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Appendix A: Advocacy and Outreach

Office of Aviation Safety

The Office of Aviation Safety conducted or participated in 80 events in 2023. The most significant of these are highlighted below.

Testimony Before Congress

J. Sedor. "Unmanned Aircraft Systems and Aircraft Midair Collisions." Briefing to House Transportation and Infrastructure Committee staff; Washington, DC; April 2023.

Presentations and Briefings

S. Woods. "Small Safety Management Systems." Transportation Research Board; Washington, DC; January 2023.

D. Sevillian. "System Safety and Aircraft Certification Issues in Aircraft Accident Investigation." NASA Research Center; Hampton, Virginia; January 2023.

K. Wilson. "NTSB Fatigue Methodology." Transport Safety Board of Argentina; February 2023.

P. Suffern. "Recent NTSB Weather-Related Accidents Across the Southeastern United States." Gulf Coast Aviation Weather Safety Workshop; Westwego, Louisiana; February 2023.

W. Abrams. "An Introduction to NTSB Crash Investigations." Middle Tennessee State University Safety Symposium; Murfreesboro, Tennessee; February 2023.

K. Dunks. "General Aviation Accident Investigations" and "Maintenance-Related Accident Investigations." Montana Aviation Conference; Billings, Montana; March 2023.

B. Banning, B. Bramble, C. Johnson, and V. McKenny. "Accident Case Study: Collision into Terrain, Safari Aviation Inc., Airbus AS350 B2, Kekaha, Hawaii." HeliExpo; Atlanta, Georgia; March 2023.

B. Koschig. "Runway Incursions: Pilot Deviations, Operational Incidents, and Vehicle/Pedestrian Deviations." Presentation to Regional Runway Safety Summit; Boston, Massachusetts; June 2023.

K. Dunks. "Mastering Maintenance: Tools to Prevent Aircraft Accidents." Experimental Aircraft Association AirVenture; Oshkosh, Wisconsin; July 2023.

D. Eick. "NTSB Weather-Related General Aviation Accidents." Experimental Aircraft Association AirVenture; Oshkosh, Wisconsin; July 2023.

A. Taylor. "Seat Belts and Shoulder Harnesses—More Complicated Than You Think!" Experimental Aircraft Association AirVenture; Oshkosh, Wisconsin; July 2023.

S. Woods. "When Bias Goes Bad." Experimental Aircraft Association AirVenture; Oshkosh, Wisconsin; July 2023.

K. Wilson. "Pilot Professionalism: How Small Changes Can Make a Big Impact." Experimental Aircraft Association AirVenture; Oshkosh, Wisconsin; July 2023.

C. Crookshanks. "TransAir Flight 810, Boeing 737-200 Search and Recovery." International Society of Air Safety Investigators; Nashville, Tennessee; August 2023.

S. Silva. "Saab 2000 Runway Excursion in Dutch Harbor, Alaska." International Society of Air Safety Investigators; Nashville, Tennessee; August 2023.

B. Banning. "NTSB Go-Team Training." Air Line Pilots Association Safety Forum; Chicago, Illinois; September 2023.

K. Dunks. "NTSB News: Where We Are and the Path Ahead." General Aviation Manufacturers Association Workshop; Dallas, Texas; September 2023.

Participation on Panels

S. Stein. "NTSB Case Study and Panel Discussion: Truckee, California, Challenger 605 Accident—Identifying the Safety Focus through the Causal Factors." National Business Aviation Association Business Aviation Convention and Exhibition; Las Vegas, Nevada; October 2023.

Instruction or Instructional Presentations

A. Taylor. "Accident Investigation a Survival Factors Perspective." Transportation Safety Institute; Oklahoma City, Oklahoma; February and August 2023.

Participation in/Attendance at Meetings and Conferences Hosting

S. Williams and B. Bramble. Participation in NTSB-Hosted Webinar and Roundtable Discussion, "Implementing an SMS in Small to Mid-sized Aviation Operations." Washington, DC; May 2023.

C. Johnson. Participation in Helicopter Association International Safety Working Group; Washington, DC; June 2023.

M. Frantz, D. Broadwater, J. Carter, M. Folkerts, K. Wilson, S. Woods, A. Taylor, and K. Dunks. Participation in Experimental Aircraft Association AirVenture; Oshkosh, Wisconsin; July 2023.

J. Sedor. Attendance at US Space Force Space Safety Conference; Colorado Springs, Colorado; August 2023.

L. Schiada, B. Bramble, L. Ward, and F. Hilldrup. Attendance at International Society of Air Safety Investigators; Nashville, Tennessee; August 2023.

J. Sedor. Participation in Global Aerospace Summit; Washington, DC; September 2023.

Office of Highway Safety

The Office of Highway Safety conducted or participated in 25 events in 2023. The most significant of these events are highlighted below.

Presentations and Briefings

K. Poland. "NTSB Electric Vehicle Fire Investigations—Hazards Associated with High Voltage Lithium-Ion Battery Fires." TRB Annual Conference; Washington, DC; January 2023.

E. Becic. "Benefits and Limitations of ADAS: Crash Investigation Perspective." SAE Government and Industry Conference; Washington, DC; January 2023.

R. Molloy. "NTSB Update for NSA." National Sheriff's Association Conference; Washington, DC; February 2023.

K. Poland, M. Watters. "Vehicle Autonomy Levels: Reflections on Safety." Webinar for the American College of Occupational and Environmental Medicine; February 2023.

T. Barth. "Hazards Associated with Electric Vehicle Lithium-Ion Battery Fires." Presentation at UL's Fire Safety Research Institute and the District of Columbia Fire and EMS Department Lithium-Ion Battery Symposium: Challenges for the Fire Service; Alexandria Virginia; March 2023.

R. Marshall. "Alcohol, Other Drug & Multiple Drug Use Among Drivers: NTSB's Efforts to Reduce Impaired Driving." Lifesavers 2023 Conference; Seattle, Washington; April 2023.

M. Fox. "Safety Issues from the Phoenix, Arizona Investigation." International Milk Haulers Association Annual Convention; Chandler, Arizona; April 2023.

T. Barth. "Update on NTSB Investigations of the Fern Hollow Bridge Collapse and Battery Electric Transit Bus Fires." Infraday Mountain States Conference; Denver, Colorado; July 2023.

S. Currie. "NTSB Investigative Process; Review of Mt. Pleasant, Pennsylvania, Crash; and Lessons Learned." Upper Great Plains Transportation Institute (North Dakota State University) Conference; August 2023.

S. Currie. "NTSB Mission, Importance of Video Cameras, Connected Vehicle Tech, Collision Avoidance Technology, Finding, and Recommendations from Mt. Pleasant, Pennsylvania." Maine Motor Transport Association/Atlantic Provinces Trucking Association Annual Meeting; Rockland, Maine; September 2023.

K. Poland. "National History of School Bus Crashes and Lessons Learned." Ohio Governor's School Bus Working Group; Columbus, Ohio; September 2023.

Office of Marine Safety

The Office of Marine Safety conducted or participated in 24 events in 2023, which are listed below.

Presentations and Briefings

M. Turrell. "Office of Marine Safety Calendar Year 2022 Activities." Passenger Vessel Association Annual Convention at MariTrends 2023; Long Beach, California; January through February 2023.

M. Turrell. "NTSB 101 and Review of Significant Pilot Casualties." Meeting and Training Conference of the Mississippi River State Pilots' (New Orleans-Baton Rouge Steamship Pilots Association (NOBRA), the Associated Branch Pilots [BAR Pilots], and the Crescent River Port Pilots' Association); Covington, Louisiana; January, March, and June 2023.

M. Muise. "Navigation Related Incidents." American Waterways Operators Combined Regions Annual and Safety Meeting; Houston, Texas; February 2023.

B. Barnum. "Lessons Learned from Fires Aboard Passenger Vessels." US Coast Guard Marine Safety Detachment Belfast Passenger Vessel Industry Day; Belfast, Maine; March 2023.

B. Young. "Lessons Learned from Marine Casualty Investigations." US Coast Guard Sector Northern New England Annual Small Passenger Vessel Industry Day; South Portland, Maine; April 2023.

E. Stolzenberg. "Scoping the Investigation Report: What and How to Communicate to Readers." Europe MAIF; Copenhagen, Denmark; May 2023.

D. Johnston. "Investigating Human Factors." Meeting and Training Conference of the Mississippi River State Pilots' (NOBRA), the BAR Pilots, and the Crescent River Port Pilots' Association; Covington, Louisiana; June 2023.

M. Turrell. "NTSB Recommendation on Personal Locator Beacons." Radio Technical Committee (Maritime) Annual Convention; Jacksonville, Florida; June 2023.

M. Turrell. "Current Issues in US Major Marine Casualties." The Americas MAIF meeting; Buenos Aires, Argentina; August through September 2023.

M. Turrell. "Lessons Learned from Marine Casualty Investigations with Pilots." Keynote presentation; American Harbor & Docking Pilots Association Annual Convention; Charleston, South Carolina; September 2023.

D. Johnston. "Human Performance at the NTSB." Human Factors and Ergonomics Society Annual Conference (tour of NTSB Headquarters); Washington, DC; October 2023.

E. Stolzenberg. "Accident Investigation as a Prevention Tool: *El Faro* Lessons Learned." Regional Conference on Maritime Safety; November 2023.

B. Young. "Diesel Engine Failures Resulting in Marine Casualty Investigations." US Coast Guard District 1 (New England) Prevention Conference; Niantic, Connecticut; December 2023.

Instructional Presentations

M. Muise. "Introduction to NTSB Investigations." US Coast Guard Investigating Officer Course; Yorktown, Virginia; February and May 2023.

B. Young. "Lessons Learned from Passenger Vessel Casualty Investigations (*Tahoe Queen, Caribbean Fantasy, Island Lady, and Capt. Kirby Dupuis*)" and "Lessons Learned from Passenger Vessel Casualty Investigations (*El Faro, Tahoe Queen, Caribbean Fantasy, Island Lady, and Capt. Kirby Dupuis*)." Guest lectures for State University of New York Maritime College cadets; Ft. Schuyler, New York; April 2023.

Participation in/Attendance at Meetings and Conferences

D. Johnston. Participation on IMO Sub-Committee on Human Element, Training and Watchkeeping; February 2023.

A. Ehlers. Participation on IMO Sub-Committee on Ship Systems and Equipment, London, United Kingdom; February through March 2023.

M. Turrell, E. Stolzenberg, A. Terrone, D. Johnston. Participation in Ship Operations Cooperative Program, Spring Maritime Autonomous Ship Symposium, Linthicum Heights, Maryland; April 2023.

J. Scheffer and M. Turrell. Attendance at 2023 SUNY Maritime Academy commencement ceremony and meeting with school leadership and US Coast Guard Captain of the Port of New York to discuss recruitment opportunities at the NTSB; Ft. Schuyler, New York; May 2023.

M. Muise. Participation on IMO Sub-Committee on Navigation, Communications and Search and Rescue; London, United Kingdom; May 2023.

D. Johnston. Participation on the Transportation Research Board Standing Committee on Marine Safety and Human Factors; Washington, DC; June 2023.

D. Johnston. Participation on NTSB Multimodal Emergent Technology for Investigators Working Group at the Seventh Biennial Conference on the Marine Transportation System, Innovative Science and Technologies Toward Greater Sustainability; Washington, DC; June 2023.

B. Barnum and M. Muise. Attendance at 2023 International Work Boat Show and Annual Submarine Symposium; New Orleans, Louisiana; November through December 2023.

M. Turrell. Coordinated demonstration session of the NOBRA and Maritime Pilots Institute vessel simulation program at NTSB headquarters; Washington, DC; September 2023.

Office of Railroad, Pipeline and Hazardous Materials Investigations

The Office of Railroad, Pipeline and Hazardous Materials Investigations participated in 23 events in 2023. The most significant of these events are highlighted below.

Presentations and Briefings

A. Garcia. "Recent NTSB Rail Grade Crossing Accident Investigations." National Academy of Sciences' Transportation Research Board's Annual Conference; Washington, DC; January 2023.

M. Hiller. and S. Lynum. "NTSB Rail and Pipeline Investigative Authority, Process, and Investigations." Presentation at National Joint Terrorism Task Force - Rail and Pipeline Security Conference; Fort Worth, Texas; April 2023.

R. Hall. "NTSB Pipeline Investigations." Presentation at American Gas Association Operations Conference; virtual, May 2023. D. Casaceli, J. Manutes. "The NTSB Investigation Process." Presentation at the Wheel Rail Interaction Conference; Minneapolis, Minnesota; June 2023.

M. Sweeney and A. Garcia. "Human Performance Investigations at the NTSB," Presentation at DOT's Human Factors Coordination Work Group Meeting; June 2023.

R. Hall. "NTSB West Reading, Pennsylvania, Investigation." Presentation at the American Gas Association Executive Leadership Safety Summit; Washington, DC; July 2023.

A. Garcia and Leah Walton. "Reporting Transportation Accidents: A Discussion with the Tribal Transportation Safety Management Systems Steering Committee." Presentation to the Tribal Transportation Safety Management Systems Steering Committee; July 2023.

R. Gordon and D. Mack. "The NTSB Investigation Process, Including Accident Case Studies." Presentation to the Brotherhood of Maintenance of Way Employees Union; Atlanta, Georgia; September 2023.

M. Hiller and S. Lynum. "NTSB Investigations and NTSB ANPRMs." Presentation to the National Association of Pipeline State Representatives; Bloomington, Minnesota; September 2023.

P. Stancil. "East Palestine, Ohio, Investigation and Hearing." Presentation at Transportation Research Board Quarterly Meeting; Washington, DC; September 2023.

S. Lyons. "Lessons Learned from NTSB Pipeline Investigations." Presentation at AGA PSMS Workshop; Pittsburgh, Pennsylvania; September 2023.

P. Stancil. "NTSB Tank Car-related Accident Investigations." Presentation at Association of American Railroads Tank Car Committee Meeting; Dallas, Texas; October 2023.

R. Frigo and K. Waldrup. "The NTSB Investigation Process and Safety Recommendations." Presentation at the 2023 FTA Joint State Safety Oversight and Rail Transit Agency Workshop; St. Louis, Missouri; November 2023.

Participation on Panels

A. Garcia. Co-chair. "Diversity, Equity and Inclusion in Tribal Transportation Access and Safety Panel." Annual Meeting of the National Academy of Sciences Transportation Research Board's Standing Committee on Native American Transportation Issues; Washington, DC; January 2023.

A. Garcia. Co-chair. "The State of Transportation Policy in Indian Country Lectern Session." Annual Conference of the National Academy of Sciences' Transportation Research Board; Washington, DC; January 2023.

Participation in/Attendance at Meetings and Conferences

S. Lyons. Attended American Society of Mechanical Engineers B31.8/B31.85 Committee Meeting; New Orleans, Louisiana; January 2023.

S. Lyons. Attended the American Gas Association Plastic Pipe Database Committee Meeting; Washington, DC; February 2023.

S. Lynum and K. West. Attended Pipeline Technology Conference; Berlin, Germany; May 2023.

R. Gunaratnam. Attended Advancing Lithium Battery Safety in Aviation: 2023 TRIP Summit; Herndon, Virginia; June 2023.

R. Gunaratnam. Attended Battery Safety Council Forum 13; Washington, DC; June 2023.

S. Lyons and R. Gunaratnam. Attended 20th International Conference & Exhibition on Liquefied Natural Gas (LNG2023); Vancouver, Canada; July 2023.

M. Hoepf. NTSB liaison to the American Petroleum Institute Recommended Practice 1173 Task Group Meetings; July 2023.

S. Jenner. Attended Human Computer Interaction International Conference on Engineering Psychology and Cognitive Ergonomics; Copenhagen, Denmark; July 2023.

A. Garcia. Participation in the Rail Human Factors Forum, Rail Industry Safety and Standards Board of Australia; November 2023.

R. Gordon, T. Lloyd, D. Mack, M. Bachmeier, G. Scott, S. Richardson, M. Thompson, J. Manutes. Participation in monthly FRA Rail Safety Advisory Committee meetings; January through December 2023.

A. Garcia and M. Sweeney. Participation in monthly DOT Human Factors Coordination Working Group meetings; January through December 2023.

A. Garcia. Participation in quarterly American Petroleum Institute Operator Qualifications Work Group meetings; January through December 2023.

Office of Research and Engineering

The Office of Research and Engineering conducted or participated in 73 events in 2023. The most significant of these are highlighted below.

Testimony Before State Legislature

R. Smith. "Intoxicated and Impaired Driving." Testimony before New York State Assembly Standing Committee on Transportation; Albany, New York; September 2023.

Presentations and Briefings

B. Rawlinson. "Micromobility: Data Challenges Associated with Assessing the Prevalence and Risk of Electric Scooter and Electric Bicycle Fatalities and Injuries." Briefings to the US Department of Transportation, Transportation Research Board Powered by Mobility Subcommittee, National Highway Traffic Safety Administration, Consumer Product Safety Commission, and National Center for Health Statistics; Washington, DC; January 2023.

C. Schultheisz. "Midair Collision near Ketchikan, Alaska." Presentation at the 102nd Annual Meeting of the Transportation Research Board; Washington, DC; January 2023.

J. Price. "Polydrug Use and Driving." Presentation at the 102nd Annual Meeting of the Transportation Research Board; Washington, DC; January 2023.

N. Doble. "Preventing Turbulence-Related Injuries in Air Carrier Operations." Presentation at the 102nd Annual Meeting of the Transportation Research Board; Washington, DC; January 2023.

R. Smith and J. Price. "Drug and Polydrug Prevalence of Impaired Drivers: Results from Four US Toxicology Laboratories." Presentation at the 102nd Annual Meeting of the Transportation Research Board; Washington, DC; January 2023.

R. Smith, M.P. McKay, and J. Price. "A Standardized Method for Analyzing Toxicology Data in Drugged Driving Research." Presentation at the 75th Annual Conference of the American Academy of Forensic Sciences; Orlando, Florida; February 2023.

M. Watters. "Medical Impairment in NTSB Accident Investigations." Presentation to the American College of Occupational and Environmental Medicine; Philadelphia, Pennsylvania; April 2023.

N. Doble. "NTSB Safety Recommendations Addressing Child Passenger Safety on Air Carriers." Presentation at Lifesavers Conference; Seattle, Washington; April 2023.

R. Smith. "Advanced Impaired Driving Detection Technologies." Presentation at Lifesavers Conference; Seattle, Washington; April 2023.

J. Price. "NTSB Impairment-Related Recommendations." Presentation at Lifesavers Conference; Seattle, Washington; April 2023.

R. Smith. "Alcohol, Other Drug, and Multiple Drug Use Among Drivers: NTSB's Efforts to Reduce Impaired Driving." Presentation at Lifesavers Conference; Seattle, Washington; April 2023.

J. O'Callaghan. "Pilatus PC-12 Crash on Takeoff in Chamberlain, South Dakota." Presentation to Airlines for America; Atlanta, Georgia; May 2023.

T. Kayagil. "Flying Blind? Investigating Glaucoma in a Fatal Midair Collision." Presentation to Aerospace Medical Association; New Orleans, Louisiana; May 2023.

E. Mueller. "Investigation and Remediation of a Complex Failure of a High Strength Steel Fan Midshaft from a GEN-X Engine." Presentation to International Conference on Fracture; Atlanta, Georgia; June 2023.

M. Fox. "NTSB Accident Investigations Involving Fatigue Fractures Initiating from Subsurface Defects." Presentation to International Conference on Fracture; Atlanta, Georgia; June 2023.

N. McAtee. "National Transportation Safety Board and Transportation Fire Safety." Presentation to National Fire Protection Association; Las Vegas, Nevada; June 2023.

R. Smith. "Impaired Driving Research and Crash Investigations: Why You Should Care." Presentation at RISE Annual Conference; Houston, Texas, June 2023.

R. Smith. "Analyzing Toxicology Data to Assess Polydrug Driving: What It Can Mean for a State." Presentation to Association of Transportation Safety Information Professionals Traffic Records Forum; Nashville, Tennessee; July 2023.

J. O'Callaghan. "Wet-Runway Overruns: Still a Slippery Problem." Presentation to the International Society of Air Safety Investigators; Nashville, Tennessee; August 2023.

T. Kayagil. "Evolution of Medical Certificates." Presentation to the International Civil Aviation Organization; Montreal, Canada; August 2023.

E. Mueller. "Teaching Materials Science to High School Students Using Weeklong Camps." Presentation to the European Congress and Exhibition on Advanced Materials and Processes; Frankfurt, Germany; September 2023.

C. Cates, D. Chen, J. Gregor. "HFR-5 Data Recovery Following High Energy Impact with Terrain." Presentation to Accident Investigations—Recorders International meeting; UK Air Accidents Investigation Branch; Farnborough, United Kingdom; October 2023.

J. Price. "Fatigue-Related Consequences and Learning from Safety Investigations." Presentation at 67th International Annual Human Factors and Ergonomics Society Conference; Human Factors and Ergonomic Society; Washington, DC; October 2023.

R. Smith. "Alcohol, Cannabis, and Polydrug Use Trends Among Drivers." Presentation at Connecticut Impaired Driving Summit; Hartford, Connecticut; October 2023.

B. Rawlinson. "E-Scooter and E-Bike Fatalities and Injuries: Safety Trends and Data Challenges." Presentation to the Safer California Unintentional Injury Prevention Project on E-Bike and E-Scooter Safety; Washington, DC; December 2023.

Instruction or Instructional Presentations

S. McComb. "Transportation Safety Investigations." Guest lecture for CSI: Mechanical class, Department of Mechanical Engineering, College of Engineering, University of Maryland; College Park, Maryland; March 2023.

M. Portman. "Inside the Black Box: How the NTSB's Vehicle Recorder Lab Supports Human Performance Investigations." Guest lecture for Introduction to Cognitive Engineering class, Department of Integrated Systems Engineering, College of Engineering, The Ohio State University; April 2023.

M. Moler and S. Payne. "NTSB Recorders and Vehicle Performance." Transportation Safety Institute, US Department of Transportation, Oklahoma City, Oklahoma, April 2023.

T. Burtch and S. Payne. "Vehicle Performance and Recorders Case Study." Transportation Safety Institute, US Department of Transportation; August 2023.

Participation in/Attendance at Meetings and Conferences Hosting

R. Smith, C. Babcock, and C. Cates. Participation in EUROCAE WG-118 Update to Technical Standards for Flight Recorders Working Group; weekly meetings throughout 2023.

C. Cates. Participation in CAST/ICAO Common Taxonomy Team Flight Data Monitoring Definitions Working Group; biweekly meetings throughout 2023.

T. Kayagil. Participation in Quad Agency Working Group Medical Operations Readiness Review meetings for human spaceflight with NASA, USAF, FAA, private spaceflight companies, and international agencies; multiple meetings in 2023.

R. Smith. Participation on the Federal Bureau of Investigation DUI Arrest Records Task Force; monthly meetings through 2023.

J. Price. Session Moderator. "Drowsy Driving: Recent Research on Risks and Countermeasures." 102nd Annual Meeting of the Transportation Research Board Annual Conference; Washington, DC; January 2023.

T. Burtch, M. Moler, K. Renze, and C. Schultheisz. Participation in Aviation Investigators Performance meetings with other representatives from France, Canada, the United Kingdom, Germany, and Australia; Ottawa, Canada; June 2023.

B. Rawlinson. Participation in BTSCRPT BTS-31: Quantifying the Safety Impacts of Reduced Traffic Enforcement; Transportation Research Board; Washington, DC; December 2023.

Participation on Panel

T. Kayagil. Panelist. "The Future of Mental Health in Aviation: Where Do We Go from Here?" NTSB Navigating Mental Health in Aviation Safety Summit; Washington, DC; December 2023.

Office of Administrative Law Judges

The Office of Administrative Law Judges participated in two events in 2023, listed below.

Presentations and Briefings

D. Fun, A. Tapia, S. Couch, and J. DeLisi. "From the Bench: Best Practices Before an ALJ." Experimental Aircraft Association AirVenture; Oshkosh, Wisconsin: July 2023.

D. Fun, A. Tapia, S. Couch, and J. DeLisi. "From the Bench: Best Practices Before an ALJ." Aviation Lawyers Association Conference; Washington, DC; November 2023.

Appendix B: Report of 2023 Investigations to Comply with 49 U.S.C. 1116(c)(5)¹

Aviation: None to report.

Highway: None to report.

Marine: None to report.

The following two sections—Pipeline and Railroad—enumerate those accidents that the NTSB, under Title 49 U.S.C., is required to investigate but that the agency was unable to investigate because of the reason specified. Section 106 of the National Transportation Safety Board Authorization Act of 2023, submitted to Congress by the Board on March 20, 2023, would amend the NTSB rail investigative authority to provide that accidents at railroad grade crossings, or which involve rail trespassers, are not accidents for which NTSB investigation is mandatory. Trespassing on railroad property is the leading cause of rail-related fatalities. However, the NTSB is unable to investigate every trespasser fatality and, in fact, investigates such accidents extremely rarely because of limited resources and limited safety benefits. Excluding these accidents from the requirement under 49 U.S.C. 1131(a)(1)(C) would focus the NTSB's mandate and resources in investigating rail accidents for which there are safety benefits.

Additionally, in August 2023, the NTSB published an advance notice of proposed rulemaking (ANPRM), soliciting public feedback on whether it should define the term “substantial property damage” as it relates to the agency's authority to investigate railroad accidents under 49 U.S.C. 1131(a)(1)(C) and (D). The NTSB is currently reviewing comments received in response to the ANPRM. To address these comments, the agency announced in the Fall 2023 Unified Agenda that we will be issuing a notice of proposed rulemaking with a projected *Federal Register* publication date of October 2024. This rulemaking will ensure greater clarity regarding the threshold for pipeline and railroad accident property damage sufficient to precipitate an NTSB investigation.

¹ Title 49 U.S.C. 1116(c)(5) requires that the agency provide annually “a list of accidents, during the prior calendar year, that the Board was required to investigate under section 1131 but did not investigate and an explanation of why they were not investigated.”

Pipeline

Criteria used here are for reporting information only and do not represent

NTSB launch criteria for investigating an accident. Staff has reviewed and included all the available information needed to comply with 49 U.S.C. 1116(c)(5).

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
1	31	Frio County, Texas	Fire occurred during work on gas gathering line, killing one and injuring 2 others.	Limited resources
2	10	Rapid City, South Dakota	Vehicle left roadway and struck outside meter set, shearing off the riser at ground level, causing a release of natural gas that ignited and destroyed the home. The driver did not survive; 4 residents were transported to the hospital.	Limited resources
3	17	El Paso, Texas	Plastic natural gas line was cross bored with sewer lateral, resulting in fire, explosion, and 3 injuries.	Limited resources
3	23	Pelham, Alabama	Colonial Pipeline reported release of 15 barrels of gasoline from 16-inch pipeline. May have been from previous incident.	Limited resources
4	4	Olive Branch, Mississippi	Release and ignition of natural gas occurred while the City of Olive Branch municipal gas distribution crew was tapping a 2-inch gas main. Four employees injured.	Limited resources
4	6	Grove City, Ohio	Third-party damage to a distribution service line, released gas ignited and caused a burn injury. Outages involved 4,500 customers.	Limited resources
6	14	Fort Worth, Texas	Vehicle left roadway and struck meter, resulting in fire, one fatality, and one injury.	Limited resources
7	5	Cygnets, Ohio	Release of 1,000 barrels of crude oil due to unknown reasons. No injuries or fatalities.	Limited resources
7	11	Kingsbury, Texas	1,000 barrels of drilling brine and 0.5 barrels of crude oil released from a cracked 10-inch PVC flow pipe from a tank battery to a saltwater disposal.	Limited resources
7	13	Liverpool, Texas	A below-ground transmission pipeline ruptured and ignited 2 miles east of state road 2917 on FM 2004, releasing ethylene and propylene. No injury.	Limited resources
7	15	Georgetown, Illinois	Vehicle left roadway, drove into fenced regulator station, resulting in fire and 2 fatalities. Loss of service to 1,330 gas customers.	Limited resources

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
8	16	Keith Co, Nebraska	A 10-inch gas transmission line was struck and ruptured in a feed lot, reportedly by feed lot employees/contractor. Gas ignited, 1 injury.	Limited resources
8	17	Beaux Bridge, Louisiana	Dixie Pipeline reports a release of 5,800 barrels of propane into water and air due to third-party dredging operations. No injuries.	Limited resources
8	23	Montague, Texas	Crude oil release of 1,000 barrels while cleaning a pipeline, no fatalities, injuries, evacuations, no water impact.	Limited resources
9	22	Kennewick, Washington	Four small communities were being served by temporary LNG trailers while pipeline was down for testing. During LNG trailer transfer, ignition occurred, resulting in one fatality.	Limited resources
9	25	Oklahoma City, Oklahoma	Release of 2,440 barrels of crude oil from a 16-inch transmission pipeline due to third-party excavation damage. No impact to waterways.	Limited resources
10	3	Shiner, Texas	Release of natural gas and fire from gathering line pig launcher during pigging operation. One injury, no fatalities.	Limited resources
10	4	Jessieville, Arkansas	Natural gas transmission pipeline rupture and fire. No fatalities or injuries, state highway temporarily closed.	Limited resources
10	11	Cassoday, Kansas	1,500-barrel gasoline spill due to third-party damage of a Magellan 10-inch pipeline. No reported injuries or fatalities.	Limited resources
10	12	Middletown, Idaho	Farmer hit a 22-inch pipeline and was transported to the hospital. No fire or fatalities, one high school evacuated.	Limited resources
10	15	Baden, Pennsylvania	Natural gas disruption with the potential of 4,000 customer outages. No fatalities, injuries, or evacuations reported.	Limited resources
10	16	Anoka, Minnesota	A regulated pipeline was damaged during a sewer installation; one reported injury.	Limited resources
10	19	Girard, Michigan	Farmer hit a 10-inch liquids pipeline while plowing. There were 307 barrels of gasoline released. No injuries or fatalities.	Limited resources
11	1	Wappingers Falls, New York	Construction crew reportedly ruptured a natural gas line, destroying homes and injuring 15.	Limited resources
11	13	Cincinnati, Ohio	Natural gas release and fire from excavation damage to polyethylene distribution line. two injuries, no fatalities.	Limited resources
11	18	Kingfisher County, Oklahoma	Release of 642 barrels of crude oil from an 8-inch gathering line.	Limited resources

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
11	19	Cleveland, Ohio	Vehicle strike damaged gas distribution system inside apartment building. One fatality; two injuries.	Limited resources
12	5	Port Arthur, Texas	Flash fire occurred while workers were welding pig launcher door. 6 injuries; no fatalities.	Limited resources
12	10	Conway, Washington	Release of 607 barrels of gasoline into a valve vault with some gasoline possibly reaching a nearby creek. No reported injuries or fatalities.	Limited resources
12	11	Shiprock, New Mexico	Release of 1,000 barrels crude oil from 16-inch transmission pipeline caused by third-party excavation damage. No injuries, fatalities, or water impact.	Limited resources

Railroad

The NTSB investigated 15 railroad accidents in 2023.² An additional 2,487 accidents that met the requirements of Title 49 U.S.C. 1131 were identified but not investigated; of these, 1,780 were identified as having a limited safety benefit and 707 were not investigated because of limited investigative resources. An accident with a limited safety benefit is an occurrence for which NTSB investigators were able to determine quickly that no safety recommendations were likely to be issued or reiterated. Those accidents that were not investigated because of limited NTSB resources share some similarities with those of limited safety benefits; although the causes of these accidents may not have been immediately identifiable, the low level of severity of the accidents and other factors were weighed against those of ongoing investigations to make the best use of the resources available.

Qualifying Event (U.S.C. 1131)	Limited Resources	Limited safety benefit
Railroad Accident - Fatality ³	83	12
Railroad Accident - Damage Over Reporting Limit, Nonfatal (Freight)	339	—
Railroad Accident - Damage Over Reporting Limit, Nonfatal (Passenger)	133	—
Transit Accident (Passenger Train)	10	1,266
Trespasser Fatality	148	642
Subtotals	713	1,920
Total of all Railroad and Transit Accidents not Investigated	2,633	

² Data provided in this report is received from the FRA and the FTA. Criteria used here are for reporting information only and do not represent our launch criteria for investigating an accident. In addition, some information reported by the FTA does not provide details regarding agencies or locations. Staff has reviewed and included all the available information needed to comply with 49 U.S.C. 1116(c)(5).

³ This data set excludes reported trespasser accidents.

FRA Railroad Accident – Fatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
1	5	St. Louis, Minnesota	Highway-rail collision/impact	Limited resources
1	14	Brazoria, Texas	Highway-rail collision/impact	Limited resources
1	17	Ada, Idaho	Highway-rail collision/impact	Limited resources
1	31	Leavenworth, Kansas	Highway-rail collision/impact	Limited resources
2	3	Pinal, Arizona	Struck by on-track equipment	Limited safety benefit
2	7	Cass, Missouri	Highway-rail collision/impact	Limited resources
2	10	Pinal, Arizona	Struck by on-track equipment	Limited safety benefit
2	10	Marin, California	Highway-rail collision/impact	Limited resources
2	11	Garfield, Colorado	Highway-rail collision/impact	Limited resources
2	13	Montgomery, Texas	Highway-rail collision/impact	Limited resources
3	1	Mountrail, North Dakota	Highway-rail collision/impact	Limited resources
3	4	Minidoka, Idaho	Highway-rail collision/impact	Limited resources
3	15	Palo Pinto, Texas	Struck by on-track equipment	Limited safety benefit
3	24	San Diego, California	Highway-rail collision/impact	Limited resources

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
3	25	Los Angeles, California	Struck by on-track equipment	Limited safety benefit
3	27	Montgomery, Illinois	Highway-rail collision/impact	Limited resources
3	31	Pulaski, Kentucky	Highway-rail collision/impact	Limited resources
4	11	Colbert, Alabama	Highway-rail collision/impact	Limited resources
4	11	Dade, Georgia	Highway-rail collision/impact	Limited resources
4	11	Stone, Mississippi	Highway-rail collision/impact	Limited resources
4	21	Clark, Wisconsin	Highway-rail collision/impact	Limited resources
4	23	Warren, Missouri	Highway-rail collision/impact	Limited resources
4	26	Refugio, Texas	Highway-rail collision/impact	Limited resources
4	27	Allegan, Michigan	Highway-rail collision/impact	Limited resources
5	5	Kane, Illinois	Highway-rail collision/impact	Limited resources
5	5	Ward, Texas	Highway-rail collision/impact	Limited resources
5	9	San Bernardino, California	Highway-rail collision/impact	Limited resources
5	12	Cedar, Iowa	Highway-rail collision/impact	Limited resources
5	25	Clark, Arkansas	Highway-rail collision/impact	Limited resources

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
5	25	Shelby, Tennessee	Highway-rail collision/impact	Limited resources
5	27	Mobile, Alabama	Highway-rail collision/impact	Limited resources
5	27	White, Arkansas	Struck by on-track equipment	Limited safety benefit
5	29	Palm Beach, Florida	Highway-rail collision/impact	Limited resources
6	10	Sacramento, California	Highway-rail collision/impact	Limited resources
6	12	Ouachita, Louisiana	Collision/impact - auto, truck, bus, van, other	Limited safety benefit
6	12	Hall, New England	Collision/impact - auto, truck, bus, van, other	Limited safety benefit
6	12	Richland, South Carolina	Highway-rail collision/impact	Limited resources
6	14	Fairfield, Connecticut	Highway-rail collision/impact	Limited resources
6	17	Bryan, Oklahoma	Highway-rail collision/impact	Limited resources
6	19	Decatur, Indiana	Highway-rail collision/impact	Limited resources
7	2	Miami-Dade, Florida	Other	Limited safety benefit
7	2	Tangipahoa, Louisiana	Struck by on-track equipment	Limited resources
7	5	Santa Clara, California	Highway-rail collision/impact	Limited resources
7	7	Nevada, Arkansas	Highway-rail collision/impact	Limited resources

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
7	7	Dallas, Texas	Highway-rail collision/impact	Limited resources
7	11	Portage, Wisconsin	Highway-rail collision/impact	Limited resources
7	12	Kiowa, Kansas	Highway-rail collision/impact	Limited resources
7	15	Bonner, Idaho	Highway-rail collision/impact	Limited resources
7	16	Kootenai, Idaho	Collision/impact - auto, truck, bus, van, other	Limited safety benefit
7	18	Shawnee, Kansas	Highway-rail collision/impact	Limited resources
7	20	Barton, Missouri	Highway-rail collision/impact	Limited resources
7	31	Lamb, Texas	Highway-rail collision/impact	Limited resources
8	1	Robertson, Tennessee	Highway-rail collision/impact	Limited resources
8	2	Marion, Oregon	Highway-rail collision/impact	Limited resources
8	8	Payette, Idaho	Highway-rail collision/impact	Limited resources
8	16	Meade, South Dakota	Collision/impact - auto, truck, bus, van, other	Limited safety benefit
8	18	Brookings, South Dakota	Highway-rail collision/impact	Limited resources
8	28	Sangamon, Illinois	Struck by on-track equipment	Limited resources
8	28	Big Horn, Montana	Highway-rail collision/impact	Limited resources

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
9	8	Champaign, Illinois	Highway-rail collision/impact	Limited resources
9	9	Carlton, Minnesota	Highway-rail collision/impact	Limited resources
9	14	Pemiscot, Missouri	Highway-rail collision/impact	Limited resources
9	15	Cook, Illinois	Highway-rail collision/impact	Limited resources
9	17	Broward, Florida	Other	Limited safety benefit
9	17	Cook, Illinois	Highway-rail collision/impact	Limited resources
9	23	Hillsborough, Florida	Highway-rail collision/impact	Limited resources
9	28	Meade, Kansas	Highway-rail collision/impact	Limited resources
10	1	Maricopa, Arizona	Highway-rail collision/impact	Limited resources
10	3	Ouachita, Arkansas	Highway-rail collision/impact	Limited resources
10	4	Palm Beach, Florida	Other	Limited safety benefit
10	5	McLean, Illinois	Highway-rail collision/impact	Limited resources
10	6	Windham, Vermont	Highway-rail collision/impact	Limited resources
10	9	Gage, New England	Highway-rail collision/impact	Limited resources
10	16	Lake, Illinois	Highway-rail collision/impact	Limited resources

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
10	16	Harris, Texas	Highway-rail collision/impact	Limited resources
10	19	Cook, Illinois	Highway-rail collision/impact	Limited resources
10	20	Marion, Illinois	Highway-rail collision/impact	Limited resources
10	22	San Diego, California	Highway-rail collision/impact	Limited resources
10	26	Fresno, California	Highway-rail collision/impact	Limited resources
10	30	Lake, Ohio	Highway-rail collision/impact	Limited resources
11	6	Johnson, Kansas	Highway-rail collision/impact	Limited resources
11	10	Dodge, Massachusetts	Highway-rail collision/impact	Limited resources
11	13	Mississippi, Arkansas	Highway-rail collision/impact	Limited resources
11	20	Cook, Illinois	Struck by on-track equipment	Limited resources
11	21	Little River, Arkansas	Highway-rail collision/impact	Limited resources
11	23	Luna, New Mexico	Struck by on-track equipment	Limited resources
11	23	Fayette, Texas	Highway-rail collision/impact	Limited resources
11	25	Weld, Colorado	Highway-rail collision/impact	Limited resources
11	27	Cook, Illinois	Highway-rail collision/impact	Limited resources

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
11	29	Hamblen, Tennessee	Highway-rail collision/impact	Limited resources
12	6	Forrest, Mississippi	Highway-rail collision/impact	Limited resources
12	27	Lincoln, Kentucky	Highway-rail collision/impact	Limited resources
12	29	Weld, Colorado	Highway-rail collision/impact	Limited resources
12	29	Blaine, Idaho	Highway-rail collision/impact	Limited resources
12	30	Abbeville, South Carolina	Highway-rail collision/impact	Limited resources

FRA Railroad Accident – Damage Over Reporting Limit, Nonfatal (Passenger)

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
1	18	Dover, New Jersey	Derailment	Limited resources
1	23	White Plains, New York	Derailment	Limited resources
1	25	Hatboro, Pennsylvania	Other	Limited resources
2	2	Old Lyme, Connecticut	Obstruction	Limited resources
2	2	Lancaster, Pennsylvania	Derailment	Limited resources
2	6	Carpinteria, California	Obstruction	Limited resources

FRA Railroad Accident – Damage Over Reporting Limit, Nonfatal (Passenger)

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
2	6	Saint Albans, West Virginia	Derailment	Limited resources
2	14	New Canaan, Connecticut	Obstruction	Limited resources
2	14	Seattle, Washington	Derailment	Limited resources
2	15	Middletown, New York	Derailment	Limited resources
2	20	Riverbank, California	Derailment	Limited resources
2	20	Miquon, Pennsylvania	Obstruction	Limited resources
2	24	Leander, Texas	Highway-rail crossing	Limited resources
2	27	Sharon, West Virginia	Highway-rail crossing	Limited resources
2	28	Gladstone, New Jersey	Derailment	Limited resources
2	28	Long Island City, New York	Raking collision	Limited resources
3	2	Bay Head, New Jersey	Derailment	Limited resources
3	3	Goleta, California	Highway-rail crossing	Limited resources
3	7	Asbury Park, New Jersey	Highway-rail crossing	Limited resources
3	14	Riverbank, California	Derailment	Limited resources
3	14	Cohasset, Massachusetts	Obstruction	Limited resources

FRA Railroad Accident – Damage Over Reporting Limit, Nonfatal (Passenger)

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
3	14	Hoboken, New Jersey	Other impacts	Limited resources
3	16	Sonoma, California	Derailment	Limited resources
3	19	Elizabeth, New Jersey	Other	Limited resources
3	20	North Kingstown, Rhode Island	Other	Limited resources
3	21	Port Costa, California	Obstruction	Limited resources
4	1	Bryn Athyn, Pennsylvania	Other	Limited resources
4	2	Radnor, Pennsylvania	Other	Limited resources
4	4	Dixon, California	Highway-rail crossing	Limited resources
4	5	Bensalem, Pennsylvania	Derailment	Limited resources
4	5	Vancouver, Washington	Obstruction	Limited resources
4	5	Vancouver, Washington	Obstruction	Limited resources
4	10	Enfield, Connecticut	Derailment	Limited resources
4	11	Chicago, Illinois	Other impacts	Limited resources
4	12	Tarrytown, New York	Derailment	Limited resources
4	12	Hollywood, Florida	Highway-rail crossing	Limited resources

FRA Railroad Accident – Damage Over Reporting Limit, Nonfatal (Passenger)

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
4	13	Crawfordsville, Indiana	Highway-rail crossing	Limited resources
4	18	Stamford, Connecticut	Derailment	Limited resources
4	18	McGregor, Texas	Highway-rail crossing	Limited resources
4	26	Deerfield Beach, Florida	Highway-rail crossing	Limited resources
4	27	Miami-Dade, Florida	Fire/violent rupture	Limited resources
4	28	Chicago, Illinois	Derailment	Limited resources
5	7	Chicago, Illinois	Derailment	Limited resources
5	9	Chicago, Illinois	Other impacts	Limited resources
5	11	Long Island City, New York	Derailment	Limited resources
5	12	Boston, Massachusetts	Obstruction	Limited resources
5	22	Washington, DC	Derailment	Limited resources
5	25	Reynolds, Indiana	Highway-rail crossing	Limited resources
6	10	Morrisville, Pennsylvania	Derailment	Limited resources
6	14	Salt Lake City, Utah	Highway-rail crossing	Limited resources
6	18	Gum Springs, Arkansas	Obstruction	Limited resources

FRA Railroad Accident – Damage Over Reporting Limit, Nonfatal (Passenger)

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
6	18	Arkadelphia, Arkansas	Obstruction	Limited resources
6	28	Moorpark, California	Highway-rail crossing	Limited resources
6	22	Long Beach, New York	Other	Limited resources
7	1	Washington, Missouri	Derailment	Limited resources
7	7	Rahway, New Jersey	Other	Limited resources
7	9	Richmond Hill, New York	Derailment	Limited resources
7	11	Washington, DC	Derailment	Limited resources
7	14	Lakeland, Florida	Highway-rail crossing	Limited resources
7	14	Lakeland, Florida	Highway-rail crossing	Limited resources
7	19	Far Rockaway, New York	Derailment	Limited resources
7	29	New Haven, Connecticut	Derailment	Limited resources
7	30	Red Bank, New Jersey	Fire/violent rupture	Limited resources
7	31	Lake Worth, Florida	Derailment	Limited resources
8	2	New York, New York	Other	Limited resources
8	3	Jamaica, New York	Derailment	Limited resources

FRA Railroad Accident – Damage Over Reporting Limit, Nonfatal (Passenger)

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
8	6	Gary, Indiana	Other	Limited resources
8	7	Richmond Hill, New York	Derailment	Limited resources
8	7	Middletown, Pennsylvania	Other	Limited resources
8	8	Croton-on-Hudson, New York	Other impacts	Limited resources
8	22	Weston, Massachusetts	Obstruction	Limited resources
8	23	Brewster, New York	Other impacts	Limited resources
8	28	Chicago, Illinois	Derailment	Limited resources
8	29	Norwalk, Connecticut	Derailment	Limited resources
9	5	Frostproof, Florida	Highway-rail crossing	Limited resources
9	7	Queens Village, New York	Derailment	Limited resources
9	8	Kearny, New Jersey	Other impacts	Limited resources
9	10	Belmont, Massachusetts	Fire/violent rupture	Limited resources
9	12	New York, New York	Derailment	Limited resources
9	13	Windsor, Connecticut	Obstruction	Limited resources
9	14	New Brunswick, New Jersey	Derailment	Limited resources

FRA Railroad Accident – Damage Over Reporting Limit, Nonfatal (Passenger)

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
9	14	Manhasset, New York	Obstruction	Limited resources
9	16	Lake Forest, Illinois	Other impacts	Limited resources
9	16	Jersey City, New Jersey	Derailment	Limited resources
9	18	Farmingdale, New York	Other	Limited resources
9	18	Halsey, Oregon	Highway-rail crossing	Limited resources
9	24	Fluker, Louisiana	Obstruction	Limited resources
9	25	Kearny, New Jersey	Derailment	Limited resources
9	27	Burns Harbor, Indiana	Derailment	Limited resources
9	27	Middletown, Pennsylvania	Raking collision	Limited resources
9	28	Richmond Hill, New York	Derailment	Limited resources
10	9	Kearny, New Jersey	Derailment	Limited resources
10	12	Shafter, California	Derailment	Limited resources
10	13	Peotone, Illinois	Obstruction	Limited resources
10	16	Chicago, Illinois	Other impacts	Limited resources
10	25	Hoboken, New Jersey	Derailment	Limited resources

FRA Railroad Accident – Damage Over Reporting Limit, Nonfatal (Passenger)

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
10	26	Sanford, North Carolina	Derailment	Limited resources
10	29	New Haven, Connecticut	Other	Limited resources
11	7	Georgetown, Texas	Highway-rail crossing	Limited resources
11	8	King City, California	Highway-rail crossing	Limited resources
11	8	Kearny, New Jersey	Derailment	Limited resources
11	9	Boston, Massachusetts	Derailment	Limited resources
11	13	Orlando, Florida	Other impacts	Limited resources
11	15	Bowie, Maryland	Obstruction	Limited resources
11	16	Three Oaks, Michigan	Highway-rail crossing	Limited resources
11	18	Chicago, Illinois	Derailment	Limited resources
11	25	Le Grand, California	Highway-rail crossing	Limited resources
11	27	Orlando, Florida	Derailment	Limited resources
11	27	New Orleans, Maine	Derailment	Limited resources
11	28	Richmond Hill, New York	Derailment	Limited resources
12	1	Opa-locka, Florida	Fire/violent rupture	Limited resources

FRA Railroad Accident – Damage Over Reporting Limit, Nonfatal (Passenger)

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
12	1	Wickliffe, Ohio	Derailment	Limited resources
12	3	Morristown, New Jersey	Other	Limited resources
12	4	Round Rock, Texas	Highway-rail crossing	Limited resources
12	6	New Orleans, Maine	Derailment	Limited resources
12	6	Richmond, Rhode Island	Other	Limited resources
12	7	Hawthorne, New Jersey	Derailment	Limited resources
12	10	Denver, Colorado	Obstruction	Limited resources
12	11	Washington, DC	Obstruction	Limited resources
12	12	Somis, California	Highway-rail crossing	Limited resources
12	12	Stamford, Connecticut	Derailment	Limited resources
12	20	Campbell Hall, New York	Obstruction	Limited resources
12	26	Kearny, New Jersey	Derailment	Limited resources
12	29	New York, New York	Other	Limited resources

FRA Railroad Accident – Damage Over Reporting Limit, Nonfatal (Freight)

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
1	1	Roanoke, Virginia	Other impacts	Limited resources
1	1	Kennewick, Washington	Derailment	Limited resources
1	2	Bellevue, Ohio	Other impacts	Limited resources
1	2	Waycross, Georgia	Other impacts	Limited resources
1	5	Atlanta, Georgia	Other	Limited resources
1	9	Brownwood, Texas	Derailment	Limited resources
1	9	Ferndale, Washington	Derailment	Limited resources
1	9	Seattle, Washington	Derailment	Limited resources
1	9	Lake City, South Carolina	Derailment	Limited resources
1	11	McCook, Nebraska	Derailment	Limited resources
1	11	Sharpsburg, Maryland	Derailment	Limited resources
1	14	Indianapolis, Indiana	Derailment	Limited resources
1	14	Belden, California	Derailment	Limited resources
1	15	Ashdown, Arkansas	Derailment	Limited resources

FRA Railroad Accident – Damage Over Reporting Limit, Nonfatal (Freight)

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
1	19	Trinway, Ohio	Derailment	Limited resources
1	20	Elkhart, Indiana	Side collision	Limited resources
1	20	Tulsa, Oklahoma	Derailment	Limited resources
1	21	Lafayette, Indiana	Derailment	Limited resources
1	21	Fairmont City, Illinois	Derailment	Limited resources
1	21	Tehachapi, California	Derailment	Limited resources
1	23	Hereford, Texas	Highway-rail crossing	Limited resources
1	23	Greenwich, Ohio	Derailment	Limited resources
1	23	Enid, Oklahoma	Derailment	Limited resources
1	24	Deer Park, Texas	Derailment	Limited resources
1	24	La Porte, Texas	Derailment	Limited resources
1	25	Gorin, Missouri	Highway-rail crossing	Limited resources
1	26	Euclid, Ohio	Derailment	Limited resources
1	27	Capa, South Dakota	Derailment	Limited resources
1	27	Delaware, Ohio	Derailment	Limited resources

FRA Railroad Accident – Damage Over Reporting Limit, Nonfatal (Freight)

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
1	27	Keatchie, Louisiana	Derailment	Limited resources
1	28	Beckley, West Virginia	Derailment	Limited resources
1	28	Colton, California	Other impacts	Limited resources
1	29	Pocatello, Idaho	Other impacts	Limited resources
1	31	Houston, Texas	Derailment	Limited resources
1	31	Detroit, Michigan	Derailment	Limited resources
2	1	North Platte, Nebraska	Other impacts	Limited resources
2	1	Talladega, Alabama	Derailment	Limited resources
2	3	Mound City, Missouri	Derailment	Limited resources
2	5	Ogden, Utah	Derailment	Limited resources
2	10	Olathe, Kansas	Derailment	Limited resources
2	10	San Antonio, Texas	Derailment	Limited resources
2	11	Denison, Texas	Derailment	Limited resources
2	11	Bellevue, Ohio	Other impacts	Limited resources
2	12	Smithboro, Illinois	Derailment	Limited resources

FRA Railroad Accident – Damage Over Reporting Limit, Nonfatal (Freight)

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
2	14	Willmar, Minnesota	Derailment	Limited resources
2	15	Trumann, Arkansas	Derailment	Limited resources
2	16	North Little Rock, Arkansas	Derailment	Limited resources
2	16	Belleville, Michigan	Derailment	Limited resources
2	17	Red Jacket, West Virginia	Other	Limited resources
2	17	Enid, Oklahoma	Derailment	Limited resources
2	21	Bedford Park, Illinois	Derailment	Limited resources
2	21	Chicago, Illinois	Derailment	Limited resources
2	21	Gothenburg, Nebraska	Derailment	Limited resources
2	24	Bedford Park, Illinois	Other impacts	Limited resources
2	24	Des Lacs, North Dakota	Derailment	Limited resources
2	26	Hawthorne, Wisconsin	Derailment	Limited resources
2	26	Belle Rive, Illinois	Derailment	Limited resources
2	26	Mayfield, Kansas	Derailment	Limited resources
2	26	Willard, New Mexico	Derailment	Limited resources

FRA Railroad Accident – Damage Over Reporting Limit, Nonfatal (Freight)

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
2	27	Columbus, Ohio	Derailment	Limited resources
3	2	Ogden, Utah	Derailment	Limited resources
3	3	Goleta, California	Highway-rail crossing	Limited resources
3	3	Heyburn, Idaho	Raking collision	Limited resources
3	4	Wellington, Kansas	Derailment	Limited resources
3	4	Springfield, Ohio	Derailment	Limited resources
3	8	Sandstone, West Virginia	Derailment	Limited resources
3	11	Bellingham, Washington	Derailment	Limited resources
3	11	La Junta, Colorado	Derailment	Limited resources
3	12	Eola, Illinois	Derailment	Limited resources
3	12	Blair, Nebraska	Derailment	Limited resources
3	12	McPherson, Kansas	Derailment	Limited resources
3	13	Cheyenne, Wyoming	Derailment	Limited resources
3	13	Yerington, Nevada	Derailment	Limited resources
3	15	Heyburn, Idaho	Raking collision	Limited resources

FRA Railroad Accident – Damage Over Reporting Limit, Nonfatal (Freight)

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
3	15	Topock, Arizona	Derailment	Limited resources
3	16	Anacortes, Washington	Derailment	Limited resources
3	16	Glendale, Kentucky	Derailment	Limited resources
3	18	Wolsey, South Dakota	Derailment	Limited resources
3	20	Wales, Maryland	Derailment	Limited resources
3	20	Richburg, South Carolina	Derailment	Limited resources
3	22	Cynthiana, Kentucky	Fire/violent rupture	Limited resources
3	23	Tuscaloosa, Alabama	Derailment	Limited resources
3	23	Osawatomie, Kansas	Derailment	Limited resources
3	24	Grenada, Mississippi	Derailment	Limited resources
3	25	Gallup, New Mexico	Derailment	Limited resources
3	26	Wyndmere, North Dakota	Derailment	Limited resources
3	27	Pocatello, Idaho	Derailment	Limited resources
3	27	Montgomery, Alabama	Other impacts	Limited resources
3	27	Baker, California	Derailment	Limited resources

FRA Railroad Accident – Damage Over Reporting Limit, Nonfatal (Freight)

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
3	28	Macon, Georgia	Side collision	Limited resources
3	29	Superior, Wisconsin	Derailment	Limited resources
3	29	Port Allen, Maine	Derailment	Limited resources
3	29	Slippery Rock, Pennsylvania	Derailment	Limited resources
3	30	Raymond, Minnesota	Derailment	Limited resources
3	31	Havre, Montana	Derailment	Limited resources
3	31	Wynne, Arkansas	Derailment	Limited resources
3	31	Irondale, Alabama	Derailment	Limited resources
3	31	Wappingers Falls, New York	Derailment	Limited resources
4	2	Paradise, Montana	Derailment	Limited resources
4	5	Macon, Georgia	Derailment	Limited resources
4	5	Rosemount, Minnesota	Derailment	Limited resources
4	6	Shubuta, Mississippi	Derailment	Limited resources
4	6	Winnemucca, Nevada	Derailment	Limited resources
4	6	Sioux City, Iowa	Derailment	Limited resources

FRA Railroad Accident – Damage Over Reporting Limit, Nonfatal (Freight)

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
4	8	Jasper, Alabama	Derailment	Limited resources
4	8	American Falls, Idaho	Derailment	Limited resources
4	10	North Platte, Nebraska	Other impacts	Limited resources
4	11	Coffeyville, Kansas	Derailment	Limited resources
4	15	Northeast Somerset, Maryland	Derailment	Limited resources
4	16	Bloomington, California	Derailment	Limited resources
4	16	Bessemer, Alabama	Derailment	Limited resources
4	21	Clinton, Iowa	Derailment	Limited resources
4	22	Hope, Arkansas	Derailment	Limited resources
4	24	Gillette, Wyoming	Derailment	Limited resources
4	24	Yates Center, Kansas	Highway-rail crossing	Limited resources
4	25	Jacksonville, Florida	Other impacts	Limited resources
4	26	Medora, North Dakota	Derailment	Limited resources
4	27	Needles, California	Obstruction	Limited resources
4	27	De Soto, Wisconsin	Derailment	Limited resources

FRA Railroad Accident – Damage Over Reporting Limit, Nonfatal (Freight)

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
4	30	Linden, New Jersey	Derailment	Limited resources
4	30	Sheridan, Wyoming	Derailment	Limited resources
5	1	Alexandria, Pennsylvania	Rear-end collision	Limited resources
5	1	Macon, Georgia	Side collision	Limited resources
5	4	Chillicothe, Iowa	Derailment	Limited resources
5	5	Riviera Beach, Florida	Derailment	Limited resources
5	5	Jacksonville, Florida	Derailment	Limited resources
5	9	El Paso, Texas	Derailment	Limited resources
5	10	Vaucluse, South Carolina	Derailment	Limited resources
5	11	Mason, Tennessee	Derailment	Limited resources
5	13	New Orleans, Louisiana	Derailment	Limited resources
5	13	Dobbin, Texas	Derailment	Limited resources
5	15	Sterling, Ohio	Derailment	Limited resources
5	16	Pocatello, Idaho	Derailment	Limited resources
5	17	Irondale, Alabama	Derailment	Limited resources

FRA Railroad Accident – Damage Over Reporting Limit, Nonfatal (Freight)

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
5	18	Torrance, California	Derailment	Limited resources
5	19	Casper, Wyoming	Derailment	Limited resources
5	20	Sapulpa, Oklahoma	Derailment	Limited resources
5	21	Mecca, California	Derailment	Limited resources
5	25	South Shore, Kentucky	Other impacts	Limited resources
5	26	Houston, Texas	Derailment	Limited resources
5	27	North Charleston, South Carolina	Derailment	Limited resources
5	27	Flagstaff, Arizona	Derailment	Limited resources
5	27	Sauk Rapids, Minnesota	Derailment	Limited resources
5	28	Atlanta, Georgia	Other impacts	Limited resources
5	30	Elkhart, Indiana	Other impacts	Limited resources
5	30	Balfour, North Dakota	Derailment	Limited resources
5	31	Lancaster, Minnesota	Derailment	Limited resources
6	1	Waycross, Georgia	Derailment	Limited resources
6	2	Cadott, Wisconsin	Rear-end collision	Limited resources

FRA Railroad Accident – Damage Over Reporting Limit, Nonfatal (Freight)

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
6	4	Amherst, South Dakota	Derailment	Limited resources
6	4	Marlow, Oklahoma	Derailment	Limited resources
6	5	Jeffersonville, Indiana	Highway-rail crossing	Limited resources
6	6	Sweetwater, Texas	Derailment	Limited resources
6	8	Fort Collins, Colorado	Derailment	Limited resources
6	8	Williams, Arizona	Derailment	Limited resources
6	11	Tulsa, Oklahoma	Derailment	Limited resources
6	12	Sioux City, Iowa	Derailment	Limited resources
6	13	Grand Junction, Colorado	Derailment	Limited resources
6	15	Commerce City, Colorado	Derailment	Limited resources
6	18	Cheyenne, Wyoming	Derailment	Limited resources
6	18	St. Paul, Minnesota	Derailment	Limited resources
6	18	Trinidad, Texas	Derailment	Limited resources
6	21	Corsicana, Texas	Derailment	Limited resources
6	22	Lena, Maine	Derailment	Limited resources

FRA Railroad Accident – Damage Over Reporting Limit, Nonfatal (Freight)

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
6	23	Wright, Wyoming	Derailment	Limited resources
6	24	Oak Harbor, Ohio	Other impacts	Limited resources
6	24	Abilene, Texas	Derailment	Limited resources
6	26	Jacksonville, Florida	Side collision	Limited resources
6	26	Galesburg, Illinois	Derailment	Limited resources
6	28	Hiawatha, Kansas	Derailment	Limited resources
6	28	Marshall, Texas	Derailment	Limited resources
6	29	Kansas City, Missouri	Derailment	Limited resources
7	2	Kiester, Minnesota	Derailment	Limited resources
7	3	Fort Worth, Texas	Other impacts	Limited resources
7	3	North Platte, Nebraska	Derailment	Limited resources
7	4	Columbus, Wisconsin	Derailment	Limited resources
7	6	North Little Rock, Arkansas	Derailment	Limited resources
7	7	St. Louis, Missouri	Derailment	Limited resources
7	8	Muldoon, Texas	Derailment	Limited resources

FRA Railroad Accident – Damage Over Reporting Limit, Nonfatal (Freight)

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
7	10	Atlanta, Georgia	Derailment	Limited resources
7	10	Lusk, Wyoming	Derailment	Limited resources
7	13	Gordon, Texas	Derailment	Limited resources
7	15	Peabody, Kansas	Derailment	Limited resources
7	17	Lafayette Hill, Pennsylvania	Derailment	Limited resources
7	18	Nashville, Tennessee	Derailment	Limited resources
7	18	Gheen, Minnesota	Derailment	Limited resources
7	21	Fairmont, Oklahoma	Derailment	Limited resources
7	21	Springfield, Colorado	Derailment	Limited resources
7	21	Havre, Montana	Derailment	Limited resources
7	22	Valparaiso, Indiana	Obstruction	Limited resources
7	23	Decatur, Illinois	Derailment	Limited resources
7	23	Enid, Oklahoma	Derailment	Limited resources
7	24	Gary, Indiana	Derailment	Limited resources
7	25	Venice, Illinois	Derailment	Limited resources

FRA Railroad Accident – Damage Over Reporting Limit, Nonfatal (Freight)

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
7	25	Ashdown, Arkansas	Derailment	Limited resources
7	28	Barstow, California	Derailment	Limited resources
7	29	Albany, Georgia	Derailment	Limited resources
7	30	Irondale, Alabama	Derailment	Limited resources
7	30	Clinton, Iowa	Other impacts	Limited resources
7	31	College Station, Texas	Derailment	Limited resources
7	31	Springfield, Colorado	Derailment	Limited resources
8	1	Cavour, South Dakota	Highway-rail crossing	Limited resources
8	2	Calhoun, Maine	Derailment	Limited resources
8	4	Norfolk, Virginia	Derailment	Limited resources
8	4	Perham, Minnesota	Derailment	Limited resources
8	4	Schenectady, New York	Derailment	Limited resources
8	5	Cisco, Texas	Derailment	Limited resources
8	6	Barstow, California	Other impacts	Limited resources
8	7	Jacksonville, Florida	Derailment	Limited resources

FRA Railroad Accident – Damage Over Reporting Limit, Nonfatal (Freight)

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
8	8	Tulsa, Oklahoma	Derailment	Limited resources
8	8	Cheyenne, Wyoming	Derailment	Limited resources
8	8	Las Vegas, Nevada	Derailment	Limited resources
8	8	Aberdeen, Washington	Derailment	Limited resources
8	12	Memphis, Tennessee	Side collision	Limited resources
8	12	Duquesne, Pennsylvania	Derailment	Limited resources
8	13	Chewalla, Tennessee	Obstruction	Limited resources
8	14	Macon, Georgia	Side collision	Limited resources
8	14	Columbus, Nebraska	Derailment	Limited resources
8	15	Westfield, Massachusetts	Fire/violent rupture	Limited resources
8	16	Fort Worth, Texas	Derailment	Limited resources
8	16	Amarillo, Texas	Derailment	Limited resources
8	18	Mentone, Alabama	Derailment	Limited resources
8	18	Moore, Oklahoma	Derailment	Limited resources
8	19	Rocky Mount, North Carolina	Derailment	Limited resources

FRA Railroad Accident – Damage Over Reporting Limit, Nonfatal (Freight)

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
8	20	Lockhart, Texas	Derailment	Limited resources
8	20	Cathedral City, California	Derailment	Limited resources
8	21	New Iberia, Maine	Highway-rail crossing	Limited resources
8	22	Liberty, Missouri	Derailment	Limited resources
8	23	Amonate, Virginia	Derailment	Limited resources
8	24	Tina, Missouri	Derailment	Limited resources
8	25	Gary, Indiana	Other	Limited resources
8	26	Missouri Valley, Iowa	Derailment	Limited resources
8	29	Bedford Park, Illinois	Side collision	Limited resources
8	29	El Paso, Texas	Derailment	Limited resources
8	30	North Sioux City, South Dakota	Derailment	Limited resources
8	31	Catawba, North Carolina	Derailment	Limited resources
8	31	Mendota, Illinois	Derailment	Limited resources
9	1	Guernsey, Wyoming	Derailment	Limited resources
9	1	Gibbsland, Louisiana	Derailment	Limited resources

FRA Railroad Accident – Damage Over Reporting Limit, Nonfatal (Freight)

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
9	4	Selkirk, New York	Derailment	Limited resources
9	6	Manly, Iowa	Derailment	Limited resources
9	6	Bennett, Colorado	Derailment	Limited resources
9	7	Connellsville, Pennsylvania	Side collision	Limited resources
9	7	Emhouse, Texas	Derailment	Limited resources
9	8	Garnett, Kansas	Derailment	Limited resources
9	13	Guernsey, Wyoming	Derailment	Limited resources
9	14	Texas City, Texas	Derailment	Limited resources
9	14	Mayfield, Kansas	Derailment	Limited resources
9	15	Pasco, Washington	Derailment	Limited resources
9	15	Oran, Missouri	Derailment	Limited resources
9	16	Newark, New Jersey	Derailment	Limited resources
9	20	Jacksonville, Florida	Other	Limited resources
9	20	Selkirk, New York	Derailment	Limited resources
9	21	Alvin, Texas	Derailment	Limited resources

FRA Railroad Accident – Damage Over Reporting Limit, Nonfatal (Freight)

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
9	22	Eola, Illinois	Derailment	Limited resources
9	22	Hyattsville, Maryland	Derailment	Limited resources
9	24	Kansas City, Missouri	Derailment	Limited resources
9	27	Burns Harbor, Indiana	Derailment	Limited resources
9	29	Greencastle, Pennsylvania	Derailment	Limited resources
10	1	Post, Texas	Other	Limited resources
10	2	Dayton, Texas	Other	Limited resources
10	3	St. Louis, Missouri	Derailment	Limited resources
10	5	Herington, Kansas	Derailment	Limited resources
10	7	Maringouin, Louisiana	Other impacts	Limited resources
10	7	Parks, Nebraska	Highway-rail crossing	Limited resources
10	9	Wolf Creek, Oregon	Derailment	Limited resources
10	9	Colorado Springs, Colorado	Derailment	Limited resources
10	10	North Versailles, Pennsylvania	Derailment	Limited resources
10	10	Los Angeles, California	Derailment	Limited resources

FRA Railroad Accident – Damage Over Reporting Limit, Nonfatal (Freight)

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
10	13	Pueblo, Colorado	Derailment	Limited resources
10	14	Mitchell, South Dakota	Derailment	Limited resources
10	15	Blue Island, Illinois	Derailment	Limited resources
10	15	St. Joseph, Missouri	Derailment	Limited resources
10	17	Aurora, Nebraska	Derailment	Limited resources
10	18	Breckenridge, Minnesota	Derailment	Limited resources
10	20	La Porte, Texas	Derailment	Limited resources
10	20	Elkhart, Indiana	Other impacts	Limited resources
10	22	Fort Worth, Texas	Derailment	Limited resources
10	23	Haslet, Texas	Derailment	Limited resources
10	25	Yoder, Wyoming	Derailment	Limited resources
10	25	North Kansas City, Missouri	Derailment	Limited resources
10	28	Jacksonville, Florida	Side collision	Limited resources
10	29	Ramona, Oklahoma	Derailment	Limited resources
10	30	Addis, Maine	Other impacts	Limited resources

FRA Railroad Accident – Damage Over Reporting Limit, Nonfatal (Freight)

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
10	30	La Porte, Texas	Derailment	Limited resources
10	30	Palmdale, Florida	Highway-rail crossing	Limited resources
10	31	Janesville, Wisconsin	Derailment	Limited resources
10	31	Fredonia, Kansas	Derailment	Limited resources
10	31	Marana, Arizona	Highway-rail crossing	Limited resources
11	1	Rodessa, Maine	Derailment	Limited resources
11	1	Lockhart, Texas	Derailment	Limited resources
11	2	Stanleyville, North Carolina	Derailment	Limited resources
11	2	Winston Salem, North Carolina	Derailment	Limited resources
11	2	Romulus, Michigan	Derailment	Limited resources
11	4	Chico, Texas	Derailment	Limited resources
11	5	Newton, Kansas	Derailment	Limited resources
11	6	Helper, Utah	Derailment	Limited resources
11	10	Chelyan, West Virginia	Derailment	Limited resources
11	10	Cheyenne, Wyoming	Derailment	Limited resources

FRA Railroad Accident – Damage Over Reporting Limit, Nonfatal (Freight)

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
11	11	San Bernardino, California	Derailment	Limited resources
11	12	Rollinsville, Colorado	Derailment	Limited resources
11	15	Obion, Tennessee	Derailment	Limited resources
11	17	Brookwood, Alabama	Derailment	Limited resources
11	17	Atlanta, Georgia	Other impacts	Limited resources
11	18	Beaumont, Texas	Derailment	Limited resources
11	19	Jacksonville, Florida	Derailment	Limited resources
11	20	Cleburne, Texas	Derailment	Limited resources
11	22	North Little Rock, Arkansas	Derailment	Limited resources
11	22	Livingston, Kentucky	Derailment	Limited resources
11	28	Tuscaloosa, Alabama	Derailment	Limited resources
11	30	Wichita, Kansas	Derailment	Limited resources
12	1	Riverdale, Utah	Derailment	Limited resources
12	4	Beach City, Texas	Derailment	Limited resources
12	9	Madison, Tennessee	Derailment	Limited resources

FRA Railroad Accident – Damage Over Reporting Limit, Nonfatal (Freight)

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
12	9	Salina, Kansas	Derailment	Limited resources
12	9	Alva, Oklahoma	Derailment	Limited resources
12	11	Boonville, Indiana	Derailment	Limited resources
12	12	New Salem, Illinois	Derailment	Limited resources
12	13	Bakersfield, California	Derailment	Limited resources
12	15	Swishhome, Oregon	Derailment	Limited resources
12	17	Aledo, Texas	Highway-rail crossing	Limited resources
12	18	Newton, Kansas	Derailment	Limited resources
12	19	Hamilton, Mississippi	Derailment	Limited resources
12	20	Altoona, Pennsylvania	Derailment	Limited resources
12	20	Chambers, Arizona	Derailment	Limited resources
12	22	Southmont, North Carolina	Derailment	Limited resources
12	23	Macon, Georgia	Other impacts	Limited resources
12	24	Willard, Ohio	Derailment	Limited resources
12	26	North Kansas City, Missouri	Derailment	Limited resources

FRA Railroad Accident – Damage Over Reporting Limit, Nonfatal (Freight)

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
12	27	Topeka, Kansas	Derailment	Limited resources
12	27	Polk, Tennessee	Derailment	Limited resources
12	27	Butler, Pennsylvania	Other	Limited resources
12	28	St. Louis, Missouri	Derailment	Limited resources
12	29	Camden, New Jersey	Other	Limited resources
12	30	York, Nebraska	Derailment	Limited resources

FRA – Trespasser Fatality

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
1	1	Weld, Colorado	Struck by on-track equipment	Limited safety benefit
1	1	Broward, Florida	Struck by on-track equipment	Limited safety benefit
1	3	Du Page, Illinois	Struck by on-track equipment	Limited safety benefit
1	4	San Bernardino, California	On track equipment, other incidents	Limited safety benefit
1	4	Leavenworth, Kansas	Struck by on-track equipment	Limited safety benefit
1	5	Washtenaw, Michigan	Highway-rail collision/impact	Limited resources

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
1	5	Greenville, South Carolina	Highway-rail collision/impact	Limited resources
1	5	Tarrant, Texas	Struck by on-track equipment	Limited safety benefit
1	5	Suffolk, Virginia	Struck by on-track equipment	Limited safety benefit
1	5	Spokane, Washington	Struck by on-track equipment	Limited safety benefit
1	7	De Kalb, Illinois	Struck by on-track equipment	Limited safety benefit
1	9	Los Angeles, California	Struck by on-track equipment	Limited safety benefit
1	9	Adair, Oklahoma	Highway-rail collision/impact	Limited resources
1	9	Falls, Texas	Struck by on-track equipment	Limited safety benefit
1	9	Pierce, Washington	Struck by on-track equipment	Limited safety benefit
1	10	Tulare, California	Highway-rail collision/impact	Limited resources
1	10	Tarrant, Texas	Struck by on-track equipment	Limited safety benefit
1	11	Coconino, Arizona	Struck by on-track equipment	Limited safety benefit
1	11	Cook, Illinois	Struck by on-track equipment	Limited safety benefit
1	11	Washtenaw, Michigan	Highway-rail collision/impact	Limited resources
1	12	Sacramento, California	Struck by on-track equipment	Limited safety benefit

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
1	12	Gwinnett, Georgia	Struck by on-track equipment	Limited safety benefit
1	12	Polk, Texas	Struck by on-track equipment	Limited safety benefit
1	13	Brazos, Texas	On-track equipment, other incidents	Limited safety benefit
1	15	Jefferson, Alabama	Highway-rail collision/impact	Limited resources
1	15	Johnson, Kansas	Struck by on-track equipment	Limited safety benefit
1	15	Coryell, Texas	Struck by on-track equipment	Limited safety benefit
1	16	Fort Bend, Texas	Struck by on-track equipment	Limited safety benefit
1	18	San Diego, California	Highway-rail collision/impact	Limited resources
1	18	Lincoln, North Carolina	Struck by on-track equipment	Limited safety benefit
1	19	Pulaski, Arkansas	Struck by on-track equipment	Limited safety benefit
1	19	San Francisco, California	Struck by on-track equipment	Limited safety benefit
1	19	Middlesex, Massachusetts	Highway-rail collision/impact	Limited resources
1	20	Washington, Maryland	Struck by on-track equipment	Limited safety benefit
1	22	Gwinnett, Georgia	Highway-rail collision/impact	Limited resources
1	22	Travis, Texas	Struck by on-track equipment	Limited safety benefit

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
1	23	Russell, Alabama	Highway-rail collision/impact	Limited resources
1	23	Sedgwick, Kansas	Struck by on-track equipment	Limited safety benefit
1	23	Becker, Minnesota	Struck by on-track equipment	Limited safety benefit
1	23	Goshen, Wyoming	Ran into object/equipment	Limited safety benefit
1	24	Pinal, Arizona	Highway-rail collision/impact	Limited resources
1	24	Sangamon, Illinois	Struck by on-track equipment	Limited safety benefit
1	25	Kern, California	Struck by on-track equipment	Limited safety benefit
1	26	Pima, Arizona	Struck by on-track equipment	Limited safety benefit
1	26	San Joaquin, California	Struck by on-track equipment	Limited safety benefit
1	26	Cook, Illinois	Highway-rail collision/impact	Limited resources
1	27	Orange, California	Struck by on-track equipment	Limited safety benefit
1	27	Pierce, Washington	Struck by on-track equipment	Limited safety benefit
1	27	Mineral, West Virginia	Struck by on-track equipment	Limited safety benefit
1	28	Scott, Mississippi	Struck by on-track equipment	Limited safety benefit
1	30	Lake, Indiana	Struck by on-track equipment	Limited safety benefit

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
1	30	McLennan, Texas	Struck by on-track equipment	Limited safety benefit
2	1	Shelby, Tennessee	Highway-rail collision/impact	Limited resources
2	1	King, Washington	Struck by on-track equipment	Limited safety benefit
2	2	Kings, New York	Struck by on-track equipment	Limited safety benefit
2	2	Lexington, South Carolina	Struck by on-track equipment	Limited safety benefit
2	3	Mobile, Alabama	Struck by on-track equipment	Limited safety benefit
2	3	Decatur, Indiana	Struck by on-track equipment	Limited safety benefit
2	3	Lincoln, Wyoming	Struck by on-track equipment	Limited safety benefit
2	4	Sacramento, California	Struck by on-track equipment	Limited safety benefit
2	4	Kendall, Illinois	Struck by on-track equipment	Limited safety benefit
2	4	Greenville, South Carolina	Struck by on-track equipment	Limited safety benefit
2	5	Escambia, Alabama	Highway-rail collision/impact	Limited resources
2	5	Sacramento, California	Struck by on-track equipment	Limited safety benefit
2	6	Prince William, Virginia	Highway-rail collision/impact	Limited resources
2	7	Fresno, California	Struck by on-track equipment	Limited safety benefit

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
2	7	Sacramento, California	Struck by on-track equipment	Limited safety benefit
2	7	Palm Beach, Florida	Highway-rail collision/impact	Limited resources
2	7	Washington, Maryland	Struck by on-track equipment	Limited safety benefit
2	7	Clark, Nevada	Struck by on-track equipment	Limited safety benefit
2	7	Harris, Texas	Struck by on-track equipment	Limited safety benefit
2	8	Palm Beach, Florida	Highway-rail collision/impact	Limited resources
2	8	Palm Beach, Florida	Highway-rail collision/impact	Limited resources
2	8	Harrison, Kentucky	Struck by on-track equipment	Limited safety benefit
2	9	Osage, Kansas	Highway-rail collision/impact	Limited resources
2	9	Culpeper, Virginia	Highway-rail collision/impact	Limited resources
2	10	Cleveland, Arkansas	Highway-rail collision/impact	Limited resources
2	10	Kern, California	Struck by on-track equipment	Limited safety benefit
2	10	Hillsborough, Florida	Highway-rail collision/impact	Limited resources
2	10	Davidson, North Carolina	Struck by on-track equipment	Limited safety benefit
2	11	New Haven, Connecticut	Struck by on-track equipment	Limited safety benefit

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
2	11	Bowie, Texas	Struck by on-track equipment	Limited safety benefit
2	12	Hinds, Mississippi	Struck by on-track equipment	Limited safety benefit
2	13	Simpson, Kentucky	Struck by on-track equipment	Limited safety benefit
2	13	Blount, Tennessee	Struck by on-track equipment	Limited safety benefit
2	13	Dallas, Texas	Struck by on-track equipment	Limited safety benefit
2	13	Dallas, Texas	Struck by on-track equipment	Limited safety benefit
2	14	Boyd, Kentucky	Highway-rail collision/impact	Limited resources
2	14	Buchanan, Missouri	Struck by on-track equipment	Limited safety benefit
2	14	Yellowstone, Montana	Highway-rail collision/impact	Limited resources
2	15	El Paso, Texas	Struck by on-track equipment	Limited safety benefit
2	16	Merced, California	Struck by on-track equipment	Limited safety benefit
2	16	Fulton, Georgia	Struck by on-track equipment	Limited safety benefit
2	17	Appling, Georgia	Struck by on-track equipment	Limited safety benefit
2	17	Cook, Illinois	Struck by on-track equipment	Limited safety benefit
2	17	Carroll, Illinois	Struck by on-track equipment	Limited safety benefit

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
2	17	Jefferson, Wisconsin	Struck by on-track equipment	Limited safety benefit
2	18	Webb, Texas	Struck by on-track equipment	Limited safety benefit
2	19	Madison, Alabama	Struck by on-track equipment	Limited safety benefit
2	19	Fresno, California	Highway-rail collision/impact	Limited resources
2	19	Fresno, California	Highway-rail collision/impact	Limited resources
2	20	Los Angeles, California	Struck by on-track equipment	Limited safety benefit
2	20	Cook, Illinois	Struck by on-track equipment	Limited safety benefit
2	21	Knox, Tennessee	Struck by on-track equipment	Limited safety benefit
2	21	Harris, Texas	Struck by on-track equipment	Limited safety benefit
2	22	De Kalb, Georgia	Struck by on-track equipment	Limited safety benefit
2	22	Camden, New Jersey	Struck by on-track equipment	Limited safety benefit
2	22	Charleston, South Carolina	Highway-rail collision/impact	Limited resources
2	23	Campbell, Kentucky	Struck by on-track equipment	Limited safety benefit
2	23	Washington, Oregon	Struck by on-track equipment	Limited safety benefit
2	23	Richland, South Carolina	Struck by on-track equipment	Limited safety benefit

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
2	24	Kern, California	Struck by on-track equipment	Limited safety benefit
2	25	Mohave, Arizona	Struck by on-track equipment	Limited safety benefit
2	25	Harrison, Texas	Struck by on-track equipment	Limited safety benefit
2	26	Palm Beach, Florida	Struck by on-track equipment	Limited safety benefit
2	26	King, Washington	Struck by on-track equipment	Limited safety benefit
2	28	Fresno, California	Struck by on-track equipment	Limited safety benefit
2	28	Garvin, Oklahoma	Struck by on-track equipment	Limited safety benefit
3	1	Pima, Arizona	Struck by on-track equipment	Limited safety benefit
3	1	Broward, Florida	Highway-rail collision/impact	Limited resources
3	1	Vernon, Louisiana	Struck by on-track equipment	Limited safety benefit
3	3	Hamblen, Tennessee	Struck by on-track equipment	Limited safety benefit
3	4	Imperial, California	Struck by on-track equipment	Limited safety benefit
3	4	Kern, California	Struck by on-track equipment	Limited safety benefit
3	4	Miami-Dade, Florida	Highway-rail collision/impact	Limited resources
3	5	Montgomery, Alabama	Struck by on-track equipment	Limited safety benefit

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
3	5	Saline, Arkansas	Struck by on-track equipment	Limited safety benefit
3	5	Bryan, Oklahoma	Struck by on-track equipment	Limited safety benefit
3	6	Alamance, North Carolina	Struck by on-track equipment	Limited safety benefit
3	7	Pulaski, Arkansas	On track equipment, other incidents	Limited safety benefit
3	7	Monterey, California	Struck by on-track equipment	Limited safety benefit
3	8	Forrest, Mississippi	Struck by on-track equipment	Limited safety benefit
3	10	Cook, Illinois	Struck by on-track equipment	Limited safety benefit
3	10	Ulster, New York	Struck by on-track equipment	Limited safety benefit
3	10	Fairfax, Virginia	Struck by on-track equipment	Limited safety benefit
3	11	Alameda, California	Struck by on-track equipment	Limited safety benefit
3	11	Franklin, Washington	Struck by on-track equipment	Limited safety benefit
3	12	Tarrant, Texas	Caught between equipment	Limited safety benefit
3	13	Ventura, California	Struck by on-track equipment	Limited safety benefit
3	14	Sevier, Arkansas	Struck by on-track equipment	Limited safety benefit
3	14	Miami-Dade, Florida	Struck by on-track equipment	Limited safety benefit

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
3	14	St. Joseph, Indiana	Highway-rail collision/impact	Limited resources
3	15	Fayette, Indiana	Highway-rail collision/impact	Limited resources
3	15	Franklin, Kansas	Thrill seeking	Limited safety benefit
3	16	Baltimore, Maryland	Struck by on-track equipment	Limited safety benefit
3	17	Fresno, California	Struck by on-track equipment	Limited safety benefit
3	17	Adams, Illinois	Highway-rail collision/impact	Limited resources
3	17	Calcasieu, Louisiana	Struck by on-track equipment	Limited safety benefit
3	17	Bexar, Texas	Struck by on-track equipment	Limited safety benefit
3	18	Bonneville, Idaho	Struck by on-track equipment	Limited safety benefit
3	20	Tulsa, Oklahoma	Struck by on-track equipment	Limited safety benefit
3	21	Yavapai, Arizona	Struck by on-track equipment	Limited safety benefit
3	22	Pima, Arizona	Struck by on-track equipment	Limited safety benefit
3	22	Shelby, Tennessee	On-track equipment, other incidents	Limited safety benefit
3	23	Fulton, Georgia	Struck by on-track equipment	Limited safety benefit
3	24	Reno, Kansas	Struck by on-track equipment	Limited safety benefit

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
3	24	Nassau, New York	Struck by on-track equipment	Limited safety benefit
3	24	Uvalde, Texas	On-track equipment, other incidents	Limited safety benefit
3	24	Uvalde, Texas	On-track equipment, other incidents	Limited safety benefit
3	25	Philadelphia, Pennsylvania	Struck by on-track equipment	Limited safety benefit
3	25	Maverick, Texas	On-track equipment, other incidents	Limited safety benefit
3	27	Sacramento, California	Struck by on-track equipment	Limited safety benefit
3	28	Sullivan, Tennessee	Struck by on-track equipment	Limited safety benefit
3	29	Du Page, Illinois	Highway-rail collision/impact	Limited resources
3	29	Shawnee, Kansas	Thrill seeking	Limited safety benefit
3	29	Whatcom, Washington	Struck by on-track equipment	Limited safety benefit
3	30	Maricopa, Arizona	Struck by on-track equipment	Limited safety benefit
3	30	San Bernardino, California	Struck by on-track equipment	Limited safety benefit
3	30	Madison, Louisiana	Highway-rail collision/impact	Limited resources
3	31	Philadelphia, Pennsylvania	Struck by on-track equipment	Limited safety benefit
4	1	Brevard, Florida	Struck by on-track equipment	Limited safety benefit

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
4	1	Pierce, Georgia	Struck by on-track equipment	Limited safety benefit
4	1	Berks, Pennsylvania	Struck by on-track equipment	Limited safety benefit
4	1	Montgomery, Pennsylvania	Struck by on-track equipment	Limited safety benefit
4	1	Potter, Texas	Struck by on-track equipment	Limited safety benefit
4	2	Harnett, North Carolina	Highway-rail collision/impact	Limited resources
4	2	Jasper, South Carolina	Struck by on-track equipment	Limited safety benefit
4	2	Danville, Virginia	Struck by on-track equipment	Limited safety benefit
4	4	Solano, California	Highway-rail collision/impact	Limited resources
4	4	San Bernardino, California	Highway-rail collision/impact	Limited resources
4	4	Suffolk, Massachusetts	Struck by on-track equipment	Limited safety benefit
4	6	San Bernardino, California	Struck by on-track equipment	Limited safety benefit
4	6	Fort Bend, Texas	On track equipment, other incidents	Limited safety benefit
4	7	Maricopa, Arizona	Struck by on-track equipment	Limited safety benefit
4	7	Du Page, Illinois	Struck by on-track equipment	Limited safety benefit
4	7	St Joseph, Michigan	Highway-rail collision/impact	Limited resources

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
4	8	Jefferson, Iowa	Struck by on-track equipment	Limited safety benefit
4	8	Lebanon, Pennsylvania	Struck by on-track equipment	Limited safety benefit
4	9	Denver, Colorado	Highway-rail collision/impact	Limited resources
4	9	Lincoln, Nebraska	Caught, crushed, pinched, other	Limited safety benefit
4	9	Lake, Ohio	Struck by on-track equipment	Limited safety benefit
4	9	Hall, Texas	Struck by on-track equipment	Limited safety benefit
4	9	Duval, Texas	Struck by on-track equipment	Limited safety benefit
4	10	Essex, Massachusetts	Struck by on-track equipment	Limited safety benefit
4	10	Warren, Missouri	Struck by on-track equipment	Limited safety benefit
4	11	San Luis Obispo, California	Struck by on-track equipment	Limited safety benefit
4	11	San Diego, California	Struck by on-track equipment	Limited safety benefit
4	11	Union, South Carolina	Struck by on-track equipment	Limited safety benefit
4	12	Cochise, Arizona	Struck by on-track equipment	Limited safety benefit
4	13	Orange, Florida	Struck by on-track equipment	Limited safety benefit
4	13	Montgomery, Indiana	Highway-rail collision/impact	Limited resources

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
4	13	Cass, Minnesota	Highway-rail collision/impact	Limited resources
4	13	Westchester, New York	Struck by on-track equipment	Limited safety benefit
4	13	Delaware, Ohio	Struck by on-track equipment	Limited safety benefit
4	13	Preston, West Virginia	Struck by on-track equipment	Limited safety benefit
4	14	San Bernardino, California	Struck by on-track equipment	Limited safety benefit
4	14	Kern, California	Struck by on-track equipment	Limited safety benefit
4	14	Lake, Indiana	Highway-rail collision/impact	Limited resources
4	14	Cabarrus, North Carolina	Struck by on-track equipment	Limited safety benefit
4	14	King, Washington	Struck by on-track equipment	Limited safety benefit
4	15	Alameda, California	Struck by on-track equipment	Limited safety benefit
4	16	Santa Clara, California	Highway-rail collision/impact	Limited resources
4	16	Moore, North Carolina	Struck by on-track equipment	Limited safety benefit
4	16	Queens, New York	Struck by on-track equipment	Limited safety benefit
4	16	Fayette, West Virginia	Struck by on-track equipment	Limited safety benefit
4	18	Fresno, California	Highway-rail collision/impact	Limited resources

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Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
4	18	San Bernardino, California	Highway-rail collision/impact	Limited resources
4	21	Santa Barbara, California	Struck by on-track equipment	Limited safety benefit
4	21	Monterey, California	Struck by on-track equipment	Limited safety benefit
4	21	Cabarrus, North Carolina	Struck by on-track equipment	Limited safety benefit
4	22	Washtenaw, Michigan	Struck by on-track equipment	Limited safety benefit
4	23	Benton, Washington	Struck by on-track equipment	Limited safety benefit
4	24	San Diego, California	Struck by on-track equipment	Limited safety benefit
4	25	Maverick, Texas	Struck by on-track equipment	Limited safety benefit
4	26	Mobile, Alabama	Highway-rail collision/impact	Limited resources
4	26	Solano, California	Highway-rail collision/impact	Limited resources
4	27	Miami-Dade, Florida	Struck by on-track equipment	Limited safety benefit
4	27	Cook, Illinois	Struck by on-track equipment	Limited safety benefit
4	27	Multnomah, Oregon	Struck by on-track equipment	Limited safety benefit
4	28	Elko, Nevada	Struck by on-track equipment	Limited safety benefit
4	28	Bexar, Texas	Struck by on-track equipment	Limited safety benefit

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
4	29	Preble, Ohio	Highway-rail collision/impact	Limited resources
4	29	Delaware, Pennsylvania	Struck by on-track equipment	Limited safety benefit
4	30	Alameda, California	Highway-rail collision/impact	Limited resources
4	30	Wapello, Iowa	Highway-rail collision/impact	Limited resources
4	30	Frio, Texas	Struck by on-track equipment	Limited safety benefit
5	1	Los Angeles, California	Highway-rail collision/impact	Limited resources
5	1	Florence, South Carolina	Highway-rail collision/impact	Limited resources
5	2	Santa Barbara, California	Struck by on-track equipment	Limited safety benefit
5	2	Okeechobee, Florida	Struck by on-track equipment	Limited safety benefit
5	2	Douglas, Kansas	Struck by on-track equipment	Limited safety benefit
5	3	Fresno, California	Struck by on-track equipment	Limited safety benefit
5	3	Grand Forks, North Dakota	Highway-rail collision/impact	Limited resources
5	3	Washoe, Nevada	Struck by on-track equipment	Limited safety benefit
5	4	Kings, California	Struck by on-track equipment	Limited safety benefit
5	4	Riverside, California	Struck by on-track equipment	Limited safety benefit

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
5	4	Brevard, Florida	Struck by on-track equipment	Limited safety benefit
5	4	Lyon, Kansas	Highway-rail collision/impact	Limited resources
5	5	Fresno, California	Struck by on-track equipment	Limited safety benefit
5	6	Troup, Georgia	Struck by on-track equipment	Limited safety benefit
5	6	Okmulgee, Oklahoma	Struck by on-track equipment	Limited safety benefit
5	6	Washington, Tennessee	Struck by on-track equipment	Limited safety benefit
5	6	Kinney, Texas	Struck by on-track equipment	Limited safety benefit
5	7	Kern, California	Struck by on-track equipment	Limited safety benefit
5	7	Delaware, Indiana	Struck by on-track equipment	Limited safety benefit
5	7	Marion, Kansas	Highway-rail collision/impact	Limited resources
5	7	Jasper, South Carolina	Struck by on-track equipment	Limited safety benefit
5	8	Suffolk, New York	Highway-rail collision/impact	Limited resources
5	9	Los Angeles, California	Struck by on-track equipment	Limited safety benefit
5	9	Porter, Indiana	Highway-rail collision/impact	Limited resources
5	10	Fort Bend, Texas	Struck by on-track equipment	Limited safety benefit

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
5	11	San Joaquin, California	Struck by on-track equipment	Limited safety benefit
5	11	Fresno, California	Struck by on-track equipment	Limited safety benefit
5	11	Tulsa, Oklahoma	Struck by on-track equipment	Limited safety benefit
5	12	Maricopa, Arizona	On-track equipment, other incidents	Limited safety benefit
5	12	Los Angeles, California	Struck by on-track equipment	Limited safety benefit
5	12	Palm Beach, Florida	Struck by on-track equipment	Limited safety benefit
5	12	Travis, Texas	Highway-rail collision/impact	Limited resources
5	13	Ray, Missouri	Struck by on-track equipment	Limited safety benefit
5	13	Harrison, Mississippi	Struck by on-track equipment	Limited safety benefit
5	14	Los Angeles, California	Struck by on-track equipment	Limited safety benefit
5	14	Miami-Dade, Florida	Struck by on-track equipment	Limited safety benefit
5	14	McKinley, New Mexico	Struck by on-track equipment	Limited safety benefit
5	15	San Bernardino, California	Struck by on-track equipment	Limited safety benefit
5	15	Stanislaus, California	Struck by on-track equipment	Limited safety benefit
5	15	Highlands, Florida	Highway-rail collision/impact	Limited resources

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
5	15	Vigo, Indiana	Highway-rail collision/impact	Limited resources
5	16	Los Angeles, California	Highway-rail collision/impact	Limited resources
5	16	Wake, North Carolina	Struck by on-track equipment	Limited safety benefit
5	17	Dallas, Texas	Struck by on-track equipment	Limited safety benefit
5	20	Lonoke, Arkansas	Struck by on-track equipment	Limited safety benefit
5	20	Lonoke, Arkansas	Struck by on-track equipment	Limited safety benefit
5	20	Olmsted, Minnesota	Highway-rail collision/impact	Limited resources
5	20	Travis, Texas	Struck by on-track equipment	Limited safety benefit
5	21	Kern, California	Struck by on-track equipment	Limited safety benefit
5	21	Broward, Florida	Struck by on-track equipment	Limited safety benefit
5	21	Monroe, Missouri	Highway-rail collision/impact	Limited resources
5	21	Summit, Ohio	Struck by on-track equipment	Limited safety benefit
5	21	Racine, Wisconsin	Highway-rail collision/impact	Limited resources
5	22	Los Angeles, California	Struck by on-track equipment	Limited safety benefit
5	22	Bryan, Oklahoma	Struck by on-track equipment	Limited safety benefit

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
5	23	Riverside, California	Struck by on-track equipment	Limited safety benefit
5	23	Suffolk, New York	Highway-rail collision/impact	Limited resources
5	24	Erie, Ohio	Struck by on-track equipment	Limited safety benefit
5	24	Harris, Texas	Struck by on-track equipment	Limited safety benefit
5	25	Hampden, Massachusetts	Struck by on-track equipment	Limited safety benefit
5	25	Portage, Wisconsin	Highway-rail collision/impact	Limited resources
5	27	Santa Barbara, California	Struck by on-track equipment	Limited safety benefit
5	27	Sacramento, California	Struck by on-track equipment	Limited safety benefit
5	29	Cook, Illinois	Struck by on-track equipment	Limited safety benefit
5	29	Suffolk, New York	Highway-rail collision/impact	Limited resources
5	29	Lane, Oregon	Struck by on-track equipment	Limited safety benefit
5	30	Hartford, Connecticut	Struck by on-track equipment	Limited safety benefit
5	30	Cook, Illinois	Struck by on-track equipment	Limited safety benefit
5	30	Cole, Missouri	Struck by on-track equipment	Limited safety benefit
5	30	Tulsa, Oklahoma	Struck by on-track equipment	Limited safety benefit

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
5	30	Tarrant, Texas	Struck by on-track equipment	Limited safety benefit
5	30	Snohomish, Washington	Struck by on-track equipment	Limited safety benefit
5	30	Whatcom, Washington	Struck by on-track equipment	Limited safety benefit
5	31	Stanislaus, California	Struck by on-track equipment	Limited safety benefit
5	31	Cleveland, Oklahoma	Struck by on-track equipment	Limited safety benefit
5	31	Grimes, Texas	Struck by on-track equipment	Limited safety benefit
6	1	Philadelphia, Pennsylvania	Struck by on-track equipment	Limited safety benefit
6	2	Broward, Florida	Highway-rail collision/impact	Limited resources
6	2	Love, Oklahoma	Struck by on-track equipment	Limited safety benefit
6	2	Fort Bend, Texas	Struck by on-track equipment	Limited safety benefit
6	3	Lorain, Ohio	Struck by on-track equipment	Limited safety benefit
6	4	Madera, California	Struck by on-track equipment	Limited safety benefit
6	4	St. Charles, Louisiana	Struck by on-track equipment	Limited safety benefit
6	4	Monmouth, New Jersey	Struck by on-track equipment	Limited safety benefit
6	4	Ottawa, Oklahoma	Struck by on-track equipment	Limited safety benefit

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
6	4	Morris, Texas	Struck by on-track equipment	Limited safety benefit
6	5	Orange, California	Struck by on-track equipment	Limited safety benefit
6	5	New Haven, Connecticut	Struck by on-track equipment	Limited safety benefit
6	5	Palm Beach, Florida	Struck by on-track equipment	Limited safety benefit
6	5	Kendall, Illinois	Highway-rail collision/impact	Limited resources
6	5	Wasco, Oregon	Struck by on-track equipment	Limited safety benefit
6	6	Bexar, Texas	Struck by on-track equipment	Limited safety benefit
6	7	Dearborn, Indiana	Struck by on-track equipment	Limited safety benefit
6	8	Fresno, California	Struck by on-track equipment	Limited safety benefit
6	8	Plymouth, Massachusetts	Struck by on-track equipment	Limited safety benefit
6	9	Whitfield, Georgia	Struck by on-track equipment	Limited safety benefit
6	9	Fulton, Georgia	Struck by on-track equipment	Limited safety benefit
6	10	Hamilton, Tennessee	Struck by on-track equipment	Limited safety benefit
6	12	Wyandotte, Kansas	Struck by on-track equipment	Limited safety benefit
6	12	Liberty, Texas	Highway-rail collision/impact	Limited resources

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
6	12	Liberty, Texas	Highway-rail collision/impact	Limited resources
6	12	Pulaski, Virginia	Struck by on-track equipment	Limited safety benefit
6	12	Pierce, Washington	Struck by on-track equipment	Limited safety benefit
6	13	Los Angeles, California	Struck by on-track equipment	Limited safety benefit
6	13	Passaic, New Jersey	Struck by on-track equipment	Limited safety benefit
6	14	Navajo, Arizona	Struck by on-track equipment	Limited safety benefit
6	14	Du Page, Illinois	Struck by on-track equipment	Limited safety benefit
6	14	Douglas, Kansas	Struck by on-track equipment	Limited safety benefit
6	16	Alamance, North Carolina	Struck by on-track equipment	Limited safety benefit
6	18	Volusia, Florida	Struck by on-track equipment	Limited safety benefit
6	19	Contra Costa, California	Struck by on-track equipment	Limited safety benefit
6	19	Berks, Pennsylvania	Struck by on-track equipment	Limited safety benefit
6	20	Suffolk, New York	Highway-rail collision/impact	Limited resources
6	21	St. Joseph, Indiana	Highway-rail collision/impact	Limited resources
6	21	Edgecombe, North Carolina	Sudden/unexpected movement of on-track equipment	Limited safety benefit

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
6	22	Los Angeles, California	Struck by on-track equipment	Limited safety benefit
6	22	McDonough, Illinois	Struck by on-track equipment	Limited safety benefit
6	22	Harris, Texas	Other impacts - on-track equipment	Limited safety benefit
6	24	De Kalb, Georgia	Struck by on-track equipment	Limited safety benefit
6	25	De Kalb, Georgia	Struck by on-track equipment	Limited safety benefit
6	27	Alamance, North Carolina	Struck by on-track equipment	Limited safety benefit
6	27	Wise, Texas	Struck by on-track equipment	Limited safety benefit
6	29	Pima, Arizona	Struck by on-track equipment	Limited safety benefit
6	29	San Joaquin, California	Struck by on-track equipment	Limited safety benefit
6	30	Warren, Kentucky	Struck by on-track equipment	Limited safety benefit
6	30	Bexar, Texas	On-track equipment, other incidents	Limited safety benefit
7	1	Paulding, Georgia	Struck by on-track equipment	Limited safety benefit
7	3	Lyon, Nevada	Struck by on-track equipment	Limited safety benefit
7	3	Harris, Texas	On-track equipment, other incidents	Limited safety benefit
7	4	Marion, Florida	Highway-rail collision/impact	Limited resources

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
7	4	Harrison, Mississippi	Highway-rail collision/impact	Limited resources
7	6	San Bernardino, California	Struck by on-track equipment	Limited safety benefit
7	6	Santa Clara, California	Highway-rail collision/impact	Limited resources
7	6	Chesterfield, Virginia	Struck by on-track equipment	Limited safety benefit
7	7	Midland, Texas	Struck by on-track equipment	Limited safety benefit
7	8	Suffolk, New York	Struck by on-track equipment	Limited safety benefit
7	8	Lucas, Ohio	Highway-rail collision/impact	Limited resources
7	9	Palm Beach, Florida	Struck by on-track equipment	Limited safety benefit
7	9	Palm Beach, Florida	Struck by on-track equipment	Limited safety benefit
7	9	Allegheny, Pennsylvania	Struck by on-track equipment	Limited safety benefit
7	9	Mercer, West Virginia	Struck by on-track equipment	Limited safety benefit
7	10	Yuba, California	Struck by on-track equipment	Limited safety benefit
7	11	Yolo, California	Struck by on-track equipment	Limited safety benefit
7	11	San Diego, California	Struck by on-track equipment	Limited safety benefit
7	11	Skagit, Washington	Highway-rail collision/impact	Limited resources

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
7	12	Weld, Colorado	Struck by on-track equipment	Limited safety benefit
7	12	Christian, Missouri	Thrill seeking	Limited safety benefit
7	13	San Diego, California	Struck by on-track equipment	Limited safety benefit
7	13	Volusia, Florida	Highway-rail collision/impact	Limited resources
7	13	Rowan, North Carolina	Struck by on-track equipment	Limited safety benefit
7	13	Richmond City, Virginia	Struck by on-track equipment	Limited safety benefit
7	13	Suffolk, Virginia	Struck by on-track equipment	Limited safety benefit
7	13	Milwaukee, Wisconsin	Struck by on-track equipment	Limited safety benefit
7	14	Santa Clara, California	Struck by on-track equipment	Limited safety benefit
7	16	Whatcom, Washington	Struck by on-track equipment	Limited safety benefit
7	17	Hardin, Kentucky	Highway-rail collision/impact	Limited resources
7	19	Maricopa, Arizona	Struck by on-track equipment	Limited safety benefit
7	19	Norfolk, Massachusetts	Struck by on-track equipment	Limited safety benefit
7	19	Hood River, Oregon	Highway-rail collision/impact	Limited resources
7	20	Solano, California	Struck by on-track equipment	Limited safety benefit

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
7	20	Wilcox, Georgia	Highway-rail collision/impact	Limited resources
7	20	Cook, Illinois	Struck by on-track equipment	Limited safety benefit
7	20	Macoupin, Illinois	Highway-rail collision/impact	Limited resources
7	22	Cobb, Georgia	Struck by on-track equipment	Limited safety benefit
7	23	Miami-Dade, Florida	Struck by on-track equipment	Limited safety benefit
7	23	Wake, North Carolina	Struck by on-track equipment	Limited safety benefit
7	23	Bergen, New Jersey	Struck by on-track equipment	Limited safety benefit
7	23	Delaware, Pennsylvania	Struck by on-track equipment	Limited safety benefit
7	24	Queens, New York	Struck by on-track equipment	Limited safety benefit
7	25	Christian, Illinois	Struck by on-track equipment	Limited safety benefit
7	25	Laurel, Kentucky	Struck by on-track equipment	Limited safety benefit
7	25	Clark, Nevada	Highway-rail collision/impact	Limited resources
7	27	Tulare, California	Struck by on-track equipment	Limited safety benefit
7	27	Denver, Colorado	Struck by on-track equipment	Limited safety benefit
7	27	St. Joseph, Indiana	Struck by on-track equipment	Limited safety benefit

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
7	27	Essex, Massachusetts	Highway-rail collision/impact	Limited resources
7	27	McKinley, New Mexico	Struck by on-track equipment	Limited safety benefit
7	27	Oneida, New York	Struck by on-track equipment	Limited safety benefit
7	27	Whatcom, Washington	Struck by on-track equipment	Limited safety benefit
7	28	Richland, Ohio	Highway-rail collision/impact	Limited resources
7	29	Geary, Kansas	Struck by on-track equipment	Limited safety benefit
7	30	Palm Beach, Florida	Struck by on-track equipment	Limited safety benefit
7	30	Carroll, Indiana	Struck by on-track equipment	Limited safety benefit
7	30	Plymouth, Massachusetts	Struck by on-track equipment	Limited safety benefit
7	30	Jackson, Missouri	Struck by on-track equipment	Limited safety benefit
7	30	Rowan, North Carolina	Highway-rail collision/impact	Limited resources
7	30	Ashtabula, Ohio	Struck by on-track equipment	Limited safety benefit
8	1	San Diego, California	Struck by on-track equipment	Limited safety benefit
8	1	Kern, California	Struck by on-track equipment	Limited safety benefit
8	1	Santa Barbara, California	Struck by on-track equipment	Limited safety benefit

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
8	2	Los Angeles, California	Struck by on-track equipment	Limited safety benefit
8	2	Jackson, Georgia	Struck by on-track equipment	Limited safety benefit
8	2	Pickens, South Carolina	Highway-rail collision/impact	Limited resources
8	2	Union, South Carolina	Struck by on-track equipment	Limited safety benefit
8	2	Cherokee, Texas	Struck by on-track equipment	Limited safety benefit
8	2	Fauquier, Virginia	Highway-rail collision/impact	Limited resources
8	2	Kanawha, West Virginia	Struck by on-track equipment	Limited safety benefit
8	3	Volusia, Florida	Struck by on-track equipment	Limited safety benefit
8	4	San Joaquin, California	Struck by on-track equipment	Limited safety benefit
8	4	San Francisco, California	Struck by on-track equipment	Limited safety benefit
8	4	Delaware, Pennsylvania	Struck by on-track equipment	Limited safety benefit
8	5	Harper, Kansas	Highway-rail collision/impact	Limited resources
8	5	Tulsa, Oklahoma	Highway-rail collision/impact	Limited resources
8	5	Montgomery, Pennsylvania	Struck by on-track equipment	Limited safety benefit
8	5	Rusk, Wisconsin	Struck by on-track equipment	Limited safety benefit

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
8	6	San Bernardino, California	Struck by on-track equipment	Limited safety benefit
8	6	Los Angeles, California	Struck by on-track equipment	Limited safety benefit
8	6	Reno, Kansas	Struck by on-track equipment	Limited safety benefit
8	6	Dona Ana, New Mexico	Struck by on-track equipment	Limited safety benefit
8	6	Nassau, New York	Struck by on-track equipment	Limited safety benefit
8	7	Sacramento, California	Highway-rail collision/impact	Limited resources
8	7	Spaulding, Georgia	Struck by on-track equipment	Limited safety benefit
8	7	Ashtabula, Ohio	Struck by on-track equipment	Limited safety benefit
8	8	San Mateo, California	Struck by on-track equipment	Limited safety benefit
8	8	Yellowstone, Montana	Struck by on-track equipment	Limited safety benefit
8	9	Los Angeles, California	Struck by on-track equipment	Limited safety benefit
8	9	Kern, California	Struck by on-track equipment	Limited safety benefit
8	9	Chatham, Georgia	Struck by on-track equipment	Limited safety benefit
8	10	Riverside, California	Highway-rail collision/impact	Limited resources
8	11	Los Angeles, California	Struck by on-track equipment	Limited safety benefit

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
8	11	Henry, Indiana	Highway-rail collision/impact	Limited resources
8	12	Prince William, Virginia	Struck by on-track equipment	Limited safety benefit
8	13	Isanti, Minnesota	Struck by on-track equipment	Limited safety benefit
8	13	Guilford, North Carolina	Struck by on-track equipment	Limited safety benefit
8	13	Dona Ana, New Mexico	Struck by on-track equipment	Limited safety benefit
8	13	Fayette, West Virginia	Struck by on-track equipment	Limited safety benefit
8	15	Santa Clara, California	Highway-rail collision/impact	Limited resources
8	16	San Joaquin, California	Struck by on-track equipment	Limited safety benefit
8	16	Elkhart, Indiana	Highway-rail collision/impact	Limited resources
8	17	Prince George's, Maryland	Struck by on-track equipment	Limited safety benefit
8	17	Prince George's, Maryland	Struck by on-track equipment	Limited safety benefit
8	17	Bronx, New York	Struck by on-track equipment	Limited safety benefit
8	18	San Bernardino, California	Struck by on-track equipment	Limited safety benefit
8	18	Davidson, North Carolina	Struck by on-track equipment	Limited safety benefit
8	18	Manassas, Virginia	Highway-rail collision/impact	Limited resources

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
8	18	Pierce, Washington	Struck by on-track equipment	Limited safety benefit
8	19	Floyd, Georgia	Struck by on-track equipment	Limited safety benefit
8	20	San Luis Obispo, California	Struck by on-track equipment	Limited safety benefit
8	21	New York, New York	Struck by on-track equipment	Limited safety benefit
8	22	Cook, Illinois	Struck by on-track equipment	Limited safety benefit
8	22	Shelby, Tennessee	Struck by on-track equipment	Limited safety benefit
8	22	Bexar, Texas	Struck by on-track equipment	Limited safety benefit
8	23	St. Louis, Missouri	On track equipment, other incidents	Limited safety benefit
8	24	San Bernardino, California	Struck by on-track equipment	Limited safety benefit
8	24	De Kalb, Georgia	Struck by on-track equipment	Limited safety benefit
8	24	Forrest, Mississippi	Struck by on-track equipment	Limited safety benefit
8	24	Chelan, Washington	Struck by on-track equipment	Limited safety benefit
8	26	Contra Costa, California	Struck by on-track equipment	Limited safety benefit
8	26	Bartow, Georgia	Struck by on-track equipment	Limited safety benefit
8	27	San Bernardino, California	Struck by on-track equipment	Limited safety benefit

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
8	27	Suffolk, New York	Struck by on-track equipment	Limited safety benefit
8	27	Obion, Tennessee	Highway-rail collision/impact	Limited resources
8	28	Madera, California	Highway-rail collision/impact	Limited resources
8	28	Hartford, Connecticut	Struck by on-track equipment	Limited safety benefit
8	28	Sangamon, Illinois	Highway-rail collision/impact	Limited resources
8	28	Warren, Kentucky	Struck by on-track equipment	Limited safety benefit
8	29	Lee, Mississippi	Highway-rail collision/impact	Limited resources
8	29	Nassau, New York	Struck by on-track equipment	Limited safety benefit
8	29	Clark, Washington	Struck by on-track equipment	Limited safety benefit
8	30	Ventura, California	Struck by on-track equipment	Limited safety benefit
8	30	Gibson, Indiana	Struck by on-track equipment	Limited safety benefit
8	30	Passaic, New Jersey	Struck by on-track equipment	Limited safety benefit
8	31	Bergen, New Jersey	Struck by on-track equipment	Limited safety benefit
8	31	Jefferson, Texas	Struck by on-track equipment	Limited safety benefit
9	1	Los Angeles, California	Struck by on-track equipment	Limited safety benefit

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
9	1	Lake, Illinois	Highway-rail collision/impact	Limited resources
9	1	Summit, Ohio	Struck by on-track equipment	Limited safety benefit
9	2	Orange, California	Struck by on-track equipment	Limited safety benefit
9	2	Marion, Indiana	Struck by on-track equipment	Limited safety benefit
9	2	Marion, Oregon	Struck by on-track equipment	Limited safety benefit
9	2	Corson, South Dakota	Struck by on-track equipment	Limited safety benefit
9	3	San Diego, California	Highway-rail collision/impact	Limited resources
9	3	Larimer, Colorado	Highway-rail collision/impact	Limited resources
9	3	Broward, Florida	Struck by on-track equipment	Limited safety benefit
9	3	Cook, Illinois	Struck by on-track equipment	Limited safety benefit
9	3	Shelby, Texas	Struck by on-track equipment	Limited safety benefit
9	3	Harris, Texas	Highway-rail collision/impact	Limited resources
9	3	Crane, Texas	Struck by on-track equipment	Limited safety benefit
9	3	Outagamie, Wisconsin	Struck by on-track equipment	Limited safety benefit
9	4	Riverside, California	Struck by on-track equipment	Limited safety benefit

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
9	4	Los Angeles, California	Struck by on-track equipment	Limited safety benefit
9	4	Santa Barbara, California	Thrill seeking	Limited safety benefit
9	4	Fayette, Kentucky	Struck by on-track equipment	Limited safety benefit
9	4	Barnstable, Massachusetts	Struck by on-track equipment	Limited safety benefit
9	4	New York, New York	Struck by on-track equipment	Limited safety benefit
9	4	Queens, New York	Struck by on-track equipment	Limited safety benefit
9	4	Jasper, South Carolina	Struck by on-track equipment	Limited safety benefit
9	4	Tarrant, Texas	Struck by on-track equipment	Limited safety benefit
9	7	Pasco, Florida	Struck by on-track equipment	Limited safety benefit
9	7	Nacogdoches, Texas	Struck by on-track equipment	Limited safety benefit
9	8	Los Angeles, California	Struck by on-track equipment	Limited safety benefit
9	9	Randolph, Indiana	Highway-rail collision/impact	Limited resources
9	9	Rapides, Louisiana	On-track equipment, other incidents	Limited safety benefit
9	10	Los Angeles, California	Struck by on-track equipment	Limited safety benefit
9	10	Pasco, Florida	Struck by on-track equipment	Limited safety benefit

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
9	10	Sequoyah, Oklahoma	Struck by on-track equipment	Limited safety benefit
9	11	Broome, New York	Struck by on-track equipment	Limited safety benefit
9	11	Windham, Vermont	Struck by on-track equipment	Limited safety benefit
9	12	Seminole, Florida	Struck by on-track equipment	Limited safety benefit
9	12	Harford, Maryland	Struck by on-track equipment	Limited safety benefit
9	12	Tarrant, Texas	Struck by on-track equipment	Limited safety benefit
9	13	San Diego, California	Struck by on-track equipment	Limited safety benefit
9	13	St. James, Louisiana	Struck by on-track equipment	Limited safety benefit
9	13	Webb, Texas	Struck by on-track equipment	Limited safety benefit
9	14	Westchester, New York	Struck by on-track equipment	Limited safety benefit
9	14	Shelby, Tennessee	Struck by on-track equipment	Limited safety benefit
9	15	Harris, Texas	Struck by on-track equipment	Limited safety benefit
9	17	Alameda, California	Highway-rail collision/impact	Limited resources
9	18	Washoe, Nevada	Struck by on-track equipment	Limited safety benefit
9	19	Lee, Alabama	Highway-rail collision/impact	Limited resources

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
9	20	Madera, California	Struck by on-track equipment	Limited safety benefit
9	21	Merced, California	Struck by on-track equipment	Limited safety benefit
9	21	Kern, California	Struck by on-track equipment	Limited safety benefit
9	21	Jackson, Illinois	Struck by on-track equipment	Limited safety benefit
9	21	Du Page, Illinois	Struck by on-track equipment	Limited safety benefit
9	22	San Bernardino, California	Struck by on-track equipment	Limited safety benefit
9	22	Palm Beach, Florida	Struck by on-track equipment	Limited safety benefit
9	23	Pima, Arizona	On-track equipment, other incidents	Limited safety benefit
9	23	San Francisco, California	Struck by on-track equipment	Limited safety benefit
9	23	Monterey, California	Struck by on-track equipment	Limited safety benefit
9	23	Troup, Georgia	Struck by on-track equipment	Limited safety benefit
9	23	Sedgwick, Kansas	Struck by on-track equipment	Limited safety benefit
9	23	Pearl River, Mississippi	Struck by on-track equipment	Limited safety benefit
9	24	Kings, California	Struck by on-track equipment	Limited safety benefit
9	25	Pima, Arizona	Struck by on-track equipment	Limited safety benefit

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
9	25	Fulton, Georgia	Struck by on-track equipment	Limited safety benefit
9	26	Fresno, California	Struck by on-track equipment	Limited safety benefit
9	26	Pierce, Washington	Struck by on-track equipment	Limited safety benefit
9	27	Luna, New Mexico	On-track equipment, other incidents	Limited safety benefit
9	28	Sacramento, California	Struck by on-track equipment	Limited safety benefit
9	28	Grant, Indiana	Highway-rail collision/impact	Limited resources
9	28	Umatilla, Oregon	Struck by on-track equipment	Limited safety benefit
9	28	Philadelphia, Pennsylvania	Struck by on-track equipment	Limited safety benefit
9	29	Jackson, Indiana	Struck by on-track equipment	Limited safety benefit
9	29	Okmulgee, Oklahoma	Struck by on-track equipment	Limited safety benefit
9	30	Los Angeles, California	Struck by on-track equipment	Limited safety benefit
9	30	Somerset, New Jersey	Struck by on-track equipment	Limited safety benefit
10	1	Clinton, Iowa	Struck by on-track equipment	Limited safety benefit
10	1	Cabarrus, North Carolina	Struck by on-track equipment	Limited safety benefit
10	2	Hall, Georgia	Struck by on-track equipment	Limited safety benefit

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
10	3	Craighead, Arkansas	Struck by on-track equipment	Limited safety benefit
10	3	De Kalb, Georgia	Struck by on-track equipment	Limited safety benefit
10	3	Paulding, Georgia	Highway-rail collision/impact	Limited resources
10	4	Alameda, California	Struck by on-track equipment	Limited safety benefit
10	4	Tulare, California	Struck by on-track equipment	Limited safety benefit
10	4	Butler, Pennsylvania	Struck by on-track equipment	Limited safety benefit
10	5	Colbert, Alabama	Struck by on-track equipment	Limited safety benefit
10	5	San Joaquin, California	Struck by on-track equipment	Limited safety benefit
10	6	Alameda, California	Struck by on-track equipment	Limited safety benefit
10	6	Broward, Florida	Struck by on-track equipment	Limited safety benefit
10	6	Volusia, Florida	Struck by on-track equipment	Limited safety benefit
10	6	Clark, Washington	Struck by on-track equipment	Limited safety benefit
10	7	Fayette, Kentucky	Highway-rail collision/impact	Limited resources
10	7	St. Louis, Missouri	On-track equipment, other incidents	Limited safety benefit
10	7	Westchester, New York	Struck by on-track equipment	Limited safety benefit

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
10	7	Chemung, New York	Struck by on-track equipment	Limited safety benefit
10	8	Roosevelt, Montana	Struck by on-track equipment	Limited safety benefit
10	9	Hot Spring, Arkansas	Struck by on-track equipment	Limited safety benefit
10	9	Los Angeles, California	On-track equipment, other incidents	Limited safety benefit
10	9	Du Page, Illinois	Struck by on-track equipment	Limited safety benefit
10	9	Prince William, Virginia	Struck by on-track equipment	Limited safety benefit
10	11	San Luis Obispo, California	Struck by on-track equipment	Limited safety benefit
10	11	Merced, California	Struck by on-track equipment	Limited safety benefit
10	11	Lake, Indiana	Struck by on-track equipment	Limited safety benefit
10	12	Minnehaha, South Dakota	Struck by on-track equipment	Limited safety benefit
10	13	Coconino, Arizona	Struck by on-track equipment	Limited safety benefit
10	13	Los Angeles, California	Struck by on-track equipment	Limited safety benefit
10	13	Suffolk, Massachusetts	Struck by on-track equipment	Limited safety benefit
10	13	Monmouth, New Jersey	Highway-rail collision/impact	Limited resources
10	14	Fresno, California	Struck by on-track equipment	Limited safety benefit

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
10	15	Kern, California	Struck by on-track equipment	Limited safety benefit
10	15	Carbon, Utah	Highway-rail collision/impact	Limited resources
10	16	Queens, New York	Struck by on-track equipment	Limited safety benefit
10	16	Cleveland, Oklahoma	Highway-rail collision/impact	Limited resources
10	16	Harris, Texas	Highway-rail collision/impact	Limited resources
10	16	Colorado, Texas	Struck by on-track equipment	Limited safety benefit
10	17	Orange, North Carolina	Struck by on-track equipment	Limited safety benefit
10	17	Bosque, Texas	Struck by on-track equipment	Limited safety benefit
10	17	Pierce, Washington	Struck by on-track equipment	Limited safety benefit
10	18	Westchester, New York	Struck by on-track equipment	Limited safety benefit
10	18	Donley, Texas	Highway-rail collision/impact	Limited resources
10	18	Cameron, Texas	Struck by on-track equipment	Limited safety benefit
10	19	Brevard, Florida	Highway-rail collision/impact	Limited resources
10	19	Bergen, New Jersey	Struck by on-track equipment	Limited safety benefit
10	19	Clark, Nevada	Struck by on-track equipment	Limited safety benefit

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
10	20	Coconino, Arizona	Highway-rail collision/impact	Limited resources
10	20	Pima, Arizona	Struck by on-track equipment	Limited safety benefit
10	20	Los Angeles, California	On-track equipment, other incidents	Limited safety benefit
10	20	Fresno, California	Struck by on-track equipment	Limited safety benefit
10	20	Strafford, New Hampshire	Struck by on-track equipment	Limited safety benefit
10	21	Riverside, California	Struck by on-track equipment	Limited safety benefit
10	21	Brevard, Florida	Struck by on-track equipment	Limited safety benefit
10	21	Cook, Illinois	Struck by on-track equipment	Limited safety benefit
10	22	Jefferson, Alabama	Highway-rail collision/impact	Limited resources
10	22	Kern, California	Struck by on-track equipment	Limited safety benefit
10	22	New Castle, Delaware	Struck by on-track equipment	Limited safety benefit
10	23	Orange, California	On-track equipment, other incidents	Limited safety benefit
10	23	Greene, Missouri	Struck by on-track equipment	Limited safety benefit
10	24	New London, Connecticut	Struck by on-track equipment	Limited safety benefit
10	25	Butler, Pennsylvania	Struck by on-track equipment	Limited safety benefit

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
10	26	Coconino, Arizona	Struck by on-track equipment	Limited safety benefit
10	26	Barber, Kansas	Highway-rail collision/impact	Limited resources
10	26	Bracken, Kentucky	Struck by on-track equipment	Limited safety benefit
10	26	Ouachita, Louisiana	Struck by on-track equipment	Limited safety benefit
10	26	Buffalo, Nebraska	Struck by on-track equipment	Limited safety benefit
10	26	Chesterfield, Virginia	Struck by on-track equipment	Limited safety benefit
10	26	King, Washington	Struck by on-track equipment	Limited safety benefit
10	27	Lake, Illinois	Struck by on-track equipment	Limited safety benefit
10	28	Robeson, North Carolina	Struck by on-track equipment	Limited safety benefit
10	30	Miami-Dade, Florida	Struck by on-track equipment	Limited safety benefit
10	30	Salt Lake, Utah	Struck by on-track equipment	Limited safety benefit
11	1	Lee, Illinois	Struck by on-track equipment	Limited safety benefit
11	1	Caldwell, Louisiana	Struck by on-track equipment	Limited safety benefit
11	1	Erie, Ohio	Other impacts - on-track equipment	Limited safety benefit
11	2	San Bernardino, California	Highway-rail collision/impact	Limited resources

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
11	2	Douglas, Colorado	Struck by on-track equipment	Limited safety benefit
11	2	Volusia, Florida	Highway-rail collision/impact	Limited resources
11	2	De Kalb, Indiana	Struck by on-track equipment	Limited safety benefit
11	2	Grimes, Texas	Struck by on-track equipment	Limited safety benefit
11	3	San Joaquin, California	Struck by on-track equipment	Limited safety benefit
11	3	Los Angeles, California	On track equipment, other incidents	Limited safety benefit
11	3	Carroll, Georgia	Struck by on-track equipment	Limited safety benefit
11	3	Mecklenburg, North Carolina	Struck by on-track equipment	Limited safety benefit
11	3	Dawson, Nebraska	Struck by on-track equipment	Limited safety benefit
11	3	Suffolk, New York	Highway-rail collision/impact	Limited resources
11	3	Westchester, New York	Struck by on-track equipment	Limited safety benefit
11	4	Sedgwick, Kansas	Highway-rail collision/impact	Limited resources
11	5	Jasper, Missouri	Struck by on-track equipment	Limited safety benefit
11	5	Jasper, Missouri	Struck by on-track equipment	Limited safety benefit
11	5	Collin, Texas	Struck by on-track equipment	Limited safety benefit

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
11	6	Santa Barbara, California	Struck by on-track equipment	Limited safety benefit
11	6	Cass, Texas	Struck by on-track equipment	Limited safety benefit
11	7	Los Angeles, California	Struck by on-track equipment	Limited safety benefit
11	7	Morris, New Jersey	Struck by on-track equipment	Limited safety benefit
11	7	Umatilla, Oregon	Struck by on-track equipment	Limited safety benefit
11	8	Orange, California	On-track equipment, other incidents	Limited safety benefit
11	8	Bullitt, Kentucky	Struck by on-track equipment	Limited safety benefit
11	9	Limestone, Alabama	Struck by on-track equipment	Limited safety benefit
11	9	Hillsborough, Florida	Struck by on-track equipment	Limited safety benefit
11	10	Palm Beach, Florida	Struck by on-track equipment	Limited safety benefit
11	10	Ware, Georgia	Struck by on-track equipment	Limited safety benefit
11	10	Worcester, Massachusetts	Struck by on-track equipment	Limited safety benefit
11	11	Santa Barbara, California	Struck by on-track equipment	Limited safety benefit
11	11	Miami-Dade, Florida	Other impacts - on-track equipment	Limited safety benefit
11	11	Cook, Illinois	Ran into on-track equipment	Limited safety benefit

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
11	11	Socorro, New Mexico	Struck by on-track equipment	Limited safety benefit
11	11	Cleveland, Oklahoma	Struck by on-track equipment	Limited safety benefit
11	12	Cook, Illinois	Struck by on-track equipment	Limited safety benefit
11	12	Dona Ana, New Mexico	Struck by on-track equipment	Limited safety benefit
11	13	Elkhart, Indiana	Highway-rail collision/impact	Limited resources
11	13	Rutherford, Tennessee	Highway-rail collision/impact	Limited resources
11	14	Solano, California	Struck by on-track equipment	Limited safety benefit
11	14	Macomb, Michigan	Struck by on-track equipment	Limited safety benefit
11	14	Cuyahoga, Ohio	Struck by on-track equipment	Limited safety benefit
11	15	Clarke, Georgia	Struck by on-track equipment	Limited safety benefit
11	15	Robeson, North Carolina	Highway-rail collision/impact	Limited resources
11	15	Fulton, Ohio	Other impacts - on-track equipment	Limited safety benefit
11	16	Wayne, New York	Struck by on-track equipment	Limited safety benefit
11	17	Polk, Florida	Struck by on-track equipment	Limited safety benefit
11	17	Greensville, Virginia	Highway-rail collision/impact	Limited resources

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
11	17	King, Washington	Struck by on-track equipment	Limited safety benefit
11	18	Bryan, Oklahoma	Struck by on-track equipment	Limited safety benefit
11	18	Williamson, Texas	Struck by on-track equipment	Limited safety benefit
11	19	Tehama, California	Struck by on-track equipment	Limited safety benefit
11	19	Fulton, Georgia	Struck by on-track equipment	Limited safety benefit
11	19	De Kalb, Illinois	Struck by on-track equipment	Limited safety benefit
11	20	Clark, Indiana	Struck by on-track equipment	Limited safety benefit
11	20	Caddo, Louisiana	Highway-rail collision/impact	Limited resources
11	21	Cook, Illinois	Struck by on-track equipment	Limited safety benefit
11	21	Queens, New York	Struck by on-track equipment	Limited safety benefit
11	21	Kanawha, West Virginia	Struck by on-track equipment	Limited safety benefit
11	22	Kern, California	Struck by on-track equipment	Limited safety benefit
11	22	Palm Beach, Florida	Highway-rail collision/impact	Limited resources
11	22	Gwinnett, Georgia	Struck by on-track equipment	Limited safety benefit
11	22	Pierce, Washington	Struck by on-track equipment	Limited safety benefit

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
11	23	Merced, California	Struck by on-track equipment	Limited safety benefit
11	23	Douglas, Kansas	Struck by on-track equipment	Limited safety benefit
11	24	San Mateo, California	Highway-rail collision/impact	Limited resources
11	24	Los Angeles, California	Struck by on-track equipment	Limited safety benefit
11	24	New Haven, Connecticut	Struck by on-track equipment	Limited safety benefit
11	24	Multnomah, Oregon	Struck by on-track equipment	Limited safety benefit
11	25	Lake, Indiana	Highway-rail collision/impact	Limited resources
11	27	Stanislaus, California	Struck by on-track equipment	Limited safety benefit
11	27	Marion, Ohio	Highway-rail collision/impact	Limited resources
11	28	Bergen, New Jersey	Struck by on-track equipment	Limited safety benefit
11	28	Nueces, Texas	Highway-rail collision/impact	Limited resources
11	29	Sacramento, California	Struck by on-track equipment	Limited safety benefit
11	29	Hanover, Virginia	Struck by on-track equipment	Limited safety benefit
11	30	Alameda, California	Struck by on-track equipment	Limited safety benefit
11	30	Fulton, Georgia	Struck by on-track equipment	Limited safety benefit

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
11	30	Tarrant, Texas	Struck by on-track equipment	Limited safety benefit
12	1	Shasta, California	Struck by on-track equipment	Limited safety benefit
12	1	Miami-Dade, Florida	Struck by on-track equipment	Limited safety benefit
12	1	Broward, Florida	Highway-rail collision/impact	Limited resources
12	1	Douglas, Nebraska	Struck by on-track equipment	Limited safety benefit
12	2	Cook, Illinois	Struck by on-track equipment	Limited safety benefit
12	3	Alameda, California	Struck by on-track equipment	Limited safety benefit
12	3	La Porte, Indiana	Struck by on-track equipment	Limited safety benefit
12	3	Big Horn, Montana	Struck by on-track equipment	Limited safety benefit
12	3	Lucas, Ohio	Struck by on-track equipment	Limited safety benefit
12	3	Shelby, Tennessee	Struck by on-track equipment	Limited safety benefit
12	4	Berkeley, South Carolina	Highway-rail collision/impact	Limited resources
12	4	Montgomery, Texas	Struck by on-track equipment	Limited safety benefit
12	5	Elkhart, Indiana	Struck by on-track equipment	Limited safety benefit
12	6	Los Angeles, California	Struck by on-track equipment	Limited safety benefit

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
12	6	Stark, North Dakota	Struck by on-track equipment	Limited safety benefit
12	6	Westchester, New York	Struck by on-track equipment	Limited safety benefit
12	7	Navajo, Arizona	Struck by on-track equipment	Limited safety benefit
12	7	Alameda, California	Struck by on-track equipment	Limited safety benefit
12	7	Cumberland, Pennsylvania	Struck by on-track equipment	Limited safety benefit
12	7	Denton, Texas	Highway-rail collision/impact	Limited resources
12	8	Palm Beach, Florida	Highway-rail collision/impact	Limited resources
12	8	Westchester, New York	Struck by on-track equipment	Limited safety benefit
12	9	Kings, California	Struck by on-track equipment	Limited safety benefit
12	9	Christian, Kentucky	Struck by on-track equipment	Limited safety benefit
12	10	Portage, Ohio	Struck by on-track equipment	Limited safety benefit
12	11	San Bernardino, California	Struck by on-track equipment	Limited safety benefit
12	11	Erie, Pennsylvania	Highway-rail collision/impact	Limited resources
12	11	Pierce, Washington	Struck by on-track equipment	Limited safety benefit
12	12	Gaston, North Carolina	Struck by on-track equipment	Limited safety benefit

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
12	12	Newberry, South Carolina	Struck by on-track equipment	Limited safety benefit
12	13	Tarrant, Texas	Struck by on-track equipment	Limited safety benefit
12	14	Los Angeles, California	Struck by on-track equipment	Limited safety benefit
12	14	Hall, Georgia	Highway-rail collision/impact	Limited resources
12	14	Cabarrus, North Carolina	Struck by on-track equipment	Limited safety benefit
12	14	Loudon, Tennessee	Highway-rail collision/impact	Limited resources
12	15	Broward, Florida	Highway-rail collision/impact	Limited resources
12	17	Muskogee, Oklahoma	Struck by on-track equipment	Limited safety benefit
12	18	Orange, California	On-track equipment, other incidents	Limited safety benefit
12	19	Palm Beach, Florida	Highway-rail collision/impact	Limited resources
12	19	Lake, Illinois	Struck by on-track equipment	Limited safety benefit
12	21	Lake, Indiana	Highway-rail collision/impact	Limited resources
12	22	Orange, California	Struck by on-track equipment	Limited safety benefit
12	22	Santa Barbara, California	Struck by on-track equipment	Limited safety benefit
12	23	San Bernardino, California	Struck by on-track equipment	Limited safety benefit

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
12	24	Brevard, Florida	Highway-rail collision/impact	Limited resources
12	24	Westmoreland, Pennsylvania	Struck by on-track equipment	Limited safety benefit
12	25	Los Angeles, California	Struck by on-track equipment	Limited safety benefit
12	25	McKinley, New Mexico	Struck by on-track equipment	Limited safety benefit
12	27	Pima, Arizona	Struck by on-track equipment	Limited safety benefit
12	27	Maricopa, Arizona	Struck by on-track equipment	Limited safety benefit
12	27	Delaware, Pennsylvania	Struck by on-track equipment	Limited safety benefit
12	28	Sangamon, Illinois	Highway-rail collision/impact	Limited resources
12	28	McMinn, Tennessee	Struck by on-track equipment	Limited safety benefit
12	28	Milwaukee, Wisconsin	Struck by on-track equipment	Limited safety benefit
12	29	San Joaquin, California	Struck by on-track equipment	Limited safety benefit
12	29	Burleigh, North Dakota	Struck by on-track equipment	Limited safety benefit
12	29	Philadelphia, Pennsylvania	Struck by on-track equipment	Limited safety benefit
12	30	Maricopa, Arizona	Struck by on-track equipment	Limited safety benefit
12	30	Los Angeles, California	Struck by on-track equipment	Limited safety benefit

FRA – Trespasser Fatality

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
12	30	Norfolk, Massachusetts	Struck by on-track equipment	Limited safety benefit
12	31	Palm Beach, Florida	Highway-rail collision/impact	Limited resources
12	31	Broward, Florida	Highway-rail collision/impact	Limited resources
12	31	Wyandotte, Kansas	Struck by on-track equipment	Limited safety benefit

FTA – Transit Fatal (Passenger, Customer, Employee)

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
1	24	MTA New York City Transit	Rail collision with person	Limited resources
2	18	Massachusetts Bay Transportation Authority	Other	Limited resources
2	20	MTA New York City Transit	Rail collision with person	Limited safety benefit
3	22	MTA New York City Transit	Rail collision with person	Limited resources
4	14	San Diego Metropolitan Transit System	Rail collision with person	Limited resources
6	22	MTA New York City Transit	Rail collision with person	Limited resources
6	29	MTA New York City Transit	Rail collision with person	Limited safety benefit
11	14	MTA New York City Transit	Other	Limited safety benefit

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
11	20	MTA New York City Transit	Other	Limited safety benefit
12	2	Los Angeles County Metropolitan Transportation Authority	Collision with person	Limited safety benefit
12	11	Chicago Transit Authority	Collision with person	Limited safety benefit
12	11	Metropolitan Atlanta Rapid Transit Authority	Collision with person	Limited safety benefit
12	21	Tri-County Metropolitan Transportation District of Oregon	Collision with person	Limited safety benefit

FTA – Transit Fatal (Not a Passenger, Customer, Employee)

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
1	4	MTA New York City Transit	Rail collision with person	Limited safety benefit
1	7	MTA New York City Transit	Rail collision with person	Limited safety benefit
1	11	San Diego Metropolitan Transit System	Rail collision with person	Limited safety benefit
1	14	MTA New York City Transit	Rail collision with person	Limited safety benefit
1	15	Bi-State Development Agency of the Missouri-Illinois Metropolitan District	Rail collision with person	Limited safety benefit
1	16	MTA New York City Transit	Rail collision with person	Limited safety benefit
1	18	North County Transit District	Rail collision with person	Limited safety benefit

FTA – Transit Fatal (Not a Passenger, Customer, Employee)

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
1	18	Southeastern Pennsylvania Transportation Authority	Rail collision with person	Limited safety benefit
1	21	MTA New York City Transit	Rail collision with person	Limited safety benefit
1	23	MTA New York City Transit	Rail collision with person	Limited safety benefit
1	24	San Francisco Bay Area Rapid Transit District	Rail collision with person	Limited safety benefit
1	30	MTA New York City Transit	Rail collision with person	Limited safety benefit
2	2	MTA New York City Transit	Rail collision with person	Limited safety benefit
2	3	MTA New York City Transit	Rail collision with person	Limited safety benefit
2	6	MTA New York City Transit	Rail collision with person	Limited safety benefit
2	9	Los Angeles County Metropolitan Transportation Authority	Rail collision with person	Limited safety benefit
2	13	Dallas Area Rapid Transit	Rail collision with person	Limited safety benefit
2	13	MTA New York City Transit	Rail collision with person	Limited safety benefit
2	15	Los Angeles County Metropolitan Transportation Authority	Rail collision with person	Limited safety benefit
2	16	MTA New York City Transit	Rail collision with person	Limited safety benefit
2	18	MTA New York City Transit	Rail collision with person	Limited safety benefit

FTA – Transit Fatal (Not a Passenger, Customer, Employee)

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
2	21	MTA New York City Transit	Rail collision with person	Limited safety benefit
2	21	MTA New York City Transit	Rail collision with person	Limited safety benefit
2	23	MTA New York City Transit	Rail collision with person	Limited safety benefit
2	24	MTA New York City Transit	Rail collision with person	Limited safety benefit
2	26	MTA New York City Transit	Rail collision with person	Limited safety benefit
2	28	MTA New York City Transit	Rail collision with person	Limited safety benefit
2	29	Los Angeles County Metropolitan Transportation Authority	Rail collision with nontransit motor vehicle (personally owned vehicle [POV])	Limited safety benefit
3	1	Southeastern Pennsylvania Transportation Authority	Rail collision with person	Limited safety benefit
3	3	MTA New York City Transit	Rail collision with person	Limited safety benefit
3	7	MTA New York City Transit	Rail collision with person	Limited safety benefit
3	7	MTA New York City Transit	Rail collision with person	Limited safety benefit
3	7	MTA New York City Transit	Rail collision with person	Limited safety benefit
3	9	MTA New York City Transit	Rail collision with person	Limited safety benefit
3	11	MTA New York City Transit	Rail collision with person	Limited safety benefit

FTA – Transit Fatal (Not a Passenger, Customer, Employee)

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
3	12	MTA New York City Transit	Rail collision with person	Limited safety benefit
3	14	MTA New York City Transit	Rail collision with person	Limited safety benefit
3	29	MTA New York City Transit	Rail collision with person	Limited safety benefit
3	30	Metropolitan Atlanta Rapid Transit Authority	Rail collision with person	Limited safety benefit
3	31	MTA New York City Transit	Rail collision with person	Limited safety benefit
4	2	Los Angeles County Metropolitan Transportation Authority	Rail collision with person	Limited safety benefit
4	9	Chicago Transit Authority	Rail collision with person	Limited safety benefit
4	10	MTA New York City Transit	Rail collision with person	Limited safety benefit
4	15	Washington Metropolitan Area Transit Authority	Rail collision with person	Limited safety benefit
4	28	MTA New York City Transit	Rail collision with person	Limited safety benefit
4	30	MTA New York City Transit	Rail collision with person	Limited safety benefit
5	1	Utah Transit Authority	Rail collision with person	Limited safety benefit
5	8	Maryland Transit Administration	Rail collision with person	Limited safety benefit
5	10	MTA New York City Transit	Rail collision with person	Limited safety benefit

FTA – Transit Fatal (Not a Passenger, Customer, Employee)

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
5	11	Metropolitan Transit Authority of Harris County, Texas	Rail collision with person	Limited safety benefit
5	13	MTA New York City Transit	Rail collision with person	Limited safety benefit
5	14	MTA New York City Transit	Rail collision with person	Limited safety benefit
5	17	Dallas Area Rapid Transit	Rail collision with person	Limited safety benefit
5	20	MTA New York City Transit	Rail collision with person	Limited safety benefit
5	25	MTA New York City Transit	Rail collision with person	Limited safety benefit
5	26	MTA New York City Transit	Rail collision with person	Limited safety benefit
5	29	MTA New York City Transit	Rail collision with person	Limited safety benefit
6	22	MTA New York City Transit	Rail collision with person	Limited safety benefit
6	27	San Diego Metropolitan Transit System	Rail collision with person	Limited safety benefit
6	28	Chicago Transit Authority	Rail collision with person	Limited safety benefit
6	29	Washington Metropolitan Area Transit Authority	Rail collision with person	Limited safety benefit
7	12	MTA New York City Transit	Rail collision with person	Limited safety benefit
7	16	MTA New York City Transit	Rail collision with person	Limited safety benefit
7	16	MTA New York City Transit	Rail collision with person	Limited safety benefit

FTA – Transit Fatal (Not a Passenger, Customer, Employee)

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
7	16	Chicago Transit Authority	Rail collision with person	Limited safety benefit
7	18	MTA New York City Transit	Rail collision with person	Limited safety benefit
7	19	MTA New York City Transit	Rail collision with person	Limited safety benefit
7	19	MTA New York City Transit	Rail collision with person	Limited safety benefit
7	19	MTA New York City Transit	Rail collision with person	Limited safety benefit
7	28	MTA New York City Transit	Rail collision with person	Limited safety benefit
8	1	MTA New York City Transit	Rail collision with person	Limited safety benefit
8	2	MTA New York City Transit	Rail collision with person	Limited safety benefit
8	3	MTA New York City Transit	Rail collision with person	Limited safety benefit
8	4	MTA New York City Transit	Rail collision with person	Limited safety benefit
8	4	MTA New York City Transit	Rail collision with person	Limited safety benefit
8	14	City and County of San Francisco		Limited safety benefit
8	19	MTA New York City Transit	Rail collision with person	Limited safety benefit
9	5	MTA New York City Transit	Rail collision with person	Limited safety benefit
9	6	MTA New York City Transit	Rail collision with person	Limited safety benefit

FTA – Transit Fatal (Not a Passenger, Customer, Employee)

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
9	7	MTA New York City Transit	Rail collision with person	Limited safety benefit
9	8	MTA New York City Transit	Rail collision with person	Limited safety benefit
9	21	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
9	29	Los Angeles County Metropolitan Transportation Authority	Rail collision with person	Limited safety benefit
9	30	County of Miami-Dade	Rail collision with person	Limited safety benefit
10	1	Los Angeles County Metropolitan Transportation Authority	Rail collision with person	Limited safety benefit
10	3	MTA New York City Transit	Rail collision with person	Limited safety benefit
10	8	Metropolitan Atlanta Rapid Transit Authority	Rail collision with person	Limited safety benefit
10	10	MTA New York City Transit	Rail collision with person	Limited safety benefit
10	10	MTA New York City Transit	Rail collision with person	Limited safety benefit
10	12	Metropolitan Transit Authority of Harris County, Texas	Rail collision with person	Limited safety benefit
10	16	Utah Transit Authority	Rail collision with person	Limited safety benefit
10	17	MTA New York City Transit	Rail collision with person	Limited safety benefit
10	19	Tri-County Metropolitan Transportation District of Oregon	Rail collision with person	Limited safety benefit

FTA – Transit Fatal (Not a Passenger, Customer, Employee)

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
10	24	MTA New York City Transit	Rail collision with person	Limited safety benefit
10	28	MTA New York City Transit	Rail collision with person	Limited safety benefit
11	1	MTA New York City Transit	Rail collision with person	Limited safety benefit
11	4	Tri-County Metropolitan Transportation District of Oregon	Rail collision with person	Limited safety benefit
11	4	MTA New York City Transit	Rail collision with person	Limited safety benefit
11	6	MTA New York City Transit	Rail collision with person	Limited safety benefit
11	7	San Francisco Bay Area Rapid Transit District	Rail collision with person	Limited safety benefit
11	11	MTA New York City Transit	Rail collision with person	Limited safety benefit
11	13	MTA New York City Transit	Rail collision with person	Limited safety benefit
11	21	Utah Transit Authority	Rail collision with person	Limited resources
11	24	New Jersey Transit Corporation	Rail collision with person	Limited safety benefit
11	24	MTA New York City Transit	Rail collision with person	Limited safety benefit
11	25	MTA New York City Transit	Rail collision with person	Limited safety benefit
11	30	San Francisco Bay Area Rapid Transit District	Rail collision with person	Limited safety benefit
12	3	Utah Transit Authority	Rail collision with person	Limited safety benefit

FTA – Transit Fatal (Not a Passenger, Customer, Employee)

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
12	4	MTA New York City Transit	Rail collision with person	Limited safety benefit
12	8	Dallas Area Rapid Transit	Rail collision with person	Limited safety benefit
12	11	MTA New York City Transit	Rail collision with person	Limited safety benefit
12	12	MTA New York City Transit	Rail collision with person	Limited safety benefit
12	13	MTA New York City Transit	Rail collision with person	Limited safety benefit
12	15	MTA New York City Transit	Rail collision with person	Limited safety benefit
12	16	MTA New York City Transit	Rail collision with person	Limited safety benefit
12	20	MTA New York City Transit	Rail collision with person	Limited safety benefit
12	23	MTA New York City Transit	Rail collision with person	Limited safety benefit
12	24	MTA New York City Transit	Rail collision with person	Limited safety benefit
12	26	MTA New York City Transit	Rail collision with person	Limited safety benefit
12	27	Los Angeles County Metropolitan Transportation Authority	Rail collision with person	Limited safety benefit
12	31	MTA New York City Transit	Rail collision with person	Limited safety benefit
12	31	MTA New York City Transit	Rail collision with person	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
1	1	MTA New York City Transit	Rail collision with person	Limited safety benefit
1	1	MTA New York City Transit	Rail collision with person	Limited safety benefit
1	2	Los Angeles County Metropolitan Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
1	2	Denver Regional Transportation District	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
1	2	Los Angeles County Metropolitan Transportation Authority	Rail collision with person	Limited safety benefit
1	3	M-1 Rail	Main line derailment	Limited safety benefit
1	3	San Diego Metropolitan Transit System	Main line derailment	Limited safety benefit
1	3	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
1	3	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
1	3	Southeastern Pennsylvania Transportation Authority	Rail collision with person	Limited safety benefit
1	4	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
1	4	Los Angeles County Metropolitan Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
1	4	San Francisco Bay Area Rapid Transit District	Rail collision with other	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
1	4	MTA New York City Transit	Rail collision with person	Limited safety benefit
1	5	San Diego Metropolitan Transit System	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
1	5	MTA New York City Transit	Rail collision with person	Limited safety benefit
1	6	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
1	6	Southeastern Pennsylvania Transportation Authority	Rail collision with person	Limited safety benefit
1	6	Central Puget Sound Regional Transit Authority	Rail collision with person	Limited safety benefit
1	7	New Jersey Transit Corporation	Main line derailment	Limited safety benefit
1	7	Santa Clara Valley Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
1	7	Washington Metropolitan Area Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
1	7	MTA New York City Transit	Rail collision with person	Limited safety benefit
1	8	Port Authority Transit Corporation	Main line derailment	Limited safety benefit
1	8	Santa Clara Valley Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
1	8	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
1	8	Denver Regional Transportation District	Rail collision with person	Limited safety benefit
1	8	MTA New York City Transit	Rail collision with person	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
1	9	Santa Clara Valley Transportation Authority	Rail collision with fixed object	Limited safety benefit
1	9	Maryland Transit Administration	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
1	9	Tri-County Metropolitan Transportation District of Oregon	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
1	9	Los Angeles County Metropolitan Transportation Authority	Rail collision with other	Limited safety benefit
1	9	Southeastern Pennsylvania Transportation Authority	Rail collision with person	Limited safety benefit
1	10	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
1	10	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
1	11	MTA New York City Transit	Main line derailment	Limited safety benefit
1	11	Utah Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
1	11	Tri-County Metropolitan Transportation District of Oregon	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
1	11	Los Angeles County Metropolitan Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
1	11	Washington Metropolitan Area Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
1	11	MTA New York City Transit	Rail collision with person	Limited safety benefit
1	12	City and County of San Francisco	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
1	12	Utah Transit Authority	Rail collision with person	Limited safety benefit
1	12	Chicago Transit Authority	Rail collision with person	Limited safety benefit
1	13	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
1	13	Los Angeles County Metropolitan Transportation Authority	Rail collision with person	Limited safety benefit
1	13	Denver Regional Transportation District	Rail collision with person	Limited safety benefit
1	14	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
1	14	Bi-State Development Agency of the Missouri-Illinois Metropolitan District	Rail collision with person	Limited safety benefit
1	15	Utah Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
1	15	Southeastern Pennsylvania Transportation Authority	Rail collision with person	Limited safety benefit
1	16	San Francisco Bay Area Rapid Transit District	Main line derailment	Limited safety benefit
1	16	MTA New York City Transit	Rail collision with person	Limited safety benefit
1	17	Utah Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
1	18	Utah Transit Authority	Main line derailment	Limited safety benefit
1	18	Hillsborough Area Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
1	18	Southeastern Pennsylvania Transportation Authority	Rail Collision with Rail Transit Vehicle/Rail Passenger Train - Revenue Service	Limited safety benefit
1	19	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
1	19	MTA New York City Transit	Rail collision with person	Limited safety benefit
1	20	Los Angeles County Metropolitan Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
1	20	Tri-County Metropolitan Transportation District of Oregon	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
1	20	Denver Regional Transportation District	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
1	20	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
1	20	Valley Metro Rail, Inc.	Rail collision with person	Limited safety benefit
1	21	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
1	21	Tri-County Metropolitan Transportation District of Oregon	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
1	21	MTA New York City Transit	Rail collision with person	Limited safety benefit
1	21	Central Puget Sound Regional Transit Authority	Rail Collision with Rail Transit Vehicle/Rail Passenger Train - Not in Revenue Service	Limited safety benefit
1	22	Central Puget Sound Regional Transit Authority	Rail collision with person	Limited safety benefit
1	23	Santa Clara Valley Transportation Authority	Rail collision with fixed object	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
1	23	Los Angeles County Metropolitan Transportation Authority	Rail collision with person	Limited safety benefit
1	23	Southeastern Pennsylvania Transportation Authority	Rail collision with person	Limited safety benefit
1	23	Port Authority Transit Corporation	Rail collision with rail transit vehicle-rail transit maintenance or service vehicle on the rail fixed guideway	Limited safety benefit
1	24	Tri-County Metropolitan Transportation District of Oregon	Main line derailment	Limited safety benefit
1	24	Southeastern Pennsylvania Transportation Authority	Main line derailment	Limited safety benefit
1	24	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
1	24	Los Angeles County Metropolitan Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
1	25	Utah Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
1	25	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
1	26	Chicago Transit Authority	Main line derailment	Limited safety benefit
1	26	Massachusetts Bay Transportation Authority	Main line derailment	Limited safety benefit
1	26	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
1	26	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
1	26	Metropolitan Transit Authority of Harris County, Texas	Rail collision with person	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
1	27	San Francisco Bay Area Rapid Transit District	Main line derailment	Limited safety benefit
1	27	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
1	27	The Greater Cleveland Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
1	27	MTA New York City Transit	Rail collision with person	Limited safety benefit
1	27	Massachusetts Bay Transportation Authority	Rail collision with person	Limited safety benefit
1	29	Central Puget Sound Regional Transit Authority	Rail collision with person	Limited safety benefit
1	30	Utah Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
1	30	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
1	30	MTA New York City Transit	Rail collision with person	Limited safety benefit
1	31	Dallas Area Rapid Transit	Main line derailment	Limited safety benefit
1	31	New Orleans Regional Transit Authority	Main line derailment	Limited safety benefit
1	31	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
1	31	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
1	31	Massachusetts Bay Transportation Authority	Rail collision with person	Limited safety benefit
2	1	Massachusetts Bay Transportation Authority	Main line derailment	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
2	1	City and County of San Francisco	Main line derailment	Limited safety benefit
2	1	Southeastern Pennsylvania Transportation Authority	Main line derailment	Limited safety benefit
2	2	City of Charlotte North Carolina	Main line derailment	Limited safety benefit
2	3	MTA New York City Transit	Rail collision with person	Limited safety benefit
2	4	Southeastern Pennsylvania Transportation Authority	Main line derailment	Limited safety benefit
2	4	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
2	4	City of Memphis	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
2	5	New Orleans Regional Transit Authority	Main line derailment	Limited safety benefit
2	5	City and County of San Francisco	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
2	5	Los Angeles County Metropolitan Transportation Authority	Rail collision with person	Limited safety benefit
2	6	Utah Transit Authority	Main line derailment	Limited safety benefit
2	6	City of Memphis	Main line derailment	Limited safety benefit
2	6	Metropolitan Transit Authority of Harris County, Texas	Rail collision with person	Limited safety benefit
2	6	City and County of San Francisco	Rail collision with person	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
2	7	City of Tucson	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
2	7	Metropolitan Transit Authority of Harris County, Texas	Rail collision with person	Limited safety benefit
2	8	New Orleans Regional Transit Authority	Main line derailment	Limited safety benefit
2	8	Pittsburgh Regional Transit	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
2	8	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
2	8	Central Oklahoma Transportation and Parking Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
2	8	MTA New York City Transit	Rail collision with person	Limited safety benefit
2	9	New Jersey Transit Corporation	Rail collision with fixed object	Limited safety benefit
2	9	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
2	10	Dallas Area Rapid Transit	Main line derailment	Limited safety benefit
2	10	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
2	10	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
2	10	Dallas Area Rapid Transit	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
2	10	Tri-County Metropolitan Transportation District of Oregon	Rail collision with person	Limited safety benefit
2	10	MTA New York City Transit	Rail collision with person	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
2	11	City of Portland	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
2	11	Santa Clara Valley Transportation Authority	Rail collision with person	Limited safety benefit
2	11	MTA New York City Transit	Rail collision with person	Limited safety benefit
2	12	Sacramento Regional Transit District	Main line derailment	Limited safety benefit
2	12	Metro Transit	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
2	12	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
2	12	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
2	12	MTA New York City Transit	Rail collision with person	Limited safety benefit
2	13	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
2	13	San Diego Metropolitan Transit System	Rail collision with person	Limited safety benefit
2	13	New Orleans Regional Transit Authority	Rail Collision with Rail Transit Vehicle/Rail Passenger Train - Revenue Service	Limited safety benefit
2	14	Metropolitan Transit Authority of Harris County, Texas	Rail collision with person	Limited safety benefit
2	15	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
2	15	Metro Transit	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
2	15	Dallas Area Rapid Transit	Rail collision with person	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
2	16	DDOT - Progressive Transportation Services Administration	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
2	16	Los Angeles County Metropolitan Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
2	17	City of Portland	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
2	17	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
2	19	MTA New York City Transit	Rail collision with person	Limited safety benefit
2	20	Denver Regional Transportation District	Rail collision with person	Limited safety benefit
2	20	Los Angeles County Metropolitan Transportation Authority	Rail collision with person	Limited safety benefit
2	21	Southeastern Pennsylvania Transportation Authority	Main line derailment	Limited safety benefit
2	21	Central Oklahoma Transportation and Parking Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
2	21	Utah Transit Authority	Rail Collision with nonrail Transit Vehicle (Transit-owned and -operated vehicle that is not being used on the rail fixed guideway)	Limited safety benefit
2	21	Metropolitan Transit Authority of Harris County, Texas	Rail collision with person	Limited safety benefit
2	21	MTA New York City Transit	Rail collision with person	Limited safety benefit
2	22	Utah Transit Authority	Main line derailment	Limited safety benefit
2	22	Tri-County Metropolitan Transportation District of Oregon	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
2	22	Southeastern Pennsylvania Transportation Authority	Rail collision with person	Limited safety benefit
2	23	Tri-County Metropolitan Transportation District of Oregon	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
2	23	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
2	23	Metropolitan Transit Authority of Harris County, Texas	Rail collision with person	Limited safety benefit
2	23	Central Puget Sound Regional Transit Authority	Rail collision with person	Limited safety benefit
2	23	MTA New York City Transit	Rail collision with person	Limited safety benefit
2	24	Massachusetts Bay Transportation Authority	Main line derailment	Limited safety benefit
2	24	Dallas Area Rapid Transit	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
2	24	Dallas Area Rapid Transit	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
2	24	Metro Transit	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
2	24	Los Angeles County Metropolitan Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
2	25	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
2	25	MTA New York City Transit	Rail collision with person	Limited safety benefit
2	25	Massachusetts Bay Transportation Authority	Rail collision with person	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
2	25	MTA New York City Transit	Rail collision with person	Limited safety benefit
2	26	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
2	26	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
2	26	Southeastern Pennsylvania Transportation Authority	Rail Collision with Rail Transit Vehicle/Rail Passenger Train - Not in Revenue Service	Limited safety benefit
2	27	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
2	27	Tri-County Metropolitan Transportation District of Oregon	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
2	27	MTA New York City Transit	Rail collision with person	Limited safety benefit
2	27	MTA New York City Transit	Rail collision with person	Limited safety benefit
2	27	Southeastern Pennsylvania Transportation Authority	Rail collision with person	Limited safety benefit
2	27	MTA New York City Transit	Rail collision with person	Limited safety benefit
2	28	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
2	28	City of Portland	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
2	28	Maryland Transit Administration	Rail collision with person	Limited safety benefit
3	1	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
3	1	New Jersey Transit Corporation	Rail collision with person	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
3	1	MTA New York City Transit	Rail collision with person	Limited safety benefit
3	2	Denver Regional Transportation District	Main line derailment	Limited safety benefit
3	2	Pittsburgh Regional Transit	Main line derailment	Limited safety benefit
3	2	King County Department of Metro Transit	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
3	3	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
3	3	Los Angeles County Metropolitan Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
3	4	Tri-County Metropolitan Transportation District of Oregon	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
3	4	Tri-County Metropolitan Transportation District of Oregon	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
3	4	Tri-County Metropolitan Transportation District of Oregon	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
3	4	MTA New York City Transit	Rail collision with person	Limited safety benefit
3	5	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
3	5	Southeastern Pennsylvania Transportation Authority	Rail collision with person	Limited safety benefit
3	5	MTA New York City Transit	Rail collision with person	Limited safety benefit
3	5	City and County of San Francisco	Rail collision with person	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
3	5	New Orleans Regional Transit Authority	Rail collision with person	Limited safety benefit
3	6	New Jersey Transit Corporation	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
3	6	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
3	6	Metro Transit	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
3	7	San Francisco Bay Area Rapid Transit District	Main line derailment	Limited safety benefit
3	7	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
3	7	New Jersey Transit Corporation	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
3	8	Niagara Frontier Transportation Authority	Main line derailment	Limited safety benefit
3	8	Sacramento Regional Transit District	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
3	9	Southeastern Pennsylvania Transportation Authority	Main line derailment	Limited safety benefit
3	9	MTA New York City Transit	Rail collision with person	Limited safety benefit
3	10	MTA New York City Transit	Rail collision with person	Limited safety benefit
3	11	Metropolitan Atlanta Rapid Transit Authority	Main line derailment	Limited safety benefit
3	11	Denver Regional Transportation District	Rail collision with fixed object	Limited safety benefit
3	11	Central Puget Sound Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
3	11	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
3	11	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
3	11	MTA New York City Transit	Rail collision with person	Limited safety benefit
3	12	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
3	12	Hillsborough Area Regional Transit Authority	Rail collision with person	Limited safety benefit
3	14	San Francisco Bay Area Rapid Transit District	Rail collision with fixed object	Limited safety benefit
3	14	San Francisco Bay Area Rapid Transit District	Rail collision with fixed object	Limited safety benefit
3	14	MTA New York City Transit	Rail collision with person	Limited safety benefit
3	14	MTA New York City Transit	Rail collision with person	Limited safety benefit
3	15	MTA New York City Transit	Rail collision with person	Limited safety benefit
3	15	Southeastern Pennsylvania Transportation Authority	Rail collision with person	Limited safety benefit
3	16	New Orleans Regional Transit Authority	Main line derailment	Limited safety benefit
3	16	San Francisco Bay Area Rapid Transit District	Main line derailment	Limited safety benefit
3	16	New Orleans Regional Transit Authority	Main line derailment	Limited safety benefit
3	16	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
3	17	Metro Transit	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
3	17	Hillsborough Area Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
3	18	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
3	18	Massachusetts Bay Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
3	18	Santa Clara Valley Transportation Authority	Rail collision with person	Limited safety benefit
3	19	City of Portland	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
3	19	MTA New York City Transit	Rail collision with person	Limited safety benefit
3	19	Metro Transit	Rail collision with person	Limited safety benefit
3	19	Metro Transit	Rail collision with person	Limited safety benefit
3	20	New Orleans Regional Transit Authority	Main line derailment	Limited safety benefit
3	20	Dallas Area Rapid Transit	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
3	20	San Diego Metropolitan Transit System	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
3	20	Metro Transit	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
3	20	MTA New York City Transit	Rail collision with person	Limited safety benefit
3	20	Massachusetts Bay Transportation Authority	Rail collision with person	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
3	20	Central Puget Sound Regional Transit Authority	Rail collision with person	Limited safety benefit
3	21	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
3	21	Massachusetts Bay Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
3	21	Dallas Area Rapid Transit	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
3	21	Dallas Area Rapid Transit	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
3	21	North County Transit District	Rail collision with person	Limited safety benefit
3	22	City of Portland	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
3	22	Tri-County Metropolitan Transportation District of Oregon	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
3	23	Sacramento Regional Transit District	Main line derailment	Limited safety benefit
3	23	Maryland Transit Administration	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
3	23	Los Angeles County Metropolitan Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
3	24	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
3	24	Southeastern Pennsylvania Transportation Authority	Rail Collision with Rail Transit Vehicle/Rail Passenger Train - Revenue Service	Limited safety benefit
3	25	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
3	26	City and County of San Francisco	Main line derailment	Limited safety benefit
3	26	Central Puget Sound Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
3	27	City of Milwaukee	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
3	27	MTA New York City Transit	Rail collision with person	Limited safety benefit
3	27	MTA New York City Transit	Rail collision with person	Limited safety benefit
3	28	Utah Transit Authority	Main line derailment	Limited safety benefit
3	29	MTA New York City Transit	Main line derailment	Limited safety benefit
3	29	San Diego Metropolitan Transit System	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
3	29	Tri-County Metropolitan Transportation District of Oregon	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
3	29	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
3	29	Central Puget Sound Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
3	29	Santa Clara Valley Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
3	29	Metropolitan Transit Authority of Harris County, Texas	Rail collision with person	Limited safety benefit
3	29	MTA New York City Transit	Rail collision with person	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
3	29	Bi-State Development Agency of the Missouri-Illinois Metropolitan District	Rail Collision with Rail Transit Vehicle-Rail Transit Maintenance or Service Vehicle on the Rail Fixed Guideway	Limited safety benefit
3	30	McKinney Avenue Transit Authority	Main line derailment	Limited safety benefit
3	30	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
3	30	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
3	30	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
3	30	Central Oklahoma Transportation and Parking Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
3	30	City of Cincinnati	Rail collision with person	Limited safety benefit
3	30	MTA New York City Transit	Rail collision with person	Limited safety benefit
3	31	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	1	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	1	New Jersey Transit Corporation	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	1	MTA New York City Transit	Rail collision with person	Limited safety benefit
4	1	Metro Transit	Rail collision with person	Limited safety benefit
4	2	Los Angeles County Metropolitan Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
4	2	Metropolitan Transit Authority of Harris County, Texas	Rail collision with person	Limited safety benefit
4	3	Los Angeles County Metropolitan Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	3	Metro Transit	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	3	Utah Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	5	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	5	City of Portland	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	5	MTA New York City Transit	Rail collision with person	Limited safety benefit
4	6	Denver Regional Transportation District	Main line derailment	Limited safety benefit
4	6	Utah Transit Authority	Main line derailment	Limited safety benefit
4	6	New Jersey Transit Corporation	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	6	Denver Regional Transportation District	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	6	DDOT - Progressive Transportation Services Administration	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	6	Metro Transit	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	6	Maryland Transit Administration	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
4	6	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	7	Central Puget Sound Regional Transit Authority	Rail collision with person	Limited safety benefit
4	8	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	9	DDOT - Progressive Transportation Services Administration	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	9	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	9	MTA New York City Transit	Rail collision with person	Limited safety benefit
4	10	Massachusetts Bay Transportation Authority	Main line derailment	Limited safety benefit
4	11	Massachusetts Bay Transportation Authority	Main line derailment	Limited safety benefit
4	11	Washington Metropolitan Area Transit Authority	Main line derailment	Limited safety benefit
4	11	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	11	Tri-County Metropolitan Transportation District of Oregon	Rail collision with person	Limited safety benefit
4	11	Southeastern Pennsylvania Transportation Authority	Rail collision with person	Limited safety benefit
4	12	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	12	Utah Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
4	12	Central Puget Sound Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	12	City of Charlotte North Carolina	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	12	MTA New York City Transit	Rail collision with person	Limited safety benefit
4	13	Sacramento Regional Transit District	Rail collision with fixed object	Limited safety benefit
4	13	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	13	Los Angeles County Metropolitan Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	13	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	14	City of Portland	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	14	MTA New York City Transit	Rail collision with person	Limited safety benefit
4	14	Port Authority Transit Corporation	Rail collision with person	Limited safety benefit
4	14	MTA New York City Transit	Rail collision with person	Limited safety benefit
4	15	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	15	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	15	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
4	15	Bi-State Development Agency of the Missouri-Illinois Metropolitan District	Rail collision with other	Limited safety benefit
4	16	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	16	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	17	New Jersey Transit Corporation	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	17	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	17	Sacramento Regional Transit District	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	17	MTA New York City Transit	Rail collision with person	Limited safety benefit
4	18	Tri-County Metropolitan Transportation District of Oregon	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	18	Denver Regional Transportation District	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	18	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	18	Los Angeles County Metropolitan Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	18	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	18	MTA New York City Transit	Rail collision with person	Limited safety benefit
4	18	MTA New York City Transit	Rail collision with person	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
4	19	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	19	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	19	City and County of San Francisco	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	19	Dallas Area Rapid Transit	Rail collision with person	Limited safety benefit
4	20	King County Department of Metro Transit	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	20	New Jersey Transit Corporation	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	20	City and County of San Francisco	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	20	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	21	Utah Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	21	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	22	County of Miami-Dade	Main line derailment	Limited safety benefit
4	22	Metropolitan Atlanta Rapid Transit Authority	Rail collision with fixed object	Limited safety benefit
4	25	City and County of San Francisco	Main line derailment	Limited safety benefit
4	25	The Greater Cleveland Regional Transit Authority	Main line derailment	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
4	25	Los Angeles County Metropolitan Transportation Authority	Rail Collision with nonrail Transit Vehicle (Transit-owned and -operated vehicle that is not being used on the rail fixed guideway)	Limited safety benefit
4	25	MTA New York City Transit	Rail collision with person	Limited safety benefit
4	26	City of Portland	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	26	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	26	MTA New York City Transit	Rail collision with person	Limited safety benefit
4	26	Maryland Transit Administration	Rail collision with person	Limited safety benefit
4	26	MTA New York City Transit	Rail collision with person	Limited safety benefit
4	27	Dallas Area Rapid Transit	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	27	Maryland Transit Administration	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	27	Santa Clara Valley Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	28	Santa Clara Valley Transportation Authority	Rail collision with person	Limited safety benefit
4	29	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	29	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
4	29	MTA New York City Transit	Rail collision with person	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
4	29	City and County of San Francisco	Rail Collision with Rail Transit Vehicle/Rail Passenger Train - Not in Revenue Service	Limited safety benefit
4	30	MTA New York City Transit	Rail collision with person	Limited safety benefit
5	1	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
5	1	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
5	1	Dallas Area Rapid Transit	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
5	1	Washington Metropolitan Area Transit Authority	Rail collision with person	Limited safety benefit
5	1	Metropolitan Transit Authority of Harris County, Texas	Rail collision with person	Limited safety benefit
5	1	MTA New York City Transit	Rail collision with person	Limited safety benefit
5	2	San Diego Metropolitan Transit System	Rail collision with person	Limited safety benefit
5	3	Tri-County Metropolitan Transportation District of Oregon	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
5	3	MTA New York City Transit	Rail collision with person	Limited safety benefit
5	3	San Francisco Bay Area Rapid Transit District	Rail Collision with Rail Transit Vehicle-Rail Transit Maintenance or Service Vehicle on the Rail Fixed Guideway	Limited safety benefit
5	4	Utah Transit Authority	Rail collision with person	Limited safety benefit
5	5	Central Oklahoma Transportation and Parking Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
5	5	City of Portland	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
5	5	Denver Regional Transportation District	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
5	5	MTA New York City Transit	Rail collision with person	Limited safety benefit
5	5	MTA New York City Transit	Rail collision with person	Limited safety benefit
5	5	MTA New York City Transit	Rail collision with person	Limited safety benefit
5	6	McKinney Avenue Transit Authority	Main line derailment	Limited safety benefit
5	6	MTA New York City Transit	Rail collision with person	Limited safety benefit
5	7	City of Portland	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
5	7	Kansas City, City of Missouri	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
5	7	MTA New York City Transit	Rail collision with person	Limited safety benefit
5	8	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
5	8	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
5	8	Santa Clara Valley Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
5	8	City and County of San Francisco	Rail Collision with nonrail Transit Vehicle (Transit-owned and -operated vehicle that is not being used on the Rail Fixed Guideway)	Limited safety benefit
5	8	City and County of San Francisco	Rail collision with person	Limited safety benefit
5	9	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
5	9	Utah Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
5	10	City of Charlotte North Carolina	Main line derailment	Limited safety benefit
5	10	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
5	10	Massachusetts Bay Transportation Authority	Rail collision with person	Limited safety benefit
5	11	Pittsburgh Regional Transit	Main line derailment	Limited safety benefit
5	11	Metro Transit	Rail collision with person	Limited safety benefit
5	12	Tri-County Metropolitan Transportation District of Oregon	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
5	12	Santa Clara Valley Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
5	12	Sacramento Regional Transit District	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
5	12	Central Puget Sound Regional Transit Authority	Rail Collision with nonrail Transit Vehicle (Transit-owned and -operated vehicle that is not being used on the rail fixed guideway)	Limited safety benefit
5	12	Southeastern Pennsylvania Transportation Authority	Rail collision with person	Limited safety benefit
5	12	Washington Metropolitan Area Transit Authority	Rail collision with person	Limited safety benefit
5	12	MTA New York City Transit	Rail collision with person	Limited safety benefit
5	13	Southeastern Pennsylvania Transportation Authority	Rail Collision with Rail Transit Vehicle/Rail Passenger Train - Revenue Service	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
5	14	Los Angeles County Metropolitan Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
5	14	Utah Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
5	14	Central Oklahoma Transportation and Parking Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
5	14	Metro Transit	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
5	15	Southeastern Pennsylvania Transportation Authority	Main line derailment	Limited safety benefit
5	15	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
5	15	San Francisco Bay Area Rapid Transit District	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
5	15	Sacramento Regional Transit District	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
5	15	MTA New York City Transit	Rail collision with person	Limited safety benefit
5	16	Tri-County Metropolitan Transportation District of Oregon	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
5	16	City of Memphis	Rail Collision with nonrail Transit Vehicle (Transit-owned and -operated vehicle that is not being used on the rail fixed guideway)	Limited safety benefit
5	16	Chicago Transit Authority	Rail collision with person	Limited safety benefit
5	17	San Francisco Bay Area Rapid Transit District	Main line derailment	Limited safety benefit
5	17	Chicago Transit Authority	Main line derailment	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
5	17	Chicago Transit Authority	Rail collision with person	Limited safety benefit
5	18	San Francisco Bay Area Rapid Transit District	Main line derailment	Limited safety benefit
5	18	Massachusetts Bay Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
5	18	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
5	18	Metropolitan Transit Authority of Harris County, Texas	Rail collision with person	Limited safety benefit
5	18	Valley Metro Rail, Inc.	Rail collision with person	Limited safety benefit
5	19	Tri-County Metropolitan Transportation District of Oregon	Rail collision with person	Limited safety benefit
5	20	City and County of San Francisco	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
5	20	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
5	20	Santa Clara Valley Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
5	21	Tri-County Metropolitan Transportation District of Oregon	Rail Collision with nonrail Transit Vehicle (Transit-owned and -operated vehicle that is not being used on the rail fixed guideway)	Limited safety benefit
5	21	MTA New York City Transit	Rail collision with person	Limited safety benefit
5	22	Los Angeles County Metropolitan Transportation Authority	Rail collision with person	Limited safety benefit
5	23	Southeastern Pennsylvania Transportation Authority	Main line derailment	Limited safety benefit

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
5	23	City and County of San Francisco	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
5	24	Central Puget Sound Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
5	24	Santa Clara Valley Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
5	24	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
5	24	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
5	24	City and County of San Francisco	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
5	25	New Jersey Transit Corporation	Rail collision with fixed object	Limited safety benefit
5	25	Santa Clara Valley Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
5	25	City and County of San Francisco	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
5	25	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
5	27	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
5	27	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
5	27	County of Miami-Dade	Rail collision with person	Limited safety benefit
5	28	Chicago Transit Authority	Main line derailment	Limited safety benefit
5	28	Tri-County Metropolitan Transportation District of Oregon	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
5	29	New Orleans Regional Transit Authority	Main line derailment	Limited safety benefit
5	29	Utah Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
5	29	City and County of San Francisco	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
5	30	Pittsburgh Regional Transit	Main line derailment	Limited safety benefit
5	30	Massachusetts Bay Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
5	31	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
6	1	Denver Regional Transportation District	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
6	1	Santa Clara Valley Transportation Authority	Rail collision with other	Limited safety benefit
6	1	Dallas Area Rapid Transit	Rail collision with person	Limited safety benefit
6	1	MTA New York City Transit	Rail collision with person	Limited safety benefit
6	2	New Orleans Regional Transit Authority	Main line derailment	Limited safety benefit
6	2	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
6	3	City and County of San Francisco	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
6	3	City and County of San Francisco	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
6	3	San Diego Metropolitan Transit System	Rail collision with person	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
6	3	Dallas Area Rapid Transit	Rail collision with person	Limited safety benefit
6	4	New Orleans Regional Transit Authority	Main line derailment	Limited safety benefit
6	4	Washington Metropolitan Area Transit Authority	Main line derailment	Limited safety benefit
6	4	Maryland Transit Administration	Main line derailment	Limited safety benefit
6	4	City of Charlotte North Carolina	Rail collision with fixed object	Limited safety benefit
6	4	Los Angeles County Metropolitan Transportation Authority	Rail collision with person	Limited safety benefit
6	5	MTA New York City Transit	Rail collision with person	Limited safety benefit
6	5	Washington Metropolitan Area Transit Authority	Rail Collision with Rail Transit Vehicle-Rail Transit Maintenance or Service Vehicle on the Rail Fixed Guideway	Limited safety benefit
6	5	Southeastern Pennsylvania Transportation Authority	Rail Collision with Rail Transit Vehicle-Rail Transit Maintenance or Service Vehicle on the Rail Fixed Guideway	Limited safety benefit
6	6	City of Portland	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
6	6	MTA New York City Transit	Rail collision with person	Limited safety benefit
6	7	Massachusetts Bay Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
6	7	Maryland Transit Administration	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
6	7	Central Puget Sound Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit

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Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
6	7	Utah Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
6	8	Denver Regional Transportation District	Main line derailment	Limited safety benefit
6	9	Alternativa de Transporte Integrado - ATI	Main line derailment	Limited safety benefit
6	9	City and County of San Francisco	Main line derailment	Limited safety benefit
6	9	New Jersey Transit Corporation	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
6	9	Central Puget Sound Regional Transit Authority	Rail collision with person	Limited safety benefit
6	9	Southeastern Pennsylvania Transportation Authority	Rail collision with person	Limited safety benefit
6	9	Metropolitan Transit Authority of Harris County, Texas	Rail collision with person	Limited safety benefit
6	9	Southeastern Pennsylvania Transportation Authority	Rail Collision with Rail Transit Vehicle/Rail Passenger Train - Revenue Service	Limited safety benefit
6	10	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
6	10	Utah Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
6	10	MTA New York City Transit	Rail collision with person	Limited safety benefit
6	10	Sacramento Regional Transit District	Rail collision with person	Limited safety benefit
6	11	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
6	12	Massachusetts Bay Transportation Authority	Main line derailment	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
6	12	Sacramento Regional Transit District	Rail collision with fixed object	Limited safety benefit
6	12	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
6	12	San Diego Metropolitan Transit System	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
6	13	Metro Transit	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
6	13	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
6	13	Chicago Transit Authority	Rail collision with person	Limited safety benefit
6	14	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
6	14	Central Puget Sound Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
6	14	Utah Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
6	14	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
6	15	Tri-County Metropolitan Transportation District of Oregon	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
6	15	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
6	15	Metropolitan Transit Authority of Harris County, Texas	Rail collision with person	Limited safety benefit
6	15	MTA New York City Transit	Rail collision with person	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
6	15	Los Angeles County Metropolitan Transportation Authority	Rail collision with person	Limited safety benefit
6	16	San Francisco Bay Area Rapid Transit District	Main line derailment	Limited safety benefit
6	16	City and County of San Francisco	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
6	16	Bi-State Development Agency of the Missouri-Illinois Metropolitan District	Rail collision with person	Limited safety benefit
6	16	Southeastern Pennsylvania Transportation Authority	Rail collision with person	Limited safety benefit
6	16	MTA New York City Transit	Rail collision with person	Limited safety benefit
6	17	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
6	17	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
6	18	San Francisco Bay Area Rapid Transit District	Main line derailment	Limited safety benefit
6	18	New Jersey Transit Corporation	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
6	19	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
6	19	City of Portland	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
6	20	City and County of San Francisco	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
6	20	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
6	20	Utah Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
6	20	Los Angeles County Metropolitan Transportation Authority	Rail collision with person	Limited safety benefit
6	22	The Greater Cleveland Regional Transit Authority	Main line derailment	Limited safety benefit
6	22	Santa Clara Valley Transportation Authority	Rail collision with fixed object	Limited safety benefit
6	22	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
6	22	MTA New York City Transit	Rail collision with person	Limited safety benefit
6	22	MTA New York City Transit	Rail collision with person	Limited safety benefit
6	22	MTA New York City Transit	Rail collision with person	Limited safety benefit
6	23	Los Angeles County Metropolitan Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
6	23	Massachusetts Bay Transportation Authority	Rail collision with person	Limited safety benefit
6	24	Valley Metro Rail, Inc.	Main line derailment	Limited safety benefit
6	24	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
6	24	Dallas Area Rapid Transit	Rail collision with person	Limited safety benefit
6	25	MTA New York City Transit	Main line derailment	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
6	25	King County Department of Metro Transit	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
6	25	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
6	25	Santa Clara Valley Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
6	25	MTA New York City Transit	Rail collision with person	Limited safety benefit
6	25	MTA New York City Transit	Rail collision with person	Limited safety benefit
6	25	MTA New York City Transit	Rail collision with person	Limited safety benefit
6	26	Southeastern Pennsylvania Transportation Authority	Main line derailment	Limited safety benefit
6	26	Dallas Area Rapid Transit	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
6	26	Metro Transit	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
6	26	Dallas Area Rapid Transit	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
6	27	Denver Regional Transportation District	Rail collision with fixed object	Limited safety benefit
6	27	MTA New York City Transit	Rail collision with person	Limited safety benefit
6	27	MTA New York City Transit	Rail collision with person	Limited safety benefit
6	28	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
6	28	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit

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Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
6	28	Los Angeles County Metropolitan Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
6	28	MTA New York City Transit	Rail collision with person	Limited safety benefit
6	28	New Jersey Transit Corporation	Rail collision with person	Limited safety benefit
6	29	Santa Clara Valley Transportation Authority	Rail collision with person	Limited safety benefit
6	29	Washington Metropolitan Area Transit Authority	Rail collision with rail transit vehicle/rail passenger train - not in revenue service	Limited safety benefit
6	30	Santa Clara Valley Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
6	30	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
6	30	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
6	30	San Diego Metropolitan Transit System	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
6	30	San Diego Metropolitan Transit System	Rail collision with person	Limited safety benefit
7	1	Washington Metropolitan Area Transit Authority	Main line derailment	Limited safety benefit
7	1	Los Angeles County Metropolitan Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	1	Metro Transit	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	1	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
7	1	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	2	Santa Clara Valley Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	2	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	2	Santa Clara Valley Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	3	MTA New York City Transit	Rail collision with person	Limited safety benefit
7	5	New Jersey Transit Corporation	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	5	City of Portland	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	5	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	6	San Francisco Bay Area Rapid Transit District	Main line derailment	Limited safety benefit
7	6	MTA New York City Transit	Rail collision with person	Limited safety benefit
7	6	Valley Metro Rail, Inc.	Rail collision with rail transit vehicle/rail passenger train - not in revenue service	Limited safety benefit
7	7	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	7	MTA New York City Transit	Rail collision with person	Limited safety benefit
7	8	Maryland Transit Administration	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	9	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit

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Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
7	10	Central Puget Sound Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	10	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	10	New Jersey Transit Corporation	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	10	Massachusetts Bay Transportation Authority	Rail collision with person	Limited safety benefit
7	10	City and County of San Francisco	Rail collision with rail transit vehicle/rail passenger train - not in revenue service	Limited safety benefit
7	11	City of Portland	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	12	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	12	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	12	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	12	Southeastern Pennsylvania Transportation Authority	Rail collision with nonrail transit vehicle (transit-owned and -operated vehicle that is not being used on the rail fixed guideway)	Limited safety benefit
7	12	MTA New York City Transit	Rail collision with person	Limited safety benefit
7	12	MTA New York City Transit	Rail collision with person	Limited safety benefit
7	13	Dallas Area Rapid Transit	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	13	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	13	Southeastern Pennsylvania Transportation Authority	Rail collision with rail transit vehicle/rail passenger train - not in revenue service	Limited safety benefit

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Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
7	13	Southeastern Pennsylvania Transportation Authority	Rail collision with rail transit vehicle/rail passenger train - revenue service	Limited safety benefit
7	15	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	15	MTA New York City Transit	Rail collision with person	Limited safety benefit
7	16	Sacramento Regional Transit District	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	16	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	16	MTA New York City Transit	Rail collision with person	Limited safety benefit
7	17	Metropolitan Atlanta Rapid Transit Authority	Main line derailment	Limited safety benefit
7	17	Metro Transit	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	17	Metro Transit	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	18	Maryland Transit Administration	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	18	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	18	Metropolitan Transit Authority of Harris County, Texas	Rail collision with person	Limited safety benefit
7	18	MTA New York City Transit	Rail collision with person	Limited safety benefit
7	19	San Diego Metropolitan Transit System	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	19	Utah Transit Authority	Rail collision with person	Limited safety benefit

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Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
7	20	Staten Island Rapid Transit Operating Authority	Main line derailment	Limited safety benefit
7	20	Dallas Area Rapid Transit	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	20	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	20	San Diego Metropolitan Transit System	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	20	The Greater Cleveland Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	20	Bi-State Development Agency of the Missouri-Illinois Metropolitan District	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	20	Utah Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	21	San Francisco Bay Area Rapid Transit District	Main line derailment	Limited safety benefit
7	21	City of Portland	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	21	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	21	San Diego Metropolitan Transit System	Rail collision with person	Limited safety benefit
7	21	Utah Transit Authority	Rail collision with person	Limited safety benefit
7	21	Washington Metropolitan Area Transit Authority	Rail collision with rail transit vehicle-rail transit maintenance or service vehicle on the rail fixed guideway	Limited safety benefit
7	23	Sacramento Regional Transit District	Main line derailment	Limited safety benefit

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Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
7	23	Massachusetts Bay Transportation Authority	Main line derailment	Limited safety benefit
7	23	Los Angeles County Metropolitan Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	24	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	24	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	24	Southeastern Pennsylvania Transportation Authority	Rail collision with rail transit vehicle/rail passenger train - revenue service	Limited safety benefit
7	25	New Jersey Transit Corporation	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	25	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	25	Utah Transit Authority	Rail collision with person	Limited safety benefit
7	26	Santa Clara Valley Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	26	City of Charlotte North Carolina	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	26	New Jersey Transit Corporation	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	28	City of Charlotte North Carolina	Main line derailment	Limited safety benefit
7	28	Maryland Transit Administration	Rail collision with other	Limited safety benefit
7	29	MTA New York City Transit	Rail collision with person	Limited safety benefit

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Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
7	30	Sacramento Regional Transit District	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	30	Los Angeles County Metropolitan Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	31	City of Tucson	Main line derailment	Limited safety benefit
7	31	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	31	Tri-County Metropolitan Transportation District of Oregon	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	31	City of Portland	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	31	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	31	Santa Clara Valley Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	31	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
7	31	Central Puget Sound Regional Transit Authority	Rail collision with nonrail transit vehicle (transit-owned and -operated vehicle that is not being used on the rail fixed guideway)	Limited safety benefit
7	31	Dallas Area Rapid Transit	Rail collision with rail transit vehicle/rail passenger train - not in revenue service	Limited safety benefit
8	1	Massachusetts Bay Transportation Authority	Main line derailment	Limited safety benefit
8	1	Pittsburgh Regional Transit	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
8	1	City of Cincinnati	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit

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Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
8	1	Sacramento Regional Transit District	Rail collision with person	Limited safety benefit
8	1	MTA New York City Transit	Rail collision with person	Limited safety benefit
8	2	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
8	3	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
8	3	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
8	4	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
8	4	Utah Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
8	4	Maryland Transit Administration	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
8	4	Massachusetts Bay Transportation Authority	Rail collision with person	Limited safety benefit
8	4	MTA New York City Transit	Rail collision with person	Limited safety benefit
8	5	Kansas City, City of Missouri	Main line derailment	Limited safety benefit
8	5	Loop Trolley Transportation Development District	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
8	5	Massachusetts Bay Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
8	5	Chicago Transit Authority	Rail collision with person	Limited safety benefit
8	6	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit

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Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
8	6	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
8	6	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
8	6	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
8	6	Maryland Transit Administration	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
8	7	Maryland Transit Administration	Main line derailment	Limited safety benefit
8	7	San Diego Metropolitan Transit System	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
8	7	New Jersey Transit Corporation	Rail collision with other	Limited safety benefit
8	8	Tri-County Metropolitan Transportation District of Oregon	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
8	8	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
8	8	Tri-County Metropolitan Transportation District of Oregon	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
8	9	County of Miami-Dade	Main line derailment	Limited safety benefit
8	9	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
8	9	MTA New York City Transit	Rail collision with person	Limited safety benefit
8	9	MTA New York City Transit	Rail collision with person	Limited safety benefit
8	10	City and County of San Francisco	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
8	10	City of Milwaukee	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
8	11	Washington Metropolitan Area Transit Authority	Main line derailment	Limited safety benefit
8	11	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
8	11	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
8	11	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
8	12	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
8	12	Metropolitan Atlanta Rapid Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
8	12	Central Puget Sound Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
8	12	Central Puget Sound Regional Transit Authority	Rail collision with person	Limited safety benefit
8	12	County of Miami-Dade	Rail collision with person	Limited safety benefit
8	14	City of Tucson	Main line derailment	Limited safety benefit
8	14	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
8	14	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
8	14	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
8	15	Metro Transit	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit

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Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
8	15	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
8	17	The Greater Cleveland Regional Transit Authority	Main line derailment	Limited safety benefit
8	17	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
8	17	Dallas Area Rapid Transit	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
8	18	Hillsborough Area Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
8	18	Tri-County Metropolitan Transportation District of Oregon	Rail collision with person	Limited safety benefit
8	18	Washington Metropolitan Area Transit Authority	Rail collision with person	Limited safety benefit
8	19	Maryland Transit Administration	Rail collision with fixed object	Limited safety benefit
8	19	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
8	19	Los Angeles County Metropolitan Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
8	19	MTA New York City Transit	Rail collision with person	Limited safety benefit
8	20	MTA New York City Transit	Rail collision with person	Limited safety benefit
8	21	Denver Regional Transportation District	Main line derailment	Limited safety benefit
8	21	Massachusetts Bay Transportation Authority	Main line derailment	Limited safety benefit

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Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
8	22	Sacramento Regional Transit District	Rail collision with person	Limited safety benefit
8	22	MTA New York City Transit	Rail collision with person	Limited safety benefit
8	23	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
8	24	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
8	24	MTA New York City Transit	Rail collision with person	Limited safety benefit
8	25	Pittsburgh Regional Transit	Main line derailment	Limited safety benefit
8	25	City of Portland	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
8	25	San Francisco Bay Area Rapid Transit District	Rail collision with person	Limited safety benefit
8	25	MTA New York City Transit	Rail collision with person	Limited safety benefit
8	26	Pittsburgh Regional Transit	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
8	26	Sacramento Regional Transit District	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
8	26	DDOT - Progressive Transportation Services Administration	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
8	26	Maryland Transit Administration	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
8	27	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit

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Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
8	27	San Diego Metropolitan Transit System	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
8	28	City of Portland	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
8	29	City of Charlotte North Carolina	Main line derailment	Limited safety benefit
8	30	New Orleans Regional Transit Authority	Main line derailment	Limited safety benefit
8	30	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
8	30	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
8	30	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
8	30	Tri-County Metropolitan Transportation District of Oregon	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
8	30	MTA New York City Transit	Rail collision with person	Limited safety benefit
8	30	Utah Transit Authority	Rail collision with person	Limited safety benefit
8	31	San Diego Metropolitan Transit System	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
9	1	Central Puget Sound Regional Transit Authority	Main line derailment	Limited safety benefit
9	1	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
9	1	City of Cincinnati	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
9	1	Massachusetts Bay Transportation Authority	Rail collision with person	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
9	1	MTA New York City Transit	Rail collision with person	Limited safety benefit
9	3	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
9	3	Central Puget Sound Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
9	3	MTA New York City Transit	Rail collision with person	Limited safety benefit
9	3	San Francisco Bay Area Rapid Transit District	Rail collision with person	Limited safety benefit
9	5	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
9	6	Pittsburgh Regional Transit	Main line derailment	Limited safety benefit
9	6	Maryland Transit Administration	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
9	6	MTA New York City Transit	Rail collision with person	Limited safety benefit
9	6	MTA New York City Transit	Rail collision with person	Limited safety benefit
9	6	Massachusetts Bay Transportation Authority	Rail collision with person	Limited safety benefit
9	7	Southeastern Pennsylvania Transportation Authority	Main line derailment	Limited safety benefit
9	7	Los Angeles County Metropolitan Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
9	8	Maryland Transit Administration	Rail collision with fixed object	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
9	8	Los Angeles County Metropolitan Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
9	8	Los Angeles County Metropolitan Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
9	8	Kansas City, City of Missouri	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
9	8	Tri-County Metropolitan Transportation District of Oregon	Rail collision with person	Limited safety benefit
9	9	Dallas Area Rapid Transit	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
9	9	Central Puget Sound Regional Transit Authority	Rail collision with rail transit vehicle/rail passenger train - not in revenue service	Limited safety benefit
9	10	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
9	10	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
9	10	MTA New York City Transit	Rail collision with person	Limited safety benefit
9	10	MTA New York City Transit	Rail collision with person	Limited safety benefit
9	10	MTA New York City Transit	Rail collision with person	Limited safety benefit
9	11	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
9	11	Dallas Area Rapid Transit	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
9	11	Utah Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
9	11	MTA New York City Transit	Rail collision with person	Limited safety benefit
9	11	MTA New York City Transit	Rail collision with person	Limited safety benefit
9	11	Tri-County Metropolitan Transportation District of Oregon	Rail collision with person	Limited safety benefit
9	13	Massachusetts Bay Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
9	13	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
9	13	Utah Transit Authority	Rail collision with person	Limited safety benefit
9	14	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
9	15	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
9	15	City of Portland	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
9	16	Southeastern Pennsylvania Transportation Authority	Main line derailment	Limited safety benefit
9	16	Utah Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
9	16	Denver Regional Transportation District	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
9	16	MTA New York City Transit	Rail collision with person	Limited safety benefit
9	16	Central Puget Sound Regional Transit Authority	Rail collision with person	Limited safety benefit
9	17	Central Puget Sound Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
9	18	Sacramento Regional Transit District	Rail collision with fixed object	Limited safety benefit
9	18	City of Cincinnati	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
9	18	Sacramento Regional Transit District	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
9	18	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
9	19	MTA New York City Transit	Main line derailment	Limited safety benefit
9	19	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
9	19	City of Portland	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
9	20	Central Puget Sound Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
9	20	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
9	20	Central Puget Sound Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
9	20	Central Puget Sound Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
9	20	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
9	20	MTA New York City Transit	Rail collision with person	Limited safety benefit
9	20	Southeastern Pennsylvania Transportation Authority	Rail collision with rail transit vehicle/rail passenger train - not in revenue service	Limited safety benefit
9	21	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
9	21	San Diego Metropolitan Transit System	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
9	21	MTA New York City Transit	Rail collision with person	Limited safety benefit
9	21	New Orleans Regional Transit Authority	Rail collision with person	Limited safety benefit
9	22	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
9	22	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
9	22	Chicago Transit Authority	Rail collision with person	Limited safety benefit
9	22	Utah Transit Authority	Rail collision with person	Limited safety benefit
9	23	Los Angeles County Metropolitan Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
9	24	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
9	24	Tri-County Metropolitan Transportation District of Oregon	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
9	24	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
9	24	MTA New York City Transit	Rail collision with person	Limited safety benefit
9	24	Southeastern Pennsylvania Transportation Authority	Rail collision with person	Limited safety benefit
9	25	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
9	25	Massachusetts Bay Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
9	25	Los Angeles County Metropolitan Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
9	25	Hillsborough Area Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
9	25	MTA New York City Transit	Rail collision with person	Limited safety benefit
9	26	Metro Transit	Rail collision with person	Limited safety benefit
9	27	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
9	27	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
9	27	Central Puget Sound Regional Transit Authority	Rail collision with person	Limited safety benefit
9	27	MTA New York City Transit	Rail collision with person	Limited safety benefit
9	28	Los Angeles County Metropolitan Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
9	28	Dallas Area Rapid Transit	Rail collision with person	Limited safety benefit
9	29	Washington Metropolitan Area Transit Authority	Main line derailment	Limited safety benefit
9	29	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
9	29	Chicago Transit Authority	Rail collision with person	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
9	29	Chicago Transit Authority	Rail collision with rail transit vehicle/rail passenger train - not in revenue service	Limited safety benefit
10	1	MTA New York City Transit	Rail collision with person	Limited safety benefit
10	2	Hillsborough Area Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
10	3	Metro Transit	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
10	3	Tri-County Metropolitan Transportation District of Oregon	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
10	3	Metropolitan Transit Authority of Harris County, Texas	Rail collision with person	Limited safety benefit
10	4	Southeastern Pennsylvania Transportation Authority	Main line derailment	Limited safety benefit
10	4	Central Oklahoma Transportation and Parking Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
10	4	Utah Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
10	4	Sacramento Regional Transit District	Rail collision with person	Limited safety benefit
10	5	Dallas Area Rapid Transit	Main line derailment	Limited safety benefit
10	6	Utah Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
10	6	Utah Transit Authority	Rail collision with person	Limited safety benefit
10	7	Denver Regional Transportation District	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
10	7	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit

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Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
10	7	MTA New York City Transit	Rail collision with person	Limited safety benefit
10	8	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
10	8	City and County of San Francisco	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
10	9	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
10	9	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
10	10	Los Angeles County Metropolitan Transportation Authority	Rail collision with person	Limited safety benefit
10	11	Central Puget Sound Regional Transit Authority	Main line derailment	Limited safety benefit
10	11	Port Authority Transit Corporation	Main line derailment	Limited safety benefit
10	11	Utah Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
10	11	Los Angeles County Metropolitan Transportation Authority	Rail collision with person	Limited safety benefit
10	12	DDOT - Progressive Transportation Services Administration	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
10	12	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
10	12	City and County of San Francisco	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
10	12	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
10	12	Dallas Area Rapid Transit	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
10	12	Metropolitan Transit Authority of Harris County, Texas	Rail collision with person	Limited safety benefit
10	12	MTA New York City Transit	Rail collision with person	Limited safety benefit
10	12	Southeastern Pennsylvania Transportation Authority	Rail collision with person	Limited safety benefit
10	12	MTA New York City Transit	Rail collision with person	Limited safety benefit
10	13	M-1 Rail	Rail Collision with nonrail Transit Vehicle (Transit-owned and -operated vehicle that is not being used on the rail fixed guideway)	Limited safety benefit
10	14	Sacramento Regional Transit District	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
10	14	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
10	14	MTA New York City Transit	Rail collision with person	Limited safety benefit
10	15	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
10	15	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
10	15	MTA New York City Transit	Rail collision with person	Limited safety benefit
10	16	Bi-State Development Agency of the Missouri-Illinois Metropolitan District	Rail collision with person	Limited safety benefit
10	16	Metropolitan Transit Authority of Harris County, Texas	Rail collision with person	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
10	17	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
10	17	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
10	17	Niagara Frontier Transportation Authority	Rail collision with rail transit vehicle/rail passenger train - revenue service	Limited safety benefit
10	18	Sacramento Regional Transit District	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
10	18	Dallas Area Rapid Transit	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
10	18	MTA New York City Transit	Rail collision with person	Limited safety benefit
10	19	Southeastern Pennsylvania Transportation Authority	Main line derailment	Limited safety benefit
10	19	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
10	19	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
10	20	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
10	20	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
10	20	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
10	20	Dallas Area Rapid Transit	Rail collision with person	Limited safety benefit
10	22	MTA New York City Transit	Rail collision with other	Limited safety benefit
10	22	MTA New York City Transit	Rail collision with person	Limited safety benefit

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Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
10	23	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
10	23	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
10	24	Maryland Transit Administration	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
10	25	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
10	25	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
10	26	Metro Transit	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
10	26	MTA New York City Transit	Rail collision with person	Limited safety benefit
10	26	MTA New York City Transit	Rail collision with person	Limited safety benefit
10	27	Maryland Transit Administration	Main line derailment	Limited safety benefit
10	27	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
10	27	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
10	27	New Jersey Transit Corporation	Rail collision with person	Limited safety benefit
10	28	Maryland Transit Administration	Rail collision with fixed object	Limited safety benefit
10	28	Hillsborough Area Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
10	28	MTA New York City Transit	Rail collision with person	Limited safety benefit

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Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
10	29	City of Portland	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
10	30	New Jersey Transit Corporation	Rail collision with other	Limited safety benefit
10	30	MTA New York City Transit	Rail collision with person	Limited safety benefit
10	31	Massachusetts Bay Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
10	31	Central Puget Sound Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
10	31	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
10	31	New Orleans Regional Transit Authority	Rail collision with person	Limited safety benefit
10	31	MTA New York City Transit	Rail collision with person	Limited safety benefit
10	31	MTA New York City Transit	Rail collision with person	Limited safety benefit
11	1	Chicago Transit Authority	Main line derailment	Limited safety benefit
11	1	New Jersey Transit Corporation	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
11	1	Utah Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
11	1	New Orleans Regional Transit Authority	Rail collision with person	Limited safety benefit
11	2	Maryland Transit Administration	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
11	2	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit

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Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
11	2	New Jersey Transit Corporation	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
11	2	Metropolitan Transit Authority of Harris County, Texas	Rail collision with person	Limited safety benefit
11	3	Tri-County Metropolitan Transportation District of Oregon	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
11	3	MTA New York City Transit	Rail collision with person	Limited safety benefit
11	3	MTA New York City Transit	Rail collision with person	Limited safety benefit
11	3	MTA New York City Transit	Rail collision with person	Limited safety benefit
11	4	Southeastern Pennsylvania Transportation Authority	Rail collision with person	Limited safety benefit
11	4	Los Angeles County Metropolitan Transportation Authority	Rail collision with person	Limited safety benefit
11	4	Metropolitan Transit Authority of Harris County, Texas	Rail collision with person	Limited safety benefit
11	5	Los Angeles County Metropolitan Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
11	5	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
11	6	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
11	6	Los Angeles County Metropolitan Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
11	7	Tri-County Metropolitan Transportation District of Oregon	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit

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Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
11	8	Denver Regional Transportation District	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
11	8	Maryland Transit Administration	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
11	8	MTA New York City Transit	Rail collision with person	Limited safety benefit
11	9	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
11	9	MTA New York City Transit	Rail collision with person	Limited safety benefit
11	10	Sacramento Regional Transit District	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
11	10	Massachusetts Bay Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
11	10	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
11	10	MTA New York City Transit	Rail collision with person	Limited safety benefit
11	11	Chicago Transit Authority	Main line derailment	Limited safety benefit
11	11	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
11	12	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
11	13	Los Angeles County Metropolitan Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
11	13	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
11	13	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
11	13	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
11	14	Utah Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
11	14	City of Charlotte North Carolina	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
11	14	City of Charlotte North Carolina	Rail collision with person	Limited safety benefit
11	15	Sacramento Regional Transit District	Rail collision with nonrail transit vehicle (transit-owned and -operated vehicle that is not being used on the rail fixed guideway)	Limited safety benefit
11	15	City of Portland	Rail collision with other	Limited safety benefit
11	16	Dallas Area Rapid Transit	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
11	16	Los Angeles County Metropolitan Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
11	17	City of Memphis	Rail collision with fixed object	Limited safety benefit
11	17	Washington Metropolitan Area Transit Authority	Rail collision with fixed object	Limited safety benefit
11	17	Utah Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
11	17	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
11	17	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit

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Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
11	17	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
11	17	MTA New York City Transit	Rail collision with person	Limited safety benefit
11	18	San Francisco Bay Area Rapid Transit District	Main line derailment	Limited safety benefit
11	18	Metro Transit	Rail collision with fixed object	Limited safety benefit
11	18	Central Puget Sound Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
11	18	Denver Regional Transportation District	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
11	18	Southeastern Pennsylvania Transportation Authority	Rail collision with person	Limited safety benefit
11	19	Metropolitan Transit Authority of Harris County, Texas	Main line derailment	Limited safety benefit
11	19	Kansas City, City of Missouri	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
11	19	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
11	19	Massachusetts Bay Transportation Authority	Rail collision with nonrail transit vehicle (transit-owned and -operated vehicle that is not being used on the rail fixed guideway)	Limited safety benefit
11	19	MTA New York City Transit	Rail collision with person	Limited safety benefit
11	20	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
11	20	Sacramento Regional Transit District	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
11	20	MTA New York City Transit	Rail collision with person	Limited safety benefit

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Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
11	20	MTA New York City Transit	Rail collision with person	Limited safety benefit
11	20	Metropolitan Transit Authority of Harris County, Texas	Rail collision with person	Limited safety benefit
11	21	Sacramento Regional Transit District	Rail collision with fixed object	Limited safety benefit
11	21	Utah Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
11	21	Chicago Transit Authority	Rail collision with person	Limited safety benefit
11	22	Utah Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
11	22	MTA New York City Transit	Rail collision with person	Limited safety benefit
11	22	MTA New York City Transit	Rail collision with person	Limited safety benefit
11	23	Tri-County Metropolitan Transportation District of Oregon	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
11	23	MTA New York City Transit	Rail collision with person	Limited safety benefit
11	24	San Francisco Bay Area Rapid Transit District	Main line derailment	Limited safety benefit
11	24	Sacramento Regional Transit District	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
11	24	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
11	24	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
11	24	Metro Transit	Rail collision with person	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
11	24	San Diego Metropolitan Transit System	Rail collision with person	Limited safety benefit
11	25	Hillsborough Area Regional Transit Authority	Main line derailment	Limited safety benefit
11	25	Dallas Area Rapid Transit	Rail collision with fixed object	Limited safety benefit
11	25	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
11	25	MTA New York City Transit	Rail collision with person	Limited safety benefit
11	26	Los Angeles County Metropolitan Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
11	26	Hillsborough Area Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
11	27	San Francisco Bay Area Rapid Transit District	Main line derailment	Limited safety benefit
11	27	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
11	27	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
11	27	Central Puget Sound Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
11	27	Los Angeles County Metropolitan Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
11	27	Central Oklahoma Transportation and Parking Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
11	28	Central Puget Sound Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit

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Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
11	29	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
11	29	MTA New York City Transit	Rail collision with person	Limited safety benefit
11	30	Metro Transit	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	1	Utah Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	1	MTA New York City Transit	Rail collision with person	Limited safety benefit
12	1	Central Puget Sound Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	1	City of Tucson	Derailment	Limited safety benefit
12	1	Sacramento Regional Transit District	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	1	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	1	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	2	Chicago Transit Authority	Rail collision with person	Limited safety benefit
12	2	City and County of San Francisco	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	2	Metropolitan Transit Authority of Harris County, Texas	Rail collision with person	Limited safety benefit
12	3	Utah Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	3	Dallas Area Rapid Transit	Rail collision with person	Limited safety benefit

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Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
12	4	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	4	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	4	The Greater Cleveland Regional Transit Authority	Derailment	Limited safety benefit
12	5	Utah Transit Authority	Rail collision with nonrail transit vehicle (transit owned and operated vehicle that is not being used on the rail fixed guideway)	Limited safety benefit
12	5	MTA New York City Transit	Rail collision with person	Limited safety benefit
12	6	Utah Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	6	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	6	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	6	MTA New York City Transit	Rail collision with person	Limited safety benefit
12	7	New Jersey Transit Corporation	Rail collision with nonrail transit vehicle (transit owned and operated vehicle that is not being used on the rail fixed guideway)	Limited safety benefit
12	7	Metropolitan Transit Authority of Harris County, Texas	Rail collision with person	Limited safety benefit
12	7	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	8	MTA New York City Transit	Rail collision with person	Limited safety benefit
12	8	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	9	Metro Transit	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
12	10	Southeastern Pennsylvania Transportation Authority	Derailment	Limited safety benefit
12	10	Metropolitan Atlanta Rapid Transit Authority	Rail Collision with Rail Transit Vehicle-Rail Transit Maintenance or Service Vehicle on the rail fixed guideway	Limited safety benefit
12	11	Dallas Area Rapid Transit	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	11	Dallas Area Rapid Transit	Rail collision with person	Limited safety benefit
12	11	Tri-County Metropolitan Transportation District of Oregon	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	11	Dallas Area Rapid Transit	Derailment	Limited safety benefit
12	12	Sacramento Regional Transit District	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	12	MTA New York City Transit	Rail collision with person	Limited safety benefit
12	12	MTA New York City Transit	Rail collision with person	Limited safety benefit
12	12	District Department of Transportation	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	12	Sacramento Regional Transit District	Derailment	Limited safety benefit
12	13	Chicago Transit Authority	Rail collision with person	Limited safety benefit
12	13	Los Angeles County Metropolitan Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	13	Massachusetts Bay Transportation Authority	Derailment	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
12	13	Dallas Area Rapid Transit	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	13	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	13	Massachusetts Bay Transportation Authority	Derailment	Limited safety benefit
12	14	Maryland Transit Administration	Derailment	Limited safety benefit
12	14	Hillsborough Area Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	14	New Jersey Transit Corporation	Derailment	Limited safety benefit
12	14	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	15	MTA New York City Transit	Rail collision with person	Limited safety benefit
12	15	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	15	Los Angeles County Metropolitan Transportation Authority	Rail collision with person	Limited safety benefit
12	15	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	16	Washington Metropolitan Area Transit Authority	Derailment	Limited safety benefit
12	16	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	16	Los Angeles County Metropolitan Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
12	16	Utah Transit Authority	Derailment	Limited safety benefit
12	16	Southeastern Pennsylvania Transportation Authority	Derailment	Limited safety benefit
12	16	Utah Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	16	Sacramento Regional Transit District	Rail collision with person	Limited safety benefit
12	16	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	17	Bi-State Development Agency of the Missouri-Illinois Metropolitan District	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	17	Southeastern Pennsylvania Transportation Authority	Rail collision with rail transit vehicle/rail passenger train - revenue service	Limited safety benefit
12	18	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	18	Sacramento Regional Transit District	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	18	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	18	Washington Metropolitan Area Transit Authority	Derailment	Limited safety benefit
12	19	New Jersey Transit Corporation	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	19	City of Portland	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	19	Metropolitan Atlanta Rapid Transit Authority	Rail collision with fixed object	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
12	20	Dallas Area Rapid Transit	Rail collision with person	Limited safety benefit
12	20	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	20	Metro Transit	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	20	MTA New York City Transit	Derailment	Limited safety benefit
12	20	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	20	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	21	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	23	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	23	Valley Metro Rail, Inc.	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	23	Utah Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	23	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	23	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	23	Los Angeles County Metropolitan Transportation Authority	Rail collision with person	Limited safety benefit
12	24	Los Angeles County Metropolitan Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
12	25	San Diego Metropolitan Transit System	Rail collision with person	Limited safety benefit
12	25	MTA New York City Transit	Rail collision with person	Limited safety benefit
12	26	Denver Regional Transportation District	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	26	MTA New York City Transit	Rail collision with person	Limited safety benefit
12	27	MTA New York City Transit	Rail collision with person	Limited safety benefit
12	27	Metropolitan Transit Authority of Harris County, Texas	Rail collision with person	Limited safety benefit
12	27	Central Puget Sound Regional Transit Authority	Rail collision with person	Limited safety benefit
12	27	Los Angeles County Metropolitan Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	27	Tri-County Metropolitan Transportation District of Oregon	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	27	City and County of San Francisco	Rail collision with person	Limited safety benefit
12	28	MTA New York City Transit	Rail collision with person	Limited safety benefit
12	28	Utah Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	29	Southeastern Pennsylvania Transportation Authority	Rail collision with person	Limited safety benefit
12	29	Tri-County Metropolitan Transportation District of Oregon	Rail collision with person	Limited safety benefit

FTA – Transit Accident Nonfatal

Month	Day	Accident Location	Accident Circumstances	Reason Not Investigated
12	29	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	29	Southeastern Pennsylvania Transportation Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	29	MTA New York City Transit	Rail collision with person	Limited safety benefit
12	30	Utah Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	30	Denver Regional Transportation District	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	30	New Orleans Regional Transit Authority	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit
12	31	Metropolitan Transit Authority of Harris County, Texas	Rail collision with nontransit motor vehicle (POV)	Limited safety benefit

Appendix C: Report of 2023 Investigations to Comply with 49 U.S.C. 1116(c)(6)⁴

Mode	Date	Location	Reason Not Completed	2024 Report Date
Aviation	6/22/2022	Amherstdale, West Virginia	Prioritization of resources	
Aviation	11/12/2022	Dallas, Texas	Technical complexity	
Highway	12/16/2022	Williamsburg, Virginia	Prioritization of resources	
Highway	7/23/2022	Hamden, Connecticut	Technical complexity	
Highway	6/6/2022	Dermott, Arkansas	Prioritization of resources	2/5/2024
Highway	3/22/2022	Tishomingo, Oklahoma	Prioritization of resources	
Highway	1/28/2022	Pittsburgh, Pennsylvania	Technical complexity	2/21/2024
Marine	3/6/2022	Near Santo Domingo Cay, Bahamas	Prioritization of resources	1/24/2024
Marine	9/5/2022	Charleston, South Carolina	Prioritization of resources	
Marine	8/11/2022	Dixon Entrance, near Nunez Rocks, off Alaskan coast	Prioritization of resources	2/6/2024

⁴ Title 49 U.S.C. 1116(c)(6) requires that the agency provide annually "a list of ongoing investigations that have exceeded the expected time allotted for completion by Board order and an explanation for the additional time required to complete such investigation." The list above includes investigations not completed within 12 months of initiation.

Mode	Date	Location	Reason Not Completed	2024 Report Date
Railroad	8/29/2022	Imperial County, California	Technical complexity	
Railroad	8/30/2022	El Paso, Texas	Prioritization of resources	
Railroad	10/14/2022	Camden, New Jersey	Prioritization of resources	
Railroad	10/28/2022	Beaumont, Texas	Prioritization of resources	
Railroad	12/13/2022	Bessemer, Alabama	Prioritization of resources	

Appendix D: Report of 2023 Closed Unacceptable Recommendations to Comply with Section 1209 of FAA Reauthorization Act of 2024

The NTSB classified 25 recommendations to the US Department of Transportation and the United States Coast Guard Closed—Unacceptable Action in calendar year 2023. Below is a summary of the recipient’s response and our reasoning for closing each recommendation in an unacceptable status. Full details of each recommendation can be found via the links provided.⁵

Recipient	Recommendation	Recommendation Text	Recipient Response	NTSB Response
USCG	M-15-8 (See full correspondence ; Expand “Addressee Details”)	Revise your existing guidance to define inspection requirements clearly, including the frequency of inspection, for each bridge in your jurisdiction.	The Coast Guard has no statutory authority or responsibility for the inspection or the structural integrity of bridges and their bridge protective systems over or across the navigable waters of the United States. The responsibility for structural integrity rests with the bridge owner. The Federal Highway Administration and Federal Railroad Administration have inspection programs to identify substandard highway and railroad bridges. The USCG requests that this recommendation be closed.	We reviewed the revised USCG’s Bridge Administration Manual and the Bridge Operations TTP Manual and found that the USCG did not include specific requirements for inspection frequency, which was necessary to satisfy our recommendation. Accordingly, Safety Recommendation M-15-8 is classified Closed—Unacceptable Action.
USCG	M-17-22 (See full correspondence ; Expand “Addressee Details”)	Propose to the International Maritime Organization that design maximum operating angles of inclination for main propulsion and other critical machinery be included in damage control documents, stability instruments and booklets, and in the safety management systems for all applicable vessels.	The Coast Guard agrees with the intent of this recommendation; however, a specific proposal to the IMO to extend International Convention for the Safety of Life at Sea (SOLAS) requirements to ships built before 1992 would cover only a limited population. Further, compliance with provisions of the ISM Code has been a requirement for several years, and this recommendation for ships constructed prior to 1992 related to damage stability requirements is likely unfeasible because the ships are not required to meet damage stability criterion. The USCG does not believe it is appropriate to make this proposal at IMO and does not intend to take any further action.	Although the USCG provides guidance for US-flagged vessels, this safety issue is also a concern for international shipping. However, because the USCG does not plan to take our recommended action and requests that we close this recommendation, Safety Recommendation M-17-22 is classified Closed—Unacceptable Action.

⁵ Each link will take you to a specific safety recommendation page within our Case Analysis and Reporting Online (CAROL) tool. To see the complete history of the correspondence related to that recommendation, expand the “Addressee Details” section at the bottom of the page by selecting the downward-facing arrow.

Recipient	Recommendation	Recommendation Text	Recipient Response	NTSB Response
USCG	M-17-23 (See full correspondence ; Expand “Addressee Details”)	Propose to the International Maritime Organization that all watertight access doors and access hatch covers normally closed at sea be provided with open/close indicators both on the bridge and locally.	As cargo ships built before 1992 are not required to meet the current subdivision and damage stability regulations in SOLAS, there are no regulatory defined watertight closures to fit indicators. Therefore, in order to make a specific proposal to the International IMO related to a subdivision and damage stability matter for cargo ships constructed prior to 1992, such as indicator lights for watertight closures, the SOLAS subdivision and damage stability requirements would need to be amended as a whole to apply to existing cargo ships constructed prior to 1992. When SOLAS subdivision and damage stability regulations for cargo ships were originally developed (see Resolution MSC.19 (58) and Resolution MSC.47 (66)), they were not retroactively applied to existing ships, and to do so today would not be practicable. Therefore, we do not believe that it is appropriate to make this proposal to IMO. I The USCG does not intend to take any further action on this recommendation and requests that it be closed.	The USCG does not intend to take any further action and has asked that we close this recommendation. Accordingly, Safety Recommendation M-17-23 is classified Closed—Unacceptable Action.
USCG	M-17-24 (See full correspondence ; Expand “Addressee Details”)	Propose to the International Maritime Organization that on new and existing vessels, seawater supply piping below the waterline in all cargo holds be protected from impact.	The International Association of Classification Societies (IACS) Unified Requirement P2 “Rules for piping design, construction and testing” section P2.13.1 states “Seawater pipes located in cargo holds and in other spaces where pipes may be subject to impacts (i.e. fish holds, chain lockers), are to be protected from mechanical damage.” The Coast Guard considers that the new IACS unified requirement, which will ensure the physical protection of seawater piping and through hull penetrations fitted in the cargo holds of new ocean-going vessels, satisfies the intent of recommendation. Therefore, a regulatory initiative will not be pursued, nor will any proposals be submitted to IMO. The USCG considers action on this recommendation complete and requests that it be closed.	Although we commend the IACS and the Coast Guard for this new unified requirement that will increase the safety of new cargo vessels, this action does not protect existing vessels. We note that the USCG does not intend to take any further action and has asked that we close this recommendation. Accordingly, consistent with our classification of the companion recommendation issued to the IACS, Safety Recommendation M-17-24 is classified Closed—Unacceptable Action.

Recipient	Recommendation	Recommendation Text	Recipient Response	NTSB Response
USCG	M-17-29 (See full correspondence ; Expand "Addressee Details")	Propose to the International Maritime Organization that existing cargo vessels operating under the International Convention for the Safety of Life at Sea be required to have damage control plans and booklets on board that meet current standards.	The USCG does not concur with this recommendation. As cargo ships built before 1992 are not required to meet the current subdivision and damage stability regulations in SOLAS, there are no regulatory established watertight boundaries. Therefore, in order to propose requiring damage control plans and booklets, the SOLAS requirements would need to be amended to apply to existing cargo ships. To do so today would be unachievable. Therefore, the Coast Guard does not intend to submit any proposals to IMO on this matter and requests that this recommendation be closed.	Because the USCG does not intend to take any further action to address this recommendation and asks that we close them. Accordingly, Safety Recommendation M-17-29 is classified Closed—Unacceptable Action.
USCG	M-17-30 (See full correspondence ; Expand "Addressee Details")	Propose to the International Maritime Organization that damage control plans and booklets required by the International Convention for the Safety of Life at Sea be class-approved.	The USCG continues to concur with the intent of this recommendation. SOLAS regulation II-1/19 states the requirements for damage control information (plans and booklets) that are to be carried onboard each ship for ships built after 1992. However, the USCG does not believe it would be technically feasible for these requirements to be applied retroactively. Most classification societies already review and approve damage control plans and booklets (required by SOLAS II-1/19). Therefore, the Coast Guard does not intend to submit any proposals to IMO on this matter and requests that this recommendation be closed.	Because the USCG does not intend to take any further action to address this recommendation and asks that we close it, Safety Recommendation M-17-30 is classified Closed—Unacceptable Action.
USCG	M-17-38 (See full correspondence ; Expand "Addressee Details")	Update the guidance in Navigation and Inspection Circular 4-77 (Shifting Weights or Counter Flooding During Emergency Situations), based on the circumstances of the El Faro accident, to include a warning that actions by ship personnel intended to correct a list can produce dangerous results if roll-on/roll-off cargo is already adrift and water has reduced the coefficients of friction for lashed cargo.	The USCG continues to concur with the intent of this recommendation; however, the Coast Guard's existing policies sufficiently address this matter. Navigation Vessel Inspection Circular (NVIC) 3-89, NVIC 4-77, the 2008 Code of Intact Stability, Part B, Chapter 3 (Guidance in preparing stability information), and the Code of Safe Practice for Cargo Stowage and Securing, 2011 edition, in conjunction with required damage control plans (SOLAS II-1/19), achieve the intent of this recommendation. Thus, the Coast Guard does not intend to revise NVIC 4-77 at this time and requests that this recommendation be closed.	We believe that mariners' awareness of this safety issue would be improved by the Coast Guard amending its existing guidance to clarify that the potential risks of shifting weight or counterflooding to counteract a list exist for vessels other than bulk carriers, including roll-on/roll-off cargo vessels. However, because the USCG indicated that it does not intend to revise NVIC 4-77 and requests we close this recommendation, Safety Recommendation M-17-38 is classified Closed—Unacceptable Action.

Recipient	Recommendation	Recommendation Text	Recipient Response	NTSB Response
USCG	M-17-41 (See full correspondence; Expand "Addressee Details")	Review and revise the policy for major conversion determinations to consider load line (maximum) draft as a principal vessel dimension.	The Coast Guard does not concur with NTSB Finding #58 in investigation report MAR-17/01. Based on the information gathered during its concurrent investigation, the Coast Guard Marine Board of Investigation came to a similar conclusion. After review of all available information, the Coast Guard has affirmed that the modifications made to the El Faro in 2005–2006 did not meet the legislative criteria in 46 United States Code (U.S.C.) § 2101 (18) (formerly 46 USC § 2101 (14a)) for a major conversion.	Our investigation and the USCG's Marine Board of Investigation both concluded that the 2005–2006 modifications to the El Faro should have been considered a major conversion; however, the USCG still does not agree. Because the USCG does not agree to consider load line draft as a principal vessel determination and its revised policies will still not ensure modifications, such as those made to the El Faro in 2005–2006, will be deemed major conversions, the USCG's actions do not satisfy the intent of this recommendation. Accordingly, Safety Recommendation M-17-41 is classified Closed—Unacceptable Action.
DOT-FTA	R-19-39 (See full correspondence; Expand "Addressee Details")	Use your authority under Title 49 United States Code Part 5329 to develop standards for safety messaging for end-of-railcar doors, including appropriate sign location, text, and symbols to be placed on rolling stock.	Based on the FTA's safety risk management analysis of end-of-railcar door messaging that demonstrated the industry's voluntary adoption of end-of-railcar door signage and modal systems' use of consistent signage and recommended standards, the FTA determined that a general directive requiring standard signage or mitigations is not necessary at this time. Instead, the FTA will continue to monitor the risk associated with traveling between railcars and the industry's adoption of mitigations to manage this risk, such as open gangways. As such, the FTA requests the NTSB classify these recommendations Closed—Acceptable Alternate Action.	We do not agree with the FTA's determination that a general directive requiring standard signage is not necessary. The FTA's determination was based on results of its survey that found a little over half of the affected systems used at least one (not necessarily all) of the standards we reviewed in 2021 and said were not an acceptable response to our recommendations, which were issued even though the vehicles involved had signs on the end-of-railcar doors. Because the FTA does not believe the recommended actions are needed, Safety Recommendations R-19-39 and -40 are classified Closed—Unacceptable Action.

Recipient	Recommendation	Recommendation Text	Recipient Response	NTSB Response
DOT-FTA	R-19-40 (See full correspondence; Expand “Addressee Details”)	Once the messaging standards are successfully developed, use your authority under Title 49 Code of Federal Regulations 670.25 to immediately issue a general directive that would require all rail transit agencies to implement those standards on applicable rolling stock.	See Safety Recommendation R-19-39, above	See Safety Recommendation R-19-39, above
DOT-FAA	A-10-27 (See full correspondence; Expand “Addressee Details”)	Require all 14 Code of Federal Regulations Part 121, 135, and 91K operators to (1) develop and implement flight operational quality assurance programs that collect objective flight data, (2) analyze these data and implement corrective actions to identified systems safety issues, and (3) share the deidentified aggregate data generated through these analyses with other interested parties in the aviation industry through appropriate means.	Public Law 112-95, FAA Modernization and Reform Act of 2012, section 310, section 44735, Limitation on disclosure of safety information, establishes specific statutory flight operations quality assurance (FOQA) data protection authority. However, Congress explicitly designated that the statutory and regulatory protections should only be established for safety-related data that is voluntarily submitted to the FAA, including FOQA information. The FAA will keep the Board informed of its progress on these recommendations and provide an update by August 31, 2013.	We previously pointed out that the statutory protections of voluntarily submitted data explicitly do not apply to de-identified information, and that, because “de-identification” is fundamental to FOQA, we believe the FAA can take the recommended action. However, because the FAA did not indicate any plans to require FOQA programs, as recommended, nor did it dispute our interpretation of Title 49 U.S.C., section 44735, Safety Recommendation A-10-27 is classified Closed—Unacceptable Action.

Recipient	Recommendation	Recommendation Text	Recipient Response	NTSB Response
DOT-FAA	A-10-29 (See full correspondence ; Expand “Addressee Details”)	Require 14 Code of Federal Regulations Part 121, 135, and 91K operators to (1) routinely download and analyze all available sources of safety information, as part of their flight operational quality assurance program, to identify deviations from established norms and procedures; (2) provide appropriate protections to ensure the confidentiality of the deidentified aggregate data; and (3) ensure that this information is used for safety-related and not punitive purposes.	<p>The FAA met internally and discussed the new information provided by NTSB staff at a May 11, 2021 meeting. The following points resulted from this meeting:</p> <p>FOQA is a voluntary safety program designed to improve aviation safety through the proactive use of flight data recorder data. The use of cockpit voice recorder (CVR) data is not used in this way and not included in the aggregate data.</p> <p>The FOQA program utilizes routine collection and analysis of digital flight data generated during aircraft operations. This excludes all CVR data, as it does not meet the qualifications to be considered digital flight data.</p> <p>FOQA focuses on aggregate trends rather than individual flights.</p> <p>FOQA collects data through a quick-access recorder or directly from a flight data recorder. The collection of this data does not include CVR data.</p> <p>The FAA has met the intent of all three parts of this safety recommendation with this and our previous responses and considers our actions complete with no further action planned.</p>	<p>The FAA reported that CVR data are excluded from FOQA because the data do not qualify as digital flight data. We point out, however, that this contradicts the information in the FAA’s May 23, 2016, letter.</p> <p>The FAA has not revised its guidance to indicate that CVR data can be used as part of an operator’s FOQA program.</p> <p>We continue to believe that the systematic monitoring of all available safety data, including CVR recordings, as part of a FOQA program could provide operators with objective information regarding the way flights are conducted, and that a periodic review of this information would enhance flight safety by helping operators detect and correct deviations from standard operating procedures. We believe the FAA can take the actions recommended in Safety Recommendation A-10-29. However, because the FAA’s actions do not fully satisfy this recommendation, Safety Recommendation A-10-29 is classified Closed—Unacceptable Action.</p>

Recipient	Recommendation	Recommendation Text	Recipient Response	NTSB Response
DOT-FAA	A-12-29 (See full correspondence; Expand "Addressee Details")	Regulations 21.193, Federal Aviation Administration Order 8130.2G, and related guidance or regulations, as necessary, to require applicants for an airworthiness certificate for experimental, operating amateur-built aircraft to submit for Federal Aviation Administration acceptance a flight test plan that will (1) ensure the aircraft has been adequately tested and has been determined to be safe to fly within the aircraft's flight envelope and (2) produce flight test data to develop an accurate and complete aircraft flight manual and to establish emergency procedures and make a copy of this flight test plan part of the aircraft's certification file.	<p>The FAA continues to work towards updating Advisory Circular (AC) 90-89B, "Amateur-Built Aircraft and Ultralight Flight Testing Handbook," which has experienced some internal coordination delays. We now expect to issue AC-90-89C before the end of calendar year 2022. AC 90-89C will link to existing industry guidance in "Appendix C: Additional References on Flight Testing." This appendix will include references to the Experimental Aircraft Association, specifically its flight test manual.</p> <p>We will keep the NTSB informed of progress on A-12-28, -29, and -32 through -34, and anticipate an update by August 31, 2023.</p>	The industry-developed best practices and other guidance listed in Appendix C of AC 90-89C contain useful information for experimental/amateur-built (E-AB) aircraft owners and operators consistent with the intent of these recommendations. However, we did not find any information in the relevant sections of the updated AC that address the objectives of these recommendations. Because we do not believe the information in the appendix alone satisfies the intent of these recommendations, Safety Recommendations A-12-29 and -32 are classified Closed—Unacceptable Action.
DOT-FAA	A-12-32 (See full correspondence; Expand "Addressee Details")	Revise Federal Aviation Administration Order 8130.2G, and related guidance or regulations, as necessary, to require the review and acceptance of the completed test plan documents and aircraft flight manual (or its equivalent) that documents the aircraft's performance data and operating envelope, and that establishes emergency procedures, prior to the issuance of Phase II operating limitations.	See Safety Recommendation A-12-29, above.	See Safety Recommendation A-12-29, above.

Recipient	Recommendation	Recommendation Text	Recipient Response	NTSB Response
DOT-FAA	A-12-34 (See full correspondence ; Expand "Addressee Details")	Revise Federal Aviation Administration Order 8130.2G and related guidance or regulations, as necessary, to include provisions for the use of electronic data recordings from electronic flight displays, engine instruments, or other recording devices in support of Phase I flight testing of experimental amateur-built aircraft to document the aircraft performance data and operating envelope and develop an accurate and complete aircraft flight manual.	See Safety Recommendation A-12-29, above.	The intent of Safety Recommendation A-12-34 is to revise Order 8130.2 based on the updated guidance in AC 90-89C on using recorded flight data for flight testing and maintaining experimental aircraft airworthiness. Order 8130.2 should include provisions that will ensure E-AB aircraft owners document their aircraft performance data and operating envelope and develop an accurate and complete aircraft flight manual. However, because the FAA previously told us that it does not intend to revise Order 8130.2, and we are not aware of any plans to address these concerns, Safety Recommendation A-12-34 is classified Closed—Unacceptable Action.
DOT-FAA	A-16-51 (See full correspondence ; Expand "Addressee Details")	Include the July 7, 2015, and August 16, 2015, midair collisions as examples in your instructor-led initial and recurrent training for air traffic controllers on controller judgment, vigilance, and/or safety awareness.	<p>In collaboration with human performance specialists, the FAA developed training initiatives designed to improve on the deficiencies identified by the subject matter experts' review of the two accident reports, the contributing factors identified, and other significant findings. Threat and error management, the practice of applying controller judgement, vigilance, and safety awareness training, was delivered to controllers as part of the July 2017 instructor-led recurrent training. Additionally, the FAA delivered the "Emergencies" web-based training (FAA60005264) in July 2017, dedicated to emergencies identified in events similar to the collisions mentioned by the Board.</p> <p>We have attached the materials provided to air traffic controllers during the July 2017 instructor-led training, Integrated Safety Training Workshop (FAA60005265). We do not intend to include examples from the midair events contained in the accident reports.</p> <p>The FAA considers its actions complete.</p>	<p>We reviewed the FAA's "Threat and Error Management" training; however, we do not believe it, or the "Emergencies" training that the FAA previously provided highlight the safety issues identified in the Moncks Corner and San Diego accidents, nor do they discuss them or similar accidents.</p> <p>We continue to believe including these accidents as case studies in existing initial and recurrent air traffic controller training would raise controllers' awareness about the safety issues that led to these accidents and help prevent similar accidents in the future. However, because you do not intend to take the recommended actions, Safety Recommendations A-16-51 and -52 are classified Closed—Unacceptable Action.</p>

Recipient	Recommendation	Recommendation Text	Recipient Response	NTSB Response
DOT-FAA	A-16-52 (See full correspondence; Expand "Addressee Details")	Brief all air traffic controllers and their supervisors on the air traffic control errors in the July 7, 2015, and August 16, 2015, midair collisions.	See Safety Recommendation A-16-51, above.	See Safety Recommendation A-16-51, above.
DOT-FAA	A-17-42 (See full correspondence; Expand "Addressee Details")	Analyze automatic dependent surveillance-broadcast (ADS-B) data from Ketchikan air tour operations on an ongoing basis and meet annually with Ketchikan air tour operators to engage in a nonpunitive discussion of any operational hazards reflected in the data and collaborate on mitigation strategies for any hazards identified.	For the FAA to obtain accurate data, a request for specific data from each operator would need to be made, then generated dependent on availability. Operators providing data would be burdened by an FAA request, as as Automatic Dependent Surveillance-Broadcast (ADS-B) data is normally requested on a case-by-case basis associated with an accident and not a larger concerted effort of all operations, which is not easily accomplished. For these reasons, the FAA will not request this data from operators.	We believe the FAA can collect and review ADS-B data broadcast by aircraft in the Ketchikan area without operators submitting it; we were able to do so during the Promech investigation. The intent of this recommendation is to provide an opportunity for the FAA and Ketchikan-area air tour operators to openly discuss any safety issues identified in the collected ADS-B data and increase awareness of the operational hazards in that area. We do not believe the FAA's actions are responsive and, because it has not reported any plans to take the recommended action, Safety Recommendation A-17-42 is classified Closed—Unacceptable Action.

Recipient	Recommendation	Recommendation Text	Recipient Response	NTSB Response
DOT-FAA	A-17-45 (See full correspondence ; Expand “Addressee Details”)	Analyze your current policies, procedures, and tools for conducting oversight of commercial balloon operations in accordance with your Integrated Oversight Philosophy, taking into account the findings of this accident; based on this analysis, develop and implement more effective ways to target oversight of the operators and operations that pose the most significant safety risks to the public. (Supersedes Safety Recommendations A-14-11 and A-14-12)	<p>The FAA reviewed its existing balloon guidance and safety programs and determined that they continue to be responsive. In addition, the FAA’s WINGS Pilot Proficiency Program encourages general aviation pilots to engage in an ongoing training program that is available online. Finally, the FAA reviewed the additional accident data provided by the Board and believes additional oversight and surveillance by the FAA would not have prevented these accidents.</p> <p>We consider our actions complete with no further action planned.</p>	<p>We do not believe the guidance and programs the FAA reviewed are related to this safety issue. The guidance for FAA inspectors that was reviewed describes the types of balloon operations and procedures for providing surveillance at aviation events, such as balloon festivals.</p> <p>Our accident report pointed out that balloon surveillance primarily occurs at balloon festivals, not where an individual balloon operator is located, and, because not all balloon operators attend balloon festivals, the FAA’s surveillance methods do not ensure that operators that pose the most significant safety risks to the public receive FAA oversight.</p> <p>We continue to believe that the FAA should evaluate balloon accidents with fatalities and serious injuries and develop a more risk-based approach to identifying balloon operators that require FAA oversight. However, because the FAA believes that it has effectively addressed this recommendation and no further action is planned, Safety Recommendation A-17-45 is classified Closed—Unacceptable Action.</p>

Recipient	Recommendation	Recommendation Text	Recipient Response	NTSB Response
DOT-FAA	A-19-21 (See full correspondence ; Expand “Addressee Details”)	Develop and issue guidance on ways that air carriers can mitigate hazards to passengers affected by an in-flight loss of seating capacity.	<p>The FAA has concluded that the current regulatory framework provides appropriate risk-mitigation strategies. Air carriers have procedures in place that mitigate hazards to passengers affected by an in-flight loss of seating capacity. Although crewmember manuals do not provide a detailed overview of this particular scenario, the recommended procedures are covered in recurrent crewmember security training. The FAA encourages operators to use this guidance to implement and revise their operating procedures and training programs.</p> <p>We continue to collaborate with the Transportation Security Administration (TSA) to produce strategies to mitigate the risk for in-flight loss of seating capacity.</p> <p>It is our position that the need for specific guidance for addressing options for reseating passengers when no additional passenger seats are available is currently managed as a security issue. Accordingly, the FAA defers to the TSA as the lead federal agency on transport security issues and requests that the Board reassign Safety Recommendation A-19-21.</p> <p>We believe the FAA has effectively addressed Safety Recommendation A-19-21 and consider our actions complete.</p>	We do not believe that crewmember security training adequately addresses this safety issue. In addition to being a security issue, an in-flight loss of seating capacity is also a safety issue. However, because the FAA has made it clear that it does not intend to take any additional actions, Safety Recommendation A-19-21 is classified Closed—Unacceptable Action.

Recipient	Recommendation	Recommendation Text	Recipient Response	NTSB Response
DOT-FAA	A-22-28 (See full correspondence; Expand "Addressee Details")	Require operators of Bell 407 helicopters to conduct an immediate torque check of the tail boom attachment hardware, as well as a visual inspection of the tail boom attachment fittings for evidence of cracks and fractures, and report findings to the FAA. (Urgent)	<p>The Bell 407 helicopter state of design is Transport Canada Civil Aviation (TCCA). On December 6, 2022, the FAA and TCCA met to discuss the accident details and the Bell 407 certification standards. As a result of this meeting, TCCA issued Airworthiness Directive (AD) CF-2022-68, Fuselage Tailboom-Loss of Tailboom Attachment Hardware, on December 16, 2022, and effective on December 29, 2022.</p> <p>FAA AD 2022-27-08 requires aircraft owners and operators to complete an immediate visual inspection of the Bell 407 helicopter tail boom attachment fittings, conduct a one-time torque inspection of the tail boom attachment nuts, and then report the inspection findings to the FAA. The FAA AD does not require repetitive inspections as recommended by Safety Recommendation A-22-29.</p> <p>The FAA believes it has effectively addressed Safety Recommendation A-22-28 and considers its actions complete.</p>	<p>We continue to believe the actions required by AD 2022-27-08, "Bell Textron Canada Limited," are responsive to Safety Recommendation A-22-28; however, the compliance time specified in the AD did not ensure that operators complete those actions immediately, such as before the next flight, or within 5 hours time-in-service (TIS), which is the intent of this urgent recommendation. Consequently, Safety Recommendation A-22-28 is classified Closed—Unacceptable Action.</p>
DOT-FAA	A-16-51 (See full correspondence; Expand "Addressee Details")	Include the July 7, 2015, and August 16, 2015, midair collisions as examples in your instructor-led initial and recurrent training for air traffic controllers on controller judgment, vigilance, and/or safety awareness.	<p>In collaboration with human performance specialists, the FAA developed training initiatives designed to improve on the deficiencies identified by the subject matter experts' review of the two accident reports, the contributing factors identified, and other significant findings. Threat and error management, the practice of applying controller judgement, vigilance, and safety awareness training, was delivered to controllers as part of the July 2017 instructor-led recurrent training. Additionally, the FAA delivered the "Emergencies" web-based training (FAA60005264) in July 2017, dedicated to emergencies identified in events similar to the collisions mentioned by the Board.</p> <p>We have attached the materials provided to air traffic controllers during the July 2017 instructor-led training, Integrated Safety Training Workshop (FAA60005265). We do not intend to include examples from the midair events contained in the accident reports.</p> <p>The FAA considers its actions complete.</p>	<p>We reviewed the FAA's "Threat and Error Management" training; however, we do not believe it, or the "Emergencies" training that the FAA previously provided highlight the safety issues identified in the Moncks Corner and San Diego accidents, nor do they discuss them or similar accidents.</p> <p>We continue to believe including these accidents as case studies in existing initial and recurrent air traffic controller training would raise controllers' awareness about the safety issues that led to these accidents and help prevent similar accidents in the future. However, because the FAA does not intend to take the recommended actions, Safety Recommendations A-16-51 and -52 are classified Closed—Unacceptable Action.</p>

Recipient	Recommendation	Recommendation Text	Recipient Response	NTSB Response
	A-16-52 (See full correspondence ; Expand "Addressee Details")	Brief all air traffic controllers and their supervisors on the air traffic control errors in the July 7, 2015, and August 16, 2015, midair collisions.	See Safety Recommendation A-16-51, above.	See Safety Recommendation A-16-51, above.



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