

Appendix D: Proposed Freight Rail Projects (2015-2040)



B&P Railroad near Kittanning, PA

Source: Southwestern Pennsylvania Commission

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Table D-1: Freight Project List

Project Number	Railroad / Corridor	Project	Project Description	Estimated Cost (in millions of 2015 dollars)	Primary County	PennDOT District
Class I Projects						
	CSX Southeast	Grade crossing separation	Create Grade Separated Rail Crossing at Main Street in Darby on CSX Philadelphia Subdivision	\$41.7	Delaware	6
	CSX Southeast	Bridge rehabilitation	Replace two single-track steel deck truss spans, increasing speeds from 10 mph to 20 mph.	TBD	Philadelphia	6
	CSX Southeast	25th Street Viaduct Improvement Project	Restore the 1.2 mile 25th Street viaduct between Washington Avenue and West Passyunk Avenue in Philadelphia to its original condition and appearance: install debris shield, remove parapet walls; repair drainage system, waterproof decking; replace parapet walls; and resurface underside of viaduct.	TBD	Philadelphia	6
	CSX Southeast	Trenton Line Capacity	Preliminary engineering work to add five miles of main line double-track between NY and Philadelphia	TBD	Bucks, Philadelphia	6
	CSX Southeast/ NS Crescent	Yard improvements	Keystone Industrial Port Complex (Morrisville Yard) rail improvements	\$32.0	Bucks	6
	CSX Southeast/ NS Crescent	Grade Crossing Improvement Program	Modernize and upgrade safety and warning devices at 29 highway-railroad grade crossings on CSX and Norfolk Southern Class I main lines.	TBD	Bucks, Delaware, Montgomery, Philadelphia	6
	CSX Southwest	Cambria Branch Track Rehabilitation (PBS Coals Inc.)	Rehabilitation of 10 miles on Cambria Branch including partial replacement of defective ties and track surfacing work to supplement annual routine track maintenance program.	\$18.7	Bucks, Delaware, Montgomery, Philadelphia	6
	CSX Southwest	Ultra-Clean Diesel Switch	The GenSet diesel engine will be used to retrofit an existing conventional diesel switcher locomotive that will operate locally within the SPC area.	\$4.2	Allegheny	11

Table D-1: Freight Project List, cont.

Project Number	Railroad / Corridor	Project	Project Description	Estimated Cost (in millions of 2015 dollars)	Primary County	PennDOT District
	CSX Southwest	Henry Mancini Bridge Preservation	Bridge Preservation on Ramp G Road over CSX and Main Street in Aliquippa.	\$3.8	Beaver	11
	CSX Southwest	Grade crossing	North St grade crossing improvements	\$0.2	Somerset	9
	CSX Southwest	Patriot Street Extension	Railroad Crossing Area	\$0.2	Somerset	9
89067	CSX Southwest	Pittsburgh Terminal	Beginning work on a new facility that will open up a new intermodal market for CSX customers with initial annual capacity of 50,000 loads	TBD	Allegheny	11
84241	CSX Southwest	National Gateway	Finishing clearances to allow double-stack intermodal trains between Chambersburg and Portsmouth	TBD	Cumberland	8
	CSX/Southeast	New track	Add dedicated freight track from Wilmington to Philadelphia	\$582.6	Delaware, Philadelphia	6
	CSX/Southeast	Aded track	Add second main track from CP Belmont to CP Arsenal on CSX High line / CSX Trenton line	\$202.2	Philadelphia	6
	CSX/Southeast	Aded track	Add second main track from Newtown Junction to CP Wood on CSX Trenton line	\$102.9	Bucks, Philadelphia	6
	CSX/Southeast/ NS Crescent	Capacity Expansion: New dedicated freight rail track	Construction of a dedicated freight line adjacent to SEPTA's Airport line to facilitate freight service to Delaware County and Eddystone. Adding additional tracks to the Airport Line will improve operating flexibility, as frequent passenger service currently restricts freight trains to operate during a 4-hour operating window (12am to 4 am).	\$40.0	Philadelphia	6



Table D-1: Freight Project List, cont.

Project Number	Railroad / Corridor	Project	Project Description	Estimated Cost (in millions of 2015 dollars)	Primary County	PennDOT District
	CSX/Southeast	Aded track	Add second main track from Delaware State Line to CSX Trenton Line on CSX Philadelphia Subdivision	\$40.0	Delaware, Philadelphia	6
	CSX/Southeast	Grade crossing separation	Grade crossing separation at Main Street in Darby on CSX Philadelphia Subdivision	\$8.3	Delaware	6
	CSX/Southeast	Double-stack clearance	Double-stack clearance at Art Museum Tunnel on CSX Philadelphia Subdivision	\$6.0	Philadelphia	6
	CSX/Southeast	Double-stack clearance	Double-stack clearance at Grays Ferry Avenue on CSX Schuylkill River line	\$4.0	Philadelphia	6
	CSX/Southwest	Rail acquisition (Evans City)	Acquisition and maintenance of existing CSX main line railroad from the Allegheny and Beaver County lines. This rail line has been earmarked for abandonment by the CSX railroad. If this abandonment is allowed to proceed, two existing manufacturing businesses which are dependent on the rail for raw materials and finished product shipments will be forced to leave the area.	TBD	Butler	10
	NS Crescent	D&H Improvements	NS acquired 283 miles of D&H rail lines and facilities in Pennsylvania and New York, including 127 miles between Sunbury and the NY/PA state line through Scranton. Track and signal upgrades will be required.	\$50.0	Northumberland, Montour, Columbia, Luzerne, Lackawanna, Susquehanna	3,4

Table D-1: Freight Project List, cont.

Project Number	Railroad / Corridor	Project	Project Description	Estimated Cost (in millions of 2015 dollars)	Primary County	PennDOT District
	NS/Crescent	Underpass replacement	Replace one-lane North 25th Street underpass of NS with a two-lane underpass and improve approaches and sight distance in West Lebanon Township. New underpass must also be able to safely handle bicycle and pedestrian traffic.	\$35.0	Lebanon	8
	NS Crescent	Navy Yard Rail Yard Expansion	Expand Navy Yard Rail Yard to attract large intermodal rail volumes to Philadelphia	\$16.0	Philadelphia	6
72814	NS Crescent	Replacement of Single-Track Structure	Replacement of existing single-track structure on NS Belt Line over US 422 and Tulpehocken Creek. Two lane rail approaches to structure from both north and south. This bridge may be partially addressed in proposed reconstruction of US 422.	\$10.0	Berks	5
91091	NS Crescent	Schuylkill Ave Bridge SB	Bridge replacement/rehabilitation on Schuylkill Avenue southbound (PA 183) over NS in Reading.	\$6.3	Berks	5
91995	NS Main Line	Shire Oaks Yard	Expansion of Shire Oaks Yard in Elrama. Due to increased coal production at southwestern PA mines, two additional tracks capable of handling 130-car trains need to be added to Shire Oaks Yard, which is NS' staging yard for outbound loaded coal trains and inbound empty coal trains. If current volumes hold, NS anticipates needing to add at least two trains daily to meet production needs.	\$15.0	Washington	12
27266	NS Main Line	Freeport Rd Br over RR	Bridge rehabilitation/replacement on SR 1001, Freeport Road, over NS RR in O'Hara Township.	\$5.7	Allegheny	11



Table D-1: Freight Project List, cont.

Project Number	Railroad / Corridor	Project	Project Description	Estimated Cost (in millions of 2015 dollars)	Primary County	PennDOT District
	NS Main Line	SR 2087 / Norfolk Southern	Replacement/rehabilitation of the bridge that carries SR 2087 over NS in Reading, Berks County.	\$3.1	Berks	5
84240	NS Main Line	Diesel Switchyard Retrofit	Retrofit up to two GP8 switcher locomotive frames or new frames with GenSet configuration located on NS Railroad, in Conway (Beaver Co.), Pitcairn (Allegheny Co.), and Shire Oaks (Washington Co.).	\$3.0	Allegheny	11
	NS Main Line	13th St Railroad Crossing	Rehabilitate 13th St railroad crossing in Windber Borough.	\$0.2	Somerset	9
	NS/Crescent	Track improvements: Abrams Yard to Morrisville Yard	Construct crossover track at Abrams Yard; add 2-mile passing siding and then transform siding into second main track; track changes at West Falls.	\$80.0	Philadelphia	6
	NS/Crescent	Underpass	Entrance underpass bridge to NS Rutherford Yard replacement	\$30.0	Dauphin	8
	NS/Crescent	Lemoyne Connection	Enola Yard is on the west shore of the Susquehanna River. The Lemoyne Connection would provide direct access to Enola from the Lurgan Branch. Freight rail congestion would be eased through Harrisburg, which sees an average of 60-70 freight trains daily.	\$20.0	Cumberland	8
	NS/Crescent	Grade separated crossing	One or two new grade separated crossings of NS in 17-mile corridor extending from SR 2005 (US 222-B) in Ontelaunee Township to Lehigh County line. Only one crossing exists in this corridor (SR 1010 in Richmond Township).	\$11.0	Berks	6

Table D-1: Freight Project List, cont.

Project Number	Railroad / Corridor	Project	Project Description	Estimated Cost (in millions of 2015 dollars)	Primary County	PennDOT District
	NS/Crescent	Rail spur rehabilitation	Colebrookdale Rail Spur: Rehabilitation of existing rail spur extending from NS line in the Borough of Pottstown, Montgomery County northeast to the Borough of Boyertown, Berks County with the intent to retain existing businesses and attract new users.	\$10.0	Berks, Montgomery	6
	NS/Crescent	Grade crossing warning devices	Automated Horn System at Lebanon city rail road crossings	\$8.0	Lebanon	8
	NS/Crescent	New bridge	New bridge on Krick Lane over NS replacing at-grade crossing.	\$4.0	Berks	6
	NS/Crescent	Bridge rehabilitation	Bridge Rehabilitation across the Main Stem of Susquehanna River	TBD	Snyder	3
	NS/Crescent	Yard expansion	Rutherford Yard expansion - expand intermodal facility (PPP with PA and FHWA): build 4 pad tracks, 4 storage tracks, 400 parking spaces.	TBD	Dauphin	8
	NS/Crescent	Yard enhancements	Harrisburg Yard facility enhancements Harrisburg Yard: Expand parking at intermodal facility (PPP with PA).	TBD	Dauphin	8
	NS/CSX/Erie	Bridge replacement	Replace Bridge to increase Meadville Line Cluster to 286k capability	\$5.0	Mercer	1
	NS/CSX/Erie	At-Grade Crossing Improvements	Improve railroad signals and gate crossings within North East Borough.	\$1.0	Erie	1
	NS/CSX/Erie	At-Grade Crossing Improvements (Springfield Twp.)	Improve signal and gate crossing within Springfield Twp. (Huntley Rd, Elmwood Rd, Scott Rd, Ellis Rd, and Pond Rd).	\$1.0	Erie	1
	NS/CSX/Erie	Overpass	Millfair Road Railroad Overpass Project: Millfair Rd from SR 20 to SR 5 Millcreek and Fairview Twp. New Bridge (with at-grade crossing removal), roadway rehabilitation including signal upgrades at SR 20 and SR 5 intersections.	\$0.5	Erie	1



Table D-1: Freight Project List, cont.

Project Number	Railroad / Corridor	Project	Project Description	Estimated Cost (in millions of 2015 dollars)	Primary County	PennDOT District
	NS/CSX/Erie	At-Grade Crossing Improvements	Study to construct a grade-separated railroad crossing on Erie's west side (Pittsburgh Ave, Greengarden Rd, or Raspberry St).	\$0.2	Erie	1
	NS/Main Line	Double-stack clearance	Pittsburgh double-stack clearances: Currently double stack intermodal trains take a circuitous route through Pittsburgh because of 14 overhead bridges and other obstructions. This project would eliminate those overhead obstructions and create a high speed intermodal route, improving schedules by two to three hours.	\$80.0	Allegheny	11
	NS/Main Line	Track stabilization	NS Cleveland Line runs through Midland over a shifting track bed for approximately one mile. This extremely unsafe condition has existed for decades and there have been several derailments, in which trains ended up in the Ohio River. While NS has made repairs to the area, from safety, environmental and operational perspectives, a more permanent solution is desired. PennDOT's adjacent SR 68, which is also shifting and buckling, would also be repaired.	\$60.0	Beaver	11
	NS/Main Line	Bridge rehabilitation / replacement	Rebuild Port Perry Bridge for better geometry to improve travel times: a) add a second line, b) flatten the curve at Thompson, and c) enlarge the tunnel.	\$35.0	Allegheny	11
	NS/Main Line	Siding	Proposed 100 car rail siding on the NS mainline in Sharpville, PA, behind the former steel mill (now DSF, Inc.).	\$11.0	Mercer	1

Table D-1: Freight Project List, cont.

Project Number	Railroad / Corridor	Project	Project Description	Estimated Cost (in millions of 2015 dollars)	Primary County	PennDOT District
	NS/Main Line	Greene County Airport Industrial Park Spur extension	Construction of a 1-mile extension with side track from existing NS/CSX tracks to service Airport and EverGreene Technology Park.	\$1.8	Greene	12
	NS/Main Line	Bridge replacement	Federal Street Bridge Replacement in Pittsburgh	TBD	Allegheny	11
	NS/Main Line	Load-out area	Load-out area construction	TBD	Westmoreland	12
Total Class I				\$1,589.5		
Class II Projects						
			Reactivate unused freight rail line between DuBois and Curwensville, to connect to existing RJ Corman and Buffalo & Pittsburgh Railroads along the old C&M Junction Railroad in Clearfield County. Re-build 20 miles of railroad and retrofit an old bridge carrying Short Cut Road to allow for continuous train movements. Establish Regional Rail Authority to manage re-established connection.	\$30.0	Clearfield	2
BPRR		Line reactivation				
	BPRR	Clarion River Five Span Bridge	1899 constructed bridge needing extensive repairs. Five span bridge going over State highway 219 and Clarion River.	\$5.0	Elk	2
BPRR		Sidings	The sidings on the Corbet IP Site on Platt Road in Sandy Township. Two sidings of approximately 800 feet in length each with switches. Off of the B&P Railroad.	\$1.0	Clearfield	2



Table D-1: Freight Project List, cont.

Project Number	Railroad / Corridor	Project	Project Description	Estimated Cost (in millions of 2015 dollars)	Primary County	PennDOT District
	BPRR	Passing Siding	Build 2,500 foot siding with two number 10 turnouts. Passing siding Buffalo and Pittsburgh Railroad at MP 135 where train cannot make the 1.5% grade hill heading south out of Bradford. Currently the train has to run to siding MP 145 which adds upwards of four hours to travel time.	\$0.6	McKean	2
	BPRR	Grout & Seal Tunnels with Water & Ice Conditions	Grout & Seal Tunnels: Ellwood City Tunnel 694 feet, P&W, MP 44.2 in Zelenople; Empire Tunnel 1,018 feet, BPRR Mainline, MP 185.8 in Brockway; Simpson Tunnel 2,322 feet, BPRR Mainline, MP 229.29 in Valier; Stombaugh Tunnel 713 feet, BPRR Mainline, MP 267.30 in Cowan; Sabula Tunnel 1,743 feet, Laurel Subdivision, MP 70.74 in Sabula; Caledonia Tunnel 424 feet, Laurel Subdivision, MP 87.13 in Caledonia; Indiana Tunnel 683 feet, Indiana Branch, MP 32.17 in Indiana.	\$0.4	Butler	10
	BPRR	BPRR Gate Project	Gates need to protect right of way and prevent sub-ballast damage and train collisions.	\$0.3	Clearfield, Elk, McKean	2
	WLE	Continuous Welded Rail	Continue with focus on the installation of continuous welded rail (install or replace 14 miles of track in 2015-2016)	\$9.0	Allegheny	11
	WLE	Track Rehabilitation	Rehab of the Clairton Branch in the Pittsburgh area, including the installation of Continuous Welded Rail on the mainline and siding tracks	TBD	Allegheny	11
	WLE	Track Rehabilitation	Installation of 12,000 crossties and 4 new turnouts	TBD	Allegheny	11

Table D-1: Freight Project List, cont.

Project Number	Railroad / Corridor	Project	Project Description	Estimated Cost (in millions of 2015 dollars)	Primary County	PennDOT District
	WLE	Grinding/Surfacing	Grind 150 miles (already completed) and surface 100 miles.	TBD	Allegheny	11
	WLE	Ties	Install or replace 47,000 wood ties.	TBD	Allegheny	11
	WLE	Ballast	Install 30,000 tons of ballast.	TBD	Allegheny	11
	WLE	Bridges Rehabilitation	Ballast deck installation on 6 bridges, and retire 4 bridges with installation of culverts and 2,000 deck timbers.	TBD	Allegheny	11
Total Class II				\$46.3		
Class III/Short line Projects						
	AVR	36th Street Trestle	Rehabilitation of the railroad's 36th Street bridge, increasing weight capacity and reducing a curve on the bridge.	\$1.9	Allegheny	11
	AVR	W&LE Interchange	Improve W&LE interchange at Bruceton and increase capacity to handle traffic volume moving between NS and W&LE.	TBD	Allegheny	11
27292	BLE	Culmerville Truss Bridge	Bridge Replacement on State Route 1028 (Culmerville Truss) over B&LE Railroad in West Deer Township, Allegheny County.	\$3.4	Allegheny	11
	BVRY	Bridge Timbers and Rail	Bridge Timbers and Rail.	\$0.6	Chester	6
	BVRY	Rebuild Track	2,734 feet of track.	\$0.5	Chester	6
	BVRY	Turnouts	8 turnouts	\$0.4	Chester	6
	BVRY	Ties	2,500 Ties	\$0.3	Chester	6
	BVRY	Rebuild Track	Replace 2,500 feet of rail	\$0.1	Chester	6
	BVRY	Switch Timbers	125 switch timbers	<\$0.1	Chester	6
	BVRY	Ballast	500 tons of ballast	<\$0.1	Chester	6
	CNYK	Tie Installation/Ballast & Surfacing	MP 90.80 to MP 117.90 = 27.1 miles; @ 900 ties/mile = 24,390 ties; 24,390 ties @ \$100/tie.	\$24.4	Pike	4



Table D-1: Freight Project List, cont.

Project Number	Railroad / Corridor	Project	Project Description	Estimated Cost (in millions of 2015 dollars)	Primary County	PennDOT District
	CNYK	Tie Installation/Ballast & Surface	Tie Installation - 15.20 miles @ 900 ties/mile = 13,680 ties; 13,680 ties @ \$100/tie. Ballast & Surface MP 186.70 to MP 201.90	\$1.4	Susquehanna	4
	CNYK	Structure Repairs & Waterproof	Structure Repairs & Waterproof the Deck Beneath the Track at the Starrucca Viaduct #189.42.	\$0.4	Susquehanna	4
	CNYK	Bridge Repairs	Steel/Concrete Repairs to Bridge #113.60.	\$0.3	Pike	4
	CNYK	Ties, Ballast & Surface	ie Installation/Ballast & Surface MP 186.70 to MP 201.90: 15.20 miles @ \$13,000/mile.	\$0.2	Susquehanna	4
	CNYK	Crossings	Rehabilitation of crossings	\$0.1	Susquehanna	4
	CNYK	Renew Bridge	Renew Bridge Timber & Walkway Bridge #191.99.	<\$0.1	Susquehanna	4
	CNYK	Bridge repairs	Concrete Repairs to Bridge #190.13 SP 96.	TBD	Susquehanna	4
	CNYK	Welded Rail	Welded Rail to Replace Jointed Rail	TBD	Susquehanna	4
17821	Conrail	I-95, Shackamaxon Street to Ann Street (GIR) - Design SR:0095	Construct 4 Conrail bridges over relocated Richmond Street	\$50.0	Philadelphia	6
	Conrail	Vertical Clearance	Bustleton Industrial Track on Willits Road Overpass: create 17' of vertical clearance to allow Plate F boxcars to serve the line	\$1.0	Philadelphia	6
	Conrail	Siding	Belt Line siding in Philadelphia, 2,000 feet.	TBD	Philadelphia	6
	Conrail	Bridge Rehabilitation	Replace wire ropes on Delair Bridge in Philadelphia and convert lift span of the bridge to be remotely controlled by dispatcher.	TBD	Philadelphia	6
	Conrail	Yard Enhancements	Install four new yard tracks at Port Richmond Yard in Philadelphia	TBD	Philadelphia	6

Table D-1: Freight Project List, cont.

Project Number	Railroad / Corridor	Project	Project Description	Estimated Cost (in millions of 2015 dollars)	Primary County	PennDOT District
	DLRR	Safety upgrades	286/310 Safety Upgrades - Marcellus and Grain Mill Expansion: 5 miles of rail change out	\$1.4	Monroe	5
	DLRR	Safety upgrades	286/310 Safety Upgrades - Marcellus and Grain Mill Expansion: 12,000 ties Pocono Main	\$1.3	Lackawanna, Monroe	4,5
	DLRR	Safety upgrades	286/310 safety upgrades: Rail change-outs Pocono & Carbondale Main	\$1.2	Lackawanna, Monroe	4, 5
	DLRR	Marcellus	8,000 ties Pocono & Carbondale mains	\$0.9	Lackawanna, Monroe	4,5
	DLRR	Marcellus New Terminals	Construct three yard terminal tracks at Green Ridge Yard	\$0.8	Lackawanna	4
	DLRR	Marcellus New Terminals	Carbondale Line: build 2 more yard tracks at Green Ridge and install lighting in Green Ridge Yard	\$0.7	Lackawanna	4
	DLRR	Safety - Marcellus	Construct new engine house	\$0.7	Lackawanna	4
	DLRR	Safety upgrades	286/310 Safety Upgrades - Marcellus and Grain Mill Expansion: 6,000 ties Carbondale Main	\$0.7	Lackawanna	4
	DLRR	Run-around	Build a 1,360 foot runaround at Marcellus Carbondale	\$0.5	Lackawanna	4
	DLRR	Safety - Marcellus	Pre-empted crossing & highway lights Lackawanna Avenue	\$0.5	Lackawanna	4
	DLRR	Run-around	Build a 700 foot run-around at Cresco	\$0.4	Monroe	5
	DLRR	Highway	Replace three highway crossing surfaces	\$0.4	Lackawanna	4
	DLRR	Highway	Replace three highway crossing surfaces	\$0.4	Monroe	5
	DLRR	Safety - Marcellus	Install Bridge 60 crossover	\$0.4	Lackawanna	4
	DLRR	Double track	Double track Cedar St. Bridge	\$0.4	Lackawanna	4
	DLRR	Safety - Marcellus / Steamtow	Install 7 local controlled power switches Br. 60 Scranton Yard	\$0.4	Lackawanna	4



Table D-1: Freight Project List, cont.

Project Number	Railroad / Corridor	Project	Project Description	Estimated Cost (in millions of 2015 dollars)	Primary County	PennDOT District
	DLRR	Green Initiatives	Purchase & install 7 Auxiliary Power Units (APU) on locomotives	\$0.2	Lackawanna	4
	EBT	HBCI Park Upgrade	Upgrade mainline track and build a transload terminal in the HBCI business park	\$2.0	Washington	12
	ESPN	Sidings	Build 3,600-foot siding in Avondale	TBD	Chester	6
	ESPN	Transload Facility	Build rail-to-truck transload facility with 3 or 4 tracks on land purchased in Avondale	TBD	Chester	6
	EV	Infrastructure upgrades	Replacement of rail on main line between Hollidaysburg and Martinsburg. Funding sources have not yet been identified	\$10.0	Blair	9
92391	G&N	Grade crossing warning devices	Upgrade of the existing antiquated warning devices on Biglerville Road (State Route 34) on the at-grade railroad crossing DOT#593416B with the single active track of the Gettysburg and Northern Railroad LLC in Butler Township, Adams Co.	\$0.1	Luzerne	4
94743	G&N	Grade crossing warning devices	Install flashers on T-398 (Pond Street Road) grade crossing Gettysburg and Northern Railroad in Menallen Township, Adams County.	\$0.1	Adams	8
	G&W	Track Rehabilitation	Rehabilitate the existing rail line between Brookville and Falls Creek and to provide enhanced connection to the Intermodal facility in DuBois. This project includes cross tie installation, surfacing, ballast distribution, crossing renewal, drainage, brush clearing and tie disposal.	\$3.0	Clearfield, Jefferson	2, 10

Table D-1: Freight Project List, cont.

Project Number	Railroad / Corridor	Project	Project Description	Estimated Cost (in millions of 2015 dollars)	Primary County	PennDOT District
	JVRR	Burnham Rail Yard	Development of a 19 acre rail yard to improve efficiency and better support major shippers in Burnham, Mifflin County.	TBD	Mifflin	2
	KJR	Kiski Junction Railroad Extension	Extension of short line 10 miles	\$26.0	Armstrong	10
	KJR	Yard improvements	Railroad yard improvements at the Schenley Industrial Park	\$1.0	Armstrong	10
	LVPC	Grade crossing warning devices	Address Highway Rail Crossings	\$7.4	Lehigh, Northampton	5
12111	LVRM	Lynn Ave Bridge	Replacement of bridge that carries Lynn Avenue over Lehigh Valley Rail Management railroad and City of Bethlehem Greenway in Bethlehem, Northampton County.	\$3.9	Northampton	5
	PBL	Track upgrade	The Belt Line plans to upgrade the rest of the track, which includes a bridge over Frankford Creek that needs to be rehabilitated, and engage in economic development in the area, probably with the Philadelphia Industrial Development Corp.	TBD	Philadelphia	6
	PN	Short-Term Infrastructure Improvements - Track	Improvements to the Bethlehem Branch MP 24.20 – MP 30.50 (Lansdale to Souderton) and Stony Creek Branch MP 0.0 – MP 3.0.	\$1.0	Bucks, Montgomery	6
	PN	Short-Term Infrastructure Improvements – Signals	Replace at grade Signal System - Broad Street in Souderton.	\$0.8	Bucks, Montgomery	6
	PN	Short-Term Infrastructure Improvements – Signals	Replace at grade Signal System - 8th Street in Lansdale.	\$0.2	Bucks, Montgomery	6



Table D-1: Freight Project List, cont.

Project Number	Railroad / Corridor	Project	Project Description	Estimated Cost (in millions of 2015 dollars)	Primary County	PennDOT District
	PN	Track speed improvements	Improvements on the Stoney Creek Line to raise track speed between Lansdale and Norristown.	TBD	Bucks, Montgomery	6
	PN	New interchange points	Explore new interchange points with CSXT/SEPTA and expand PN trackage rights	TBD	Bucks, Montgomery	6
	PN	Bethlehem Branch improvements Phase #1	Dedicated Freight and Passenger Lanes for a portion of the Line, ideally between Lansdale and Hatfield.	TBD	Bucks, Montgomery	6
	PN	Bethlehem Branch improvements Phase #2	Feasibility of current Lansdale freight yard arrangement and location (rearranged following the 1981 termination of passenger service).	TBD	Bucks, Montgomery	6
	PN	Bethlehem Branch improvements Phase #3	Relocation of CSXT/PN freight interchange to another point on the line, the addition of new tracks off the main to accommodate interchange or coordination with CSXT for PN to interchange freight at Woodbourne off the Neshaminy Line.	TBD	Bucks, Montgomery	6
	PN	Track Reactivation	Reactivate the SEPTA Jenkintown WYE - access to the Neshaminy Branch	TBD	Bucks, Montgomery	6
	POHC	Reconfigure Two Tracks in Scully Yard	Add an additional 4,800 feet of double ended track in the yard to help accommodate current business	\$1.0	Allegheny	11
	POHC	Upgrade Alden Line	Upgrade all 22 miles of Arden line from Crafton to Arden. The upgrade will include ties, rail, and ballast and increase track speed from 10 MPH to 25 MPH	\$0.0	Allegheny, Washington	11, 12
	POHC	Line upgrades	Add more tracks and sidings across the railroad	TBD	Allegheny, Washington	11, 12
	POHC	Yard improvements	Double end and reconnect all 5 tracks in Scully yard	TBD	Allegheny, Washington	11, 12

Table D-1: Freight Project List, cont.

Project Number	Railroad / Corridor	Project	Project Description	Estimated Cost (in millions of 2015 dollars)	Primary County	PennDOT District
	PSWR	Track and Yard Improvements	Extend the PSWR mainline east into an adjacent tank farm to being transloading C5 Natural gasoline. Includes rehabilitating parts of the PSWR yard for efficient movements to accommodate the increase in traffic, a new spur built into the tank farm, and the infrastructure necessary to safely transload from the existing tanks to railcars.	\$4.4	Beaver	11
	RBMN	Bridge Construction	Construct a new Nesquehoning bridge over the Lehigh River in Carbon County, which will provide progressive routing between the Lehigh and Reading division mainlines. The project includes 1,200 feet of track to connect the two existing lines.	\$21.4	Carbon	5
	RBMN	Ties	Susquehanna Branch: tie replacement & crop/slide	\$6.4	Berks, Carbon, Lackawanna, Luzerne, Schuylkill	4,5
	RBMN	Locomotive	Main Line: rail train	\$5.0	Berks, Carbon, Lackawanna, Luzerne, Schuylkill	4,5
	RBMN	Locomotive	Hazleton Branch: rail train and crop/slide Haucks to Oneida	\$4.5	Berks, Carbon, Lackawanna, Luzerne, Schuylkill	4,5
	RBMN	Ties/Surface	Scranton Branch: tie/surface upgrades and track construction	\$2.9	Berks, Carbon, Lackawanna, Luzerne, Schuylkill	4,5



Table D-1: Freight Project List, cont.

Project Number	Railroad / Corridor	Project	Project Description	Estimated Cost (in millions of 2015 dollars)	Primary County	PennDOT District
	RBMN	Yard improvements	Tamaqua Yard: tie upgrades and track construction	\$1.4	Berks, Carbon, Lackawanna, Luzerne, Schuylkill	4,5
	RBMN	Bdidge Deck Replacement	Replace a full timber deck on a 100-foot long bridge on the Susquehanna Branch.	\$0.1	Bradford	3
	RBMN	Track Improvements	Install or replace 4.35 track miles of rail with 136-pound relay Continuous Welded Rail.	TBD	Berks, Carbon, Lackawanna, Luzerne, Schuylkill	4,5
	RBMN	Track Improvements	Replace 4,000 feet of track (all new ties, rail and track materials) through the Buck Mountain Tunnel on the Mahanoy & Shamokin Branch.	TBD	Schuylkill	5
	RBMN	Grinding/Surfacing	Grind 55 miles and surface 75 miles.	TBD	Berks, Carbon, Lackawanna, Luzerne, Schuylkill	4,5
	RBMN	Ties	Install or replace 14,000 wood ties.	TBD	Berks, Carbon, Lackawanna, Luzerne, Schuylkill	4,5
	RBMN	Ballast	Install 9,600 tons of ballast.	TBD	Berks, Carbon, Lackawanna, Luzerne, Schuylkill	4,5
	RBMN	Ties	Tremont Branch/RT: tie/surface upgrades	TBD	Berks, Carbon, Lackawanna, Luzerne, Schuylkill	4,5
	RBMN	Ties	M&S RT: tie upgrades	TBD	Berks, Carbon, Lackawanna, Luzerne, Schuylkill	4,5

Table D-1: Freight Project List, cont.

Project Number	Railroad / Corridor	Project	Project Description	Estimated Cost (in millions of 2015 dollars)	Primary County	PennDOT District
	RBMN	Yard siding	New 1,400-foot siding in North Reading Yard	TBD	Berks	5
	RBMN	New Facilities	Construct new garage and storage building to house trucks and equipment at Penobscot Yard in Mountain Top	TBD	Luzerne	4
	RBMN	Yard Facilities	Build new crew quarters facility in Pittston Yard in Pittston	TBD	Luzerne	4
	RBMN	Connection	Hazleton Branch : construct connection for progressive movement	TBD	Berks, Carbon, Lackawanna, Luzerne, Schuylkill	4,5
	RBMN	Siding	Main Line: extend Pulpit Rock siding south with new crossover	TBD	Berks, Carbon, Lackawanna, Luzerne, Schuylkill	4,5
	RBMN	Tunnel clearance	M&S Branch: Plate F clearance for Buck Mountain tunnel	TBD	Berks, Carbon, Lackawanna, Luzerne, Schuylkill	4,5
	RBMN	Track	Main Line/Pennsy Branch: Rebuild track to Hamburg, connect Main Line and Pennsy	TBD	Berks, Carbon, Lackawanna, Luzerne, Schuylkill	4,5
	RBMN	Yard improvements	Cressona Yard: rebuild lite yard and extensive tie upgrades	TBD	Berks, Carbon, Lackawanna, Luzerne, Schuylkill	4,5
	RJCP	Track	Track Rehabilitation/Bridge and Tunnel Work	\$22.4	Cambria, Clinton	2,9
	SBRR	Grade crossing improvements	Significant grade crossing improvements needed in Hawley Borough	\$1.0	Wayne	4
99914	SEDA JRA	SEDA COG JRA Bridges	General Bridgework	\$3.9	Lycoming	3



Table D-1: Freight Project List, cont.

Project Number	Railroad / Corridor	Project	Project Description	Estimated Cost (in millions of 2015 dollars)	Primary County	PennDOT District
	SEDA JRA	Muncy Industrial Park Phases 2-3 Rail Spur	Muncy Industrial Park Phases 2-3 rail spur	\$1.0	Lycoming	3
	SEDA JRA	Locomotive Wash Area	Locomotive Wash Area	\$1.0	Lycoming	3
	SEDA JRA	Signal systems	Add active protection to grade crossings in developed areas	\$1.0	Lycoming	3
	SEDA JRA	Bellefonte Branch	Second Phase of Rail Change-out	\$0.4	Centre	2
	SEDA JRA	New Maintenance of Way Building at Newberry Yard	New Maintenance of Way Building At Newberry Yard	\$0.2	Lycoming	3
	SEDA JRA	Grade crossing warning devices	Install SEDA rail crossing warning devices at Antlers Lane rail road crossing	\$0.0	Lycoming	3
	SEDA JRA	Sanding Tower	Sanding Tower Repairs	\$0.0	Lycoming	3
	SEDA JRA	Grade crossing improvements	JRA annually installs 2 -3 signal systems with Section 130 funds and 1 new system a year with own funds.	TBD	Lycoming	3
	SEDA JRA, JVR	Lewistown Yard Drainage	Replace old timber box culvert	\$0.3	Mifflin	2
	SEDA JRA, JVR	Turntable Upgrade	Turntable Upgrade	\$0.2	Mifflin	2
	SEDA JRA, JVR	Bridge No. 1.00 – Three Span Thru-Girder over Kishacoquillas Creek	Timber tie deck; clear bearing areas on piers; re-anchor stringer bearing plates	\$0.2	Mifflin	2
	SEDA JRA, JVR	Bridge No. 0.46 – Eight Spans over Juniata River	Replace end stringer concrete bearing pedestals; repair stone masonry	\$0.1	Mifflin	2
	SEDA JRA, JVR	Bridge No. 1.51 – Three Span over Kishacoquillas Creek	Timber bearing repairs; replace timber tie deck	\$0.1	Mifflin	2
	SEDA JRA, JVR	West Park Drain Pipe Outfall	Replace drain pipe	\$0.1	Mifflin	2

Table D-1: Freight Project List, cont.

Project Number	Railroad / Corridor	Project	Project Description	Estimated Cost (in millions of 2015 dollars)	Primary County	PennDOT District
	SEDA JRA, JVR	Bridge No. 4.53 – Three Span over Jacks Creek	Replace Timber tie deck	\$0.0	Mifflin	2
	SEDA JRA, JVR	Bridge 0.51 – Three Span Thru-Girder over Kishacoquillas Creek	Replace tie deck	<\$0.1	Mifflin	2
	SEDA JRA, JVR	Bridge No. 3.25 – Three Span Deck Girder over Kishacoquillas Creek	Repoint open stone masonry joints; clear debris from bearings and close open joints on piers	<\$0.1	Mifflin	2
	SEDA JRA, LVR	Bridge maintainance	Bridge No. 242.86 – Seven (7) Span Thru Truss - p aint entire structure	\$2.0	Clinton, Lycoming	2, 3
	SEDA JRA, LVR	Yard capacity	Newberry Rail Yard almost at capacity - expand capacity.	\$1.6	Clinton, Lycoming	2, 3
	SEDA JRA, LVR	Bridge No. 171.30 over S.R. 220	Paint entire structure; repair concrete parapets along thru-girders.	\$0.6	Clinton, Lycoming	2, 3
	SEDA JRA, LVR	Bridge – Newberry Yard Culvert	Sidewall Repairs	\$0.4	Clinton, Lycoming	2, 3
	SEDA JRA, LVR	Bridge No. 1.78 – Deck Girder, 4 Spans over Pine Creek	Replace expansion shoes with rockers	\$0.4	Clinton, Lycoming	2, 3
	SEDA JRA, LVR	Bridge No. 242.86 – Thru Truss	End stringer bearing repairs Span #6; vertical post straightening	\$0.3	Clinton, Lycoming	2, 3
	SEDA JRA, LVR	Bridge No. 189.66 – Deck Girder over Carpenters Run	Scour rip rap	\$0.2	Clinton, Lycoming	2, 3
	SEDA JRA, LVR	Bridge No. 179.44 – Thru-Girder	Replace with steel or concrete arch	\$0.1	Clinton, Lycoming	2, 3
	SEDA JRA, LVR	Bridge No. 1.98 over HWY #2 – Single Span Thru-Girder with Transverse Trough Deck	Close open holes between spans, Repair or remove timber walkway, Clean bearing areas of stone and debris, Remove built up rust at bearing areas, repairs to abutments.	\$0.1	Clinton, Lycoming	2, 3



Table D-1: Freight Project List, cont.

Project Number	Railroad / Corridor	Project	Project Description	Estimated Cost (in millions of 2015 dollars)	Primary County	PennDOT District
	SEDA JRA, LVR	Bridge No. 201.66 – Thru-Girder over Lycoming Creek	Expansion shoe repair.	\$0.1	Clinton, Lycoming	2, 3
	SEDA JRA, LVR	Bridge No. 198.15 – Concrete Slab over McClure's Run	Headwall repairs; inlet debris removal.	\$0.1	Clinton, Lycoming	2, 3
	SEDA JRA, LVR	Bridge No. 170.65 Stone Arch over Cement Hollow Run	Section of stone wall bulging – monitoring; parapet separating from arch ring – monitoring.	\$0.1	Clinton, Lycoming	2, 3
	SEDA JRA, LVR	Bridge No. 174.48 over Pine Run	South abutment concrete spall	<\$0.1	Clinton, Lycoming	2, 3
	SEDA JRA, LVR	Bridge No. 193.42 – Stone Arch	Wing Walls stone repair	<\$0.1	Clinton, Lycoming	2, 3
	SEDA JRA, LVR	Bridge No. 168.67 over Lawshe Run and roadway	Remove vegetation from wing walls; repoint open stone masonry	<\$0.1	Clinton, Lycoming	2, 3
	SEDA JRA, LVR	Bridge No. 201.34 – Double Box Rail Top over Cemetery Run	Insert new pipe in each box	<\$0.1	Clinton, Lycoming	2, 3
	SEDA JRA, LVR	Bridge No. 171.46	Open stone masonry joints	TBD	Clinton, Lycoming	2, 3
	SEDA JRA, LVR	Bridge No. 175.62	Open stone masonry joints	TBD	Clinton, Lycoming	2, 3
	SEDA JRA, LVR	Bridge No. 177.20	Open stone masonry joints	TBD	Clinton, Lycoming	2, 3
	SEDA JRA, LVR	Great Stream Commons Business Park Access	Improve rail service to the Great Stream Commons business park in northern Union County, and extend the line to service the Timber Run industrial park in Lycoming County.	TBD	Clinton, Lycoming	2, 3
	SEDA JRA, MCIDC	MCIDC Plaza and Mifflin County Industrial Park Improvements	Establish road crossing and rehabilitate internal tracks and docks	\$0.2	Mifflin	2

Table D-1: Freight Project List, cont.

Project Number	Railroad / Corridor	Project	Project Description	Estimated Cost (in millions of 2015 dollars)	Primary County	PennDOT District
	SEDA JRA, NBER	Bridge replacement	Bridge replacement	\$7.9	Clinton	2
	SEDA JRA, NBER	Bridge No. 33.84 – Deck Girder with Ballast Deck	Remove dead load, Raise Bridge, Replace concrete deck with open timber deck	\$2.0	Blair, Centre, Clinton	2,9
	SEDA JRA, NBER	Access improvements	Improve access to First Quality Tissue	\$0.5	Clinton	2
	SEDA JRA, NBER	Bridge No. 51.21 – Thru-Girder	Steel repairs	\$0.3	Blair, Centre, Clinton	2,9
	SEDA JRA, NBER	Bridge No. 0.05 – Five Span over the Little Juniata	Walkway protection canopy replacement; east end bearing elevation correction; new Timber tie deck	\$0.3	Blair, Centre, Clinton	2,9
	SEDA JRA, NBER	Bridge No. 0.24 – Single Span over 10th Street	Walkway protection canopy replacement each side; bridge raise; steel repairs; east stone approach raise	\$0.3	Blair, Centre, Clinton	2,9
	SEDA JRA, NBER	Bridge No. 6.79 – Thru-Girder with Timber Ballast Deck	Replace timber deck, Steel repairs	\$0.3	Blair, Centre, Clinton	2,9
	SEDA JRA, NBER	Yard Track and Main Line Embankment	Yard track and main line embankment	\$0.3	Blair, Centre, Clinton	2,9
	SEDA JRA, NBER	Bridge No. 6.17 – Thru-Girder with Timber Ballast Deck	Replace timber deck and raise	\$0.2	Blair, Centre, Clinton	2,9
	SEDA JRA, NBER	Bridge raise	Bridge No. 20.67 – Thru-Girder over Williams Run	\$0.2	Blair, Centre, Clinton	2,9
	SEDA JRA, NBER	Bridge raise	Bridge No. 24.68 – Thru-Girder over Dix Run	\$0.2	Blair, Centre, Clinton	2,9
	SEDA JRA, NBER	Bridge raise	Bridge No. 25.75 – Thru-Girder over Dewitts Run	\$0.2	Blair, Centre, Clinton	2,9
	SEDA JRA, NBER	Bridge maintenance	Bridge No. 9.76 – Concrete Slab: Bridge repairs to underside of slab.	\$0.2	Blair, Centre, Clinton	2,11



Table D-1: Freight Project List, cont.

Project Number	Railroad / Corridor	Project	Project Description	Estimated Cost (in millions of 2015 dollars)	Primary County	PennDOT District
	SEDA JRA, NBER	Bridge No. 33.84 – Deck Girder with Ballast Deck	Repair pier bearing; replace expansion shoes with rockers; temporary repair ballast deck over piers.	\$0.2	Blair, Centre, Clinton	2,9
	SEDA JRA, NBER	Bridge No. 32.11 – Single Span IB with Wood Timber Deck	Replace timber ballast deck and beams with concrete slab	\$0.2	Blair, Centre, Clinton	2,9
	SEDA JRA, NBER	Bridge No. 33.65 – Concrete Slab	Bridge Repairs	\$0.1	Blair, Centre, Clinton	2,9
	SEDA JRA, NBER	Bridge No. 34.05 – Single Span over Logan Branch	Steel Repairs; Stone Masonry Pointing with back wall.	\$0.1	Blair, Centre, Clinton	2,9
	SEDA JRA, NBER	Bridge No. 22.55 – Concrete Slab	Concrete repairs	\$0.1	Blair, Centre, Clinton	2,9
	SEDA JRA, NBER	Bridge No. 33.79 – Four (4) Span over Spring Creek	Raise all spans 3"	\$0.1	Blair, Centre, Clinton	2,9
	SEDA JRA, NBER	Bridge No. 33.97 – Deck Girder	Realign span and replace tie deck	\$0.1	Blair, Centre, Clinton	2,9
	SEDA JRA, NBER	Bridge No. 33.10 – Two Span Concrete Slab	Bridge repairs to pier and abutment faces, repairs to slab parapets, Handrail repairs	<\$0.1	Blair, Centre, Clinton	2,9
	SEDA JRA, NBER	Bridge maintenance	Bridge No. 11.96 – Concrete Slab: Raise parapets	<\$0.1	Blair, Centre, Clinton	2,9
	SEDA JRA, NBER	Bridge maintenance	Bridge No. 21.46 – Concrete Slab over Adams Creek: insert pipe, confirm drainage way at outlet	<\$0.1	Blair, Centre, Clinton	2,10
	SEDA JRA, NBER	Bridge No. 26.01 – Concrete Slab	Replace with Pipe	<\$0.1	Blair, Centre, Clinton	2,9
	SEDA JRA, NBER	Bridge No. 31.08 – Two Span over Bald Eagle Creek	Stone masonry repointing, Stringer bearing pedestal repairs and anchoring	<\$0.1	Blair, Centre, Clinton	2,9

Table D-1: Freight Project List, cont.

Project Number	Railroad / Corridor	Project	Project Description	Estimated Cost (in millions of 2015 dollars)	Primary County	PennDOT District
	SEDA JRA, NSRR	Bloomsburg Yard Stabilization Wall	Bloomsburg yard stabilization wall	\$1.3	Columbia, Montour, Northumberland	3
	SEDA JRA, NSRR	Bridge No. 195.88 – Stone Arch	Replace and realign	\$0.4	Columbia, Montour, Northumberland	3
	SEDA JRA, NSRR	Bridge No. 191.52 – Rupert	Embankment stabilization, Steel repairs, Concrete repairs, North end bearing repair for track profile	\$0.3	Columbia, Montour, Northumberland	3
	SEDA JRA, NSRR	Bridge No. 211.27 – Deck Girder	Replace ties, Spot paint steel	\$0.3	Columbia, Montour, Northumberland	3
	SEDA JRA, NSRR	Bridge Repairs to Series of Similar Concrete Slab Bridges	3 Bridges Repairs	\$0.3	Columbia, Montour, Northumberland	3
	SEDA JRA, NSRR	Bridge No. 196.75	Bridge repairs	\$0.2	Columbia, Montour, Northumberland	3
	SEDA JRA, NSRR	Bridge No. 196.89	Bridge repairs	\$0.2	Columbia, Montour, Northumberland	3
	SEDA JRA, NSRR	Bridge No. 209.99	Bridge repairs	\$0.2	Columbia, Montour, Northumberland	3
	SEDA JRA, NSRR	Bridge No. 204.90 – I-beam	Replace with box culvert, Raise track profile	\$0.2	Columbia, Montour, Northumberland	3
	SEDA JRA, NSRR	Bridge No. 186.18 – Single Span I-beam	Replace with concrete box, Raise track profile	\$0.1	Columbia, Montour, Northumberland	3
	SEDA JRA, NSRR	Bridge No. 194.07 – Catawissa	Replace with box culvert and realign stream	\$0.1	Columbia, Montour, Northumberland	3



Table D-1: Freight Project List, cont.

Project Number	Railroad / Corridor	Project	Project Description	Estimated Cost (in millions of 2015 dollars)	Primary County	PennDOT District
	SEDA JRA, NSRR	Bridge No. 180.55 – Deck Girder	Stone masonry repairs	\$0.1	Columbia, Montour, Northumberland	3
	SEDA JRA, NSRR	Bridge No. 192.01 – Rail Top	Retaining wall north of bridge, Bridge repairs	<\$0.1	Columbia, Montour, Northumberland	3
	SEDA JRA, SVRR	Bridge No. 154.84 – Three Span Deck Girder	Ballast deck waterproofing, Parapet and bridge repairs	\$0.7	Northumberland	3
	SEDA JRA, SVRR	Bridge No. 155.22 – Four Span Deck Girder	Timber tie deck, Stone masonry repairs	\$0.4	Northumberland	3
	SEDA JRA, SVRR	Drainage Improvement for 1-mile from Tipple	Drainage improvement for 1-mile from tipple	\$0.3	Northumberland	3
	SEDA JRA, SVRR	Bridge No. 14.95 – Three Span Thru-Girder	Rebuild tops of piers and abutment bridge seats, Stabilize foundation of north abutment, Replace timber tie deck	\$0.2	Northumberland	3
	SEDA JRA, SVRR	Bridge No. 22.50 – Pipe	Fill in void between pipe and old rail top	\$0.2	Northumberland	3
	SEDA JRA, SVRR	Bridge No. 17.39 – Concrete Slab	Stone masonry repairs	\$0.1	Northumberland	3
	SEDA JRA, SVRR	Bridge No. 152.95 – Concrete Slab	Rebuild one wing wall	\$0.1	Northumberland	3
	SEDA JRA, SVRR	Bridge No. 151.29 – Concrete Slab	New timber parapet wall	<\$0.1	Northumberland	3
	SEDA JRA, SVRR	Bridge No. 146.24 – Concrete Slab	Repair parapet	\$0.0	Northumberland	3
	SHRR	Phase 1	Expansion and capital improvement plan to bring critical sections of track up to Class I standards	\$2.8	Dauphin	8
	SHRR	Phase 2	Rail shipping areas, heat treat area and primary running track to NS interchange	\$2.8	Dauphin	8

Table D-1: Freight Project List, cont.

Project Number	Railroad / Corridor	Project	Project Description	Estimated Cost (in millions of 2015 dollars)	Primary County	PennDOT District
	SHRR	Phase 3	Tracks supporting 20" mill area, diesel servicing and repair area and Route 230 bridge and track segments leading to the Harsco plant	\$2.8	Dauphin	8
	SHRR	Phase 4	Switching and storage yards for rails and other material. Switching and staging track for weld plant and pipe mill	\$2.8	Dauphin	8
	SRC	Infrastructure Improvements	Rehabilitation of portions of mainline and sidings to continuously handle modern freight traffic and lading. Siding capacity in E. Strasburg yard is also being increased for capacity and through-put.	TBD	Lancaster	8
	SRC	Track Expansion	Line-side developments and developing and laying track to adjacent commercial real estate in Leaman Place and Strasburg, and other nearby parcels that are within reach of its yards.	TBD	Lancaster	8
	SRC	Grade crossing improvements	Rehabilitation of two highway grade crossings	TBD	Lancaster	8
	SWP	Capacity Improvements	Expand yard capacity at north and south end to handle increased volume of sand traffic	\$3.0	Fayette, Westmoreland	12
	UMP	Retaining Wall	Build retaining wall	\$0.8	Montgomery	6
	UMP	Ties	2,500 Ties	\$0.3	Montgomery	6
	UMP	Rebuild Track	1,500 feet of track	\$0.2	Montgomery	6
	UMP	Turnouts	4 turnouts	\$0.2	Montgomery	6
	UMP	Rebuild Track	Replace 1,250 feet of rail	\$0.1	Montgomery	6
	UMP	Switch Timbers	125 switch timbers	<\$0.1	Montgomery	6
93234	Various	Shenango Valley Area Transportation Study RR Line Item - 2016	2016 Railroad Reserve for the SVTS MPO on various routes in various municipalities	\$0.2	Mercer	1



Table D-1: Freight Project List, cont.

Project Number	Railroad / Corridor	Project	Project Description	Estimated Cost (in millions of 2015 dollars)	Primary County	PennDOT District
93232	Various	Shenango Valley Area Transportation Study RR Line Item - 2015	2015 Railroad Reserve for the SVTS MPO on various routes in various municipalities	\$0.2	Mercer	1
	Various	Southwest PA Rail Rehabilitation Program	Renovation of short line rail system to connect industrial sites to Class I carriers	TBD	Fayette	12
	WNYP	Bridges Replacement	Replacement of the three Oil City Branch bridges	\$6.5	Venango	1
	WNYP	Crossties and Siding	Replacement of crossties and siding on 38 miles of the Buffalo Main Line, Port Allegany to No. Driftwood	\$4.2	Erie McKean	1,2
	WNYP	Crossties and Siding	Replacement of crossties and siding on 58 miles of the Freight Main Line, Meadville to NY State Line	\$2.5	Crawford, Erie	1
	WNYP	Crossties and Siding	Replacement of crossties on 20 miles of the Oil City Branch, from Banks to Sugarcreek	\$2.5	Venango	1
	WNYP	Crossties and Siding	Replacement of crossties and siding on 17.7 miles of the Buffalo Main Line, State Line to Port Allegany	\$2.3	Erie McKean	1,2
	WNYP	Bridge Replacement	Replace through-truss bridge FV-1.20 on the Farmers Valley Branch	\$2.0	McKean	2
	WNYP	Continuous Welded Rail	Replace 5 miles rail with Continuous Welded Rail on the Freight Main Line	\$2.0	Crawford, Erie	1
	WNYP	Culverts and Drainage Improvements	Culverts and Drainage Improvements on the Oil City Branch	\$0.8	Venango	1
	WNYP	Run-around Track	Build runaround track at Farm on the Farmers Valley Branch	\$0.8	McKean	2
	WNYP	Bridge Rehabilitation	Rehab 350 feet of timber approaches to a through-truss bridge in Eldred.	\$0.7	McKean	2

Table D-1: Freight Project List, cont.

Project Number	Railroad / Corridor	Project	Project Description	Estimated Cost (in millions of 2015 dollars)	Primary County	PennDOT District
	WNYP	Culverts and Drainage Improvements	Culverts and Drainage Improvements on the Buffalo Main Line	\$0.5	Erie McKean	1,2
	WNYP	Culverts and Drainage Improvements	Culverts and Drainage Improvements on the Farmers Valley Branch	\$0.5	McKean	2
	WNYP	Crossties and Siding	Replacement of crossties and siding at the Meadville Yard on the Freight Main Line	\$0.3	Crawford, Erie	1
	WNYP	Crossties and Siding	Replacement of crossties and siding on 5 miles between Rouseville Industrial Track and McClintock Yard	\$0.3	Venango	1
	WNYP	Crossties and Siding	Replacement of crossties and siding on 3 miles of the South Side Branch	\$0.2	Venango	1
	WNYP	Crossties and Siding	Replacement of crossties and siding on the Farmers Valley Branch, 1 mile MP FV 5.0 to 6.0	\$0.1	McKean	2
	WNYP	Double-stack clearance	Double-stack height limitation bridge: Valastiak Road Bridge over Western New York & Pennsylvania Railroad in Freehold Township, Warren County.	TBD	Warren	1
	WNYP	WNYP and BPRR consolidation	Consolidation of parallel rail lines of the WNYP and Buffalo & Pittsburgh (former A&E) for a distance of either 3 or 13 miles between Corry and Union City. A significant number of grade crossings would also be eliminated along this corridor.	TBD	Erie	1
	YRC	Northwest Triangle Initiative	Re-route rail lines in York, PA for economic development purposes	\$7.5	York	8
	YRC	Rail replacement	Replace and upgrade main line consisting of 16 miles of 100 pound rail to 115 pound or larger	\$5.7	York	8



Table D-1: Freight Project List, cont.

Project Number	Railroad / Corridor	Project	Project Description	Estimated Cost (in millions of 2015 dollars)	Primary County	PennDOT District
	YRC	Rail Replacement	Replace and upgrade main line consisting of 16 miles of 100 pound rail to 115 pound or larger	\$2.8	York	8
	YRC	Upgrade Poor House Yard	Upgrade 9 turnouts and 11,000 feet of track serving as key interchange yard to Class 1	\$2.0	York	8
	YRC	Construction of YRC Loco Maintenance Shop	Replacement of old facility due to deteriorating and unsafe conditions	\$1.5	York	8
	YRC	Grade crossing improvements	Replace Market, Philadelphia and Pershing Road Crossings and signal systems due to failing surface, ties, rail, gauge and old signal circuitry	\$1.0	York	8
	YRC	Expansion of Storage Capacity at DCP Midstream	Increase storage capacity of current propane customer	\$0.8	York	8
	YRC	Upgrade two Storage Side Tracks	Upgrade 2 - 1,500 foot storage tracks and 3 turnouts with larger rail, rail fixtures and ties to support current customer growth demands	\$0.5	York	8
Total Class III / Short Lines				\$319.6		
Total 2015-2040 Freight Rail Projects				\$1,955.4		

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