

UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549
FORM 10-Q

☒ QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934
For the quarterly period ended **June 30, 2024**

☐ TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934
For the transition period from _____ to _____

Commission File Number: 1-8339



NORFOLK SOUTHERN CORPORATION

(Exact name of registrant as specified in its charter)

Virginia

52-1188014

(State or other jurisdiction of incorporation or organization)

(I.R.S. Employer Identification No.)

650 West Peachtree Street NW

Atlanta, Georgia

30308-1925

(Address of principal executive offices)

(Zip Code)

(855) 667-3655

(Registrant's telephone number, including area code)

No change

(Former name, former address and former fiscal year, if changed since last report)

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Trading Symbol	Name of each exchange on which registered
Norfolk Southern Corporation Common Stock (Par Value \$1.00)	NSC	New York Stock Exchange

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes ☒ No ☐

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). Yes ☒ No ☐

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer ☒ Accelerated filer ☐ Non-accelerated filer ☐ Smaller reporting company ☐ Emerging growth company ☐

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act. ☐

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes ☐ No ☒

Indicate the number of shares outstanding of each of the issuer's classes of common stock, as of the latest practicable date.

<u>Class</u>	<u>Outstanding at June 30, 2024</u>
Common Stock (\$1.00 par value per share)	226,096,433 (excluding 20,320,777 shares held by the registrant's consolidated subsidiaries)

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PART I. FINANCIAL INFORMATION

Item 1. Financial Statements

Norfolk Southern Corporation and Subsidiaries Consolidated Statements of Income (Unaudited)

	Second Quarter		First Six Months	
	2024	2023	2024	2023
	(\$ in millions, except per share amounts)			
Railway operating revenues	\$ 3,044	\$ 2,980	\$ 6,048	\$ 6,112
Railway operating expenses				
Compensation and benefits	700	693	1,436	1,383
Purchased services and rents	516	506	1,044	1,002
Fuel	257	263	541	578
Depreciation	335	321	672	642
Materials and other	173	205	388	417
Restructuring and other charges	(3)	—	96	—
Eastern Ohio incident	(65)	416	527	803
Total railway operating expenses	1,913	2,404	4,704	4,825
Income from railway operations	1,131	576	1,344	1,287
Other income – net	17	57	35	113
Interest expense on debt	204	170	405	345
Income before income taxes	944	463	974	1,055
Income taxes	207	107	184	233
Net income	<u>\$ 737</u>	<u>\$ 356</u>	<u>\$ 790</u>	<u>\$ 822</u>
Earnings per share				
Basic	\$ 3.26	\$ 1.56	\$ 3.49	\$ 3.61
Diluted	3.25	1.56	3.48	3.60

See accompanying notes to consolidated financial statements.

Norfolk Southern Corporation and Subsidiaries
Consolidated Statements of Comprehensive Income
(Unaudited)

	Second Quarter		First Six Months	
	2024	2023	2024	2023
	(\$ in millions)			
Net income	\$ 737	\$ 356	\$ 790	\$ 822
Other comprehensive loss, before tax:				
Pension and other postretirement expense	(11)	(6)	(13)	(11)
Other comprehensive income of equity investees	1	1	1	—
	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Other comprehensive loss, before tax	(10)	(5)	(12)	(11)
Income tax benefit related to items of other comprehensive loss	2	1	2	3
	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Other comprehensive loss, net of tax	(8)	(4)	(10)	(8)
	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Total comprehensive income	<u>\$ 729</u>	<u>\$ 352</u>	<u>\$ 780</u>	<u>\$ 814</u>

See accompanying notes to consolidated financial statements.

Norfolk Southern Corporation and Subsidiaries
Consolidated Balance Sheets
(Unaudited)

	June 30, 2024	December 31, 2023
	(\$ in millions)	
Assets		
Current assets:		
Cash and cash equivalents	\$ 659	\$ 1,568
Accounts receivable – net	1,189	1,147
Materials and supplies	308	264
Other current assets	148	292
Total current assets	2,304	3,271
Investments	3,812	3,839
Properties less accumulated depreciation of \$ 13,630 and \$ 13,265 , respectively	35,280	33,326
Other assets	1,162	1,216
Total assets	\$ 42,558	\$ 41,652
Liabilities and stockholders' equity		
Current liabilities:		
Accounts payable	\$ 1,535	\$ 1,638
Short-term debt	400	—
Income and other taxes	208	262
Other current liabilities	1,269	728
Current maturities of long-term debt	255	4
Total current liabilities	3,667	2,632
Long-term debt	16,937	17,175
Other liabilities	1,747	1,839
Deferred income taxes	7,228	7,225
Total liabilities	29,579	28,871
Stockholders' equity:		
Common stock \$ 1.00 per share par value, 1,350,000,000 shares authorized; outstanding 226,096,433 and 225,681,254 shares, respectively, net of treasury shares	227	227
Additional paid-in capital	2,208	2,179
Accumulated other comprehensive loss	(330)	(320)
Retained income	10,874	10,695
Total stockholders' equity	12,979	12,781
Total liabilities and stockholders' equity	\$ 42,558	\$ 41,652

See accompanying notes to consolidated financial statements.

Norfolk Southern Corporation and Subsidiaries
Consolidated Statements of Cash Flows
(Unaudited)

	First Six Months	
	2024	2023
	<i>(\$ in millions)</i>	
Cash flows from operating activities		
Net income	\$ 790	\$ 822
Reconciliation of net income to net cash provided by operating activities:		
Depreciation	672	642
Deferred income taxes	5	(35)
Gains and losses on properties	(25)	(25)
Changes in assets and liabilities affecting operations:		
Accounts receivable	(43)	57
Materials and supplies	(44)	(19)
Other current assets	57	36
Current liabilities other than debt	596	460
Other – net	(133)	(92)
Net cash provided by operating activities	1,875	1,846
Cash flows from investing activities		
Property additions	(1,125)	(948)
Acquisition of assets of CSR	(1,643)	—
Property sales and other transactions	70	61
Investment purchases	(206)	(6)
Investment sales and other transactions	337	152
Net cash used in investing activities	(2,567)	(741)
Cash flows from financing activities		
Dividends	(610)	(615)
Common stock transactions	(5)	(9)
Purchase and retirement of common stock	—	(303)
Proceeds from borrowings	600	724
Debt repayments	(202)	(802)
Net cash used in financing activities	(217)	(1,005)
Net increase (decrease) in cash and cash equivalents	(909)	100
Cash and cash equivalents		
At beginning of year	1,568	456
At end of period	\$ 659	\$ 556
Supplemental disclosures of cash flow information		
Cash paid during the period for:		
Interest (net of amounts capitalized)	\$ 373	\$ 318
Income taxes (net of refunds)	107	315

See accompanying notes to consolidated financial statements.

Norfolk Southern Corporation and Subsidiaries
Consolidated Statements of Changes in Stockholders' Equity
(Unaudited)

	Common Stock	Additional Paid-in Capital	Accum. Other Comprehensive Loss	Retained Income	Total
	(\$ in millions, except per share amounts)				
Balance at December 31, 2023	\$ 227	\$ 2,179	\$ (320)	\$ 10,695	\$ 12,781
Comprehensive income:					
Net income				53	53
Other comprehensive loss			(2)		(2)
Total comprehensive income					51
Dividends on common stock, \$ 1.35 per share				(305)	(305)
Stock-based compensation		9			9
Balance at March 31, 2024	227	2,188	(322)	10,443	12,536
Comprehensive income:					
Net income				737	737
Other comprehensive loss			(8)		(8)
Total comprehensive income					729
Dividends on common stock, \$ 1.35 per share				(305)	(305)
Stock-based compensation		20		(1)	19
Balance at June 30, 2024	\$ 227	\$ 2,208	\$ (330)	\$ 10,874	\$ 12,979

See accompanying notes to consolidated financial statements.

Norfolk Southern Corporation and Subsidiaries
Consolidated Statements of Changes in Stockholders' Equity
(Unaudited)

	Common Stock	Additional Paid-in Capital	Accum. Other Comprehensive Loss	Retained Income	Total
	(\$ in millions, except per share amounts)				
Balance at December 31, 2022	\$ 230	\$ 2,157	\$ (351)	\$ 10,697	\$ 12,733
Comprehensive income:					
Net income				466	466
Other comprehensive loss			(4)		(4)
Total comprehensive income					462
Dividends on common stock, \$ 1.35 per share				(307)	(307)
Share repurchases	(1)	(6)		(156)	(163)
Stock-based compensation		4		(2)	2
Balance at March 31, 2023	229	2,155	(355)	10,698	12,727
Comprehensive income:					
Net income				356	356
Other comprehensive loss			(4)		(4)
Total comprehensive income					352
Dividends on common stock, \$ 1.35 per share				(308)	(308)
Share repurchases	(1)	(4)		(135)	(140)
Stock-based compensation		9			9
Balance at June 30, 2023	\$ 228	\$ 2,160	\$ (359)	\$ 10,611	\$ 12,640

See accompanying notes to consolidated financial statements.

Norfolk Southern Corporation and Subsidiaries
Notes to Consolidated Financial Statements
(Unaudited)

In the opinion of management, the accompanying unaudited interim consolidated financial statements contain all adjustments (consisting of normal recurring accruals) necessary to present fairly Norfolk Southern Corporation (Norfolk Southern) and subsidiaries' (collectively, NS, we, us, and our) financial position at June 30, 2024 and December 31, 2023, our results of operations, comprehensive income and changes in stockholders' equity for the second quarters and first six months of 2024 and 2023, and our cash flows for the first six months of 2024 and 2023 in conformity with U.S. Generally Accepted Accounting Principles (GAAP).

These consolidated financial statements should be read in conjunction with the consolidated financial statements and notes included in our latest Annual Report on Form 10-K.

1. Railway Operating Revenues

The following table disaggregates our revenues by major commodity group:

	Second Quarter		First Six Months	
	2024	2023	2024	2023
	(\$ in millions)			
Merchandise:				
Agriculture, forest and consumer products	\$ 622	\$ 627	\$ 1,251	\$ 1,280
Chemicals	532	503	1,059	1,044
Metals and construction	440	415	870	815
Automotive	310	281	587	565
Merchandise	1,904	1,826	3,767	3,704
Intermodal	742	745	1,487	1,559
Coal	398	409	794	849
 Total	 \$ 3,044	 \$ 2,980	 \$ 6,048	 \$ 6,112

We recognize the amount of revenues to which we expect to be entitled for the transfer of promised goods or services to customers. A performance obligation is created when a customer under a transportation contract or public tariff submits a bill of lading to us for the transport of goods. These performance obligations are satisfied as the shipments move from origin to destination. As such, transportation revenues are recognized proportionally as a shipment moves, and related expenses are recognized as incurred. These performance obligations are generally short-term in nature with transit days averaging approximately one week or less for each commodity group. The customer has an unconditional obligation to pay for the service once the service has been completed. Estimated revenues associated with in-process shipments at period-end are recorded based on the estimated percentage of service completed. We had no material remaining performance obligations at June 30, 2024 and December 31, 2023.

We may provide customers ancillary services, such as switching, demurrage and other incidental activities, under their transportation contracts. The revenues associated with these distinct performance obligations are recognized when the services are performed or as contractual obligations are met. These revenues are included within each of the commodity groups and represent approximately 4 % of total "Railway operating revenues" on the Consolidated Statements of Income for the second quarters of 2024 and 2023 and first six months of 2024, and 5 % for the first six months of 2023.

Revenues related to interline transportation services that involve another railroad are reported on a net basis. Therefore, the portion of the amount that relates to another party is not reflected in revenues.

Under the typical terms of our freight contracts, payment for services is due within fifteen days of billing the customer, thus there are no significant financing components. "Accounts receivable – net" on the Consolidated Balance Sheets includes both customer and non-customer receivables as follows:

	June 30, 2024	December 31, 2023
	(\$ in millions)	
Customer	\$ 829	\$ 882
Non-customer	360	265
Accounts receivable – net	<u>\$ 1,189</u>	<u>\$ 1,147</u>

Non-customer receivables include non-revenue-related amounts due from other railroads, governmental entities, and others. We do not have any material contract assets or liabilities at June 30, 2024 and December 31, 2023.

2. Stock-Based Compensation

	Second Quarter		First Six Months	
	2024	2023	2024	2023
	(\$ in millions)			
Stock-based compensation expense	\$ 13	\$ 11	\$ 32	\$ 22
Total tax benefit	3	3	8	9

During 2024, we granted stock options, restricted stock units (RSUs) and performance share units (PSUs) pursuant to the Long-Term Incentive Plan (LTIP), as follows:

	Second Quarter		First Six Months	
	Granted	Weighted-Average Grant-Date Fair Value	Granted	Weighted-Average Grant-Date Fair Value
Stock options	8,090	\$ 83.48	72,430	\$ 80.08
RSUs	29,941	240.18	226,509	234.61
PSUs	5,420	248.86	58,020	259.02

Stock Options

	Second Quarter		First Six Months	
	2024	2023	2024	2023
	(\$ in millions)			
Options exercised	17,757	10,461	114,974	77,272
Cash received upon exercise	\$ 2	\$ 1	\$ 11	\$ 6
Related tax benefits realized	—	—	3	3

Restricted Stock Units

RSUs granted primarily have a four-year ratable restriction period and will be settled through the issuance of shares of Norfolk Southern common stock (Common Stock). Certain RSU grants include cash dividend equivalent payments during the restriction period in an amount equal to the regular quarterly dividends paid on Common Stock.

	Second Quarter		First Six Months	
	2024	2023	2024	2023
	(\$ in millions)			
RSUs vested	12,494	3,908	169,145	153,030
Common Stock issued net of tax withholding	9,016	2,811	117,266	107,419
Related tax benefits realized	\$ —	\$ —	\$ —	\$ 1

Performance Share Units

PSUs provide for awards based on the achievement of certain predetermined corporate performance goals at the end of a three-year cycle and are settled through the issuance of shares of Common Stock. All PSUs will earn out based on the achievement of performance conditions and some will also earn out based on a market condition. The market condition fair value was measured on the date of grant using a Monte Carlo simulation model. No PSUs were earned or paid out during the second quarters of 2024 and 2023.

	First Six Months	
	2024	2023
	(\$ in millions)	
PSUs earned	41,580	58,599
Common Stock issued net of tax withholding	26,056	40,255
Related tax benefits realized	\$ —	\$ —

3. Restructuring and Other Charges

During the first quarter of 2024, we commenced voluntary and involuntary separation programs to reduce our management workforce. Through these programs, approximately 350 management employees were separated from service by May 2024. "Restructuring and other charges" in the first six months includes \$ 61 million in "Total railway operating expenses" related to these programs, which primarily consists of separation payments to the impacted management employees.

Additionally, we evaluated the impact of these separation programs on our pension and other postretirement benefit plans, as further discussed in Note 11.

In March 2024, we appointed John Orr as Executive Vice President and Chief Operating Officer of the Company. "Restructuring and other charges" in the first six months also includes \$ 35 million of costs related to this appointment, including an agreement with his previous employer, Canadian Pacific Kansas City (CPKC), that resulted in a \$ 25 million payment and certain commercial considerations to CPKC in exchange for a waiver of his noncompete provisions.

4. Income Taxes

During the first six months of 2024, we recorded a \$ 27 million deferred income tax benefit as a result of a subsidiary restructuring.

5. Earnings Per Share

The following table sets forth the calculation of basic and diluted earnings per share:

	Basic		Diluted	
	Second Quarter			
	2024	2023	2024	2023
	(\$ in millions, except per share amounts, shares in millions)			
Net income	\$ 737	\$ 356	\$ 737	\$ 356
Dividend equivalent payments	(1)	—	(1)	—
Income available to common stockholders	\$ 736	\$ 356	\$ 736	\$ 356
Weighted-average shares outstanding	226.0	227.5	226.0	227.5
Dilutive effect of outstanding options and share-settled awards			0.4	0.5
Adjusted weighted-average shares outstanding			226.4	228.0
Earnings per share	\$ 3.26	\$ 1.56	\$ 3.25	\$ 1.56

	Basic		Diluted	
	First Six Months			
	2024	2023	2024	2023
	(\$ in millions, except per share amounts, shares in millions)			
Net income	\$ 790	\$ 822	\$ 790	\$ 822
Dividend equivalent payments	(2)	(1)	(2)	(1)
Income available to common stockholders	\$ 788	\$ 821	\$ 788	\$ 821
Weighted-average shares outstanding	225.9	227.6	225.9	227.6
Dilutive effect of outstanding options and share-settled awards			0.4	0.5
Adjusted weighted-average shares outstanding			226.3	228.1
Earnings per share	\$ 3.49	\$ 3.61	\$ 3.48	\$ 3.60

During the second quarters and first six months of 2024 and 2023, dividend equivalent payments were made to certain holders of stock options and RSUs. For purposes of computing basic earnings per share, dividend equivalent payments made to holders of stock options and RSUs were deducted from net income to determine income available to common stockholders. For purposes of computing diluted earnings per share, we evaluate on a grant-by-grant basis those stock options and RSUs receiving dividend equivalent payments under the two-class and treasury stock methods to determine which method is more dilutive for each grant. For those grants for which the two-class method was more dilutive, net income was reduced by dividend equivalent payments to determine income available to common stockholders. The dilution calculations exclude options having exercise prices exceeding the average market price of Common Stock as follows: 0.1 million in the second quarters and first six months ended June 30, 2024 and 2023.

6. Accumulated Other Comprehensive Loss

The changes in the cumulative balances of "Accumulated other comprehensive loss" reported in the Consolidated Balance Sheets consisted of the following:

	Balance at Beginning of Year	Net Income	Reclassification Adjustments	Balance at End of Period
	(\$ in millions)			
Six months ended June 30, 2024				
Pensions and other postretirement liabilities	\$ (292)	\$ (7)	\$ (4)	\$ (303)
Other comprehensive income (loss) of equity investees	(28)	1	—	(27)
	<u>\$ (320)</u>	<u>\$ (6)</u>	<u>\$ (4)</u>	<u>\$ (330)</u>
Six months ended June 30, 2023				
Pensions and other postretirement liabilities	\$ (319)	\$ —	\$ (8)	\$ (327)
Other comprehensive loss of equity investees	(32)	—	—	(32)
	<u>\$ (351)</u>	<u>\$ —</u>	<u>\$ (8)</u>	<u>\$ (359)</u>

7. Stock Repurchase Program

We did not repurchase any shares of Common Stock under our stock repurchase program in the first six months of 2024, while we repurchased and retired 1.3 million shares of Common Stock at a cost of \$ 305 million in the first six months of 2023, inclusive of excise taxes.

8. Investments

Investment in Conrail

Through a limited liability company, we and CSX Corporation (CSX) jointly own Conrail Inc. (Conrail), whose primary subsidiary is Consolidated Rail Corporation (CRC). We have a 58 % economic and 50 % voting interest in the jointly-owned entity, and CSX has the remainder of the economic and voting interests. Our investment in Conrail was \$ 1.7 billion at both June 30, 2024 and December 31, 2023.

CRC owns and operates certain properties (the Shared Assets Areas) for the joint and exclusive benefit of Norfolk Southern Railway Company (NSR) and CSX Transportation, Inc. (CSXT). The costs of operating the Shared Assets Areas are borne by NSR and CSXT based on usage. In addition, NSR and CSXT pay CRC a fee for access to the Shared Assets Areas. "Purchased services and rents" and "Fuel" include expenses payable to CRC for operation of the Shared Assets Areas totaling \$ 50 million and \$ 39 million for the second quarters of 2024 and 2023,

respectively, and \$ 102 million and \$ 84 million for the first six months of 2024 and 2023, respectively. Our equity in Conrail's earnings, net of amortization, was \$ 22 million and \$ 19 million for the second quarters of 2024 and 2023, respectively, and \$ 43 million and \$ 35 million for the first six months of 2024 and 2023, respectively. These amounts partially offset the costs of operating the Shared Assets Areas and are included in "Purchased services and rents."

"Other liabilities" includes \$ 534 million at both June 30, 2024 and December 31, 2023 for long-term advances from Conrail, maturing in 2050 that bear interest at an average rate of 1.31 %.

Investment in TTX

We and six other North American railroads collectively own TTX Company (TTX), a railcar pooling company that provides its owner-railroads with standardized fleets of intermodal, automotive, and general use railcars at stated rates. We have a 19.78 % ownership interest in TTX.

Expenses incurred for use of TTX equipment are included in "Purchased services and rents." These expenses amounted to \$ 74 million and \$ 69 million for the second quarters of 2024 and 2023, respectively, and \$ 148 million and \$ 135 million for the first six months of 2024 and 2023, respectively. Our equity in TTX's earnings partially offsets these costs and totaled \$ 14 million and \$ 12 million for the second quarters of 2024 and 2023, respectively, and \$ 27 million and \$ 21 million for the first six months of 2024 and 2023, respectively.

9. Acquisition of Assets of Cincinnati Southern Railway

On March 15, 2024, we completed the acquisition of a 337 mile railway line that extends from Cincinnati, Ohio to Chattanooga, Tennessee from the Cincinnati Southern Railway (CSR) for \$ 1.7 billion (of which \$ 0.1 billion was paid in 2023). We previously operated this line subject to an operating lease agreement, which was terminated upon the close of the transaction. The purchase price was allocated to the assets acquired in the transaction. The asset purchase is reflected in "Properties less accumulated depreciation" on the Consolidated Balance Sheet and is distinctly identified in the "Cash flows from investing activities" section of the Consolidated Statement of Cash Flows. The lease expense recognized pursuant to the previous operating lease agreement was \$ 6 million in the second quarter of 2023, and \$ 5 million and \$ 12 million for the first six months of 2024 and 2023, respectively.

10. Debt

In June 2024, we entered into an agreement that provides us the ability to issue up to \$ 800 million of unsecured commercial paper and is backed by our credit agreement. The unsecured short-term commercial paper program provides for borrowing at prevailing rates and includes covenants. At June 30, 2024, we had no outstanding commercial paper. During July 2024, we issued \$ 300 million of unsecured commercial paper.

In May 2024, we renewed our accounts receivable securitization program with a maximum borrowing capacity of \$ 400 million. Amounts under our accounts receivable securitization program are borrowed and repaid from time to time in the ordinary course for general corporate and cash management purposes. The term of our accounts receivable securitization program expires in May 2025. Amounts received under this facility are accounted for as borrowings. We had \$ 400 million (at an interest rate of 6.06 %) outstanding under this program at June 30, 2024, which is included within "Short-term debt", and no amounts outstanding under this program at December 31, 2023. We had fully utilized our borrowing capacity under the program at June 30, 2024, while we had \$ 400 million of available borrowing capacity at December 31, 2023. Our accounts receivable securitization program was supported by \$ 847 million and \$ 903 million in receivables at June 30, 2024 and December 31, 2023, respectively, which are included in "Accounts receivable – net". During July 2024, we repaid \$ 400 million that was outstanding under this program.

In January 2024, we renewed and amended our \$ 800 million credit agreement. The amended agreement expires in January 2029, and provides for borrowings at prevailing rates and includes covenants. We had no amounts

outstanding under this facility at either June 30, 2024 or December 31, 2023, and we are in compliance with all of its covenants.

In January 2024, we entered into a term loan credit agreement that established a 364-day , \$ 1.0 billion, unsecured delayed draw term loan facility under which we can borrow for general corporate purposes. The term loan credit agreement provides for borrowing at prevailing rates and includes covenants that align with the \$ 800 million credit agreement. We had no amounts outstanding under this facility at June 30, 2024. During July 2024, we extended the availability period of the term loan agreement. If left undrawn, the term loan will be available until October 2024.

11. Pensions and Other Postretirement Benefits

We have both funded and unfunded defined benefit pension plans covering eligible employees. We also provide specified health care benefits to eligible retired employees; these plans can be amended or terminated at our option. Under our self-insured retiree health care plan, for those participants who are not Medicare-eligible, certain health care expenses are covered for retired employees and their dependents, reduced by any deductibles, coinsurance, and, in some cases, coverage provided under other group insurance policies. Eligible retired participants and their spouses who are Medicare-eligible are not covered under the self-insured retiree health care plan, but instead are provided with an employer-funded health reimbursement account which can be used for reimbursement of health insurance premiums or eligible out-of-pocket medical expenses.

Pension and postretirement benefit cost components were as follows:

	Pension Benefits		Other Postretirement Benefits	
	Second Quarter			
	2024	2023	2024	2023
	(\$ in millions)			
Service cost	\$ 7	\$ 6	\$ 1	\$ 1
Interest cost	27	27	4	5
Expected return on plan assets	(51)	(52)	(3)	(3)
Amortization of net losses	4	1	—	—
Amortization of prior service benefit	—	—	(6)	(7)
Curtailment gain	—	—	(20)	—
Net benefit	\$ (13)	\$ (18)	\$ (24)	\$ (4)

	Pension Benefits		Other Postretirement Benefits	
	First Six Months			
	2024	2023	2024	2023
	(\$ in millions)			
Service cost	\$ 13	\$ 12	\$ 2	\$ 2
Interest cost	54	54	7	9
Expected return on plan assets	(102)	(104)	(6)	(6)
Amortization of net losses	8	2	—	—
Amortization of prior service benefit	—	—	(12)	(13)
Curtailment gain	—	—	(20)	—
Net benefit	\$ (27)	\$ (36)	\$ (29)	\$ (8)

The service cost component of defined benefit pension cost and postretirement benefit cost are reported within “Compensation and benefits” and all other components of net benefit cost are presented in “Other income – net” on the Consolidated Statements of Income.

During the first quarter of 2024, we commenced voluntary and involuntary separation programs to reduce our management workforce. Through these programs, approximately 350 management employees were separated from service by May 2024. In accordance with Financial Accounting Standards Board (FASB) Accounting Standard Codification (ASC) Topic 715, “*Compensation-Retirement Benefits*,” we evaluated whether a curtailment of our pension and other postretirement benefit plans had occurred. While the reduction in our workforce did not result in a curtailment to our pension benefit plans, a curtailment to our other postretirement benefit plan did occur as the future years of service of plan participants were reduced in excess of 10 %. As a result, we remeasured the other postretirement benefit obligation using a discount rate of 5.74 % and recorded an \$ 11 million reduction to the obligation. Additionally, we recognized a curtailment gain of \$ 20 million in the second quarter of 2024, the period in which the employees departed the Company, for the impacted portion of the prior service benefit previously recorded within accumulated other comprehensive loss.

12. Fair Values of Financial Instruments

The fair values of “Cash and cash equivalents,” “Accounts receivable – net,” “Accounts payable,” and “Short-term debt,” approximate carrying values because of the short maturity of these financial instruments. The carrying value of corporate-owned life insurance (COLI) is recorded at cash surrender value and, accordingly, approximates fair value. There are no other assets or liabilities measured at fair value on a recurring basis at June 30, 2024 or December 31, 2023. The carrying amounts and estimated fair values, based on Level 1 inputs, of long-term debt consist of the following:

	June 30, 2024		December 31, 2023	
	Carrying Amount	Fair Value	Carrying Amount	Fair Value
	(\$ in millions)			
Long-term debt, including current maturities	\$ (17,192)	\$ (15,695)	\$ (17,179)	\$ (16,631)

13. Commitments and Contingencies

Eastern Ohio Incident

Summary

On February 3, 2023, a train operated by us derailed in East Palestine, Ohio. The derailed equipment included 38 railcars, 11 of which were non-Company-owned tank cars containing hazardous materials. Fires associated with the derailment threatened certain tank cars. There was concern that the pressure inside of the tank cars carrying vinyl chloride was rising and that the pressure relief devices were no longer functioning properly, which would have posed the risk of a catastrophic explosion. As a consequence, on February 6, 2023, the local incident commander (the East Palestine Fire Chief)—in consultation with the incident command that included, among others, federal, state and local officials and Norfolk Southern—opted to conduct a controlled vent and burn of five derailed tank cars, all of which contained vinyl chloride. This procedure involved creating holes in the five tank cars to drain the vinyl chloride into adjacent trenches that had been dug into the ground where the vinyl chloride was ignited and burned. Any remaining materials released from the derailment or during the vent and burn have been or are being remediated. The February 3rd derailment, the associated fire, and the resulting vent and burn of the tank cars containing vinyl chloride on February 6th is hereinafter referred to as the “Incident.”

In response to the Incident, we have been working to clean the site safely and thoroughly, including those activities described in the Environmental Matters section below with respect to potentially impacted air, soil and water and to monitor for any impact on public health and the environment. We are working with federal, state, and local officials to mitigate impacts from the Incident, including, among other efforts, conducting environmental monitoring and clean-up activities (as more fully described below), operating a family assistance center to provide financial support to affected members of the East Palestine and surrounding communities, and committing additional financial support to the community.

Financial Impact

Although we cannot predict the final outcome or estimate the reasonably possible range of loss related to the Incident with certainty, we have accrued amounts for probable and reasonably estimable liabilities for those environmental and non-environmental matters described below. As of June 30, 2024 and December 31, 2023, our probable and reasonably estimable liabilities principally associated with environmental matters and legal proceedings were \$ 858 million and \$ 464 million, respectively, which are discussed in further detail below. These amounts represent the difference between the recognized expense and cash expenditures (net of insurance recoveries) related to the Incident as of each respective date. From the inception of the Incident, we have

recognized a total of \$ 1.6 billion in expenses directly attributable to the Incident, which included \$ 365 million of insurance recoveries from claims made under our insurance policies. We have also recorded a deferred tax asset of \$ 232 million and \$ 249 million at June 30, 2024 and December 31, 2023, respectively, related to the Incident expecting that certain expenses will be deductible for tax purposes in future periods or offset with insurance recoveries.

Certain costs incurred thus far and related to the Incident may be recoverable under our insurance policies in effect at the date of the Incident or from third parties. Any additional amounts recoverable under our insurance policies or from third parties will be reflected in future periods in which recovery is considered probable. For additional information about our insurance coverage, see "Insurance" below.

Environmental Matters – In response to the Incident, we have been working with federal, state, and local officials such as the U.S. Environmental Protection Agency (EPA), the Ohio EPA, the Pennsylvania Department of Environmental Protection (DEP), and the Columbiana County Health District to conduct environmental response and remediation activities, some of which have concluded and some which are continuing, including but not limited to, air monitoring, indoor air quality screenings, municipal water and private water well testing, residential, commercial, and agricultural soil sampling, surface water and groundwater sampling, re-routing a local waterway around the affected site, capturing and shipping stormwater that enters the impacted derailment site to proper disposal facilities, and excavating and disposing of potentially affected soil at hazardous waste landfills or incinerators. The U.S. EPA issued a Unilateral Administrative Order (UAO) on February 21, 2023, containing various requirements, including the submission of numerous work plans to assess and remediate various environmental media and performance of certain removal actions at the affected site. On February 24, 2023, we submitted to the U.S. EPA our Notice of Intent to Comply with the UAO and we continue to conduct environmental assessment and remediation, as required by U.S. EPA as well as the Ohio EPA and Pennsylvania DEP, pursuant to the UAO and the directives issued thereunder. On October 18, 2023, the U.S. EPA issued a second unilateral order under Section 311(c) of the Clean Water Act (CWA), requiring preparation of additional environmental work plans. We timely submitted our Notice of Intent to Comply with the CWA order and continue to complete environmental assessment and remediation as required by the U.S. EPA, as well as state agencies, in compliance with the CWA order. Once approved by the court, the proposed Consent Decree (discussed below) will supersede the UAO and CWA Order.

We are also subject to the following legal proceedings that principally relate to the environmental impact of the Incident:

- The U.S. Department of Justice (DOJ) filed a civil complaint on behalf of the U.S. EPA (the DOJ Complaint) in the Northern District of Ohio (Eastern Division) seeking injunctive relief and civil penalties for alleged violations of the CWA and cost recovery under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). The Ohio Attorney General (AG) also filed a lawsuit (the Ohio Complaint) in the Northern District of Ohio (Eastern Division) seeking damages for a variety of common law and environmental statutory claims under CERCLA and various state laws. The DOJ and Ohio AG cases have been consolidated for discovery purposes. We have filed an answer, and discovery is ongoing in the Ohio AG case. On June 30, 2023, we filed third-party claims against certain railcar defendants and shippers involved in the Incident. The Court dismissed the third party claims on March 6, 2024, and on March 26, 2024, we filed a motion requesting the Court to enter partial final judgment as to the third party claims. On May 23, 2024, DOJ and the Company reached a settlement to resolve all of the government's civil claims against the Company related to the Incident, and jointly lodged a proposed Consent Decree with the court. As proposed, the Consent Decree will require the Company to pay for the federal government's oversight costs of \$ 57 million through November 30, 2023 as well as additional oversight costs from December 1, 2023 until the remediation is complete. The proposed Consent Decree also requires the Company to pay a civil penalty of \$ 15 million for alleged violations of the CWA. Other provisions of the proposed Consent Decree relate to

injunctive relief for safety, community support, and environmental support, which provisions, if approved by the court, will be in effect between five years to twenty years. The proposed Consent Decree is subject to a mandatory public comment period and then will be subject to review by the judge, prior to entry of the Consent Decree. The Ohio AG did not join this settlement.

In accordance with FASB ASC 410-30 "*Environmental Liabilities*," as of June 30, 2024 and December 31, 2023, we had recognized probable and reasonably estimable liabilities in connection with the foregoing environmental matters of \$ 265 million and \$ 319 million, respectively, and which are primarily included in "Other current liabilities" on the Consolidated Balance Sheet. We recognized \$ 53 million and \$ 264 million of expense during the second quarters of 2024 and 2023, respectively, and \$ 113 million and \$ 581 million during the first six months of 2024 and 2023, respectively. We made \$ 80 million and \$ 177 million in payments during the second quarters of 2024 and 2023, respectively, and \$ 167 million and \$ 208 million during the first six months of 2024 and 2023, respectively, related to these matters. Our current estimate includes ongoing and future environmental cleanup activities and remediation efforts, governmental oversight costs (including those incurred by the U.S. EPA and the Ohio EPA), and other related costs, including those in connection with the proposed DOJ Consent Decree (including civil penalties related to alleged violations of the CWA). Our current estimates of future environmental cleanup and remediation liabilities related to the Incident may change over time due to various factors, including but not limited to, the nature and extent of required future cleanup and removal activities (including those resulting from soil, water, sediment, and air assessment and investigative activities that are currently being, and will continue to be, conducted at the site), and the extent and duration of governmental oversight, amongst other factors. As clean-up efforts progress and more information is available, we will review these estimates and revise as appropriate. Since the date of the Incident, we have recognized a total of \$ 949 million in expenses related to environmental matters, of which \$ 684 million has been paid.

Legal Proceedings and Claims (Non-Environmental) – To date, numerous non-environmental legal actions have commenced with respect to the Incident, including those more specifically set forth below.

- There is a consolidated putative class action pending in the Northern District of Ohio (Eastern Division) (the Ohio Class Action) in which plaintiffs allege various claims, including negligence, gross negligence, strict liability, and nuisance, and seeking as relief compensatory and punitive damages, medical monitoring and business losses. The putative class is defined by reference to a class area covering a 30 -mile radius. On July 12, 2023, we filed a third-party complaint bringing in multiple parties involved in the Incident. Fact discovery ended on February 5, 2024. The Court denied in part and granted in part all motions to dismiss, as to the plaintiffs' case and as to our third-party complaint, on March 13, 2024. On April 9, 2024, we announced that we reached an agreement in principle to settle the Ohio Class Action for \$ 600 million. The settlement agreement does not resolve, and expressly preserves, our third-party claims in the third-party complaint. The court granted preliminary approval of the settlement on May 21, 2024. The court will consider whether to grant final approval of the settlement on September 25, 2024. If approved by the court, the terms of the agreement will resolve all class action claims within a 20 -mile radius from the derailment and, for those residents who choose to participate, personal injury claims within a 10 -mile radius from the derailment. Subject to final court approval, payments to class members under the settlement could begin by the end of this year.

Another putative class action is pending in the Western District of Pennsylvania, brought by Pennsylvania school districts and students. On August 22, 2023, six Pennsylvania school districts and students filed a putative class action lawsuit alleging negligence, strict liability, nuisance, and trespass, and seeking damages and health monitoring. On December 8, 2023, the school districts amended their complaint to add additional companies as defendants in the action. On February 23, 2024, we and the other defendants filed motions to dismiss and those motions are fully briefed and currently pending before the court. Combined with the Ohio Class Action, these lawsuits are collectively referred to herein as the Incident Lawsuits.

In accordance with FASB ASC 450, "*Contingencies*," as of June 30, 2024 and December 31, 2023, we had accruals for probable and reasonably estimable liabilities principally associated with the Incident Lawsuits and related contingencies of \$ 644 million and \$ 82 million, respectively. For the reasons set forth below, our estimated loss or range of loss with respect to the Incident Lawsuits may change from time to time, and it is reasonably possible that we will incur actual losses in excess of the amounts currently accrued and such additional amounts may be material. While we continue to work with parties with respect to potential resolution, no assurance can be given that we will be successful in doing so and we cannot predict the outcome of these matters.

- We have received securities and derivative litigation and multiple shareholder document and litigation demand letters, including a securities class action lawsuit under the Securities Exchange Act of 1934 (Exchange Act) initially filed in the Southern District of Ohio alleging multiple securities law violations but since transferred to the Northern District of Georgia, a securities class action lawsuit under the Securities Act of 1933 (Securities Act) filed in the Southern District of New York alleging misstatements in association with our debt offerings, and six shareholder derivative complaints filed in Virginia state court asserting claims for breach of fiduciary duties, waste of corporate assets, and unjust enrichment in connection with safety of the Company's operations, among other claims (collectively, the Shareholder Matters). On February 2, 2024, defendants filed a motion to dismiss the complaint in the Securities Act lawsuit, the court held oral argument regarding the motion to dismiss on May 29, 2024, and a decision is pending. The plaintiffs filed an amended complaint in the Exchange Act lawsuit on April 25, 2024, and the defendants filed a motion to dismiss on June 24, 2024. No responsive pleadings have been filed yet with respect to the other Shareholder Matters.

With respect to the Incident-related litigation and regulatory matters, we record a liability for loss contingencies through a charge to earnings when we conclude that it is probable that a liability has been incurred and the amount of the liability can be reasonably estimated and disclose such liability if we conclude it to be material. Any adjustments to the recorded liability will be reflected in earnings in the periods in which such adjustments become known. Because the final outcome of any of these legal proceedings cannot be predicted with certainty, developments related to the progress of such legal proceedings or other unfavorable or unexpected developments or outcomes could result in additional costs or new or additionally accrued amounts that could be material to our results of operations in a particular year or quarter. In addition, if it is reasonably possible that we will incur Incident-related losses in excess of the amounts currently recorded as a loss contingency, we disclose the potential range of loss, if reasonably estimable, or we disclose that we cannot reasonably estimate such an amount at this time. For Incident-related litigation and regulatory matters where a loss may be reasonably possible, but not probable, or probable but not reasonably estimable, no accrual is established but the matter, if potentially material, is disclosed.

Our estimates of probable losses and reasonably possible losses are based upon currently available information and involve significant judgement and a variety of assumptions, given that (1) these legal and regulatory proceedings are in early stages; (2) discovery may not be completed; (3) damages sought in these legal and regulatory proceedings can be unsubstantiated or indeterminate; (4) there are often significant facts in dispute; and/or (5) there is a wide range of possible outcomes. Accordingly, our estimated range of loss with respect to these matters may change from time to time, and actual losses may exceed current estimates. At this time, we are unable to estimate the possible loss or range of loss in excess of the amounts accrued with respect to the matters described above.

The amounts recorded do not include any estimate of loss for which we believe a loss is either not probable or not reasonably estimable for any fines or penalties (in excess of the liabilities established for CWA-related civil penalties) that may be imposed as a result of the Incident Inquiries and Investigations, as more specifically set forth and defined below (the outcome of which are uncertain at this time).

Inquiries and Investigations

As set forth above, we are subject to inquiries and investigations by numerous federal, state, and local government authorities and regulatory agencies regarding the Incident, including but not limited to, the National Transportation Safety Board (NTSB), the Federal Railroad Administration (FRA), the Occupational Safety and Health Administration, the Ohio AG, and the Pennsylvania AG. Further details regarding the NTSB and FRA investigations are set forth below. We are cooperating with all inquiries and investigations, including responding to civil and criminal subpoenas and other requests for information (the aforementioned inquiries and investigations, as well as the civil and criminal subpoenas are collectively referred to herein as the Incident Inquiries and Investigations). Aside from the FRA Safety Assessment (defined and described below), the outcome of any current or future Incident Inquiries and Investigations is uncertain at this time, including any related fines, penalties or settlements. Therefore, our accruals for probable and reasonably estimable liabilities related to the Incident do not include estimates of the total amount that we may incur for any such fines, penalties or settlements.

Subsequent to the Incident, investigators from the NTSB examined railroad equipment and track conditions; reviewed data from the signal system, wayside defect detectors, local surveillance cameras, and the lead locomotive's event recorder and forward-facing and inward-facing image recorders; and completed certain interviews (the NTSB Investigation). The NTSB concluded its investigation and adopted a final investigative report on June 25, 2024, then issued the final public report on July 12, 2024. The NTSB found that the probable cause of the derailment was the failure of a bearing which overheated and caused the axle to separate, derailing the train and leading to a post-derailment fire. The NTSB issued over 30 recommendations, of which four were issued to Norfolk Southern. The NTSB continues to work on a safety culture investigation, and a report on this part of the investigation is expected to be issued by the fall of 2024.

Concurrent with the NTSB Investigation, the FRA also investigated the Incident. Similar in scope to the NTSB Investigation, the FRA examined railroad equipment, track conditions, hazardous materials train placement and routing, and emergency response (the FRA Incident Investigation). The FRA Incident Investigation will likely result in the assessment of civil penalties, though the amount and materiality of these penalties cannot be reasonably estimated at this time. In addition to the FRA Incident Investigation, the FRA completed a 60-day supplemental safety assessment (the FRA Safety Assessment). The FRA Safety Assessment included a review of findings from a previously completed 2022 system audit and an assessment of operational elements including, but not limited to: track, signal, and rolling stock maintenance, inspection and repair practices; protection of employees; communications between transportation departments and mechanical and engineering staff; operation control center procedures and dispatcher training. The overall scope of the FRA Safety Assessment was to examine our safety culture. The FRA issued a public report in early August 2023 which included its findings and related corrective actions. We have launched initiatives to implement all of these items, and will monitor progress on these initiatives going forward.

Other Commitments and Contingencies

Lawsuits

We and/or certain subsidiaries are defendants in numerous lawsuits and other claims relating principally to railroad operations. When we conclude that it is probable that a liability has been incurred and the amount of the liability can be reasonably estimated, it is accrued through a charge to earnings and, if material, disclosed below. While the ultimate amount of liability incurred in any of these lawsuits and claims is dependent on future developments, in our opinion, the recorded liability is adequate to cover the future payment of such liability and claims. However, the final outcome of any of these lawsuits and claims cannot be predicted with certainty, and unfavorable or unexpected outcomes could result in additional accruals that could be significant to results of operations in a particular year or quarter. Any adjustments to the recorded liability will be reflected in earnings in the periods in which such adjustments become known. For lawsuits and other claims where a loss may be reasonably possible, but not probable, or is probable but not reasonably estimable, no accrual is established but the matter, if potentially

material, is disclosed below. We routinely review relevant information with respect to our lawsuits and other claims and update our accruals, disclosures and estimates of reasonably possible loss based on such reviews.

In 2007, various antitrust class actions filed against us and other Class I railroads in various Federal district courts regarding fuel surcharges were consolidated in the District of Columbia by the Judicial Panel on Multidistrict Litigation. In 2012, the court certified the case as a class action. The defendant railroads appealed this certification, and the Court of Appeals for the District of Columbia vacated the District Court's decision and remanded the case for further consideration. On October 10, 2017, the District Court denied class certification. The decision was upheld by the Court of Appeals on August 16, 2019. Since that decision, various individual cases have been filed in multiple jurisdictions and also consolidated in the District of Columbia. We intend to vigorously defend the cases. We do not believe the outcome of these proceedings will have a material effect on our financial position, results of operations, or liquidity.

In 2018, a lawsuit was filed against one of our subsidiaries by the minority owner in a jointly-owned terminal railroad company in which our subsidiary has the majority ownership. The lawsuit alleged violations of various state laws and federal antitrust laws. On January 3, 2023, the court granted summary judgment to us on all of the compensatory claims but denied summary judgment for all equitable relief claims. On January 18, 2023, the court dismissed the federal equitable relief claims, leaving the state equitable relief claims as the sole remaining issue under consideration. On April 19, 2023, the court disposed of all remaining state equitable relief claims. The court's dismissals were appealed and the case is currently before the United States Court of Appeals for the Fourth Circuit. We will continue to vigorously defend the lawsuit and, although it is reasonably possible we could incur a loss in the case, we believe that we will prevail. However, given that litigation is inherently unpredictable and subject to uncertainties, there can be no assurances that the final outcome of the litigation (including the related appeal) will not be material. Until such appeal is final, we cannot reasonably estimate the potential loss or range of loss associated with this matter.

Casualty Claims

Casualty claims include employee personal injury and occupational claims as well as third-party claims, all exclusive of legal costs. To aid in valuing our personal injury liability and determining the amount to accrue with respect to such claims during the year, we utilize studies prepared by an independent consulting actuarial firm. Job-related personal injury and occupational claims are subject to the Federal Employer's Liability Act (FELA), which is applicable only to railroads. The variability inherent in FELA's fault-based tort system could result in actual costs being different from the liability recorded. While the ultimate amount of claims incurred is dependent on future developments, in our opinion, the recorded liability is adequate to cover the future payments of claims and is supported by the most recent actuarial study. In all cases, we record a liability when the expected loss for the claim is both probable and reasonably estimable.

Employee personal injury claims – Other than Incident-related matters noted above, the largest component of claims expense is employee personal injury costs. The independent actuarial firm we engage provides quarterly studies to aid in valuing our employee personal injury liability and estimating personal injury expense. The actuarial firm studies our historical patterns of reserving for claims and subsequent settlements, taking into account relevant outside influences. The actuarial firm provides the results of these analyses to aid in our estimate of the ultimate amount of liability. We adjust the liability quarterly based upon our assessment and the results of the study. The accuracy of our estimate of the liability is subject to inherent limitation given the difficulty of predicting future events such as jury decisions, court interpretations, or legislative changes. As a result, actual claim settlements may vary from the estimated liability recorded.

Occupational claims – Occupational claims include injuries and illnesses alleged to be caused by exposures which occur over time as opposed to injuries or illnesses caused by a specific accident or event. Types of occupational claims commonly seen allege exposure to asbestos and other claimed toxic substances resulting in respiratory diseases or cancer. Many such claims are being asserted by former or retired employees, some of whom have not been employed in the rail industry for decades. The independent actuarial firm provides an estimate of the

occupational claims liability based upon our history of claim filings, severity, payments, and other pertinent facts. The liability is dependent upon judgments we make as to the specific case reserves as well as judgments of the actuarial firm in the quarterly studies. Our estimate of ultimate loss includes a provision for those claims that have been incurred but not reported. This provision is derived by analyzing industry data and projecting our experience. We adjust the liability quarterly based upon our assessment and the results of the study. However, it is possible that the recorded liability may not be adequate to cover the future payment of claims. Adjustments to the recorded liability are reflected in operating expenses in the periods in which such adjustments become known.

Third-party claims – We record a liability for third-party claims including those for highway crossing accidents, trespasser and other injuries, property damage, and lading damage. The actuarial firm assists us with the calculation of potential liability for third-party claims, except lading damage, based upon our experience including the number and timing of incidents, amount of payments, settlement rates, number of open claims, and legal defenses. We adjust the liability quarterly based upon our assessment and the results of the study. Given the inherent uncertainty in regard to the ultimate outcome of third-party claims, it is possible that the actual loss may differ from the estimated liability recorded.

Environmental Matters

We are subject to various jurisdictions' environmental laws and regulations. We record a liability where such liability or loss is probable and reasonably estimable. Environmental specialists regularly participate in ongoing evaluations of all known sites and in determining any necessary adjustments to liability estimates.

In addition to environmental claims associated with the Incident, our Consolidated Balance Sheets include liabilities for other environmental exposures of \$ 58 million at June 30, 2024 and \$ 60 million at December 31, 2023, of which \$ 15 million is classified as a current liability at the end of both periods. At June 30, 2024, the liability represents our estimates of the probable cleanup, investigation, and remediation costs based on available information at 77 known locations and projects compared with 81 locations and projects at December 31, 2023. At June 30, 2024, twenty sites accounted for \$ 47 million of the liability, and no individual site was considered to be material. We anticipate that most of this liability will be paid out over five years ; however, some costs will be paid out over a longer period.

At eight locations, one or more of our subsidiaries in conjunction with a number of other parties have been identified as potentially responsible parties under CERCLA or comparable state statutes that impose joint and several liability for cleanup costs. We calculate our estimated liability for these sites based on facts and legal defenses applicable to each site and not solely on the basis of the potential for joint liability.

As set forth above, with respect to known environmental sites (whether identified by us or by the U.S. EPA or comparable state authorities), estimates of our ultimate potential financial exposure for a given site or in the aggregate for all such sites can change over time because of the widely varying costs of currently available cleanup techniques, unpredictable contaminant recovery and reduction rates associated with available cleanup technologies, the likely development of new cleanup technologies, the difficulty of determining in advance the nature and full extent of contamination and each potential participant's share of any estimated loss (and that participant's ability to bear it), and evolving statutory and regulatory standards governing liability.

The risk of incurring environmental liability for acts and omissions, past, present, and future, is inherent in the railroad business. Some of the commodities we transport, particularly those classified as hazardous materials, pose special risks that we work diligently to reduce. In addition, several of our subsidiaries own, or have owned, land used as operating property, or which is leased and operated by others, or held for sale. Because environmental problems that are latent or undisclosed may exist on these properties, there can be no assurance that we will not incur environmental liabilities or costs with respect to one or more of them, the amount and materiality of which cannot be estimated reliably at this time. Moreover, lawsuits and claims involving these and potentially other unidentified environmental sites and matters are likely to arise from time to time. The resulting liabilities could have a significant effect on financial position, results of operations, or liquidity in a particular year or quarter.

Based on our assessment of the facts and circumstances now known, we believe we have recorded the probable and reasonably estimable costs for dealing with those environmental matters of which we are aware. Further, we believe that it is unlikely that any known matters, either individually or in the aggregate, will have a material adverse effect on our financial position, results of operations, or liquidity.

Labor Agreements

Approximately 80 % of our railroad employees are covered by collective bargaining agreements with various labor unions. Pursuant to the Railway Labor Act, these agreements remain in effect until new agreements are reached, or until the bargaining procedures mandated by the Railway Labor Act are completed. Moratorium provisions in the labor agreements govern when the railroads and unions may propose changes to the agreements. We largely bargain nationally in concert with other major railroads, represented by the National Carriers' Conference Committee.

Under current moratorium provisions, neither party can serve notice to compel a new round of mandatory collective bargaining until November 1, 2024, and any agreements reached would take effect no earlier than January 1, 2025. When the moratoriums expire, the parties will exchange bargaining notices and commence direct negotiations. Even if the parties are unable to reach voluntary agreement during this first phase of negotiations, self-help, e.g., a strike or other work stoppage, related to this collective bargaining process remains prohibited by law until a lengthy series of additional procedures mandated by the Railway Labor Act, including federal mediation, are exhausted.

Insurance

We purchase insurance covering legal liabilities for bodily injury and property damage to third parties. Our current liability insurance provides limits for approximately 93 % of covered losses above \$ 75 million and below \$ 734 million per occurrence and/or policy year. In addition, we purchase insurance for damage to property owned by us or in our care, custody, or control. Our current property insurance provides limits for approximately 82 % of covered losses above \$ 75 million and below \$ 275 million per occurrence and/or policy year. With respect to the Incident, our insurance in effect at such time provided coverage above \$ 75 million and below \$ 800 million (or up to \$ 1.1 billion for specified types of pollution releases) per occurrence and/or policy year, and with respect to property owned by us or in our care, custody, or control, our insurance covered approximately 82 % of potential losses above \$ 75 million and below \$ 275 million per occurrence and/or policy year.

Insurance coverage with respect to the Incident is subject to certain conditions, including but not limited to our insurers' reservation of rights to further investigate and contest coverage, the express restrictions and sub-limits of coverage, and various policy exclusions, including those for some governmental fines or penalties. Some (re)insurers have questioned certain payments we have made, for example, as part of our effort to respond to, mitigate, and compensate for the impact to the community and affected residents and businesses. We are pursuing coverage with respect to the Incident, and we have recognized \$ 365 million in insurance recoveries (including \$ 156 million and \$ 264 million during the second quarter and first six months of 2024, respectively), principally from excess liability (re)insurers. At June 30, 2024, \$ 119 million was outstanding and is included in "Accounts receivable – net" on the Consolidated Balance Sheets.

With the exception of amounts that have been previously recognized, potential recoveries under our insurance coverage have not yet been recorded (given the insurers ongoing evaluation of our claims). In addition, no amounts have been recorded related to potential recoveries from other third parties, which may reduce amounts payable by our insurers under our applicable insurance coverage.

14. New Accounting Pronouncements

In November 2023, the FASB issued ASU 2023-07, *Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures*." This update requires additional reportable segment disclosures, primarily through enhanced disclosures about significant segment expenses and information used to assess performance. The ASU is effective for fiscal years beginning after December 15, 2023 and interim periods within fiscal years beginning after December 15, 2024. We did not early adopt the standard and are currently evaluating the effect on our financial statement disclosures.

In December 2023, the FASB issued ASU 2023-09, *Income Taxes (Topic 740): Improvements to Income Tax Disclosures*." This update requires additional disclosures including greater disaggregation of information in the reconciliation of the statutory rate to the effective rate and income taxes paid disaggregated by jurisdiction. The ASU is effective for fiscal years beginning after December 15, 2024. We will not early adopt the standard and are currently evaluating the effect on our financial statement disclosures.

Item 2. Management's Discussion and Analysis of Financial Condition and Results of Operations

Norfolk Southern Corporation and Subsidiaries

The following discussion and analysis should be read in conjunction with the Consolidated Financial Statements and Notes.

OVERVIEW

We are one of the nation's premier transportation companies, moving goods and materials that help drive the U.S. economy. We connect customers to markets and communities to economic opportunity with safe, reliable, and cost-effective shipping solutions. Our Norfolk Southern Railway Company subsidiary operates in 22 states and the District of Columbia. We are a major transporter of industrial products, including agriculture, forest and consumer products, chemicals, and metals and construction materials. In addition, in the East we serve every major container port and operate the most extensive intermodal network. We are also a principal carrier of coal, automobiles, and automotive parts.

Throughout the first half of 2024, we have executed on initiatives aimed at delivering a high-quality service product for our customers, increasing productivity, and improving our operating margins. We have enhanced our leadership team to accelerate operational improvements and restructured our management workforce to become a more productive organization. We also continued to deliver on our commitments to respond to the Eastern Ohio Incident (as defined further and described in Note 13 in the Notes to Consolidated Financial Statements) and make it right for the affected communities. In the second quarter, we improved our operating ratio (a measure of the amount of operating revenues consumed by operating expenses), achieving an operating ratio of 62.8% and an adjusted operating ratio of 65.1% (see our non-GAAP reconciliations beginning on page 26). We remain committed to being a more productive, resilient, and efficient railroad while achieving industry-competitive margins.

SUMMARIZED RESULTS OF OPERATIONS

	Second Quarter			First Six Months		
	2024	2023	% change	2024	2023	% change
(\$ in millions, except per share amounts)						
Railway operating revenues	\$ 3,044	\$ 2,980	2%	\$ 6,048	\$ 6,112	(1%)
Railway operating expenses	\$ 1,913	\$ 2,404	(20%)	\$ 4,704	\$ 4,825	(3%)
Income from railway operations	\$ 1,131	\$ 576	96%	\$ 1,344	\$ 1,287	4%
Net income	\$ 737	\$ 356	107%	\$ 790	\$ 822	(4%)
Diluted earnings per share	\$ 3.25	\$ 1.56	108%	\$ 3.48	\$ 3.60	(3%)
Railway operating ratio (percent)	62.8	80.7	(22%)	77.8	78.9	(1%)

Income from railway operations increased in both periods, primarily as a result of lower railway operating expenses, including a decline in Incident-related costs. Second quarter 2024 financial results also reflect higher railway operating revenues, driven by increased volumes. As a result, net income and diluted earnings per share were up significantly in the second quarter. For the first six months of 2024, net income and diluted earnings per share declined, as lower other income-net, which includes costs associated with shareholder advisory matters, and higher interest expense more than offset the growth in income from railway operations.

The following tables adjust our GAAP financial results for the second quarter and first six months of 2024 and 2023 to exclude the effects of the Incident, restructuring and other charges (including the curtailment gain on our other postretirement benefit plan, which is included in "Other income – net"), shareholder advisory costs, and a deferred income tax adjustment. The income tax effects of these non-GAAP adjustments were calculated based on the

applicable tax rates to which the non-GAAP adjustments related. We use these non-GAAP financial measures internally and believe this information provides useful supplemental information to investors to facilitate making period-to-period comparisons by excluding these items. While we believe that these non-GAAP financial measures are useful in evaluating our business, this information should be considered as supplemental in nature and is not meant to be considered in isolation from, or as a substitute for, the related financial information prepared in accordance with GAAP. In addition, these non-GAAP financial measures may not be the same as similar measures presented by other companies.

Non-GAAP Reconciliation for Second Quarter 2024

	Reported 2024 (GAAP)	Eastern Ohio Incident	Restructuring and Other Charges	Shareholder Advisory Costs	Adjusted 2024 (non-GAAP)
(\$ in millions, except per share amounts)					
Railway operating expenses	\$ 1,913	\$ 65	\$ 3	\$ —	\$ 1,981
Income from railway operations	\$ 1,131	\$ (65)	\$ (3)	\$ —	\$ 1,063
Net income	\$ 737	\$ (49)	\$ (16)	\$ 22	\$ 694
Diluted earnings per share	\$ 3.25	\$ (0.22)	\$ (0.07)	\$ 0.10	\$ 3.06
Railway operating ratio (percent)	62.8	2.2	0.1	—	65.1

Non-GAAP Reconciliation for Second Quarter 2023

	Reported 2023 (GAAP)	Eastern Ohio Incident	Adjusted 2023 (non-GAAP)
(\$ in millions, except per share amounts)			
Railway operating expenses	\$ 2,404	\$ (416)	\$ 1,988
Income from railway operations	\$ 576	\$ 416	\$ 992
Net income	\$ 356	\$ 317	\$ 673
Diluted earnings per share	\$ 1.56	\$ 1.39	\$ 2.95
Railway operating ratio (percent)	80.7	(14.0)	66.7

In the table below, references to the results for the second quarters of 2024 and 2023 and related comparisons use the adjusted, non-GAAP results from the reconciliations in the tables above.

Second Quarter

	Adjusted 2024 (non-GAAP)	Adjusted 2023 (non-GAAP)	Adjusted 2024 vs. Adjusted 2023 (non-GAAP)
(\$ in millions, except per share amounts)			% change
Railway operating expenses	\$ 1,981	\$ 1,988	—%
Income from railway operations	\$ 1,063	\$ 992	7%
Net income	\$ 694	\$ 673	3%
Diluted earnings per share	\$ 3.06	\$ 2.95	4%
Railway operating ratio (percent)	65.1	66.7	(2%)

Non-GAAP Reconciliation for First Six Months 2024

	Reported 2024 (GAAP)	Eastern Ohio Incident	Restructuring and Other Charges	Shareholder Advisory Costs	Deferred Income Tax Adjustment	Adjusted 2024 (non-GAAP)
(\$ in millions, except per share amounts)						
Railway operating expenses	\$ 4,704	\$ (527)	\$ (96)	\$ —	\$ —	\$ 4,081
Income from railway operations	\$ 1,344	\$ 527	\$ 96	\$ —	\$ —	\$ 1,967
Net income	\$ 790	\$ 399	\$ 59	\$ 38	\$ (27)	\$ 1,259
Diluted earnings per share	\$ 3.48	\$ 1.77	\$ 0.26	\$ 0.17	\$ (0.12)	\$ 5.56
Railway operating ratio (percent)	77.8	(8.7)	(1.6)	—	—	67.5

Non-GAAP Reconciliation for First Six Months 2023

	Reported 2023 (GAAP)	Eastern Ohio Incident	Adjusted 2023 (non-GAAP)
(\$ in millions, except per share amounts)			
Railway operating expenses	\$ 4,825	\$ (803)	\$ 4,022
Income from railway operations	\$ 1,287	\$ 803	\$ 2,090
Net income	\$ 822	\$ 610	\$ 1,432
Diluted earnings per share	\$ 3.60	\$ 2.67	\$ 6.27
Railway operating ratio (percent)	78.9	(13.1)	65.8

In the table below, references to the results for the first six months of 2024 and 2023 and related comparisons use the adjusted, non-GAAP results from the reconciliation in the tables above.

	First Six Months		
	Adjusted 2024 (non-GAAP)	Adjusted 2023 (non-GAAP)	Adjusted 2024 vs. Adjusted 2023 (non-GAAP)
(\$ in millions, except per share amounts)			% change
Railway operating expenses	\$ 4,081	\$ 4,022	1%
Income from railway operations	\$ 1,967	\$ 2,090	(6%)
Net income	\$ 1,259	\$ 1,432	(12%)
Diluted earnings per share	\$ 5.56	\$ 6.27	(11%)
Railway operating ratio (percent)	67.5	65.8	3%

On an adjusted basis, income from railway operations increased in the second quarter but decreased for the first six months. The increase in the second quarter was primarily driven by higher railway operating revenues, due to an increase in volume. For the first six months, the decline in adjusted income from railway operations was due to lower revenues and higher adjusted railway operating expenses. Revenue declined for the first six months, despite higher volume, as a result of adverse mix of traffic, lower fuel surcharge revenues, and lower intermodal storage revenues. Adjusted railway operating expenses were higher as a result of increases in compensation and benefits, purchased services, and depreciation, partially offset by lower fuel, claims, and other expenses.

DETAILED RESULTS OF OPERATIONS

Railway Operating Revenues

The following tables present a comparison of revenues (\$ in millions), units (in thousands), and average revenue per unit (\$ per unit) by commodity group.

Revenues	Second Quarter			First Six Months		
	2024	2023	% change	2024	2023	% change
Merchandise:						
Agriculture, forest and consumer products	\$ 622	\$ 627	(1%)	\$ 1,251	\$ 1,280	(2%)
Chemicals	532	503	6%	1,059	1,044	1%
Metals and construction	440	415	6%	870	815	7%
Automotive	310	281	10%	587	565	4%
Merchandise	1,904	1,826	4%	3,767	3,704	2%
Intermodal	742	745	—%	1,487	1,559	(5%)
Coal	398	409	(3%)	794	849	(6%)
Total	\$ 3,044	\$ 2,980	2%	\$ 6,048	\$ 6,112	(1%)

Units

Merchandise:						
Agriculture, forest and consumer products	181.2	187.7	(3%)	365.3	375.4	(3%)
Chemicals	130.1	126.7	3%	260.6	262.8	(1%)
Metals and construction	167.9	161.7	4%	328.5	315.1	4%
Automotive	97.2	90.6	7%	185.5	178.7	4%
Merchandise	576.4	566.7	2%	1,139.9	1,132.0	1%
Intermodal	1,003.5	925.4	8%	1,992.3	1,842.2	8%
Coal	162.9	165.5	(2%)	330.0	339.3	(3%)
Total	1,742.8	1,657.6	5%	3,462.2	3,313.5	4%

Revenue per Unit

Merchandise:						
Agriculture, forest and consumer products	\$ 3,433	\$ 3,342	3%	\$ 3,424	\$ 3,410	—%
Chemicals	4,090	3,966	3%	4,064	3,973	2%
Metals and construction	2,620	2,569	2%	2,649	2,587	2%
Automotive	3,196	3,102	3%	3,166	3,164	—%
Merchandise	3,304	3,222	3%	3,305	3,273	1%
Intermodal	739	805	(8%)	746	846	(12%)
Coal	2,445	2,470	(1%)	2,407	2,502	(4%)
Total	1,747	1,798	(3%)	1,747	1,845	(5%)

Railway operating revenues increased \$64 million in the second quarter but decreased \$64 million for the first six months compared with the same periods last year. The table below reflects the components of the revenue change by major commodity group (\$ in millions).

	Second Quarter			First Six Months		
	Merchandise	Intermodal	Coal	Merchandise	Intermodal	Coal
	<i>Increase (Decrease)</i>					
Volume	\$ 31	\$ 63	\$ (6)	\$ 26	\$ 127	\$ (23)
Fuel surcharge revenue	(17)	(6)	(5)	(78)	(47)	(18)
Rate, mix and other	64	(60)	—	115	(152)	(14)
Total	<u>\$ 78</u>	<u>\$ (3)</u>	<u>\$ (11)</u>	<u>\$ 63</u>	<u>\$ (72)</u>	<u>\$ (55)</u>

Approximately 95% of our revenue base is covered by contracts that include negotiated fuel surcharges. Revenues associated with these surcharges totaled \$259 million and \$287 million in the second quarters of 2024 and 2023, respectively, and \$519 million and \$662 million for the first six months of 2024 and 2023, respectively. The decrease in fuel surcharge revenues is driven by lower fuel commodity prices.

For the remainder of 2024, we expect that revenue will be higher compared to 2023 driven by increased volume, partially offset by the impacts of pricing and traffic mix.

Merchandise

Merchandise revenues increased in both periods due to higher average revenue per unit, driven by increased pricing, partially offset by lower fuel surcharge revenue, and increased volume.

Agriculture, forest and consumer products volume decreased in both periods, due to declines in corn, fertilizers, ethanol and food oils, partially offset by increased feed volume. Decreased corn volume was the result of customer sourcing changes due to increased southeast corn production. Volume in fertilizers and food oils were down due to reduced business opportunities, while the volume decline in ethanol was due to reduced production. Volume growth in feed was largely due to growth with existing customers.

Chemicals volume increased in the second quarter but decreased for the first six months. Shipments of organic chemicals and plastics increased in both periods due to stronger demand. Petroleum products and crude oil volume decreased in the first six months. Volume declines in petroleum were related to the conclusion of a spot opportunity handled last year to support a customer during a refinery outage, while declines in crude oil were due to a market share shift.

Metals and construction volume rose in both the second quarter and first six months, driven by increases in aggregates. Additionally, coil steel and iron and steel volume increased in the first six months. The volume increase in aggregates was the result of increased demand, while the increase in coil steel, and iron and steel was due to increased equipment availability.

Automotive volumes increased in both periods, due to increased demand, partially offset by plant shutdowns and quality holds at the manufacturers.

Intermodal

Intermodal revenues decreased in both periods as a result of lower average revenue per unit, driven by decreased pricing, adverse mix, lower fuel surcharge revenue, and declines in storage service charges, partially offset by higher volume.

Intermodal units (in thousands) by market were as follows:

	Second Quarter			First Six Months		
	2024	2023	% change	2024	2023	% change
Domestic	616.3	577.0	7%	1,206.7	1,164.7	4 %
International	387.2	348.4	11%	785.6	677.5	16 %
Total	1,003.5	925.4	8%	1,992.3	1,842.2	8 %

Domestic volume increased in both periods due to growth in existing customers and improved service, partially offset by reduced demand for premium and less-than-truckload shipments. International volume rose in both periods, driven by increased movements of empty containers and ocean carriers favoring inland point intermodal traffic.

Coal

Coal revenues declined in both periods. The second quarter decrease is the result of lower volume and lower average revenue per unit driven by adverse mix and decreased fuel surcharge revenue, partially offset by increased pricing. The decline for the first six months was the result of lower average revenue per unit, driven by decreased fuel surcharge revenue and pricing, in addition to lower volume.

Coal tonnage (in thousands) by market was as follows:

	Second Quarter			First Six Months		
	2024	2023	% change	2024	2023	% change
Utility	7,555	6,852	10%	14,574	15,062	(3%)
Export	7,247	7,697	(6%)	15,996	15,903	1%
Domestic metallurgical	2,573	3,059	(16%)	4,766	5,390	(12%)
Industrial	863	882	(2%)	1,649	1,571	5%
Total	18,238	18,490	(1%)	36,985	37,926	(2%)

Utility tonnage increased during the second quarter due to increased shipments associated with the impacts of warm weather on electricity demand, but decreased during the first six months due to higher stockpiles, low natural gas prices and a mild winter. Export tonnage decreased in the second quarter due to the temporary closure of the Baltimore port which limited export opportunities through that location. Export tonnage increased for the first six months due to increased demand. Domestic metallurgical tonnage declined in both periods as a result of reduced customer demand. Industrial coal tonnage decreased during the second quarter due to customer outages, and increased during the first six months due to higher demand.

Railway Operating Expenses

Railway operating expenses summarized by major classifications follow (\$ in millions):

	Second Quarter			First Six Months		
	2024	2023	% change	2024	2023	% change
Compensation and benefits	\$ 700	\$ 693	1%	\$ 1,436	\$ 1,383	4%
Purchased services and rents	516	506	2%	1,044	1,002	4%
Fuel	257	263	(2%)	541	578	(6%)
Depreciation	335	321	4%	672	642	5%
Materials and other	173	205	(16%)	388	417	(7%)
Restructuring and other charges	(3)	—		96	—	
Eastern Ohio incident	(65)	416		527	803	(34%)
Total	<u>\$ 1,913</u>	<u>\$ 2,404</u>	(20%)	<u>\$ 4,704</u>	<u>\$ 4,825</u>	(3%)

Compensation and benefits expense increased in both periods as follows:

- pay rates (up \$17 million for the quarter and \$41 million for the first six months),
- incentive compensation (up \$17 million for the quarter and \$20 million for the first six months),
- payroll taxes (down \$10 million for the quarter and \$18 million for the first six months),
- overtime (down \$12 million for the quarter and \$14 million for the first six months),
- employee activity levels (down \$1 million for the quarter but up \$25 million for the first six months), and
- other (down \$4 million for the quarter and \$1 million for the first six months).

Average rail headcount for the quarter was up by approximately 240 compared with the second quarter of 2023 due to the hiring of additional non-train and engine craft employees, partially offset by lower management and train and engine headcount.

Purchased services and rents increased in both periods as follows (\$ in millions):

	Second Quarter			First Six Months		
	2024	2023	% change	2024	2023	% change
Purchased services	\$ 419	\$ 407	3%	\$ 839	\$ 806	4%
Equipment rents	97	99	(2%)	205	196	5%
Total	<u>\$ 516</u>	<u>\$ 506</u>	2%	<u>\$ 1,044</u>	<u>\$ 1,002</u>	4%

Purchased services rose in both periods primarily due to higher volume-related expenses, increased operational and transportation expenses, and higher technology-related costs. Equipment rents decreased in the second quarter due to decreased time-and-mileage expense, partially offset by increased leased freight car equipment. Equipment rents increased for the first six months due to higher short-term locomotive resource costs.

Fuel expense, which includes the cost of locomotive fuel as well as other fuel used in railway operations decreased in both periods. Locomotive fuel consumption was down 2% in the second quarter and flat for the first six months. Locomotive fuel price increased 1% in the second quarter but decreased 6% for the first six months.

Depreciation expense increased in both periods due to a higher asset base.

Materials and other expenses decreased in both periods as follows (\$ in millions):

	Second Quarter			First Six Months		
	2024	2023	% change	2024	2023	% change
Materials	\$ 92	\$ 88	5%	\$ 190	\$ 179	6%
Claims	50	60	(17%)	98	114	(14%)
Other	31	57	(46%)	100	124	(19%)
Total	<u>\$ 173</u>	<u>\$ 205</u>	(16%)	<u>\$ 388</u>	<u>\$ 417</u>	(7%)

Materials expense increased in both periods due to higher freight car materials costs. Claims expense decreased in both periods as a result of lower costs associated with derailments and personal injury claims. Other expense decreased in both periods due to lower non-income based taxes, increased gains from operating property sales, and higher rental income. Gains from operating property sales, included in Other, totaled \$25 million and \$19 million for the second quarter in 2024 and 2023, respectively, and \$25 million and \$22 million in the first six months of 2024 and 2023, respectively.

Restructuring and other charges

During the first six months of 2024, we recognized \$96 million in expense associated with our voluntary and involuntary separation programs that reduced our management workforce, as well as costs associated with the appointment of our new chief operating officer. We recognized favorability of \$3 million in the second quarter of 2024 due to revised estimates of our costs associated with our voluntary separation programs.

Eastern Ohio incident

During the second quarter of 2024, our insurance recoveries exceeded additional Incident-related expenses by \$65 million as compared to \$416 million in expenses, net of insurance proceeds, for the same period last year. For the first six months of 2024 and 2023, we incurred expenses of \$527 million and \$803 million, respectively, for costs associated with the Incident, net of insurance recoveries. Our cash expenditures attributable to the Incident, net of insurance proceeds received, were \$133 million and \$287 million for the first six months of 2024 and 2023, respectively, which are presented in "Net cash provided by operating activities" on the Consolidated Statements of Cash Flows. For further details regarding the Incident, see Note 13 in the Notes to Consolidated Financial Statements.

Other income – net

Other income – net decreased \$40 million in the second quarter and \$78 million for the first six months reflecting costs associated with shareholder matters and lower returns on COLI, partially offset by a \$20 million curtailment gain on our other postretirement benefit plan as a result of our voluntary and involuntary separation programs. In addition, the first six months benefited from higher interest income.

Income taxes

The effective tax rate for the second quarter and first six months of 2024 were 21.9% and 18.9%, compared with 23.1% and 22.1%, respectively, for the same periods last year. Both periods in 2024 reflect a \$13 million deferred income tax benefit due to a change in a state corporate income tax rate, while the first six months rate also includes

a \$27 million deferred income tax benefit from subsidiary restructuring. These benefits were partially offset by the absence of certain business tax credits recognized in the prior year.

FINANCIAL CONDITION AND LIQUIDITY

Cash provided by operating activities, our principal source of liquidity, was \$1.9 billion for the first six months of 2024, compared with \$1.8 billion for the same period of 2023. We had negative working capital of \$1.4 billion at June 30, 2024 and working capital of \$639 million at December 31, 2023. Cash and cash equivalents totaled \$659 million at June 30, 2024.

Cash used in investing activities was \$2.6 billion for the first six months of 2024, compared with \$741 million for the same period last year. The increase was driven by the acquisition of the assets of the CSR as well as increased property additions. Please see Note 9 in the Notes to Consolidated Financial Statements for a detailed discussion of the acquisition of the CSR assets.

Cash used in financing activities was \$217 million for the first six months of 2024, compared with \$1.0 billion for the same period last year, reflecting lower debt repayments and repurchases of Common Stock, partially offset by lower proceeds from borrowing. We did not repurchase any Common Stock during the first six months of 2024, while we repurchased \$303 million during the same period last year. The timing and volume of future share repurchases will be guided by our assessment of market conditions and other pertinent factors. Repurchases may be executed in the open market, through derivatives, accelerated repurchase and other negotiated transactions and through plans designed to comply with Rule 10b5-1(c) and Rule 10b-18 under the Securities and Exchange Act of 1934. Any near-term purchases under the program are expected to be made with internally-generated cash, cash on hand, or proceeds from borrowings.

In June 2024, we entered into an agreement that provides us the ability to issue up to \$800 million of unsecured commercial paper and is backed by our credit agreement. The unsecured short-term commercial paper program provides for borrowing at prevailing rates and includes covenants. At June 30, 2024, we had no outstanding commercial paper. During July 2024, we issued \$300 million of unsecured commercial paper.

In May 2024, we renewed our accounts receivable securitization program with a maximum borrowing capacity of \$400 million. Amounts under our accounts receivable securitization program are borrowed and repaid from time to time in the ordinary course for general corporate and cash management purposes. The term of our accounts receivable securitization program expires in May 2025. We had \$400 million (at an interest rate of 6.06%) outstanding under this program at June 30, 2024 and no amounts outstanding at December 31, 2023. We had fully utilized our borrowing capacity under the program at June 30, 2024, while we had \$400 million available at December 31, 2023. During July 2024, we repaid \$400 million that was outstanding under this program.

In January 2024, we renewed and amended our \$800 million credit agreement. The amended agreement expires in January 2029, and provides for borrowings at prevailing rates and includes covenants. We had no amounts outstanding under this facility at either June 30, 2024 or December 31, 2023, and we are in compliance with all of its covenants.

In January 2024, we also entered into a term loan credit agreement that established a 364-day, \$1.0 billion, unsecured delayed draw term loan facility under which we can borrow for general corporate purposes. The term loan credit agreement provides for borrowing at prevailing rates and includes covenants that align with our \$800 million credit agreement. We had no amounts outstanding under this facility at June 30, 2024. During July 2024, we extended the availability period of the term loan agreement. If left undrawn, the term loan will be available until October 2024.

In addition, we have investments in general purpose COLI policies and have the ability to borrow against these policies. We had \$108 million outstanding at June 30, 2024 and no amounts outstanding at December 31, 2023.

Our remaining borrowing capacity was \$530 million and \$640 million at June 30, 2024 and December 31, 2023, respectively.

Our debt-to-total capitalization ratio was 57.5% at June 30, 2024 and 57.3% at December 31, 2023. We expect cash on hand combined with cash provided by operating activities will be sufficient to meet our ongoing obligations. In addition, we believe our currently-available borrowing capacity, access to additional financing, and ability to decrease shareholder distributions, provide additional flexibility to meet our ongoing obligations. There have been no material changes to the information on future contractual obligations, including those that may have material cash requirements, contained in our Form 10-K for the year ended December 31, 2023. On April 9, 2024, we announced that we have reached an agreement in principle to settle the Ohio Class Action for \$600 million. Subject to final court approval and other conditions, payments to class members under the settlement could begin by the end of this year.

CRITICAL ACCOUNTING ESTIMATES

The preparation of financial statements in accordance with GAAP requires us to make estimates and assumptions that affect the reported amounts of assets and liabilities, the disclosure of contingent assets and liabilities at the date of the financial statements, and the reported amounts of revenue and expenses during the reporting period. These estimates and assumptions may require judgment about matters that are inherently uncertain, and future events are likely to occur that may require us to make changes to these estimates and assumptions. Accordingly, we regularly review these estimates and assumptions based on historical experience, changes in the business environment, and other factors we believe to be reasonable under the circumstances. There have been no significant changes to the critical accounting estimates contained in our Form 10-K at December 31, 2023.

OTHER MATTERS

Labor Agreements

Approximately 80% of our railroad employees are covered by collective bargaining agreements with various labor unions. Pursuant to the Railway Labor Act, these agreements remain in effect until new agreements are reached, or until the bargaining procedures mandated by the Railway Labor Act are completed. Moratorium provisions in the labor agreements govern when the railroads and unions may propose changes to the agreements. We largely bargain nationally in concert with other major railroads, represented by the National Carriers' Conference Committee.

Under current moratorium provisions, neither party can serve notice to compel a new round of mandatory collective bargaining until November 1, 2024, and any agreements reached would take effect no earlier than January 1, 2025. When the moratoriums expire, the parties will exchange bargaining notices and commence direct negotiations. Even if the parties are unable to reach voluntary agreement during this first phase of negotiations, self-help, e.g., a strike or other work stoppage, related to this collective bargaining process remains prohibited by law until a lengthy series of additional procedures mandated by the Railway Labor Act, including federal mediation, are exhausted.

Inflation

In preparing financial statements, GAAP requires the use of historical cost that disregards the effects of inflation on the replacement cost of property. As a capital-intensive company, we have most of our capital invested in long-lived assets. The replacement cost of these assets, as well as the related depreciation expense, would be substantially greater than the amounts reported on the basis of historical cost.

FORWARD-LOOKING STATEMENTS

Certain statements in Management's Discussion and Analysis of Financial Condition and Results of Operations are "forward-looking statements" within the meaning of the "safe harbor" provisions of the Private Securities Litigation Reform Act of 1995, as amended. These statements relate to future events or our future financial performance and involve known and unknown risks, uncertainties, and other factors that may cause our actual results, levels of activity, performance, or our achievements or those of our industry to be materially different from those expressed or implied by any forward-looking statements. In some cases, forward-looking statements can be identified by terminology such as "may," "will," "could," "would," "should," "expect," "plan," "anticipate," "intend," "believe," "estimate," "project," "consider," "predict," "potential," "feel," or other comparable terminology. We have based these forward-looking statements on our current expectations, assumptions, estimates, beliefs, and projections. While we believe these expectations, assumptions, estimates, beliefs, and projections are reasonable, such forward-looking statements are only predictions and involve known and unknown risks and uncertainties, many of which involve factors or circumstances that are beyond our control. These and other important factors, including those discussed under "Risk Factors" in our latest Form 10-K as well as our subsequent filings with the Securities and Exchange Commission, may cause actual results, performance, or achievements to differ materially from those expressed or implied by these forward-looking statements. The forward-looking statements herein are made only as of the date they were first issued, and unless otherwise required by applicable securities laws, we disclaim any intention or obligation to update or revise any forward-looking statements, whether as a result of new information, future events, or otherwise.

Additional Information

Investors and others should note that we routinely use the Investor Relations, Performance Metrics, and Sustainability sections of our website (norfolksouthern.investorroom.com/key-investor-information, norfolksouthern.investorroom.com/weekly-performance-reports & norfolksouthern.com/sustainability) to post presentations to investors and other important information, including information that may be deemed material to investors. Information about us, including information that may be deemed material, may also be announced by posts on our social media channels, including X (formerly known as Twitter) (www.twitter.com/nscorp) and LinkedIn (www.linkedin.com/company/norfolk-southern). We may also use our website and social media channels for the purpose of complying with our disclosure obligations under Regulation FD. As a result, we encourage investors, the media, and others interested in Norfolk Southern to review the information posted on our website and social media channels. The information posted on our website and social media channels is not incorporated by reference in this Quarterly Report on Form 10-Q.

Item 3. Quantitative and Qualitative Disclosures About Market Risk

The information required by this item is included in Part I, Item 2, "Management's Discussion and Analysis of Financial Condition and Results of Operations" under the heading "Financial Condition and Liquidity."

Item 4. Controls and Procedures

Evaluation of Disclosure Controls and Procedures

Our Chief Executive Officer and Chief Financial Officer, with the assistance of management, evaluated the effectiveness of our disclosure controls and procedures (as such term is defined in Rules 13a-15(e) and 15d-15(e) under the Securities Exchange Act of 1934, as amended (Exchange Act)) at June 30, 2024. Based on such evaluation, our officers have concluded that, at June 30, 2024, our disclosure controls and procedures were effective in alerting them on a timely basis to material information required to be included in our periodic filings under the Exchange Act.

Changes in Internal Control Over Financial Reporting

During the second quarter of 2024, we have not identified any changes in internal control over financial reporting that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.

PART II. OTHER INFORMATION

Item 1. Legal Proceedings

For information on our legal proceedings, see Note 13 “Commitments and Contingencies” in the Notes to Consolidated Financial Statements.

Item 1A. Risk Factors

The risks set forth in “Risk Factors” included in our 2023 Form 10-K could have a material adverse effect on our financial position, results of operations, or liquidity in a particular year or quarter, and could cause those results to differ materially from those expressed or implied in our forward-looking statements. Those risks remain unchanged and are incorporated herein by reference.

Item 2. Unregistered Sales of Equity Securities, Use of Proceeds, and Issuer Purchases of Equity Securities

Period	(a) Total Number of Shares (or Units) Purchased ⁽¹⁾	(b) Average Price Paid per Share (or Unit)	(c) Total Number of Shares (or Units) Purchased as Part of Publicly Announced Plans or Programs ⁽²⁾	(d) Approximate Dollar Value of Shares that may yet be Purchased under the Publicly Announced Plans or Programs ⁽²⁾
April 1-30, 2024	—	\$ —	—	\$ 6,868,152,575
May 1-31, 2024	—	—	—	6,868,152,575
June 1-30, 2024	447	223.62	—	6,868,152,575
Total	447		—	

1. Of this amount, 447 represent shares were tendered by employees in connection with the exercise of options under the stockholder-approved LTIP.
2. On March 29, 2022, our Board of Directors authorized a new program for the repurchase of up to \$10.0 billion of Common Stock beginning April 1, 2022. As of June 30, 2024, \$6.9 billion remains authorized for repurchase.

Item 3. Defaults Upon Senior Securities

None.

Item 4. Mine Safety Disclosures

Not applicable.

Item 5. Other Information

Director and Officer Trading Arrangements

None of our directors or officers (as defined in Rule 16a-1(f) of the Exchange Act) adopted or terminated a Rule 10b5-1 trading arrangement or a non-Rule 10b5-1 trading arrangement (as defined in Item 408(c) of Regulation S-K) during the quarterly period covered by this report.

Item 6. Exhibits

- 10.1* [Amendment No. 3 dated as of May 24, 2024, to the Amended and Restated Transfer and Administration Agreement, dated as of May 28, 2021.](#)
- 10.2* [First Amendment to Term Loan Credit Agreement dated as of July 19, 2024.](#)
- 31-A* [Rule 13a-14\(a\)/15d-14\(a\) CEO Certifications.](#)
- 31-B* [Rule 13a-14\(a\)/15d-14\(a\) CFO Certifications.](#)
- 32* [Section 1350 Certifications.](#)
- 101* The following financial information from Norfolk Southern Corporation's Quarterly Report on Form 10-Q for the second quarter of 2024, formatted in Inline Extensible Business Reporting Language (iXBRL) includes (i) the Consolidated Statements of Income for the second quarter and first six months of 2024 and 2023; (ii) the Consolidated Statements of Comprehensive Income for the second quarter and first six months of 2024 and 2023; (iii) the Consolidated Balance Sheets at June 30, 2024 and December 31, 2023; (iv) the Consolidated Statements of Cash Flows for the first six months of 2024 and 2023; (v) the Consolidated Statements of Changes in Stockholders' Equity for the second quarter and first six months of 2024 and 2023; and (vi) the Notes to Consolidated Financial Statements.
- 104* Cover Page Interactive Data File (formatted as Inline XBRL and contained in Exhibit 101).

* *Filed herewith.*

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

NORFOLK SOUTHERN CORPORATION

Registrant

Date: July 26, 2024

/s/ Claiborne L. Moore

Claiborne L. Moore
Vice President and Controller
(Principal Accounting Officer) (Signature)

Date: July 26, 2024

/s/ Nabanita C. Nag

Nabanita C. Nag
Executive Vice President Corporate Affairs, Chief Legal Officer, and
Corporate Secretary (Signature)

Exhibit 10.1

**AMENDMENT NO. 3 TO
AMENDED AND RESTATED TRANSFER AND ADMINISTRATION AGREEMENT**

THIS AMENDMENT NO. 3 TO AMENDED AND RESTATED TRANSFER AND ADMINISTRATION AGREEMENT (this "Amendment"), dated as of May 24, 2024, is by and among **THOROUGHbred FUNDING, INC.**, a Virginia corporation (the "SPV"), **NORFOLK SOUTHERN RAILWAY COMPANY**, a Virginia corporation, as originator (in such capacity, the "Originator") and as servicer (in such capacity, the "Servicer"), **NORFOLK SOUTHERN CORPORATION**, a Virginia corporation ("NSC"), the "Committed Investors" party hereto, the "Managing Agents" party hereto, and **SMBC NIKKO SECURITIES AMERICA, INC.** ("SMBC"), as the Administrative Agent for the Investors. Capitalized terms used herein and not otherwise defined herein shall have the meaning given to such terms in the Transfer and Administration Agreement (defined below).

WHEREAS, the SPV, the Servicer, NSC, the Conduit Investors, the Committed Investors, the Managing Agents and the Administrative Agent are parties to that certain Amended and Restated Transfer and Administration Agreement dated as of May 28, 2021 (as amended, supplemented or otherwise modified as of the date hereof, the "Transfer and Administration Agreement"); and

WHEREAS, the SPV, the Originator, the Servicer, NSC, the Committed Investors, the Managing Agents and the Administrative Agent have agreed to amend the Transfer and Administration Agreement on the terms and conditions set forth herein.

NOW, THEREFORE, in consideration of the premises set forth above, the terms and conditions contained herein, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties hereto agree as follows:

Section 1. Amendment to the Transfer and Administration Agreement. Effective as of the Effective Date (as hereinafter defined) and subject to the satisfaction of the conditions precedent set forth in Section 2 below, the Transfer and Administration Agreement is hereby amended as follows:

1.1 The definition of "Commitment Termination Date" appearing in Section 1.1 of the Transfer and Administration Agreement is amended by replacing "May 24, 2024" with "May 23, 2025".

1.2 The definition of "Alternate Rate" appearing in Section 1.1 of the Transfer and Administration Agreement is amended by adding the following as a new sentence at the end of such definition: "The Managing Agent for each Investor Group shall calculate the Alternate Rate for each day during each Rate Period and shall notify the SPV and the Servicer of such Alternate Rate not later than the Business Day prior to the related Reporting Date; provided that, in the case of the SMBC Investor Group, the calculation of the Alternate Rate shall be made by Sumitomo Mitsui Banking Corporation (acting in such role, the "Notification and Billing Agent")."

Section 2. Conditions Precedent. This Amendment shall become effective as of the date first written above (the "Effective Date") upon:

2.1. the receipt by each of Capital One, National Association, SMBC and U.S. Bank National Association, each as a Managing Agent, for the account of the Investors in the related Investor Group, of \$33,333.33 (representing the product of (i) 0.025% and (ii) the sum of the Commitments of the

Committed Investors in the related Investor Group as of the date hereof) by wire transfer of immediately available funds to the account specified by such Managing Agent to the SPV; and

2.2. the receipt by the Administrative Agent of this Amendment, duly executed by the parties hereto.

Section 3. Representations and Warranties.

3.1. (a) Each of the SPV, the Servicer and the Originator hereby represents and warrants that:

(i) This Amendment and the Transfer and Administration Agreement, as amended hereby constitute legal, valid and binding obligations of such parties and are enforceable against such parties in accordance with their respective terms, except to the extent that enforceability may be limited by bankruptcy, insolvency, reorganization, moratorium or other similar laws affecting the enforcement of creditors' rights generally and by general equitable principles.

(ii) Upon the effectiveness of this Amendment and after giving effect hereto, the covenants, representations and warranties of each such party, respectively, set forth in Articles IV and VI of the Transfer and Administration Agreement, as applicable, and as amended hereby, are true, complete and correct, in the case of such representations and warranties qualified by materiality, in all respects, and otherwise in all material respects on and as of the date hereof as though made on and as of the date hereof (except to the extent that such representations and warranties relate to an earlier date in which case such representations and warranties that expressly relate to an earlier date are true, correct and complete, in the case of such representations and warranties qualified by materiality, in all respects, and otherwise in all material respects, as of such earlier date).

(b) The SPV hereby represents and warrants that, upon the effectiveness of this Amendment, no event or circumstance has occurred and is continuing which constitutes a Termination Event or a Potential Termination Event.

Section 4. Reference to and Effect on the Transfer and Administration Agreement

4.1. Upon the effectiveness of this Amendment, on and after the date hereof, each reference in the Transfer and Administration Agreement to "this Agreement," "hereunder," "hereof," "herein" or words of like import shall mean and be a reference to the Transfer and Administration Agreement and its amendments, as amended hereby.

4.2. The Transfer and Administration Agreement, as amended hereby, and all other amendments, documents, instruments and agreements executed and/or delivered in connection therewith, shall remain in full force and effect, and are hereby ratified and confirmed.

4.3. Except as expressly provided herein, the execution, delivery and effectiveness of this Amendment shall not operate as a waiver of any right, power or remedy of the Conduit Investors, the Committed Investors, the Managing Agents or the Administrative Agent, nor constitute a waiver of any provision of the Transfer and Administration Agreement, any other Transaction Document or any other documents, instruments and agreements executed and/or delivered in connection therewith.

Section 5. CHOICE OF LAW. THIS AMENDMENT SHALL BE GOVERNED BY AND CONSTRUED IN ACCORDANCE WITH THE LAWS OF THE STATE OF NEW YORK

(WITHOUT REFERENCE TO THE CONFLICTS OF LAW PRINCIPLES THEREOF OTHER THAN SECTION 5-1401 OF THE NEW YORK GENERAL OBLIGATIONS LAW).

Section 6. Execution of Counterparts. This Amendment may be executed in any number of counterparts and by different parties hereto in separate counterparts, each of which when so executed shall be deemed to be an original and all of which taken together shall constitute one and the same agreement. Delivery by facsimile or electronic mail (in .pdf or .tif format) of an executed signature page of this Amendment shall be effective as delivery of an executed counterpart hereof.

Section 7. Headings. Section headings in this Amendment are included herein for convenience of reference only and shall not constitute a part of this Amendment for any other purpose.

[Signature pages follow.]

IN WITNESS WHEREOF, the parties hereto have executed and delivered this Amendment as of the date first written above.

THOROUGHbred FUNDING, INC.,
as SPV

By: /s/ Christopher J. Ceraso
Name: Christopher J. Ceraso
Title: Chairman and President

NORFOLK SOUTHERN RAILWAY COMPANY,
as Originator and as Servicer

By: /s/ Christopher J. Ceraso
Name: Christopher J. Ceraso
Title: VP & Treasurer

NORFOLK SOUTHERN CORPORATION

By: /s/ Christopher J. Ceraso
Name: Christopher J. Ceraso
Title: VP & Treasurer

*Signature Page to Amendment No. 3 to
Amended and Restated Transfer and Administration Agreement*

SMBC NIKKO SECURITIES AMERICA, INC.,
as Administrative Agent and a Managing Agent

By: /s/Takashi Fueno
Name: Takashi Fueno
Title: Managing Director

SUMITOMO MITSUI BANKING CORPORATION,
as a Committed Investor

By: /s/ Minxiao Tian
Name: Minxiao Tian
Title: Director

*Signature Page to Amendment No. 3 to
Amended and Restated Transfer and Administration Agreement*

CAPITAL ONE, NATIONAL ASSOCIATION,
as a Managing Agent and a Committed Investor

By: /s/ Julianne Low
Name: Julianne Low
Title: Senior Director

*Signature Page to Amendment No. 3 to
Amended and Restated Transfer and Administration Agreement4893-9959-7248v.2*

U.S. BANK NATIONAL ASSOCIATION,
as a Managing Agent and a Committed Investor

By: /s/ Judd Dudgeon
Name: Judd Dudgeon
Title: Vice President

*Signature Page to Amendment No. 3 to
Amended and Restated Transfer and Administration Agreement4893-9959-7248v.2*

Exhibit 10.2

FIRST AMENDMENT TO TERM LOAN CREDIT AGREEMENT

This **FIRST AMENDMENT TO TERM LOAN CREDIT AGREEMENT**, dated as of July 19, 2024 (this "Amendment"), is entered into among **NORFOLK SOUTHERN CORPORATION** (the "Borrower"), the Lenders party hereto, and **BANK OF AMERICA, N.A.**, as administrative agent (together with any successor Administrative Agent, in such capacity, the "Administrative Agent"). Capitalized terms used and not defined herein shall have the meanings assigned to such terms in the Existing Agreement (as herein defined).

RECITALS

WHEREAS, the Borrower, the Lenders and the Administrative Agent are parties to that certain Term Loan Credit Agreement, dated as of January 26, 2024 (as amended, restated, amended and restated, supplemented or otherwise modified and in effect prior to the date hereof, the "Existing Agreement"; the Existing Agreement as amended hereby, the "Credit Agreement");

WHEREAS, the Borrower, the Lenders, and the Administrative Agent have agreed to amend the Existing Agreement to extend the Availability Period for 90 calendar days on the terms and conditions set forth herein.

NOW, THEREFORE, in consideration of the foregoing premises and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the following shall be effective:

ARTICLE I

AMENDMENTS TO CREDIT AGREEMENT

Effective upon the First Amendment Effective Date (as herein defined), the Existing Agreement is hereby amended as follows:

1.1 The defined term "Availability Period" is hereby amended and restated in its entirety as follows:

"Availability Period" means the period from and including the Closing Date to the earliest of (i) October 22, 2024 and (ii) the date of termination of the aggregate Commitments pursuant to Section 2.9 and Section 2.12.

ARTICLE II

CONDITIONS TO EFFECTIVENESS

2.1 This Amendment shall become effective as of the date (the First Amendment Effective Date) when, and only when, each of the following conditions precedent shall have been satisfied:

(a) Amendment. The Administrative Agent shall have received this Amendment executed and delivered by a duly authorized officer of the Borrower and each Lender.

(b) Representations and Warranties. The representations and warranties made pursuant to Article III of this Amendment shall be true and complete in all material respects (or, in the case of any such representation or warranty already qualified by materiality, in all respects) on and as of such date with the same force and effect as if made on and as of such date (except to the extent such representations and warranties specifically relate to an earlier date, in which case such representations and warranties shall be true in all material respects as of such earlier date).

(c) Expenses. The Borrower shall have paid, to the extent invoiced at least two (2) Business Days prior to the First Amendment Effective Date, all reasonable and documented out-of-pocket costs and expenses of the Administrative Agent in connection with the negotiation, preparation, execution, and delivery of this Amendment and each other document contemplated hereby (including, without limitation, the reasonable fees and expenses of counsel).

ARTICLE III

REPRESENTATIONS AND WARRANTIES

3.1 In order to induce the Administrative Agent and the Lenders to enter into this Amendment, the Borrower hereby represents and warrants to the Administrative Agent and the Lenders on and as of the First Amendment Effective Date that:

(a) Existence, Qualification and Power. The Borrower (i) is duly incorporated, validly existing and in good standing under the laws of the jurisdiction of its incorporation, (ii) has all requisite corporate power and authority and (iii) has all requisite material governmental licenses, authorizations, consents and approvals to execute and deliver this Amendment and perform its obligations under this Amendment and the Credit Agreement except, in the case referred to in clause (iii) to the extent that failure to do so could not reasonably be expected to have a Material Adverse Change.

(b) Authorization; No Contravention. The execution and delivery by the Borrower of this Amendment and performance by the Borrower of this Amendment and the Credit Agreement have been duly authorized by all necessary corporate or other organizational action, and do not and will not (i) contravene, in any material respect, the terms of its certificate or articles of incorporation or organization or other applicable constitutive documents, (ii) result in the creation of any Lien on any assets of the Borrower, (iii) violate or constitute a default under any material agreement under which Debt may be incurred or any other material agreement or instrument binding upon the Borrower or any of its Consolidated Subsidiaries (excluding any contravention or default of any material agreement or instrument as could not reasonably be expected to result in a Material Adverse Change) or (iv) violate, in any material respect, any applicable law.

(c) Governmental Authorization; Other Consents. No approval, consent, exemption, authorization, or other action by, or notice to, or filing with, any governmental authority or any other person is necessary or required in connection with the execution, delivery or performance by, or enforcement against, the Borrower of this Amendment or the Credit Agreement, except for such approvals, consents, exemptions, authorizations, actions or notices that have been duly obtained, taken or made and are in full force and effect, or such filings, which if not made, would not have any effect on the validity or enforceability of this Amendment or the Credit Agreement or the obligations of the Borrower hereunder or thereunder.

(d) Execution and Delivery; Binding Effect; No Default This Amendment and the Credit Agreement have been duly executed and delivered by the Borrower. This Amendment and the Credit Agreement each constitute a legal, valid and binding obligation of the Borrower party hereto or thereto, as applicable, enforceable against the Borrower in accordance with its terms, subject to (i) applicable Debtor Relief Laws and (ii) equitable principles of general applicability (regardless of whether such enforceability is considered in a proceeding in equity or at law). No Default or Event of Default has occurred and is continuing on the First Amendment Effective Date, both immediately before and immediately after giving effect to this Amendment and the amendments contemplated hereby.

(e) Incorporation of Representations and Warranties. The representations and warranties of the Borrower set forth in the Existing Agreement are true and correct in all material respects (or, in the case of any such representation or warranty already qualified by materiality, in all respects) on and as of the First Amendment Effective Date (or, in the case of any such representation or warranty expressly stated to have been made as of a specific date, as of such specific date).

(f) Representation by Independent Counsel. The Borrower (i) has been represented by independent legal counsel of its choice (or has had the opportunity to consult with

independent legal counsel of its choice) in connection with this Amendment, (ii) has reviewed this Amendment and understands the agreements contained herein and their impact on the terms of the Existing Agreement and the Borrower's rights and obligations thereunder and (iii) has knowingly and voluntarily agreed to execute and deliver this Amendment without duress.

ARTICLE IV

EXPENSES

4.1 The Borrower hereby agrees to pay all reasonable out-of-pocket costs and expenses of the Administrative Agent in connection with the negotiation, preparation, execution, and delivery of this Amendment and each other document contemplated hereby (including, without limitation, the reasonable fees and expenses of counsel).

ARTICLE V

MISCELLANEOUS

5.1 Survival. Except as expressly provided in this Amendment, all of the terms, provisions, covenants, agreements, representations and warranties and conditions of the Existing Agreement shall be and remain in full force and effect as written, unmodified hereby and are hereby ratified by the Borrower. In the event of any conflict between the terms, provisions, covenants, representations and warranties and conditions of this Amendment, on the one hand, and the Existing Agreement, on the other hand, this Amendment shall control.

5.2 Further Assurances. The Borrower agrees to execute such other documents, instruments and agreements and take such further actions reasonably requested by the Administrative Agent to effectuate the provisions of this Amendment.

5 . 3 Severability. Any term or provision of this Amendment that is invalid, illegal or unenforceable in any jurisdiction shall, solely as to that jurisdiction, be ineffective solely to the extent of such invalidity, illegality or unenforceability without rendering invalid, illegal or unenforceable the remaining terms and provisions of this Amendment or affecting the validity, legality or enforceability of any of the terms or provisions of this Amendment in any other jurisdiction. If any provision of this Amendment is so broad as to be unenforceable, the provision shall be interpreted to be only so broad as would be enforceable.

5.4 Governing Law. This Amendment and any claims, controversy, dispute or cause of action (whether in contract or tort or otherwise) based upon, arising out of or relating to this Amendment and the transactions contemplated hereby shall be governed by, and construed in

accordance with, the laws of the jurisdiction that governs the Existing Agreement in accordance with the terms thereof.

5.5 Entire Agreement. This Amendment and the Existing Agreement (as amended hereby) constitute the entire agreement among the parties to the Existing Agreement with respect to the subject matter hereof and supersede all other prior agreements and understandings, both written and verbal, among such parties or any of them with respect to the subject matter hereof. Any exhibits or annexes attached hereto are hereby incorporated herein by reference and made a part hereof.

5.6 Binding Effect, Beneficiaries. This Amendment shall be binding upon and inure to the benefit of the parties to the Existing Agreement and their respective heirs, executors, administrators, successors, legal representatives and assigns, and no other party shall derive any rights or benefits herefrom.

5.7 Construction. This Amendment shall be construed without regard to any presumption or other rule requiring construction against the party drafting this Amendment.

5.8 Notices. All notices relating to this Amendment shall be delivered in the manner and subject to the provisions set forth in the Existing Agreement.

5.9 Counterparts; Effectiveness; Electronic Execution. This Amendment may be executed in counterparts (and by different parties hereto in different counterparts), each of which shall constitute an original, but all of which when taken together shall constitute a single agreement. Except as provided in Article II, this Amendment shall become effective when it shall have been executed by the Administrative Agent and when the Administrative Agent shall have received counterparts hereof that, when taken together, bear the signatures of each of the other parties hereto. Delivery of an executed counterpart of a signature page of this Amendment by facsimile or in electronic (e.g., "pdf" or "tif") format shall be effective as delivery of a manually executed counterpart of this Amendment. The words "execution," "signed," "signature," and words of like import in this Amendment shall be deemed to include electronic signatures or electronic records, each of which shall be of the same legal effect, validity or enforceability as a manually executed signature or the use of a paper-based recordkeeping system, as the case may be, to the extent and as provided for in any applicable law, including the Federal Electronic Signatures in Global and National Commerce Act, the New York State Electronic Signatures and Records Act, or any other similar state laws based on the Uniform Electronic Transactions Act.

5.10 Headings. Article and Section headings used herein are for convenience of reference only, are not part of this Amendment and shall not affect the construction of, or be taken into consideration in interpreting, this Amendment.

5.11 Reference to and Effect on the Existing Agreement. On and after the First Amendment Effective Date, each reference in any Loan Document to the Existing Agreement, “thereunder”, “thereof” or words of like import referring to the Existing Agreement shall mean and be a reference to the Existing Agreement as amended by this Amendment. Except as specifically amended by this Amendment, the Existing Agreement shall remain in full force and effect (with the same priority, as applicable) and are hereby ratified and confirmed and this Amendment shall not be considered a novation. The execution, delivery and performance of this Amendment shall not constitute a waiver of any provision of, or operate as a waiver of any right, power or remedy of the Administrative Agent or any Lender or any other party under, the Credit Agreement. This Amendment shall constitute a Loan Document under the terms of the Credit Agreement.

[Signature Pages to Follow]

IN WITNESS WHEREOF the parties hereto have caused this Amendment to be duly executed as of the date first written above.

BORROWER:

NORFOLK SOUTHERN CORPORATION

By: /s/ Christopher J. Ceraso

Name: Christopher J. Ceraso

Title: Vice President & Treasurer

SIGNATURE PAGE TO
FIRST AMENDMENT TO TERM LOAN CREDIT AGREEMENT
NORFOLK SOUTHERN CORPORATION

AGENT AND LENDERS:

BANK OF AMERICA, N.A., as Administrative Agent

By: /s/ Dianna Benner .

Name: Dianna Benner

Title: Assistant Vice President

SIGNATURE PAGE TO
FIRST AMENDMENT TO TERM LOAN CREDIT AGREEMENT
NORFOLK SOUTHERN CORPORATION

BANK OF AMERICA, N.A., as a Lender

By: /s/ Erika Murphy

Name: Erika Murphy

Title: Vice President

SIGNATURE PAGE TO
FIRST AMENDMENT TO TERM LOAN CREDIT AGREEMENT
NORFOLK SOUTHERN CORPORATION

WELLS FARGO BANK, NATIONAL ASSOCIATION, as
Syndication Agent and as a Lender

By: /s/ Mylissa Merten
Name: Mylissa Merten
Title: Vice President

SIGNATURE PAGE TO
FIRST AMENDMENT TO TERM LOAN CREDIT AGREEMENT
NORFOLK SOUTHERN CORPORATION

SUMITOMO MITSUI BANKING CORPORATION, as Syndication Agent and as a
Lender

By: /s/ Minxiao Tian
Name: Minxiao Tian

SIGNATURE PAGE TO
FIRST AMENDMENT TO TERM LOAN CREDIT AGREEMENT
NORFOLK SOUTHERN CORPORATION

CITIBANK, N.A., as a Lender

By: /s/ Susan Olsen

Name: Susan Olsen

Title: Vice President

SIGNATURE PAGE TO
FIRST AMENDMENT TO TERM LOAN CREDIT AGREEMENT
NORFOLK SOUTHERN CORPORATION

GOLDMAN SACHS BANK USA, as a Lender

By: /s/ Priyankush Goswami

Name: Priyankush Goswami

Title: Authorized Signatory

SIGNATURE PAGE TO
FIRST AMENDMENT TO TERM LOAN CREDIT AGREEMENT
NORFOLK SOUTHERN CORPORATION

MORGAN STANLEY BANK, N.A., as a Lender

By: /s/ Jack Kuhns

Name: Jack Kuhns

Title: Vice President

SIGNATURE PAGE TO
FIRST AMENDMENT TO TERM LOAN CREDIT AGREEMENT
NORFOLK SOUTHERN CORPORATION

U.S. BANK NATIONAL ASSOCIATION, as a Lender

By: /s/ Eric M. Herm

Name: Eric M. Herm

Title: Vice President

SIGNATURE PAGE TO
FIRST AMENDMENT TO TERM LOAN CREDIT AGREEMENT
NORFOLK SOUTHERN CORPORATION

PNC BANK, NATIONAL ASSOCIATION, as a Lender

By: /s/ Larry D. Jackson

Name: Larry D. Jackson

Title: Senior Vice President

SIGNATURE PAGE TO
FIRST AMENDMENT TO TERM LOAN CREDIT AGREEMENT
NORFOLK SOUTHERN CORPORATION

CAPITAL ONE, NATIONAL ASSOCIATION, as a Lender

By: /s/ William Panagis

Name: William Panagis

Title: Duly Authorized Signatory

SIGNATURE PAGE TO
FIRST AMENDMENT TO TERM LOAN CREDIT AGREEMENT
NORFOLK SOUTHERN CORPORATION

THE NORTHERN TRUST COMPANY, as a Lender

By: /s/ Kimberly A Crotty

Name: Kimberly A. Crotty

Title: Senior Vice President

SIGNATURE PAGE TO
FIRST AMENDMENT TO TERM LOAN CREDIT AGREEMENT
NORFOLK SOUTHERN CORPORATION

CERTIFICATIONS

I, Alan H. Shaw, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of Norfolk Southern Corporation;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - a. Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - b. Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - c. Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - d. Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - a. All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - b. Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Dated: July 26, 2024

/s/ Alan H. Shaw

Alan H. Shaw
President and Chief Executive Officer

CERTIFICATIONS

I, Mark R. George, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of Norfolk Southern Corporation;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - a. Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - b. Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - c. Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - d. Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - a. All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - b. Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Dated: July 26, 2024

/s/ Mark R. George

Mark R. George

Executive Vice President and Chief Financial Officer

CERTIFICATIONS OF CEO AND CFO REQUIRED BY RULE 13a-14(b) OR RULE
15d-14(b) AND SECTION 1350 OF CHAPTER 63 OF TITLE 18 OF THE U.S. CODE

I certify, to the best of my knowledge, that the Quarterly Report on Form 10-Q for the period ended June 30, 2024, of Norfolk Southern Corporation fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934 and that the information contained in the Form 10-Q fairly presents, in all material respects, the financial condition and results of operations of Norfolk Southern Corporation.

Signed: /s/ Alan H. Shaw
Alan H. Shaw
President and Chief Executive Officer
Norfolk Southern Corporation

Dated: July 26, 2024

I certify, to the best of my knowledge, that the Quarterly Report on Form 10-Q for the period ended June 30, 2024, of Norfolk Southern Corporation fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934 and that the information contained in the Form 10-Q fairly presents, in all material respects, the financial condition and results of operations of Norfolk Southern Corporation.

Signed: /s/ Mark R. George
Mark R. George
Executive Vice President and Chief Financial Officer
Norfolk Southern Corporation

Dated: July 26, 2024