

# Appendix 2

## Tennessee Short-Range (2017-2020) Rail Service Investment Program

Project	Benefit	Cost	Potential Funding Source	Plan/Source Reference
<b>Passenger Rail Projects</b>				
CARTA – Incline Cars	State of Good Repair	\$10,000	FTA-5337	FY2017-FY2020 TIP
CARTA - Incline Terminal (Rehabilitation/Renovation)	State of Good Repair	\$110,000	FTA-5337	FY2017-FY2020 TIP
CARTA - Line Equipment (Incline Railway)	State of Good Repair	\$870,000	FTA-5337	FY2017-FY2020 TIP
CARTA - Rail Equipment (Incline Railway)	State of Good Repair	\$36,000	FTA-5337	FY2017-FY2020 TIP
MATA - Advanced Public Transportation System (Rail Service)	Improve Efficiency of Operations	\$2,500,000	FTA-5337	FY2017-FY2020 TIP
MATA - Electric Rail Trolleys	Increased Access and Ridership	\$3,300,000	CMAQ	FY2017-FY2020 TIP
MATA - Preventive Maintenance (Rail Service)	State of Good Repair	\$5,800,000	FTA-5337	FY2017-FY2020 TIP
MATA - Rail Facility Improvements	State of Good Repair	\$1,000,000	FTA-5337	FY2017-FY2020 TIP
Memphis - Cobblestone Landing Railroad Pedestrian Improvements	Safety	\$50,000	FHWA-DEMO	FY2017-FY2020 TIP
RTA - Commuter Rail Capitalization and Preventive Maintenance	State of Good Repair	\$10,912,500	FTA-5307 STBG-Urban	FY2017-FY2020 TIP
RTA - Construction of Hamilton Springs Station	Increased Access and Ridership	\$3,590,000	U-STBG CMAQ Local	FY2014-FY2017 TIP
RTA - Construction of Storage and Maintenance Yard for Music City Star Railcars	Improve Efficiency of Operations	\$500,000	FTA-5307	FY2014-FY2017 TIP
RTA - Implementation of Positive Train Control (PTC)	Safety/Efficiency	\$19,750,000	FTA-5307 FTA-5337	FY2014-FY2017 TIP
RTA - Music City Star Passing Siding	Improve Efficiency of Operations	\$750,000	FTA-5307	FY2014-FY2017 TIP
RTA - Purchase and/or Rehabilitation of Locomotive and Rail Cars	State of Good Repair	\$10,508,505	FTA-5337	FY2017-FY2020 TIP
RTA - Purchase of Miscellaneous Support Equipment & Passenger Amenities	Safer Service	\$168,000	FTA-5307	FY2014-FY2017 TIP
RTA - Purchase of Spare Parts for Stock	State of Good Repair	\$850,000	FTA-5307	FY2017-FY2020 TIP
RTA - Purchase of Ticket Vending Machines	Reduce Operational Delays	\$392,000	STBG-Urban	FY2014-FY2017 TIP
RTA - Track Rehabilitation and Maintenance	State of Good Repair	\$1,500,000	FTA-5337	FY2014-FY2017 TIP

**Freight Rail Projects**

Lamar Avenue Projects (Memphis)	Improved Accessibility and Capacity to/from BNSF Intermodal Facility	\$800,000,000	Federal State Local Private	FY2017-FY2020 TIP
TDOT - Upgrades to At-grade crossings (Statewide)	Increased Safety at Highway Crossings	\$20,000,000	HSIP- Section 130	FY2017-FY2020 STIP

**Tennessee Long-Term (2020-2040) Rail Service Investment Program**

<b>Project</b>	<b>Benefit</b>	<b>Cost</b>	<b>Potential Funding Source</b>	<b>Plan/Source Reference</b>
<b>Passenger Rail Projects</b>				
Additional Amtrak Service - Additional daily service between Memphis and Chicago	Increased Ridership	TBD	Federal State Local	Feasibility Study
Atlanta-Chattanooga High-Speed Rail Service	New Service	\$8,760,000,000	Federal State Local Private	Needs Study
Capacity improvements to extend passenger service from Roanoke, VA to Bristol	New Intercity Connection	\$47,700,000	Federal State Local	Needs Study
Large Urban Areas (Statewide)	New Service on Existing Rail Corridors in the Event that Access for Commuter Rail Becomes Available	TBD	TBD	TN Rail Plan
MATA - Plough Blvd Interchange with Winchester Rd (preliminary planning to include coordination with MATA regarding future light rail service to airport)	Increased Access and Ridership	\$30,000,000	DEMO STBG-State	FY2017-FY2020 TIP
Memphis Central Station Redevelopment for Amtrak's City of New Orleans	Possible Increased Ridership	\$55,000,000	Federal Local Private	Local Plans
MTA - Nashville Transit Plan	26 Miles Light Rail, 1.8 Mile Tunnel, Enhanced Music City Star Commuter Rail Service, Enhanced Bus Service	\$5,400,000,000	Federal Local	MTA Plan
New light rail transit line along the historic Tennessee Rail corridor connecting Downtown Chattanooga, the Chattanooga Airport, and Enterprise South; includes fixing two SD bridge at Wilcox and west of Central as well as transit ITS	New Service Connecting the Region/State of Good Repair/Sustainability	\$624,464,986	Federal State Local Private	2040 Regional Plan
RTA - Music City Star Rail Rehabilitation	Improve Safety, Ride Comfort, and Increase Speed Allowances	\$5,000,000	Federal State Local	RTA Plan
RTA - Northwest Corridor Commuter Rail Service (Nashville to Clarksville)	New Service	\$525,000,000	Federal State Local Private	RTA Plan
<b>Freight Rail Projects</b>				
BCRA - Removal of WHOE track in Shelbyville, TN	Improves Safety/Eliminates Maintenance Burden	\$250,000	TDOT-TEF Local	TN Rail Plan
BCRA - Replace bridge deck on WHOE MP 0.5	Preserve Existing Service	\$145,000	TDOT-TEF	TN Rail Plan
Bulk Transloading Facility along NS in Bradley County	Diversion of Truck Freight, Improved	\$1,893,881	Federal State	TN Freight Plan

	Competitiveness and Safety		Local Private	
CCRA - Replacement of Bordeaux Bridge, in Nashville	Added Capacity/ Maintenance Removes Obstruction to Navigation	\$53,560,000	Truman-Hobbs TDOT-TEF	MPO Freight Plan TN Freight Plan
CCRA - Upgrade 10 bridges of FIMX to 286k	Preserves Existing Service/Increased Operating Efficiencies/ Reduce Long Term Maintenance	\$7,460,000	TDOT-TEF	TN Rail Plan
CCRA - Upgrade segments of FIMX to 286k	Preserves Existing Service/Increased Operating Efficiencies/ Reduce Long Term Maintenance	\$7,460,000	TDOT-TEF	TN Rail Plan
CFWR - Ties, large rail, bridge replacement, ballast	Added Capacity/ Maintenance	\$295,499	TDOT-TEF	TN Rail Plan
Cleveland MPO - Construction of Third Street Flyover NS, in Cleveland	Eliminate Low Clearance for Trucks and At-Grade Crossing for Vehicular Traffic. Better Efficiency and Safety	\$10,000,000	Federal State Local Private	TN Freight Plan
Construct a rail line spur 18 miles to the CN's Fulton Subdivision	Potential New Service	\$41,734,000	Federal State Local Private	TN Freight Plan
Construct a rail spur from CSXT's Memphis Subdivision to the I-40 Advantage Industrial Park Site in Brownsville, TN	Potential New Service	\$93,730,000	Federal State Local Private	MPO Freight Plan
Construction of Third Mississippi River Bridge, in Memphis	Increased Capacity	\$1,159,274,000	Federal State Local Private	MPO Freight Plan TN Freight Plan
East-West Rail connection (create a connection east-east through Tennessee that runs through the Cumberland Plateau)	New Service	\$174,756,000	Federal State Local Private	TN Freight Plan
ECTB - Replacement of rail from 85# to heavier (100/132)	Added Capacity/ Maintenance	Not Provided	Private	TN Rail Plan
ENTRY- 5 miles of brush removal	Safety/Maintenance	\$100,000	TDOT-TEF	TN Rail Plan
ENTRY - Construct 2 additional storage tracks at ENTRY Yard	Additional Storage	\$300,000	TDOT-TEF	TN Rail Plan
ENTRY- Construct siding at Carnegie Spur	Additional Storage	\$200,000	TDOT-TEF	TN Rail Plan
ENTRY - Rebuild 3 crossings	Safety/Maintenance	\$150,000	TDOT-TEF	TN Rail Plan
ENTRY - Replace 1.5 miles of 85AS rail on Carnegie Spur	Added Capacity/Maintenance	\$375,000	TDOT-TEF	TN Rail Plan
ENTRY - Upgrade 4 open deck timber trestles	Preserve Existing Service	\$385,000	TDOT-TEF	TN Rail Plan

ETRY- Upgrade switches to 112RE rail and OTM	Added Capacity/Maintenance	\$150,000	TDOT-TEF	TN Rail Plan
HWRX- Rail replacement and vegetation removal	Added Safety/Maintenance	Not provided	TDOT-TEF	
Improve CSX Bridge for larger barges to pass in Nashville	Operational Efficiency	\$64,890,000	Federal State Local Private	MPO Freight Plan
KWT - Paris Yard Upgrade, Surfacing, Bridge repairs	Added Capacity/Safety /Maintenance	Not Provided	Private	TN Rail Plan TN Freight Plan
KXHR - Rehabilitation section of KXHR KA line	Preserve Existing Service	\$350,000	TDOT-TEF	TN Rail Plan
KXHR - Tie, ballast, & surfacing project	Added Capacity/Maintenance	Not Provided	Private	TN Rail Plan
MSCI - 286k capability	Added Capacity	\$1,000,000	TDOT-TEF	TN Rail Plan
NERR - Upgrade of NERR bridge structures to 286K standard	Added Capacity/Maintenance	\$20,000,000	Private	TN Rail Plan
NERR - Upgrade of NERR track structure to 286K standard	Added Capacity/Maintenance	\$50,000,000	Private	TN Rail Plan
NWR - Bordeaux RR Bridge on NWR, in Nashville	Increased Waterway Capacity	\$52,000,000	Federal State Local Private	MPO Freight Plan
NWR - Create Rail Access to Hailey's Harbor terminal that connects to nearby Nashville-Western Rail line	New Intermodal Port Service	\$4,120,000	Federal State Local Private	TN Freight Plan
NWR - Reopen Nashville Western railroad for freight to proposed Intermodal at RM 122	New Intermodal Port Service	\$66,950,000	Federal State Local Private	TN Freight Plan
Redevelop Intermodal yard so it is being used by truck & rail, in Kingsport	Potential New Service	\$206,000,000	Federal State Local Private	TN Freight Plan
Relocate CSXT's Radnor Yard to outlying location (from Nashville to outlying location) to increase capacity of the yard	Increased Capacity	\$767,350,000	Federal State Local Private	MPO Freight Plan TN Freight Plan
RJCK - Track & Crossing Rehabilitation	Added Safety/Maintenance	\$3,000,000	TDOT-TEF	TN Rail Plan
RJCM - Rehabilitation of 7 bridges and channel work	Increased Safety/Expand Life of Bridges	\$519,230	Federal	TN Rail Plan
RJCM - Various Crossing Improvements	Added Capacity/Maintenance	\$558,000	TDOT-TEF	TN Rail Plan
SCTRA - Rehabilitation of SCTRR Duck River Bridge to accommodate 286K	Added Capacity/Maintenance /Prevent Service Elimination	\$7,500,000	TDOT-TEF	TN Rail Plan
SCTRR - Bridge/rail/tie replacement/ROW vegetation removal/crossing repaving	Added Capacity/Safety/Maintenance	Not provided	TDOT-TEF	TN Rail Plan

TKEN - Bridge/rail/tie replacement/ROW vegetation removal/crossing repaving	Added Capacity/Safety/Maintenance	Not provided	TDOT-TEF	TN Rail Plan
TKEN - Port of Cates Landing rail access - included with SR22 Project	New Intermodal Port Service	\$9,000,000	Federal State Local Private	TN Rail Plan
TKEN - Upgrade TennKen railroad to 286k compatibility and rehabilitate excepted track	Added Capacity	\$26,976,000	Federal State Local Private	TN Rail Plan TN Freight Plan
TSRR - Crossing rehabilitation	Safety/Maintenance	Not provided	TDOT-TEF	TN Rail Plan
TSRR - Fuel efficient locomotives	Air Quality/Efficiency	Not provided	Federal State Local Private	TN Rail Plan
TSRR - Replacement of 2 Bridge on "A" line with 286K	Preserve Existing Service	\$1,100,000	TDOT-TEF	TN Rail Plan
TSRR - Replacement of various segments of track on "A" line with 286K	Preserve Existing Service	\$6,200,000	TDOT-TEF	TN Rail Plan
TVRM - Complete removal of less than 100# rail	Added Capacity/Maintenance	Not provided	TDOT-TEF	TN Rail Plan
Upgrade at-grade crossing with NS and Cessna Road, in Knoxville	Increase Safety	\$82,000	Federal State Local Private	TN Freight Plan
Upgrade at-grade crossing with NS and South C Street, in Lenoir City	Increase Safety	\$111,000	Federal State Local Private	TN Freight Plan
WTNN - Bridge, rail, tie replacement/ROW vegetation removal/crossing repaving	Added Capacity/Safety/Maintenance	Not provided	TDOT-TEF	TN Rail Plan
WTNN - Provide second Class I rail access to Memphis Regional Megasite	New Industrial Access	Not provided	Federal State Local Private	TN Rail Plan