  - Train type needs to operate in the existing mixed-use rail corridor.
  - Two-car train sets will have capacity for up to 300 passengers.
  - Low-floor cars for level boarding and ADA accessibility.

# SSOA – What's Working

- FTA Headquarters
  - FTA Chief Safety Officer Joe DeLorenzo
  - Office of Transit Safety Oversight -TSO Team
- FTA Regional Administrators
  - 10 Regional Teams
- FTA State Safety Oversight Agencies
  - 31 Certified State Safety Oversight Programs
  - Multiple SME Consultancies
  - Risk Based Inspection Program
- USDOT Office of the Secretary Transportation Safety Institute (TSI)
- National Public Transportation Safety Plan Revised
- Public Transportation Agency Safety Plans (PTASP)
- Public Transportation Safety Certification Program (PTSCTP)
- Transit Safety and Security Program (TSSP)



# SSOA – Opportunities

- My personal thoughts....
- Create Triennial Plus Evaluation Program
- Revisit FTA SSOA Funding Allocation Methodology
- Create FTA Enforcement Effectiveness Evaluation Team
- Lessons Learned - Captured and Communicated



**Federal Transit  
Administration**

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