



Appendix 9 Freight Rail Projects

SEPTEMBER 2010

RAIL
PLAN



Appendix 9

Freight Rail Projects



In an effort to identify the capital needs of the freight industry in Pennsylvania, PennDOT conducted an extensive outreach initiative, in coordination with the Keystone State Railroad Association, to secure input from all 65 operating railroads within the Pennsylvania freight rail network. This outreach effort included solicitation for planned capital projects at rail-related conferences and e-mail correspondence, as well as follow-up telephone calls during July and August 2010. The project submissions provided in the following table characterize the full extent of known planned capital investments for railroad infrastructure across Pennsylvania as of August 2010.

The table is organized alphabetically by railroad and lists projects by implementation timeframe (near-term: 1-3 years, mid-term: 3-5, and long-term: more than 5 years). Brief project descriptions, location, and estimated costs are also included. Project categories were contributed by the Keystone State Railroad Association. PennDOT will also evaluate all submitted projects against the goals and objectives outlined in the *Pennsylvania Intercity Passenger and Freight Rail Plan* to assist the Department in making future funding decisions. PennDOT's grant application process will be used to maintain a current list of projects.



Allegheny Valley Railroad Company

Near-term Projects (within the next 3 years)	Glenwood Yard Reconstruction (Allegheny County)	\$5,200,000
	<i>Improve track clearances, upgrade walkways, build auto tangent switching lead</i>	Category: New/improved terminal or facility
	Marcellus Shale Gas Development (Allegheny County)	\$5,000,000
	<i>To serve gas development, rehabilitate line from Pittsburgh to Washington, PA, of the Capital W&PS subdivision</i>	Category: Upgrade lines for 286,000/315,000
	Establish Pittsburgh to Lower Burrell Allegheny Branch Transit Corridor (Allegheny County)	\$225,000
	<i>Allegheny Valley Railroad (AVR) will sell the line to a public private partnership and retain the easement on the line (Allegheny/West Moreland); AVR will operate freight at night</i>	Category: New/improved terminal or facility



Buffalo & Pittsburgh Railroad, Inc.

Near-term Projects (within the next 3 years)	Locomotive Facility Construction (Clearfield County)	\$5,200,000
	<i>Construct new locomotive facility</i>	Category: New/improved terminal or facility
	Homer City Mainline Extension (Indiana County)	\$2,500,000
	<i>Mainline extensions, bridge</i>	Category: New/improved terminal or facility
	Warren Yard Expansion (Warren County)	\$2,000,000
	<i>For improved service and capacity for new business</i>	Category: New/improved terminal or facility
	Butler Yard Expansion (Butler County)	\$1,800,000
	<i>For improved service</i>	Category: New/improved terminal or facility
Mid-term Projects (3 to 5 years out)	Allegheny River Bridge Improvements (Armstrong County)	\$1,500,000
	<i>Upgrade bridge (Mosgrove)</i>	Category: Upgrade lines for 286,000/315,000
	Road Crossing Improvements (Pennsylvania System)	\$800,000
	<i>Improve road/railroad crossings</i>	Category: Rail crossing improvement/problem
	Electro Code Upgrades (Clarion, Elk, McKean Counties)	\$600,000
	<i>Upgrade to Electro Code at Harris, North Clarion, Mt Jewett, and Boyer; remove pole</i>	Category: Safety Enhancement
	Bridge Upgrade (Pennsylvania System)	\$3,000,000
<i>Bridge upgrade and rating; tie and structure work</i>	Category: Upgrade lines for 286,000/315,000	
Long-term Projects (more than 5 years out)	Improvements on Northern Sub Bridges (Butler County)	\$8,000,000
	<i>Upgrade/replace Northern Sub bridges</i>	Category: Upgrade lines for 286,000/315,000
	Sabula Tunnel Clearance Improvements (Clearfield County)	\$1,750,000
	<i>Improve clearance of Sabula Tunnel to Plate F</i>	Category: Upgrade lines for 286,000/315,000



Canadian Pacific Railway

Near-term Projects (within the next 3 years)	Installation of Centralized Traffic Control System (Northumberland, Susquehanna Counties)	\$10,000,000
	<i>Install between state line and Sunbury</i>	Category: Safety Enhancement
Mid-term Projects (3 to 5 years out)	Drainage System Improvements (Wyoming County)	\$30,000,000
	<i>Repair drainage system to stop erosion, repair concrete surfaces of bridge</i>	Category: Safety Enhancement/Improve facility
	Installation of Positive Train Control System (Northumberland, Susquehanna Counties)	\$25,000,000
	<i>Install between state line and Sunbury</i>	Category: Safety Enhancement



Central New York Railroad

<p>Near-term Projects (within the next 3 years)</p>	<p>Railroad Tie Installation (Pike County) <i>Part A – Install 21,680 ties MP 90.80 to MP 117.90 (27.1 miles, 800 ties/mile at \$85/each)</i></p>	<p>\$1,842,800 Category: Major arterial or national corridor enhancements</p>
	<p>Railroad Tie Installation (Susquehanna County) <i>Part A – Install 12,160 ties MP 186.70 to MP 201.90 (15.2 miles, 800 ties/mile at \$85/each)</i></p>	<p>\$1,033,600 Category: Major arterial or national corridor enhancements</p>
	<p>Railroad Tie Installation (Pike County) <i>Part A – Install 4,200 ties on siding between MP 102.30 (CP Parker) and MP 105.80 (CP Shohola) (3.5 miles, 1,200 ties/mile at \$85/each)</i></p>	<p>\$357,000 Category: Major arterial or national corridor enhancements</p>
	<p>Ballast/Surface – 27.1 miles (Pike County) <i>Part B – Ballast/Surface MP 90.80 to MP 117.90 (27.1 miles at \$12,500/mile)</i></p>	<p>\$338,750 Category: Major arterial or national corridor enhancements</p>
	<p>Renew 450 Bridge Timbers (Pike County) <i>Bridge #110.54, Renew 450 bridge timbers at \$600/each</i></p>	<p>\$270,000 Category: Major arterial or national corridor enhancements</p>
	<p>Ballast/Surface – 15.2 miles (Susquehanna County) <i>Part B – Ballast/Surface MP 186.70 to MP 201.90 (15.2 miles at \$12,500/mile)</i></p>	<p>\$190,000 Category: Major arterial or national corridor enhancements</p>
	<p>Upgrade Crossing – MP 201.42 (Susquehanna County) <i>Upgrade automatic crossing protection to HXP Circuit at Lovers Lane, Great Bend</i></p>	<p>\$100,000 Category: Rail crossing improvement/problem</p>
	<p>Railroad Tie Installation (Susquehanna County) <i>Part A – Install 4,920 ties on siding between MP 193.90 (CPSR) and MP 189.80 (CP Lanesboro) (4.1 miles, 1,200 ties/mile at \$85/each)</i></p>	<p>\$418,200 Category: Major arterial or national corridor enhancements</p>



Central New York Railroad

<p>Ballast/Surface – 4.1 miles (Susquehanna County) <i>Part B – Ballast/Surface MP 189.80 to MP 193.90 (4.1 miles at \$12,500/mile)</i></p>	<p>\$51,250 Category: Major arterial or national corridor enhancements</p>
<p>200 Switch Timbers at Four Switches (Pike County) <i>Part A – Install 200 switch timbers at 4 switches at \$250/each</i></p>	<p>\$50,000 Category: Major arterial or national corridor enhancements</p>
<p>Ballast/Surface – 3.5 miles (Pike County) <i>Part B – Ballast/Surface MP 102.30 to MP 105.80 (3.5 miles at \$12,500/mile)</i></p>	<p>\$43,750 Category: Major arterial or national corridor enhancements</p>
<p>Pond Eddy Crossing (Pike County) <i>Renew Pond Eddy Crossing MP 98.60</i></p>	<p>\$40,000 Category: Rail crossing improvement/problem</p>
<p>Plank Road Crossing (Pike County) <i>Renew Plank Road Crossing MP 111.60</i></p>	<p>\$40,000 Category: Rail crossing improvement/problem</p>
<p>Mast Hope Crossing (Pike County) <i>Renew Mast Hope Crossing MP 114.30</i></p>	<p>\$40,000 Category: Rail crossing improvement/problem</p>
<p>SP 69-B Crossing (Pike County) <i>Renew SP 69-B Crossing MP 191.20</i></p>	<p>\$40,000 Category: Rail crossing improvement/problem</p>
<p>River Lane Crossing (Susquehanna County) <i>Renew River Lane Crossing MP 199.1</i></p>	<p>\$40,000 Category: Rail crossing improvement/problem</p>
<p>Kilgrow Street Crossing (Susquehanna County) <i>Renew Kilgrow Street Crossing MP 199.90</i></p>	<p>\$40,000 Category: Rail crossing improvement/problem</p>
<p>Lovers Lane Crossing (Susquehanna County) <i>Renew Lovers Lane Crossing MP 201.40</i></p>	<p>\$40,000 Category: Rail crossing improvement/problem</p>



Central New York Railroad

	<p>Renew 550 Bridge Timbers – Part B (Pike County) \$30,000</p> <p><i>Part B – Bridge #117.76, Replace wooden walkway with 600 linear feet of steel at \$50/linear foot</i></p>	Category: Major arterial or national corridor enhancements
	<p>100 Switch Timbers at Two Switches (Susquehanna County) \$25,000</p> <p><i>Part A – Install 100 switch timbers at 2 switches at \$250/each</i></p>	Category: Major arterial or national corridor enhancements
	<p>Ballast/Surface at Four Switches (Pike County) \$16,000</p> <p><i>Part B – Ballast/Surface at 4 switches at \$4,000/each</i></p>	Category: Major arterial or national corridor enhancements
	<p>Renew 180 Bridge Timbers – Part C (Susquehanna County) \$12,500</p> <p><i>Part C – Bridge #191.99, Replace 200 linear feet of wooden plank walkway with steel</i></p>	Category: Major arterial or national corridor enhancements
	<p>Ballast/Surface at Two Switches (Susquehanna County) \$8,000</p> <p><i>Part B – Ballast/Surface at 2 switches at \$4,000/each</i></p>	Category: Major arterial or national corridor enhancements
	<p>Mid-term Projects (3 to 5 years out)</p>	<p>Welding In Place (Pike County) \$2,800,000</p> <p><i>Weld 11.2 miles of jointed rail between MP 90.80 and MP 117.90 (11.2 miles at \$250,000/mile)</i></p>
<p>Welding In Place (Susquehanna County) \$2,025,000</p> <p><i>Weld 8.1 miles of jointed rail between MP 186.70 and MP 201.90 (8.1 miles at \$250,000/mile)</i></p>		Category: Major arterial or national corridor enhancements
<p>Power Switch Machine – two locations (Pike County) \$1,000,000</p> <p><i>Install power switch machine at CP Parker (MP 102.30) and CP Shohola (MP 105.30) at \$500,000/each</i></p>		Category: Communications and signals



Central New York Railroad

	Renew 210 Bridge Timbers (Susquehanna County) 60 timbers on #195.46, 80 timbers on #198.52, 70 timbers on #201.70 Total of 210 timbers at \$600/each	\$126,000 Category: Major arterial or national corridor enhancements
	Renew 180 Bridge Timbers (Pike County) Bridge #105.79, Shohola Creek Renew 180 timbers at \$600/each	\$108,000 Category: Major arterial or national corridor enhancements
	Realign Switch (Susquehanna County) Realign switch at CPSR MP 193.90	\$80,000 Category: Major arterial or national corridor enhancements
	Ditching and Culvert Repairs (Susquehanna County) Various ditching and culvert repairs	\$50,000 Category: Major arterial or national corridor enhancements
	Hot Box/Dragging Equipment Detector (Pike County) Renew Hot Box/Dragging Equipment Detector MP 91.30 Mill Rift	\$45,000 Category: Communications and signals
	Hot Box/Dragging Equipment Detector (Susquehanna County) Renew Hot Box/Dragging Equipment Detector MP 183.20 Gulf Summit	\$45,000 Category: Communications and signals
	Ditching and Culvert Repairs (Susquehanna County) Various ditching and culvert repairs	\$40,000 Category: Major arterial or national corridor enhancements
	Long-term Projects (more than 5 years out)	Railroad Tie Installation – 27.1 miles (Pike County) Part A – Install 21,680 ties MP 90.80 to MP 117.90 (27.1 miles, 800 ties/mile at \$120/each)
Railroad Tie Installation – 15.2 miles (Susquehanna County) Part A – Install 12,160 ties MP 186.70 to MP 201.90 (15.2 miles, 800 ties/mile at \$120/each)		\$1,459,200 Category: Major arterial or national corridor enhancements



Central New York Railroad

	<p>Installation of 13,550 Railroad Ties (Pike County) <i>Install 13,550 ties MP 90.80 to MP 117.90 (27.1 miles, 500 ties/mile at \$100/each) and (Ballast/Surface 27.1 miles at \$15,000/mile)</i></p>	<p>\$1,355,000 Category: Major arterial or national corridor enhancements</p>
	<p>Installation of 7,600 Railroad Ties (Susquehanna County) <i>Install 7,600 ties MP 186.70 to MP 201.90 (15.2 miles, 500 ties/mile at \$100/each) and (Ballast/Surface 15.2 miles at \$15,000/mile)</i></p>	<p>\$760,000 Category: Major arterial or national corridor enhancements</p>
	<p>Ballast/Surface – 27.1 miles (Pike County) <i>Part B – Ballast/Surface MP 90.80 to MP 117.90 (27.1 miles at \$18,000/mile)</i></p>	<p>\$487,800 Category: Major arterial or national corridor enhancements</p>
	<p>Renew 560 Bridge Timbers – Part A (Pike County) <i>Part A – Bridge #192.22, Susquehanna River Renew 560 bridge timbers at \$600/each</i></p>	<p>\$336,000 Category: Major arterial or national corridor enhancements</p>
	<p>Renew 550 Bridge Timbers – Part A (Pike County) <i>Part A – Bridge #117.76, Delaware River at Tusten Renew 550 bridge timbers at \$600/each</i></p>	<p>\$330,000 Category: Major arterial or national corridor enhancements</p>
	<p>Renew 560 Bridge Timbers – Part B (Pike County) <i>Part B – Bridge #192.22, Point 3 Piers</i></p>	<p>\$300,000 Category: Major arterial or national corridor enhancements</p>
	<p>Renew 180 Bridge Timbers – Part B (Susquehanna County) <i>Part B – Bridge #191.99, Masonry repair of pier and abutment</i></p>	<p>\$300,000 Category: Major arterial or national corridor enhancements</p>
	<p>Renew 550 Bridge Timbers – Part C (Pike County) <i>Part C – Bridge #117.76, Point 3 Piers</i></p>	<p>\$300,000 Category: Major arterial or national corridor enhancements</p>



Central New York Railroad

	<p>Redirect Stream at MP 115.55 (Pike County) <i>Redirect stream south of bridge, Mast Hope</i></p>	<p>\$300,000 Category: Major arterial or national corridor enhancements</p>
	<p>Ballast/Surface – 15.2 miles (Susquehanna County) <i>Part B – Ballast/Surface MP 186.70 to MP 201.90 (15.2 miles at \$18,000/mile)</i></p>	<p>\$273,600 Category: Major arterial or national corridor enhancements</p>
	<p>Renew 450 Bridge Timbers – Part A (Pike County) <i>Part A – Bridge #110.54, Lackawaxen River Renew 450 bridge timbers at \$600/each</i></p>	<p>\$270,000 Category: Major arterial or national corridor enhancements</p>
	<p>Upgrade Crossing – MP 91.16 (Pike County) <i>Upgrade automatic crossing protection to flashers and gates and HXP Circuit at Millrift Road</i></p>	<p>\$210,000 Category: Rail crossing improvement/problem</p>
	<p>Upgrade Crossing – MP 111.57 (Pike County) <i>Upgrade automatic crossing protection to flashers and gates and HXP Circuit at Mast Hope Plank Road, MP 111.57, Lackawaxen</i></p>	<p>\$210,000 Category: Rail crossing improvement/problem</p>
	<p>Upgrade Crossing – MP 114.27 (Pike County) <i>Upgrade automatic crossing protection to flashers and gates and HXP Circuit at Mast Hope Plank Road, MP 114.27</i></p>	<p>\$210,000 Category: Rail crossing improvement/problem</p>
	<p>Renew 560 Bridge Timbers – Part C (Pike County) <i>Part C – Bridge #192.22, Repair masonry block on Pier #2</i></p>	<p>\$120,000 Category: Major arterial or national corridor enhancements</p>
	<p>Renew 180 Bridge Timbers – Part A (Susquehanna County) <i>Part A – Bridge #191.99, Susquehanna River Renew 180 bridge timbers at \$600/each</i></p>	<p>\$108,000 Category: Major arterial or national corridor enhancements</p>



Central New York Railroad

	<p>Upgrade Crossing – MP 110.5 (Pike County) \$100,000</p> <p><i>Upgrade automatic crossing protection to HXP Circuit at Scenic Drive, Lackawaxen</i></p>	Category: Rail crossing improvement/problem
	<p>Upgrade Crossing – MP 188.86 (Susquehanna County) \$100,000</p> <p><i>Upgrade automatic crossing protection to HXP Circuit at Germantown Road, Lanesboro</i></p>	Category: Rail crossing improvement/problem
	<p>Upgrade Crossing – MP 199.11 (Susquehanna County) \$100,000</p> <p><i>Upgrade automatic crossing protection to HXP Circuit at River Lane, Great Bend</i></p>	Category: Rail crossing improvement/problem
	<p>Upgrade Crossing – MP 199.87 (Susquehanna County) \$100,000</p> <p><i>Upgrade automatic crossing protection to HXP Circuit at Kilrow Street, Great Bend</i></p>	Category: Rail crossing improvement/problem
	<p>Bridge/Culvert Repairs (Pike County) \$100,000</p> <p><i>Various Bridge/Culvert Repairs, MP 90.80 to MP 117.90</i></p>	Category: Major arterial or national corridor enhancements
	<p>Bridge/Culvert Repairs (Susquehanna County) \$100,000</p> <p><i>Various Bridge/Culvert Repairs, MP 186.70 to MP 201.90</i></p>	Category: Major arterial or national corridor enhancements
	<p>Bridge/Culvert Repairs (Pike County) \$80,000</p> <p><i>Various Bridge/Culvert Repairs, MP 90.80 to MP 117.90</i></p>	Category: Major arterial or national corridor enhancements
	<p>Bridge/Culvert Repairs (Susquehanna County) \$80,000</p> <p><i>Various Bridge/Culvert Repairs, MP 186.70 to MP 201.90</i></p>	Category: Major arterial or national corridor enhancements



Central New York Railroad

	<p>Renew 100 Bridge Timbers (Pike County) <i>Bridge #113.06, Hulbert’s Creek</i> <i>Renew 100 bridge timbers at \$600/each</i></p>	<p>\$60,000 Category: Major arterial or national corridor enhancements</p>
	<p>Crossing Rehabilitation Phase 1 (Pike County) <i>Rehabilitate crossings, MP 90.80 to MP 117.90</i></p>	<p>\$60,000 Category: Major arterial or national corridor enhancements</p>
	<p>Crossing Rehabilitation Phase 1 (Susquehanna County) <i>Rehabilitate crossings, MP 186.70 to MP 201.90</i></p>	<p>\$60,000 Category: Major arterial or national corridor enhancements</p>
	<p>Crossing Rehabilitation Phase 2 (Pike County) <i>Rehabilitate crossings, MP 90.80 to MP 117.90</i></p>	<p>\$50,000 Category: Major arterial or national corridor enhancements</p>
	<p>Crossing Rehabilitation Phase 2 (Susquehanna County) <i>Rehabilitate crossings, MP 186.70 to MP 201.90</i></p>	<p>\$50,000 Category: Major arterial or national corridor enhancements</p>
	<p>Ditching Phase 1 (Pike County) <i>Various Ditching, MP 90.80 to MP 117.90</i></p>	<p>\$50,000 Category: Major arterial or national corridor enhancements</p>
	<p>Ditching Phase 1 (Susquehanna County) <i>Various Ditching, MP 186.70 to MP 201.90</i></p>	<p>\$50,000 Category: Major arterial or national corridor enhancements</p>
	<p>Ditching Phase 2 (Pike County) <i>Various Ditching, MP 90.80 to MP 117.90</i></p>	<p>\$50,000 Category: Major arterial or national corridor enhancements</p>



Central New York Railroad

	Ditching Phase 2 (Susquehanna County)	\$50,000
	<i>Various Ditching, MP 186.70 to MP 201.90</i>	Category: Major arterial or national corridor enhancements
	Renew 450 Bridge Timbers – Part B (Pike County)	\$25,000
	<i>Part B – Renew 450 bridge timbers Install steel grading walkway, 500 feet at \$50/foot</i>	Category: Major arterial or national corridor enhancements



Delaware-Lackawanna Railroad Company, Inc.

Near-term Projects (within the next 3 years)	Upgrade 12,000 Railroad Ties (Lackawanna, Monroe Counties)	\$1,347,000
	<i>Upgrade 10,000 ties on Pocono Main and 2,000 ties on Carbondale Main, change out 3 miles of rail</i>	Category: Upgrade lines for 286,000/315,000
	Construct New Enginehouse (Lackawanna, Monroe Counties)	\$628,000
	<i>Construct new facility</i>	Category: Safety Enhancement
	Install Bridge Crossover (Lackawanna, Monroe Counties)	\$138,000
	<i>Install on Bridge 60</i>	Category: Safety Enhancement
Mid-term Projects (3 to 5 years out)	Upgrade 10,000 Railroad Ties(Lackawanna, Monroe Counties)	\$800,000
	<i>Upgrade 10,000 ties on Pocono and Carbondale mainlines</i>	Category: Major arterial or national corridor enhancements
	Construction of Terminal Tracks (Lackawanna, Monroe Counties)	\$690,000
	<i>Construct three yard terminal tracks along Mall siding or at Green Ridge Yard</i>	Category: New/improved terminal or facility
	Build a 900-foot Runaround (Lackawanna, Monroe Counties)	\$478,000
	<i>Build runaround at Carbondale</i>	Category: New/improved terminal or facility
	Replace Three Highway Crossings (Lackawanna, Monroe Counties)	\$360,000
<i>Replace three highway crossing surfaces</i>	Category: Rail crossing improvement/problem	
Extend Boiler Siding and Add Switch (Lackawanna, Monroe Counties)	\$310,000	
<i>Extend siding at East Stroudsburg, add second switch at interchange</i>	Category: Safety Enhancement	
Build a 500-foot Runaround (Lackawanna, Monroe Counties)	\$265,000	
<i>Build runaround at Cresco</i>	Category: New/improved terminal or facility	
APU Purchase and Installation (Lackawanna, Monroe Counties)	\$222,000	
<i>Purchase and install seven auxiliary power units (APUs) on locomotives</i>	Category: Green initiatives	



Delaware-Lackawanna Railroad Company, Inc.

Long-term Projects (more than 5 years out)	Replace Five Highway Crossings (Lackawanna, Monroe Counties) <i>Replace five highway crossing surfaces</i>	\$619,000 Category: Rail crossing improvement/problem
	Build Yard Tracks (Lackawanna, Monroe Counties) <i>Build under Bridge 60, Carbondale line</i>	\$520,000 Category: New/improved terminal or facility
	Rail Change Outs (Lackawanna, Monroe Counties) <i>Rail change outs on Pocono and Carbondale mainlines</i>	\$420,000 Category: Upgrade lines for 286,000/315,000
	Install Controlled Power Switches (Lackawanna, Monroe Counties) <i>Install seven controlled power switches at Bridge 60, Scranton Yard</i>	\$350,000 Category: Safety Enhancement
	Lackawanna Avenue Crossing Improvements (Lackawanna, Monroe Counties) <i>Pre-empted crossing and highway lights</i>	\$310,000 Category: Safety Enhancement
	Install Double Track (Lackawanna, Monroe Counties) <i>Install at Cedar Street Bridge</i>	\$269,000 Category: Safety Enhancement
	Installation of Computerized Dispatch System (Lackawanna, Monroe Counties) <i>Install computerized dispatching</i>	\$180,000 Category: Safety Enhancement
	Lighting Improvements (Lackawanna, Monroe Counties) <i>Light new yard under/over Bridge 60</i>	\$72,000 Category: Safety Enhancement



Juniata Terminal Company

Near-term Projects (within the next 3 years)	Juniata Terminal Fair Hill Transloading Facility (Philadelphia County) \$100,000
	<i>Build a transloading facility that can accept larger loads; will create approximately 12 jobs</i> Category: New/improved terminal or facility

New Hope & Ivyland Railroad

Mid-term Projects (3 to 5 years out)	Upgrade and Replace Active Warning Devices (Bucks County) \$5,000,000
	<i>Upgrade and replace active warning devices</i> Category: Rail crossing improvement/problem
	Upgrade Rail (Bucks County) \$2,000,000
	<i>Replace current 90- to 100-pound rail with 130+ pound rail</i> Category: Upgrade lines for 286,000/315,000
	Positive Train Control for Three Locomotives (Bucks County) \$1,000,000
	<i>Initial investment in cab signals and then upgrade to positive control</i> Category: Communications and signals
	Locomotive Modification for Cleaner Fuel Use(Bucks County) \$750,000
	<i>For cleaner/renewable fuel use for three locomotives</i> Category: Green initiatives



Norfolk Southern Corporation

Near-term Projects (within the next 3 years)

Intermodal Facility (Franklin County) <i>Construct intermodal facility</i>	\$95,000,000 Category: New/improved terminal or facility
Intermodal Facility (Dauphin County) <i>Construct intermodal facility</i>	\$52,000,000 Category: New/improved terminal or facility
Intermodal Facility (Philadelphia County) <i>Construct intermodal facility</i>	\$11,000,000 Category: New/improved terminal or facility
Line Improvements (Berks, Lehigh Counties) <i>For increased speeds</i>	\$11,000,000 Category: Upgrade lines for 286,000/315,000
Bridge Replacement (Mercer County) <i>Replace two bridges, MP 146.14 and 143.16</i>	\$9,000,000 Category: Upgrade lines for 286,000/315,000
Alto Tower Replacement (Blair County) <i>Replace Alto tower</i>	\$7,000,000 Category: New/improved terminal or facility
Additional Track Construction (Washington County) <i>Construct 1.5 miles at CP Jerry, West Brownsville</i>	\$5,000,000 Category: Network efficiency improvements
Line Improvements (Cumberland, Franklin Counties) <i>For increased speeds</i>	\$4,000,000 Category: Upgrade lines for 286,000/315,000
Line Improvements (Berks, Chester, Montgomery Counties) <i>For increased speeds</i>	\$3,000,000 Category: Upgrade lines for 286,000/315,000
Pole Line Elimination (Lycoming County) <i>Eliminate 17 miles of pole line</i>	\$3,000,000 Category: Communications and signals
Microlock Equipment Replacement (Beaver County) <i>Replace Microlock equipment</i>	\$2,000,000 Category: Communications and signals



Norfolk Southern Corporation

	New Connection (Dauphin County)	\$2,000,000
	<i>Between Royaltown Branch and Steelton Yard</i>	Category: Network efficiency improvements
	Line Improvements (Berks, Dauphin, Lebanon Counties)	\$1,000,000
	<i>For increased speeds</i>	Category: Upgrade lines for 286,000/315,000
Mid-term Projects (3 to 5 years out)	Construction of Second Mainline Track (Franklin County)	\$31,000,000
	<i>Create second mainline track watch, CP 62 - MP HW 73.8</i>	Category: Network efficiency improvements
	Construction of Second Mainline Track (Cumberland County)	\$25,000,000
	<i>Create second mainline track with train control (TC), CP Spring - CP Carl, 9.4 miles</i>	Category: Network efficiency improvements
	Construction of Second Mainline Track (Berks County)	\$24,000,000
	<i>Create second mainline track with TC, Blandon - West Laurel</i>	Category: Network efficiency improvements
	Enola Yard Connection (Cumberland County)	\$12,000,000
	<i>Connecting track to Enola yard</i>	Category: Network efficiency improvements
	Construction of Second Mainline Track (Dauphin County)	\$10,000,000
<i>Create second mainline track with TC, East leg of Harrisburg-Wye, 1 mile</i>	Category: Network efficiency improvements	
Construction of Second Mainline Track (Franklin County)	\$10,000,000	
<i>Create second mainline track with TC, Chambersburg area, 5.4 miles</i>	Category: Network efficiency improvements	
130 Car Passing Siding Construction (Indiana County)	\$9,000,000	
<i>Construct 130 car passing siding on Conemaugh Line at MP LC24</i>	Category: Network efficiency improvements	
Port Road Branch Extension (Lancaster County)	\$7,000,000	
<i>Extend harbor siding 6,500 feet for traffic growth</i>	Category: Network efficiency improvements	



Norfolk Southern Corporation

	Track Realignment at CP Ship (Cumberland County)	\$3,000,000
	<i>Realign to eliminate reverse curve at CP Ship</i>	Category: Network efficiency improvements
	Install TC (Berks County)	\$1,000,000
	<i>Install in Reading area (Wyomissing Junction - CP Oley)</i>	Category: Network efficiency improvements
Long-term Projects (more than 5 years out)	Port Perry Branch Construction (Allegheny County)	\$40,000,000
	<i>Construct 2 miles of second mainline track, bridge and tunnel improvements</i>	Category: Network efficiency improvements
	Track Construction (Dauphin County)	\$13,000,000
	<i>Construct 5 miles of additional main track with TC, Harris - CP Rockville</i>	Category: Network efficiency improvements

North Shore Railroad

Near-term Projects (within the next 3 years)	Installation of Ties and Timber (Northumberland, Union Counties)	\$685,000
	<i>Install 3,000 cross ties; 1,300 linear feet of switch timber; 1,250 linear feet of bridge timber</i>	Category: Upgrade lines for 286,000/315,000



Oil Creek & Titusville Lines, Inc.

Near-term Projects (within the next 3 years)	Crossing Improvement (Crawford County) <i>At SR 27 West MP 119.95. Install auto crossing protection and grade crossing track surface.</i>	\$200,000 Category: Rail crossing improvement/problem
	Crossing Improvement (Crawford County) <i>At S. Perry Street MP 0.27. Install auto crossing protection and grade crossing track surface.</i>	\$200,000 Category: Rail crossing improvement/problem
	Crossing Improvement (Crawford County) <i>At S. Franklin Street MP 0.46. Install auto crossing protection and grade crossing track surface.</i>	\$200,000 Category: Rail crossing improvement/problem
	Crossing Improvement (Crawford County) <i>At S. Franklin Street MP 120.59. Install auto crossing protection and grade crossing track surface.</i>	\$200,000 Category: Rail crossing improvement/problem
	Crossing Improvement (Crawford County) <i>At SR 27 East MP 2.13. Install auto crossing protection and grade crossing track surface.</i>	\$200,000 Category: Rail crossing improvement/problem
	Crossing Improvement (Crawford County) <i>At Bank and Drake Streets MP 120.76 and 120.80. Install auto crossing protection and grade crossing track surface.</i>	\$150,000 Category: Rail crossing improvement/problem
	Tie Replacement – 13.8 miles (Crawford, Venango Counties) <i>Replace 1,440 ties. Part of the mid-term project for Titusville Mainline Rehabilitation to Class 2/286,000.</i>	\$86,400 Category: Network efficiency improvements
Mid-term Projects (3 to 5 years out)	Track Rehabilitation (Crawford, Venango Counties) <i>Titusville Mainline Rehabilitation to Class 2/286,000-pound capacity track. Rail and tie replacement.</i>	\$800,000 Category: Upgrade lines for 286,000/315,000



Oil Creek & Titusville Lines, Inc.

	Bridge Repair (Venango County)	\$175,000
	<i>Repair and strengthen steel panels on bridge to allow 286,000-pound capacity and speeds</i>	Category: Upgrade lines for 286,000/315,000
	Repair Concrete Culvert (Venango County)	\$75,000
	<i>Repair spalled concrete</i>	Category: Safety enhancement
	Repair Concrete Culvert (Venango County)	\$24,000
	<i>Repair spalled concrete</i>	Category: Safety enhancement
	Repair Concrete Culvert (Venango County)	\$24,000
<i>Repair spalled concrete</i>	Category: Safety enhancement	
Repair Concrete Culvert (Venango County)	\$24,000	
<i>Repair spalled concrete</i>	Category: Safety enhancement	
Repair Concrete Culvert (Venango County)	\$10,000	
<i>Install Gabion wing walls</i>	Category: Safety enhancement	



Reading, Blue Mountain & Northern Railroad Company

Near-term Projects (within the next 3 years)	Rail Intermodal Enhancements, Scranton to Reading Corridor (Berks, Carbon, Schuylkill Counties)	\$21,500,000
	<i>Build new bridge over Lehigh River, replace defective rail on C&S Rail Line, upgrade Tamaqua Tunnel, raise height of three overhead bridges to accommodate double stack trains</i>	Category: Upgrade lines for 286,000/315,000
	Nesquehoning Bridge Phase II (Carbon County)	\$13,000,000
	<i>Construction, infrastructure, other related costs</i>	Category: Network efficiency improvements
	Construction of Lehigh River Bridge (Carbon County)	\$10,500,000
	<i>New steel girder bridge over Lehigh River, double tracked</i>	Category: Network efficiency improvements
	Rail Safety Upgrades, Haucks to Reading Corridor (Berks, Schuylkill Counties)	\$10,400,000
<i>Replace defective rail with 18 miles of continuous welded rail, rehabilitate a tunnel and increase height clearances on the Reading main line</i>	Category: Upgrade lines for 286,000/315,000	
Track Rehabilitation on Mainline and Branch Lines (Carbon, Lackawanna, Luzerne, Wyoming Counties)	\$6,428,571	
<i>Replace ties, rail, other track materials (OTM); surfacing; bridge repairs; crossing replacement to support increasing tonnage on these lines and future increased traffic in District 4 counties</i>	Category: Upgrade lines for 286,000/315,000	
Mainline Welded Rail Train Installation (Berks, Carbon, Luzerne, Schuylkill Counties)	\$5,000,000	
<i>Replace jointed rail with welded rail; replace existing old, worn, corrugated rail for safer train movements and to handle any increased future traffic</i>	Category: Safety enhancement	



Reading, Blue Mountain & Northern Railroad Company

<p>Rehabilitation of C&H Branch (Luzerne, Schuylkill Counties) <i>Rehabilitate entire branch with ties, rail, and surfacing from Delano Junction to Jeddo Coal Facility in Hazleton for new intermodal, dredge, coal, and other business</i></p>	<p>\$4,571,428 Category: Upgrade lines for 286,000/315,000</p>
<p>Mainline Track Rehabilitation (Berks, Carbon, Lackawanna, Luzerne, Schuylkill, Wyoming Counties) <i>Replace ties, rail, otm, and surfacing on mainline to accommodate increased business at a more efficient speed and improve safety</i></p>	<p>\$4,285,714 Category: Major arterial or national corridor enhancements</p>
<p>Reading to Nesquehoning Clearance Project (Berks, Carbon, Schuylkill Counties) <i>Raise four overhead bridges and related track work to accommodate double stack unit trains</i></p>	<p>\$3,857,142 Category: Upgrade lines for 286,000/315,000</p>
<p>Vosburg and Buck Tunnel Rehabilitation and Safety Improvements (Wyoming and Schuylkill Counties, respectively) <i>Remove track, dig out tunnel, replace with new track and new drainage. Clear any double stack obstacles.</i></p>	<p>\$3,571,428 Category: Upgrade lines for 286,000/315,000</p>
<p>Tamaqua to Mt. Carmel Safety and Corridor Improvement Project (Columbia, Northumberland, Schuylkill Counties) <i>Replace 12,000 crossties and associated materials to serve four anthracite customers and International Paper as well as other general merchandise customers along this branch line. The Buck Tunnel will also be rehabilitated.</i></p>	<p>\$2,500,000 Category: Network efficiency improvements</p>
<p>Dupont to Mehoopany Rail Access Improvements (Luzerne, Wyoming Counties) <i>Rail crop and slide 25 miles of track, joint elimination, bolt work, tie replacement, raise line and surfacing, rehabilitate track in tunnel, repair two rail bridges</i></p>	<p>\$2,400,000 Category: Upgrade lines for 286,000/315,000</p>



Reading, Blue Mountain & Northern Railroad Company

	<p>North Reading Yard Track Improvements (Berks County)</p> <p><i>Replace switches, install new switches, rehabilitate track to accommodate increased unit trains of outbound anthracite coal</i></p>	<p>\$2,000,000</p> <p>Category: Upgrade lines for 286,000/315,000</p>
	<p>Rehabilitation of Mahanoy & Shamokin Branch (Columbia, Northumberland, Schuylkill Counties)</p> <p><i>Replace ties, rail, otm, and surfacing to accommodate increased business at a more efficient speed and improve safety</i></p>	<p>\$1,714,285</p> <p>Category: Safety enhancement</p>
	<p>Tamaqua Yard Track Improvements (Schuylkill County)</p> <p><i>Replace switches, install new switches, rehabilitate track to accommodate increased unit trains of outbound anthracite coal</i></p>	<p>\$1,428,571</p> <p>Category: Upgrade lines for 286,000/315,000</p>
	<p>Rehabilitation of Pottsville, Minersville, Middleport Branches (Schuylkill County)</p> <p><i>Replace ties, rail, otm, and surfacing to accommodate increased business at a more efficient speed and improve safety</i></p>	<p>\$1,200,000</p> <p>Category: Safety enhancement</p>
	<p>Rehabilitation of Tremont Branch (Schuylkill County)</p> <p><i>Replace ties, rail, otm, and surfacing to accommodate increased business at a more efficient speed and improve safety</i></p>	<p>\$1,200,000</p> <p>Category: Safety enhancement</p>
	<p>Clear and Rehabilitate Tamaqua Tunnel for Double Stack Trains (Schuylkill County)</p> <p><i>Clear the south portal currently at 17 feet to 25 feet. Remove and replace track to improve safety and efficiency.</i></p>	<p>\$642,857</p> <p>Category: Safety enhancement</p>
	<p>Mid-term Projects (3 to 5 years out)</p>	<p>Rehabilitation of Track in Crestwood Industrial Park (Luzerne County)</p> <p><i>Rehabilitate tracks including extending and building tracks in Penobscot Yard to handle the carloads of the six customers in the park</i></p>



Reading, Blue Mountain & Northern Railroad Company

	Construction of Runaround and Extension of Track in Scranton Area (Lackawanna, Luzerne Counties)	\$2,857,142
	<i>Construct new track and switches to more efficiently serve Kane Warehousing and Azek</i>	Category: New/improved terminal or facility
	RBMN Taylor Yard Track Construction (Lackawanna, Luzerne Counties)	\$1,482,142
	<i>Acquire land and construct new switch and track near CP's Taylor Yard, rehabilitate RBMN Scranton Branch and Scranton Running Track</i>	Category: New/improved terminal or facility
	Lehigh Mainline Infrastructure Repair Project (Lackawanna, Luzerne Counties)	\$1,428,571
	<i>Rehabilitate bridges, culverts, other infrastructure between Scranton and Jim Thorpe to accommodate increased car weights and traffic</i>	Category: Upgrade lines for 286,000/315,000



SEDA-COG Joint Rail Authority/North Shore Railroad Company

Near-term Projects (within the next 3 years)	Loyalsock Creek Bridge Replacement (Lycoming County) <i>LVRB bridge replacement due to pier failures</i>	\$7,691,600 Category: Upgrade lines for 286,000/315,000
	Tallyrand Bridge Replacement (Centre County) <i>Replacement to accommodate increased traffic</i>	\$2,000,000 Category: Upgrade lines for 286,000/315,000
	Bridge Replacement (Columbia County) <i>Replace bridge at MP 194</i>	\$165,000 Category: Upgrade lines for 286,000/315,000
	Track Improvements (Centre County) <i>Install new head-hardened stick rail in curve, other track improvements</i>	\$65,000 Category: Network efficiency, Safety
Mid-term Projects (3 to 5 years out)	Sayers Dam Rail Welding (Centre County) <i>Weld rail around Sayers Dam</i>	\$3,000,000 Category: Network efficiency, Safety
	SEEDCO Industrial Park Sidings (Northumberland County) <i>Construct sidings to SEEDCO Industrial Park sites</i>	\$2,700,000 Category: New/improved terminal or facility
	Lewistown Street Running Track Reconstruction (Mifflin County) <i>Reconstruct 1,700 feet through Borough Street</i>	\$2,200,000 Category: Safety Enhancement
	Muncy Industrial Park Sidings (Lycoming County) <i>Construct sidings to Muncy Industrial Park sites</i>	\$2,000,000 Category: New/improved terminal or facility
	Track Upgrades – Whiterock Quarry (Centre County) <i>Major track upgrade to handle increased traffic from quarry</i>	\$2,000,000 Category: Network efficiency, Safety
	Baker Siding Installation – Nittany Main (Centre County) <i>Reinstall 5,500 feet of siding</i>	\$1,200,000 Category: Network efficiency improvements
Long-term Projects (more than 5 years out)	Welded Rail Installation (Lycoming County) <i>Between Montoursville and Saegers Station due to increasing traffic</i>	\$3,000,000 Category: Network efficiency, Safety



SEDA-COG Joint Rail Authority/North Shore Railroad Company

	Safety Upgrade on NSHR (Columbia County)	\$1,000,000
	<i>Upgrade light rail on NSHR to 130 pounds for safety</i>	Category: Network efficiency, Safety
	Track Rehabilitation – Koppers (Lycoming County)	\$100,000
	<i>Major rehabilitation of tracks to serve largest customer (Koppers)</i>	Category: Safety Enhancement

Strasburg Railroad Company

Mid-term Projects (3 to 5 years out)	Rehabilitation and Construction of Infrastructure (Lancaster County)	\$5,000,000
	<i>Rehabilitate and construct infrastructure including rails, ties, ballast, switches, undercutting, drainage, bridges, crossings, siding, and turning facilities for handling increasing demand</i>	Category: Upgrade lines for 286,000/315,000
	Construction of Transload Facility and Sidings (Lancaster County)	\$3,000,000
	<i>Construct transload facility and customer sidings to handle biofuel, aggregate, construction materials, and agricultural commodities</i>	Category: New/improved terminal or facility



Wellsboro & Corning Railroad

Near-term Projects (within the next 3 years)	Transload Facility Improvements (Tioga County)	\$3,000,000
	<i>Increase transload facility to support natural gas industry</i>	Category: New/improved terminal or facility
	Line Improvements (Tioga County)	\$2,000,000
	<i>Raise line, surface, replace ties</i>	Category: Upgrade lines for 286,000/315,000
	Upgrade Lines for 286,000/315,000 (Tioga County)	\$1,800,000
	<i>Rehabilitation of Army Corps 1976 rail move project</i>	Category: Upgrade lines for 286,000/315,000
Mid-term Projects (3 to 5 years out)	48 Bridge Improvements (Tioga County)	\$3,000,000
	<i>Improve 48 bridges (80-100 years old)</i>	Category: Upgrade lines for 286,000/315,000
	New/Improved Terminal or Facility (Tioga County)	\$2,500,000
	<i>Right-of-way acquisition</i>	Category: New/improved terminal or facility
	Upgrade Locomotive Fleet (Tioga County)	\$1,500,000
	<i>Upgrade and replace locomotive fleet</i>	Category: Green initiatives
	Signal Modernization (Tioga County)	\$500,000
	<i>Modernize signaling system, install new dispatch/traffic control</i>	Category: Communications and signals
Long-term Projects (more than 5 years out)	Crossing Upgrades (Tioga County)	\$900,000
	<i>Upgrade crossings to safely increase freight traffic</i>	Category: Rail crossing improvement/problem



Western New York & Pennsylvania Railroad Co. LLC

Near-term Projects (within the next 3 years)	Replace 30,000 Railroad Ties (Crawford, McKean, Mercer Counties)	\$3,300,000
	<i>30,000 ties and phased Oil City Branch surface program</i>	Category: Network efficiency improvements
	Replace 20,000 Railroad Ties (Crawford, Erie, Warren Counties)	\$2,300,000
	<i>20,000 ties and surface program</i>	Category: Network efficiency improvements
Mid-term Projects (3 to 5 years out)	Truss Bridge Replacements (Crawford County)	\$9,000,000
	<i>Replace two through-truss bridges</i>	Category: Upgrade lines for 286,000/315,000
	Rail Replacement/Welding (Crawford, Erie, Warren Counties)	\$5,400,000
	<i>Replace 15 miles of expired jointed rail with continuous weld rail</i>	Category: Network efficiency improvements
	Replace 35,000 Railroad Ties (Cameron, McKean, Potter Counties)	\$4,000,000
	<i>35,000 ties and phased Buffalo Line surface program</i>	Category: Network efficiency improvements
	Crossing and Drainage Improvements (Cameron, Erie, McKean, Mercer, Potter, Warren Counties)	\$1,000,000
	<i>Various grade crossing and drainage improvements</i>	Category: Rail crossing improvement/problem
Long-term Projects (more than 5 years out)	Upgrade Locomotives (Cameron, McKean, Potter Counties)	\$2,500,000
	<i>Convert three locomotives to hybrid-slug combo for Buffalo Line</i>	Category: Green initiatives



Wheeling & Lake Erie Railway Company

Near-term Projects (within the next 3 years)	Rail Rehabilitation (Allegheny, Washington, Westmoreland Counties) \$5,000,000 <i>Rehabilitate rail and bridge infrastructure to support new customer development</i>	Category: Network efficiency, Safety
	Infrastructure Improvements (Allegheny, Fayette, Westmoreland Counties) \$3,000,000 <i>Improve infrastructure to handle increased freight volumes</i>	Category: Network efficiency, Safety
Mid-term Projects (3 to 5 years out)	Rail Rehabilitation (Allegheny, Washington, Westmoreland Counties) \$4,000,000 <i>Rehabilitate rail and bridge infrastructure to support new customer development</i>	Category: Network efficiency, Safety
	Infrastructure Improvements (Allegheny, Fayette, Westmoreland Counties) \$3,000,000 <i>Improve infrastructure to handle increased freight volumes</i>	Category: Network efficiency, Safety
Long-term Projects (more than 5 years out)	Rail Rehabilitation (Allegheny, Washington, Westmoreland Counties) \$3,500,000 <i>Rehabilitate rail and bridge infrastructure to support new customer development</i>	Category: Network efficiency, Safety
	Infrastructure Improvements (Allegheny, Fayette, Westmoreland Counties) \$2,500,000 <i>Improve infrastructure to handle increased freight volumes</i>	Category: Network efficiency, Safety



York Railway Company

Near-term Projects (within the next 3 years)	Expansion of Storage Capacity at DCP Midstream, LLC (York County) \$750,000 <i>New customer requires the ability to store up to 60 propane cars. Current storage tracks have the capacity for 40 loads. New project will also improve the safety and security of these hazardous cars.</i> Category: Safety Enhancement
	Track Realignment at Three Grade Crossings (York County) \$427,143 <i>Remove, replace, and realign 500 track feet, including three road crossings, on the East Branch from MP 0.02 to 0.11, located within the City of York</i> Category: Safety Enhancement
Mid-term Projects (3 to 5 years out)	Crossing Replacement – Five Locations(York County) \$500,000 <i>The following crossings on the YRC need replacement due to bad surface, ties, rail, and gauge: Route 116 in Spring Grove, Biesecker Road, KBS Road, East Princess Street, King Street</i> Category: Crossing improvement/enhancement
Long-term Projects (more than 5 years out)	Rail Replacement (York County) \$8,500,000 <i>Replace 16 miles of 100-pound rail and rail fixtures to 115 pounds or larger</i> Category: Upgrade lines for 286,000/315,000
	Construction of Locomotive Maintenance Shop (York County) \$1,500,000 <i>Construction due to serious safety and operational issues relating to current facility</i> Category: New/improved terminal or facility