AMENDMENT TO THE AMENDMENT IN THE NATURE OF A SUBSTITUTE TO H.R. 2 OFFERED BY MR. DEFAZIO OF OREGON

Page 33, after line 5, insert the following:

1 (D) Obligation Limitation.—Notwith-2 standing any other provision of law, for fiscal 3 year 2021, obligations for activities authorized 4 under this paragraph shall not exceed 5 \$5,794,851,538.

Page 37, after line 17, insert the following:

(5) APPLICATION OF LAW.—For purposes of paragraph (1), the Secretary shall apply section 7001(b) of this Act when providing the additional 30 percent of total project costs to any project that meets the criteria in such section.

Page 39, after line 3, insert the following:

11 (C) OBLIGATION LIMITATION.—Notwith12 standing any other provision of law, for fiscal
13 year 2021, obligations for activities authorized
14 under this paragraph and obligations for activi15 ties authorized under section

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	2
1	101(a)(2)(A)(i)(II)(bb) that exceed amounts au-
2	thorized under section 4001(a)(6) of the FAST
3	Act (Public Law 114–94) shall not exceed
4	\$247,783,000.
	Page 41, strike line 17 and insert the following:
5	(1) Authorization of appropriations.—
6	(A) In general.—In
	Page 41, after line 21, insert the following:
7	(B) Obligation Limitation.—Notwith-
8	standing any other provision of law, for fiscal
9	year 2021, obligations for activities authorized
10	under this paragraph shall not exceed
11	\$209,900,000.
	Page 45, after line 6, insert the following:
12	(c) Exception for Immediate Application.—
13	Subsections (a) and (b) shall not apply to section 1105
14	and the amendments made by such section.
se	Page 47, line 16, strike the period and insert a emicolon.
	Page 50, line 10, insert "of paragraph (1)" after

Page 50, strike line 14 and all that follows through page 52, line 2 and insert the following:

1	(1) FINDINGS.—Congress finds that—
2	(A) despite the real improvements caused
3	by the disadvantaged business enterprise pro-
4	gram, minority- and women-owned businesses
5	across the country continue to confront serious
6	and significant obstacles to success caused by
7	race and gender discrimination in the federally
8	assisted surface transportation market and re-
9	lated markets across the United States;
10	(B) the continuing race and gender dis-
11	crimination described in subparagraph (A) mer-
12	its the continuation of the disadvantaged busi-
13	ness enterprise program;
14	(C) recently, the disparities cause by dis-
15	crimination against African American, Hispanic
16	American, Asian American, Native American,
17	and women business owners have been further
18	exacerbated by the coronavirus pandemic and
19	its disproportionate effects on minority- and
20	women-owned businesses across the nation;
21	(D) Congress has received and reviewed
22	testimony and documentation of race and gen-
23	der discrimination from numerous sources, in-

1	cluding congressional hearings and other inves-
2	tigative activities, scientific reports, reports
3	issued by public and private agencies at every
4	level of government, news reports, academic
5	publications, reports of discrimination by orga-
6	nizations and individuals, and discrimination
7	lawsuits, which continue to demonstrate that
8	race- and gender-neutral efforts alone are insuf-
9	ficient to address the problem;
10	(E) the testimony and documentation de-
11	scribed in subparagraph (D) demonstrate that
12	discrimination across the United States poses
13	an injurious and enduring barrier to full and
14	fair participation in surface transportation-re-
15	lated businesses of women business owners and
16	minority business owners and has negatively af-
17	fected firm formation, development and success
18	in many aspects of surface transportation-re-
19	lated business in the public and private mar-
20	kets; and
21	(F) the testimony and documentation de-
22	scribed in subparagraph (D) provide a clear pic-
23	ture of the inequality caused by discrimination
24	that continues to plague our nation and a

strong basis that there is a compelling need for

5		
1 the continuation of the disadvantaged business		
2 enterprise program to address race and gender		
discrimination in surface transportation-related		
4 business.		
Page 56, line 23, strike "\$62,163,350,954" and insert "\$62,159,350,954".		
Page 56, line 24, strike "\$63,125,354,776" and insert "\$63,121,354,776".		
Page 56, line 25, strike "\$64,350,443,712" and insert "\$64,346,443,712".		
Page 57, line 1, strike "\$65,184,125,186" and insert "\$65,180,125,186".		
Page 60, line 14, insert a comma after "years".		
Page 62, line 1, strike "sections" and insert "section".		
Page 65, line 24, strike "and (44)" and insert		
"(44), (45), and (46)".		
Page 66, line 17, insert "in" before "paragraph".		
Page 72, after line 6, insert the following:		
5 (L) by inserting after paragraph (44), as		
6 so redesignated, the following:		

1	"(45) Transportation demand manage-
2	MENT; TDM.—The terms 'transportation demand
3	management' and 'TDM' mean the use of strategies
4	to inform and encourage travelers to maximize the
5	efficiency of a transportation system leading to im-
6	proved mobility, reduced congestion, and lower vehi-
7	cle emissions.
8	"(46) Transportation demand manage-
9	MENT STRATEGIES.—The term 'transportation de-
10	mand management strategies' means the use of
11	planning, programs, policy, marketing, communica-
12	tions, incentives, pricing, and technology to shift
13	travel mode, routes used, departure times, number
14	of trips, and location and design work space or pub-
15	lie attractions.".
	Page 72 line 15 strike the comiceles and insert a

Page 73, line 15, strike the semicolon and insert a colon.

Page 78, line 12, strike "Pre-disaster" and insert "Predisaster".

Page 78, line 13, strike "pre-disaster" and insert "predisaster".

Page 88, line 5, strike the semicolon and insert a period.

Page 89, beginning on line 13, strike "Congressional" and insert "congressional".

Page 102, line 7, strike "provides" and insert "provide".

Page 102, line 3, insert "the" after "collaborate with".

Page 103, line 24, insert a comma after "local governments".

Page 106, after line 24, insert the following: (and redesignate subsequent paragraphs accordingly):

(2) by striking clause (ii) and inserting the fol-1 2 lowing: 3 "(ii) innovative construction equip-4 ment, materials, techniques, or practices, 5 including the use of in-place recycling tech-6 nology, digital 3-dimensional modeling 7 technologies, and advanced digital con-8 struction management systems;";

Page 107, line 16, strike "asides" and insert "Asides".

Page 110, line 16, strike "(iv)" and insert "(ix)".

Page 117, beginning on line 5, strike "45 miles per hour, in the case of a toll facility with a speed limit of 50 miles per hour or greater" and insert "35 miles per hour, in the case of a toll facility with a speed limit of 45 miles per hour or greater".

Page 125, after line 21, insert the following (and redesignate accordingly):

- 1 (2) in subsection (d)(2)(A) by striking "45"
- 2 miles per hour, in the case of a toll facility with a
- 3 speed of 50 miles per hour or greater" and inserting
- 4 "35 miles per hour, in the case of a toll facility with
- 5 a speed limit of 45 miles per hour or greater";

Page 125, line 8, insert a comma after "Act".

Page 125, after line 11, insert the following:

- 6 (e) Report.—Not later than 180 days after the date
- 7 of enactment of this Act, the Secretary of Transportation
- 8 shall submit to Congress a report on the implementation
- 9 of the interoperability of toll collection as required under
- 10 section 1512(b) of MAP-21, including an assessment of
- 11 the progress in, and barriers on, such implementation.

Page 127, line 6, insert a period before the em dash.

Page 127, line 15, insert a period before the em dash.

Page 127, line 18, insert a period before the em dash.

At the end of subtitle A of title I of division B, add the following:

SEC. 1113. FEDERAL-AID HIGHWAY PROJECT REQUIRE-

- 2 **MENTS.**
- 3 (a) In General.—Except as otherwise provided in
- 4 subsection (b), notwithstanding any other provision of law,
- 5 the Secretary shall require recipients of assistance under
- 6 title 23, United States Code, and title I of division B this
- 7 Act and the amendments made by this Act to comply with
- 8 subsection (a) of section 113 of title 23, United States
- 9 Code, with respect to all construction work, in the same
- 10 manner that recipients of assistance under chapter 1 of
- 11 such title are required to comply with such subsection for
- 12 construction work performed on highway projects on Fed-
- 13 eral-aid highways.
- 14 (b) Treatment of Certain Projects.—The Sec-
- 15 retary shall apply the requirements of section 1306(l) of
- 16 this Act and sections 117(k), 172(j), and 173(k) of title
- 17 23, United States Code, to a project funded with a grant
- 18 under such sections.

1	SEC. 1114. STATE ASSUMPTION OF RESPONSIBILITY FOR
2	CATEGORICAL EXCLUSIONS.
3	Section 326(c)(3) of title 23, United States Code, is
4	amended—
5	(1) by striking subparagraph (A) and inserting
6	the following:
7	"(A) except as provided under subpara-
8	graph (C), have a term of not more than 3
9	years;";
10	(2) in subparagraph (B) by striking the period
11	at the end and inserting "; and"; and
12	(3) by adding at the end the following:
13	"(C) for any State that has assumed the
14	responsibility for categorical exclusions under
15	this section for at least 10 years, have a term
16	of 5 years.".
17	SEC. 1115. SURFACE TRANSPORTATION PROJECT DELIV-
18	ERY PROGRAM WRITTEN AGREEMENTS.
19	Section 327 of title 23, United States Code, is
20	amended—
21	(1) in subsection (c)—
22	(A) by striking paragraph (5) and insert-
23	ing the following:
24	"(5) except as provided under paragraph (7),
25	have a term of not more than 5 years;";

1	(B) in paragraph (6) by striking the period
2	at the end and inserting "; and"; and
3	(C) by adding at the end the following:
4	"(7) for any State that has participated in a
5	program under this section (or under a predecessor
6	program) for at least 10 years, have a term of 10
7	years.";
8	(2) in subsection $(g)(1)$ —
9	(A) in subparagraph (C) by striking "an-
10	nual";
11	(B) in subparagraph (B) by striking "and"
12	at the end;
13	(C) by redesignating subparagraph (C) as
14	subparagraph (D); and
15	(D) by inserting after subparagraph (B)
16	the following:
17	"(C) in the case of an agreement period of
18	greater than 5 years under subsection $(c)(7)$,
19	conduct an audit covering the first 5 years of
20	the agreement period; and"; and
21	(3) by adding at the end the following:
22	"(m) AGENCY DEEMED TO BE FEDERAL AGENCY.—
23	A State agency that is assigned a responsibility under an
24	agreement under this section shall be deemed to be a Fed-

eral agency for the purposes of all Federal laws pursuant to which the responsibility is exercised.". 3 SEC. 1116. CORROSION PREVENTION FOR BRIDGES. 4 (a) Definitions.—In this section: 5 (1) APPLICABLE BRIDGE PROJECTS.—The term 6 "applicable bridge projects" means a project for con-7 struction, alteration, or maintenance work, other 8 than de minimus maintenance or repair work as de-9 termined by the applicable State department of 10 transportation, on a bridge or overpass structure funded under this title. 11 12 (2) Certified Contractor.—The term "certified contractor" means a contracting or subcon-13 14 tracting firm that has been certified by a third party 15 organization that evaluates the capability of the con-16 tractor or subcontractor to properly perform one or 17 more specified aspects of applicable bridge projects 18 as defined in subsection (b)(2). 19 (3) Qualified training program.—The term "qualified training program" means a training pro-20 21 gram in corrosion control, mitigation and prevention, 22 that is either offered or accredited by an organiza-23 tion that sets industry corrosion standards or is rec-

ognized in corrosion management transportation

structures by the Department of Transportation, for

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June 17, 2020 (8:01 a.m.)

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1	the purposes of controlling, mitigating and pre-
2	venting corrosion, or a program registered under the
3	Act of August 16, 1937 (29 U.S.C. 50 et seq.) (com-
4	monly known as the "National Apprenticeship Act")
5	that meets the requirements of parts 29 and 30 of
6	title 29, Code of Federal Regulations as in effect on
7	January 1, 2020.
8	(b) APPLICABLE BRIDGE PROJECTS.—
9	(1) QUALITY CONTROL.—A certified contractor
10	shall carry out aspects of an applicable bridge
11	project described in paragraph (2).
12	(2) Aspects of applicable bridge
13	PROJECTS.—Aspects of an applicable bridge project
14	referred to in paragraph (1) include—
15	(A) surface preparation or coating applica-
16	tion on steel or rebar of an applicable bridge
17	project;
18	(B) removal of a lead-based or other haz-
19	ardous coating from steel of an existing applica-
20	ble bridge project;
21	(C) shop painting of structural steel or
22	rebar fabricated for installation on an applica-
23	ble bridge project; and

1	(D) the design, application, installation
2	and maintenance of a cathodic protection sys-
3	tem on an applicable bridge project.
4	(3) Corrosion management system.—A
5	State transportation department shall—
6	(A) implement a corrosion management
7	system that utilizes industry-recognized stand-
8	ards and corrosion mitigation and prevention
9	methods to address—
10	(i) surface preparation;
11	(ii) protective coatings;
12	(iii) materials selection;
13	(iv) cathodic protection;
14	(v) corrosion engineering;
15	(vi) personnel training; and
16	(vii) best practices in environmental
17	protection to prevent environmental deg-
18	radation and uphold public health;
19	(B) require certified contractors that em-
20	ploy appropriately trained and certified coating
21	applicators to carry out aspects of applicable
22	bridge projects as described in paragraph (2);
23	and
24	(C) use certified cathodic protection profes-
25	sionals for all aspects of applicable bridge

1	projects that require knowledge of the design,
2	installation, monitoring, or maintenance of a
3	cathodic protection system.
4	(c) Training Program.—As a condition of entering
5	into a contract for an applicable bridge project, each cer-
6	tified contractor shall provide training, through a qualified
7	training program, for each applicable craft or trade classi-
8	fication of employees that the certified contractor intends
9	to employ to carry out aspects of applicable bridge projects
10	as described in subsection $(b)(2)$.

Page 133, line 14, strike the first "; and" and insert a period.

Page 133, after line 14, insert the following:

11	"(U) Undergrounding public utilities in the
12	course of other infrastructure improvements eli-
13	gible under this section to mitigate the cost of
14	recurring damages from extreme weather
15	events, wildfire or other natural disasters."; and

Page 136, line 24, strike "flood plain" and insert "flood-prone area".

Page 138, line 2, insert "or landslide" after "wildfire".

Page 155, after line 23, insert the following (and redesignate accordingly):

1	"(h) Improving the Emergency Relief Pro-
2	GRAM.—Not later than 90 days after the date of enact-
3	ment of this Act, the Secretary shall—
4	"(1) revise the emergency relief manual of the
5	Federal Highway Administration—
6	"(A) to include and reflect the definition of
7	the term 'resilience' (as defined in section
8	101(a));
9	"(B) to identify procedures that States
10	may use to incorporate resilience into emer-
11	gency relief projects; and
12	"(C) to encourage the use of context sen-
13	sitive design principles and consideration of ac-
14	cess for moderate- and low-income families im-
15	pacted by a declared disaster;
16	"(2) develop best practices for improving the
17	use of resilience in—
18	"(A) the emergency relief program under
19	section 125 of title 23; and
20	"(B) emergency relief efforts;
21	"(3) provide to division offices of the Federal
22	Highway Administration and State departments of

1	transportation information on the best practices de-
2	veloped under paragraph (2); and
3	"(4) develop and implement a process to
4	track—
5	"(A) the consideration of resilience as part
6	of the emergency relief program under section
7	125 of title 23; and
8	"(B) the costs of emergency relief
9	projects.".

Page 165, line 11, insert "and vegetation control and clearance" before ") to enhance".

Page 167, line 3, strike "55 percent" and insert "57 percent for fiscal year 2022, 58 percent for fiscal year 2023, 59 percent for fiscal year 2024, and 60 percent for fiscal year 2025".

Page 173, line 3, insert ", local roads," before "or".

Page 179, line 4, insert ", facilitate wildfire control," after "species".

Page 180, line 25, insert ", including a county or multi-county special district" before the semicolon.

Page 202, line 14, after "State" insert "or a metropolitan planning organization within the State".

Page 202, line 15, after "State" insert "or metropolitan planning organization".

Page 207, beginning at line 8, strike "2 years after" and insert "on".

Page 207, beginning at line 21, strike "for fiscal year 2020" and all that follows through line 23 and insert "for fiscal year 2020, less any amounts obligated by a metropolitan planning organization in the State as required by subparagraph (D), for—".

Page 207, after line 23, insert the following:

"(i) in the first fiscal year—

"(I) performing the vulnerable user safety assessment as prescribed by subsection (l);

1	"(II) providing matching funds
2	for transportation alternatives safety
3	project as identified in section
4	133(h)(7)(B); and
5	"(III) projects eligible under sec-
6	tion $133(h)(3)(A)$, (B), (C), or (I);
7	and
8	"(ii) in each fiscal year thereafter, the
9	program of projects identified in subsection
10	(1)(2)(C).".

Page 208, strike the closing quotation marks and semicolon at line 6, and after line 6 insert the following:

1	"(D) METROPOLITAN PLANNING AREA
2	WITH EXCESSIVE FATALITIES AND SERIOUS IN-
3	JURIES PER CAPITA.—
4	"(i) Annual determination.—Be-
5	ginning on the date of enactment of the
6	INVEST in America Act, a metropolitan
7	planning organization representing an ur-
8	banized area with a population greater
9	than 200,000 shall annually determine the
10	number of vulnerable user road fatalities
11	and serious injuries per capita in such area
12	over the most recent 2-year period.
13	"(ii) Requirement to obligate
14	FUNDS.—If such a metropolitan planning
15	area organization determines that the
16	number of vulnerable user road fatalities
17	and serious injuries per capita in such area
18	over the most recent 2-year period for
19	which data are available exceeds the me-
20	dian number of such fatalities and serious
21	injuries among all urbanized areas with a
22	population of over 200,000, then there
23	shall be obligated over the 2 fiscal years

1	following the fiscal year in which such de-
2	termination is made an amount that is not
3	less than 50 percent of the amount set
4	aside for that urbanized area under section
5	133(h)(2) for fiscal year 2020 for projects
6	identified in the program of projects de-
7	scribed in subsection (l)(7)(C).
8	"(E) Source of funds.—
9	"(i) Metropolitan planning orga-
10	NIZATION IN STATE REQUIRED TO OBLI-
11	GATE FUNDS.—For a metropolitan plan-
12	ning organization in a State required to
13	obligate funds to vulnerable user safety
14	under subparagraph (A), the State shall be
15	required to obligate from such amounts re-
16	quired to be obligated for vulnerable road
17	user safety under subparagraph (B) for
18	projects described in subsection (l)(7).
19	"(ii) Other metropolitan plan-
20	NING ORGANIZATIONS.—For a metropoli-
21	tan planning organization that is not lo-
22	cated within a State required to obligate
23	funds to vulnerable user safety under sub-
24	paragraph (A), the State shall be required
25	to obligate from amounts apportioned

- 1 under section 104(b)(3) for projects de-2 scribed in subsection (l)(7).";
- Page 208, line 13, strike "2 years" and insert "1 year".

Page 208, line 25, insert ", in coordination with local governments, metropolitan planning organizations, and regional transportation planning organizations that represent a high-risk area identified under paragraph (2)(B)," after "a State".

Page 209, line 5, after "subparagraph (B)" insert ", in coordination with local governments, metropolitan planning organizations, and regional transportation planning organizations that represent a high-risk area identified under paragraph (2)(B)".

Page 209, line 14, strike "consult" and insert "coordinate".

Page 210, at line 2 strike the closing quotation marks and second period, and after line 2 insert the following:

- 3 "(7) Metropolitan planning area assess-
- 4 MENTS.—A metropolitan planning organization that
- 5 represents an urbanized area with a population
- 6 greater than 200,000 shall complete a vulnerable

1	user safety assessment based on the most recent 5
2	years of available data, unless an assessment was
3	completed in the previous five years, including
4	"(A) a description of the location within
5	the urbanized area of each vulnerable road user
6	fatality and serious injury and the design speed
7	of the roadway at any such location;
8	"(B) a description of any corridors that
9	represent a high-risk area identified under
10	paragraph (2)(B) that pose a high risk of a vul-
11	nerable road user fatality or serious injury and
12	the design speeds of such corridors; and
13	"(C) a program of projects or strategies to
14	reduce safety risks to vulnerable road users in
15	corridors identified under subparagraph (B).".
	Page 215, after line 5, insert the following:
16	(d) Agreements Relating to the Use and Ac-
17	CESS OF RIGHTS-OF-WAY OF THE INTERSTATE SYS-
18	TEM.—Section 111 of title 23, United States Code, is
19	amended by adding at the end the following:
20	"(f) Interstate System Rights-of Way.—
21	"(1) In General.—Notwithstanding sub-
22	sections (a) or (b), the Secretary shall permit, con-
23	sistent with section 155, the charging of electric ve-
24	hicles on rights-of-way of the Interstate System in—

1	"(A) a rest area; or	
2	"(B) a fringe or corridor parking facility,	
3	including a park and ride facility.	
4	"(2) SAVINGS CLAUSE.—Nothing in this sub-	
5	section shall permit commercial activities on rights-	
6	of-way of the Interstate System, except as necessary	
7	for the charging of electric vehicles in accordance	
8	with this subsection.".	
Page 229, line 15, strike "one or more" and insert "at least one full-time".		
	Page 229, strike line 21 through page 230, line 5	
and	insert the following:	
and 9	insert the following: "(2) Electric bicycle.—The term 'electric	
9	"(2) Electric bicycle.—The term 'electric	
9 10	"(2) ELECTRIC BICYCLE.—The term 'electric bicycle' means mean a bicycle equipped with fully	
9 10 11	"(2) ELECTRIC BICYCLE.—The term 'electric bicycle' means mean a bicycle equipped with fully operable pedals, a saddle or seat for the rider, and	
9 10 11 12	"(2) ELECTRIC BICYCLE.—The term 'electric bicycle' means mean a bicycle equipped with fully operable pedals, a saddle or seat for the rider, and an electric motor of less than 750 watts that can	
9 10 11 12 13	"(2) ELECTRIC BICYCLE.—The term 'electric bicycle' means mean a bicycle equipped with fully operable pedals, a saddle or seat for the rider, and an electric motor of less than 750 watts that can safely share a bicycle transportation facility with	
9 10 11 12 13 14	"(2) ELECTRIC BICYCLE.—The term 'electric bicycle' means mean a bicycle equipped with fully operable pedals, a saddle or seat for the rider, and an electric motor of less than 750 watts that can safely share a bicycle transportation facility with other users of such facility and meets the require-	
9 10 11 12 13 14 15	"(2) ELECTRIC BICYCLE.—The term 'electric bicycle' means mean a bicycle equipped with fully operable pedals, a saddle or seat for the rider, and an electric motor of less than 750 watts that can safely share a bicycle transportation facility with other users of such facility and meets the requirements of one of the following three classes:	
9 10 11 12 13 14 15 16	"(2) ELECTRIC BICYCLE.—The term 'electric bicycle' means mean a bicycle equipped with fully operable pedals, a saddle or seat for the rider, and an electric motor of less than 750 watts that can safely share a bicycle transportation facility with other users of such facility and meets the requirements of one of the following three classes: "(A) CLASS 1 ELECTRIC BICYCLE.—The	

1	that ceases to provide assistance when the bicy-
2	cle reaches the speed of 20 miles per hour.
3	"(B) CLASS 2 ELECTRIC BICYCLE.—The
4	term 'class 2 electric bicycle' means an electric
5	bicycle equipped with a motor that may be used
6	exclusively to propel the bicycle, and that is not
7	capable of providing assistance when the bicycle
8	reaches the speed of 20 miles per hour.
9	"(C) CLASS 3 ELECTRIC BICYCLE.—The
10	term 'class 3 electric bicycle' means an electric
11	bicycle equipped with a motor that provides as-
12	sistance only when the rider is pedaling, and
13	that ceases to provide assistance when the bicy-
14	cle reaches the speed of 28 miles per hour.".
	Page 231, line 8, insert "or territory" after "State".
	Page 231, line 10, insert "or territory" after

Page 231, line 10, insert "or territory" after "State".

Page 231, line 13, insert "or territory" after "State".

Page 231, line 15, insert "or territory" after "State".

Page 235, line 2, insert ", or that is eligible to be carried out under section 165" before the semicolon.

Page 235, line 6, insert ", or that is eligible to be carried out under section 165" before the semicolon.

Page 251, line 20, insert "or territory" after "State".

Page 262, line 7, insert "(as such term is defined in section 401)" after "State".

Page 267, line 11, strike "and" at the end.

Page 267, after line 17, insert the following:

1	"(vi) reducing greenhouse gas emis-
2	sions in established goods-movement cor-
3	ridors, locations serving first- and last-mile
4	freight near ports and freight hubs, and lo-
5	cations that optimize infrastructure net-
6	works and reduce hazardous air pollutants
7	in communities disproportionately im-
8	pacted by such pollutants; and"

Page 268, line 16, insert "or hydrogen fueling" after "charging".

Page 268, line 19, insert "or fueling" after "charging".

Page 268, line 21, insert "or hydrogen fueling" after "charging".

Page 273, line 2, insert ", or a county or multicounty special district" before the period.

Page 273, line 22, insert "or supports fueling infrastructure for fuels defined under section 9001(5) of the Farm Security and Rural Investment Act of 2002 (7 U.S.C. 8101(5))" after "title 49".

Page 275, line 20, strike "and" at the end.

Page 275, line 24, strike the period at the end and insert "; and".

Page 275, after line 24, insert the following:

"(8) a project repurposes neglected or underused infrastructure, including abandoned highways, bridges, railways, trail ways, and adjacent underused spaces, into new hybrid forms of public space that support multiple modes of transportation.".

Page 281, strike lines 17 through 19 and insert the following:

7 (F) whether the applicant is a designated 8 recipient of funds from the Federal Transit Ad-9 ministration as described under subsections (A) 10 and (B) of section 5302(4) of title 49, United 11 States Code; and

	21
1	(G) any other criteria established by the
2	Secretary.
	Page 284, strike lines 6 through 17 and insert the
foll	lowing:
3	(A) In general.—The direct recipient
4	may collaborate with a State, unit of local gov-
5	ernment, regional entity, or transit agency to
6	carry out a project under this section and en-
7	sure compliance with all applicable Federal re-
8	quirements.
9	(B) STATE AUTHORITY.—The State may
10	exercise, on behalf of the direct recipient, any
11	available decisionmaking authorities or actions
12	assumed from the Secretary.
13	(C) USE OF FUNDS.—The direct recipient
14	may use amounts made available under this
15	section to compensate a State, unit of local gov-
16	ernment, regional entity, or transit agency for
17	costs incurred in providing assistance under
18	this paragraph.
	Page 288, strike line 22 and all that follows through
pag	ge 289, line 2 (and redesignate accordingly).

Page 298, line 20, strike "and" at the end.

Page 298, line 22, strike the period at the end and insert "; and".

Page 298, after line 22, insert the following:

- 1 (vi) integrates regional multimodal
 2 transportation management and oper3 ational projects that address both pas4 senger and freight congestion.
 - Page 304, line 7, strike "and" at the end.

Page 304, after line 7, insert the following (and redesignate accordingly):

5 (6) a territory; and

Page 314, line 19, insert ", including a county or multi-county special district" before the semicolon.

Page 365, line 4, strike "Tribal" and insert "tribal".

Page 368, after line 18, insert the following:

6 SEC. 1509. STUDY ON FEDERAL FUNDING AVAILABLE TO IN-

- 7 DIAN TRIBES.
- 8 Not later than January 31 of each year, the Sec-
- 9 retary of Transportation shall submit to the Committee
- 10 on Transportation and Infrastructure of the House of
- 11 Representatives and the Committee on Environment and
- 12 Public Works of the Senate a report that—

1	(1) identifies the number of Indian Tribes that
2	were direct recipients of funds under any discre-
3	tionary Federal highway, transit, or highway safety
4	program in the prior fiscal year;
5	(2) lists the total amount of such funds made
6	available directly to such Tribes;
7	(3) identifies the number and location of Indian
8	Tribes that were indirect recipients of funds under
9	any formula-based Federal highway, transit, or high-
10	way safety program in the prior fiscal year; and
11	(4) lists the total amount of such funds made
12	available indirectly to such tribes through states or
13	other direct recipients of Federal highway, transit or
14	highway safety funding.
	Page 374, line 8, insert ", without regard to owner-
ship	of a highway," after "means".
	Page 374, line 21, strike "and" and insert "or".
	Page 374, beginning on line 25, strike "of access".
	Page 375, after line 11, insert the following (and re-
desi	gnate accordingly):
15	(10) Project.—The term "project" has the
16	meaning given such term in section 101 of title 23,
17	United States Code.

Page 375, line 15, strike "101" and insert "401".

Page 377, strike line 3 and all that follows through page 378, line 2 and insert the following:

1	(2) 37
1	(2) Notice of Planned Construction for
2	BROADBAND PROVIDERS.—
3	(A) Notice.—The State department of
4	transportation, in consultation with appropriate
5	State agencies, shall establish a process—
6	(i) for the registration of broadband
7	providers that seek to be included in the
8	advance notification of, and opportunity to
9	participate in, broadband infrastructure
10	right-of-way facilitation efforts within the
11	State; and
12	(ii) to electronically notify all
13	broadband providers registered under
14	clause (i)—
15	(I) of the State transportation
16	improvement program on at least an
17	annual basis; and
18	(II) of projects within the high-
19	way right-of-way for which Federal
20	funding is expected to be obligated in
21	the subsequent fiscal year.

1	(B) Website.—A State department of
2	transportation shall be considered to meet the
3	requirements of subparagraph (A) if such State
4	department of transportation publishes to a
5	public website—
6	(i) the State transportation improve-
7	ment program on at least an annual basis;
8	and
9	(ii) projects within the highway right-
10	of-way for which Federal funding is ex-
11	pected to be obligated in the subsequent
12	fiscal year.
13	(C) COORDINATION.—The State depart-
14	ment of transportation, in consultation with ap-
15	propriate State agencies, shall establish a proc-
16	ess for a broadband provider to commit to in-
17	stalling broadband conduit or broadband infra-
18	structure as part of any project.

Page 380, line 6, insert "and of conduit and similar infrastructure for intelligent transportation systems (as such term is defined in section 501 of title 23, United States Code) that may utilize broadband conduit installed pursuant to this paragraph" after "this paragraph".

Page 380, line 16, strike the comma and all that follows through line 23 and insert a period.

Page 380, after line 23, insert the following (and redesignate accordingly):

1	(ii) Fee schedule.—The State de-
2	partment of transportation, in consultation
3	with appropriate State agencies, shall pub-
4	lish a fee schedule for a broadband pro-
5	vider to access conduit installed pursuant
6	to this paragraph. Fees in such schedule—
7	(I) shall be consistent with the
8	fees established pursuant to section
9	224 of the Communications Act of
10	1934 (47 U.S.C. 224);
11	(II) may vary by topography, lo-
12	cation, type of road, rurality, and
13	other factors in the determination of
14	the State; and
15	(III) may be updated not more
16	frequently than annually.

Page 381, beginning on line 5, strike "the charge described in clause (i)" and insert "the relevant fee in the fee schedule described in clause (ii)".

Page 381, line 21, insert ", in accordance with applicable Federal requirements" before the period.

Page 381, line 24, insert "and broadband infrastructure" after "conduit".

Page 382, line 6, insert "part or all of" before "any".

Page 382, line 10, insert ", terrestrial broadband infrastructure, aerial broadband fiber cables," "broadband infrastructure".

Page 382, line 15, strike "significantly".

Page 382, line 17, strike the semicolon and insert "by 1.5 percent or greater;".

Page 383, line 2, strike the semicolon and insert "and potentially affected local governments and Tribal governments;".

Page 383, beginning on line 3, strike "any relevant portion of a covered highway construction project,".

Page 383, line 9, strike "or".

Page 383, after line 9, insert the following (and redesignate accordingly):

- 1 (V) there exists a circumstance involving force majeure; or
- Page 383, line 13, insert a comma after "regulation".

Page 384, line 4, insert "or broadband conduit" after "broadband infrastructure".

Page 384, line 5, strike "Federal-aid highway".

Page 385, line 6, strike "activities" and insert "projects".

Page 386, line 20, strike "this section" and insert "subsection (b)".

Page 386, line 21, strike "this section" and insert "subsection (b)".

Page 386, beginning on line 24, strike "this section" and insert "subsection (b)".

Page 387, beginning on line 1, strike "this section" and insert "subsection (b)".

Page 387, line 11, insert "implementing and administering" after "for".

Page 388, line 18, strike "and".

Page 390, line 10, strike "and".

Page 390, after line 10, insert the following (and redesignate accordingly):

1 (vi) 1 representative from a labor 2 union; and Page 391, line 20, strike "and".

Page 391, after line 20, insert the following (and redesignate accordingly):

1 (F) labor unions; and

At the end of subtitle F of title I of division B of the bill, add the following:

2 SEC. 1617. TRANSPORTATION CONSTRUCTION MATERIALS

- 3 **PROCUREMENT.**
- 4 (a) Establishment.—Not later than 180 days after
- 5 the date of enactment of this Act, the Secretary of Trans-
- 6 portation shall initiate a review of the procurement proc-
- 7 esses used by State Departments of Transportation to se-
- 8 lect construction materials on projects utilizing Federal-
- 9 aid highway funds.
- 10 (b) Contents.—The review under subsection (a)
- 11 shall include—
- 12 (1) a review of competitive practices in the bid-
- ding process for transportation construction mate-
- 14 rials;
- 15 (2) a list of States that currently issue bids
- that include flexibility in the type of construction
- materials used to meet the project specifications;
- 18 (3) any information provided by States on con-
- siderations that influence the decision to include

1	competition by type of material in transportation
2	construction projects;
3	(4) any data on whether issuing bids that in-
4	clude flexibility in the type of construction materials
5	used to meet the project specifications will affect
6	project costs over the lifecycle of an asset;
7	(5) any data on the degree to which competition
8	leads to greater use of sustainable, innovative, or re-
9	silient materials; and
10	(6) an evaluation of any barriers to more wide-
11	spread use of competitive bidding processes for
12	transportation construction materials.
13	(c) Report.—Not later than 18 months after the
14	date of enactment of this Act, the Secretary shall submit
15	to the Committee on Transportation and Infrastructure
16	of the House of Representatives and the Committee on
17	Environment and Public Works of the Senate, and make
18	publicly available, a report on the review initiated by the
19	Secretary pursuant to this section.
20	SEC. 1618. CONSTRUCTION OF CERTAIN ACCESS AND DE-
21	VELOPMENT ROADS.
22	Section 118(d) of title 23, United States Code, is
23	amended by striking "and the Commonwealth of Puerto
24	Rico" and inserting ", the Commonwealth of Puerto Rico,
25	and any other territory of the United States".

1	SEC. 1619. NATIONWIDE ROAD SAFETY ASSESSMENT.
2	(a) In General.—The Secretary of Transportation
3	shall, every 2 years, conduct nationwide, on-the-ground
4	road safety assessments focused on pedestrian and bicycle
5	safety in each State.
6	(b) Requirements.—The assessments required
7	under subsection (a) shall be conducted—
8	(1) by Department of Transportation field of-
9	fices from the Federal Highway Administration, the
10	National Highway Transportation Safety Adminis-
11	tration, the Federal Transit Administration, and the
12	Federal Motor Carrier Safety Administration; and
13	(2) in consultation with—
14	(A) State and local agencies with jurisdic-
15	tion over pedestrian and bicycle safety;
16	(B) pedestrian safety and bicycle safety
17	advocacy organizations; and
18	(C) other relevant pedestrian and bicycle
19	safety stakeholders.
20	(c) Purposes.—The purpose of the assessments
21	under this section is to—
22	(1) identify and examine specific locations with
23	documented or perceived problems with pedestrian
24	and bicycle safety and access;

1	(2) examine barriers to providing safe pedes-
2	trian and bicycle access to transportation infrastruc-
3	ture; and
4	(3) develop and issue recommendations de-
5	signed to effectively address specific safety and ac-
6	cess issues and enhance pedestrian and bicycle safe-
7	ty in high risk areas.
8	(d) Report on State Assessments.—Upon com-
9	pletion of the assessment of a State, the Secretary shall
10	issue, and make available to the public, a report con-
11	taining the assessment that includes—
12	(1) a list of locations that have been assessed
13	as presenting a danger to pedestrians or bicyclists;
14	and
15	(2) recommendations to enhance pedestrian and
16	bicycle safety in those locations.
17	(e) Report on Nationwide Program.—Upon com-
18	pletion of the biannual assessment nationwide required
19	under this section, the Secretary shall issue, and make
20	available to the public, that covers assessments for all ju-
21	risdictions and also present it to the congressional trans-
22	portation committees.
23	(f) National Pedestrian and Bicycle Safety
24	Database.—The Secretary, in order to enhance pedes-
25	trian and bicycle safety and improve information sharing

1	on pedestrian and bicycle safety challenges between the
2	Federal Government and State and local governments,
3	shall maintain a national pedestrian and bicycle safety
4	database that includes—
5	(1) a list of high-risk intersections, roads, and
6	highways with a documented history of pedestrian or
7	bicycle accidents or fatalities and details regarding
8	those incidents; and
9	(2) information on corrective measures that
10	have been implemented at the State, local, or Fed-
11	eral level to enhance pedestrian and bicyclist safety
12	at those high risk areas, including details on the na-
13	ture and date of corrective action.
14	(g) State Defined.—In this section, the term
15	"State" means each of the States, the District of Colum-
16	bia, and Puerto Rico.
17	SEC. 1620. WILDLIFE CROSSINGS.
18	(a) In General.—
19	(1) Obligation requirement.—For each of
20	fiscal years 2022 through 2025, of the amounts ap-
21	portioned to a State under paragraph (1) of section
22	104(b) of title 23, United States Code, each State
23	shall obligate amounts distributed to such State
24	under subsection (b) for projects and strategies that
25	reduce vehicle-caused wildlife mortality related to, or

1	to restore and maintain connectivity among terres-
2	trial or aquatic habitats affected by, a transpor-
3	tation facility otherwise eligible for assistance under
4	section 119 of title 23, United States Code.
5	(2) TOTAL AMOUNT.—The total amount to be
6	obligated by all States under paragraph (1) shall
7	equal $\$75,000,000$ for each of fiscal years 2022
8	through 2025.
9	(b) DISTRIBUTION.—Each State's share of the
10	amount described under subsection (a)(2) shall be deter-
11	mined by multiplying the amount described under such
12	subsection by the ratio that—
13	(1) the amount apportioned in the previous fis-
14	cal year to the State under section 104 of title 23,
15	United States Code; bears to
16	(2) the total amount of funds apportioned to all
17	States in the previous fiscal year.
18	(e) State Flexibility.—
19	(1) In general.—A State may opt out of the
20	obligation requirement described under this section
21	if the Governor of the State notifies the Secretary
22	that the State has inadequate needs to justify the
23	expenditure not later than 30 days prior to appor-
24	tionments being made for any fiscal year.

1	(2) Use of funds.—A State that exercises the
2	authority under paragraph (1) may use the funds
3	described under this section for any purpose de-
4	scribed under section 119 of title 23, United States
5	Code.
6	SEC. 1621. CLIMATE RESILIENT TRANSPORTATION INFRA-
7	STRUCTURE STUDY.
8	(a) CLIMATE RESILIENT TRANSPORTATION INFRA-
9	STRUCTURE STUDY.—Not later than 180 days after the
10	date of enactment of this Act, the Secretary of Transpor-
11	tation shall enter into an agreement with the Transpor-
12	tation Research Board of the National Academies to con-
13	duct a study of the actions needed to ensure that Federal
14	agencies are taking into account current and future cli-
15	mate conditions in planning, designing, building, oper-
16	ating, maintaining, investing in and upgrading any feder-
17	ally funded transportation infrastructure investments.
18	(b) Methodologies.—In conducting the study, the
19	Transportation Research Board shall build on the meth-
20	odologies examined and recommended in—
21	(1) the 2018 report issued the American Soci-
22	ety of Civil Engineers, titled "Climate-Resilient In-
23	frastructure: Adaptive Design and Risk Manage-
24	ment"; and

1	(2) the report issued by the California Climate-
2	Safe Infrastructure Working Group, titled "Paying
3	it Forward: The Path Toward Climate-Safe Infra-
4	structure in California".
5	(c) Contents of Study.—The study shall include
6	specific recommendations regarding the following:
7	(1) Integrating scientific knowledge of projected
8	climate change impacts, and other relevant data and
9	information, into Federal infrastructure planning,
10	design, engineering, construction, operation and
11	maintenance.
12	(2) Addressing critical information gaps and
13	challenges.
14	(3) Financing options to help fund climate-resil-
15	ient infrastructure.
16	(4) A platform or process to facilitate commu-
17	nication between climate scientists and other experts
18	with infrastructure planners, engineers and other
19	relevant experts.
20	(5) A stakeholder process to engage with rep-
21	resentatives of State, local, tribal and community
22	groups.
23	(6) A platform for tracking Federal funding of
24	climate-resilient infrastructure.

1	(d) Considerations.—In carrying out the study
2	the Transportation Research Board shall determine the
3	need for information related to climate resilient transpor
4	tation infrastructure by considering—
5	(1) the current informational and institutiona
6	barriers to integrating projected infrastructure risks
7	posed by climate change into federal infrastructure
8	planning, design, engineering, construction, oper
9	ation and maintenance;
10	(2) the critical information needed by engineers
11	planners and those charged with infrastructure up
12	grades and maintenance to better incorporate cli
13	mate change risks and impacts over the lifetime of
14	projects;
15	(3) how to select an appropriate, adaptive engi
16	neering design for a range of future climate sce
17	narios as related to infrastructure planning and in
18	vestment;
19	(4) how to incentivize and incorporate systems
20	thinking into engineering design to maximize the
21	benefits of multiple natural functions and emissions
22	reduction, as well as regional planning;
23	(5) how to take account of the risks of cas
24	cading infrastructure failures and develop more ho

1	listic approaches to evaluating and mitigating cli-
2	mate risks;
3	(6) how to ensure that investments in infra-
4	structure resilience benefit all communities, includ-
5	ing communities of color, low-income communities
6	and tribal communities that face a disproportionate
7	risk from climate change and in many cases have ex-
8	perienced long-standing unmet needs and under-
9	investment in critical infrastructure;
10	(7) how to incorporate capital assessment and
11	planning training and techniques, including a range
12	of financing options to help local and State govern-
13	ments plan for and provide matching funds; and
14	(8) how federal agencies can track and monitor
15	federally funded resilient infrastructure in a coordi-
16	nated fashion to help build the understanding of the
17	cost-benefit of resilient infrastructure and to build
18	the capacity for implementing resilient infrastruc-
19	ture.
20	(e) Consultation.—In carrying out the study, the
21	Transportation Research Board—
22	(1) shall convene and consult with a panel of
23	national experts, including operators and users of
24	Federal transportation infrastructure and private
25	sector stakeholders; and

1	(2) is encouraged to consult with—
2	(A) representatives from the thirteen fed-
3	eral agencies that comprise the United States
4	Global Change Research Program;
5	(B) representatives from the Department
6	of the Treasury;
7	(C) professional engineers with relevant ex-
8	pertise in infrastructure design;
9	(D) scientists from the National Academies
10	with relevant expertise;
11	(E) scientists, social scientists and experts
12	from academic and research institutions who
13	have expertise in climate change projections and
14	impacts; engineering; architecture; or other rel-
15	evant areas of expertise;
16	(F) licensed architects with relevant expe-
17	rience in infrastructure design;
18	(G) certified planners;
19	(H) representatives of State, local and
20	Tribal governments; and
21	(I) representatives of environmental justice
22	groups.
23	(f) Report.—Not later than 3 years after the date
24	of enactment of this Act, the Transportation Research
25	Board shall submit to the Secretary, the Committee on

1 Environment and Public Works of the Senate, and the

2	Committee on Transportation and Infrastructure of the
3	House of Representatives a report on the results of the
4	study conducted under this section.
	Page 446, after line 19, insert the following:
5	(i) Transportation Development Credits as
6	Local Match.—
7	(1) Section 5307.—Section 5307(d)(3) of title
8	49, United States Code, is amended—
9	(A) in subparagraph (D) by striking ";
10	and" and inserting a semicolon;
11	(B) in subparagraph (E) by striking the
12	period and inserting "; and"; and
13	(C) by adding at the end the following:
14	"(F) transportation development credits.".
15	(2) Section 5309.—Section 5309 of title 49,
16	United States Code, is amended—
17	(A) in subsection (f) by adding at the end
18	the following:
19	"(3) Transportation development cred-
20	ITS.—For purposes of assessments and determina-
21	tions under this subsection or subsection (h), trans-
22	portation development credits that are included as a
23	source of local financing or match shall be treated
24	the same as other sources of local financing."; and

1	(B) in subsection (l)(4)—
2	(i) in subparagraph (B) by striking ";
3	or" and inserting a semicolon;
4	(ii) in subparagraph (C) by striking
5	the period and inserting "; or"; and
6	(iii) by adding at the end the fol-
7	lowing:
8	"(D) transportation development credits.".
9	(3) Section 5339.—Section 5339(a)(7)(B) of
10	title 49, United States Code, is amended—
11	(A) in clause (iv) by striking "; or" and in-
12	serting a semicolon;
13	(B) in clause (v) by striking the period and
14	inserting "; or"; and
15	(C) by adding at the end the following:
16	"(vi) transportation development cred-
17	its.".
	Page 468, after line 10, insert the following:
18	SEC. 2109. OBLIGATION LIMITATION.
19	Notwithstanding any other provision of law, the total
20	of all obligations from amounts made available from the
21	Mass Transit Account of the Highway Trust Fund by sub-
22	section (a) of section 5338 of title 49, United States Code,
23	shall not exceed—
24	(1) \$16,185,800,000 in fiscal year 2022;

1	(2) \$16,437,600,000 in fiscal year 2023;
2	(3) \$16,700,600,000 in fiscal year 2024; and
3	(4) \$16,963,600,000 in fiscal year 2025.
4	SEC. 2110. PUBLIC TRANSPORTATION EMERGENCY RELIEF
5	FUNDS.
6	Section 5324 of title 49, United States Code, is
7	amended by adding at the end the following:
8	"(g) Imposition of Deadline.—
9	"(1) IN GENERAL.—Notwithstanding any other
10	provision of law, the Secretary of Transportation
11	may not require any project funded pursuant to this
12	section to advance to the construction obligation
13	stage before the date that is the last day of the sixth
14	fiscal year after the later of—
15	"(A) the date on which the Governor de-
16	clared the emergency, as described in subsection
17	(a)(2); or
18	"(B) the date on which the President de-
19	clared a major disaster, as described in such
20	subsection.
21	"(2) Extension of Deadline.—If the Sec-
22	retary imposes a deadline for advancement to the
23	construction obligation stage pursuant to paragraph
24	(1), the Secretary may, upon the request of the Gov-
25	ernor of the State, issue an extension of not more

- 1 than 1 year to complete such advancement, and may
- 2 issue additional extensions after the expiration of
- any extension, if the Secretary determines the Gov-
- 4 ernor of the State has provided suitable justification
- 5 to warrant an extension.".

Page 471, strike lines 17 through 19 and insert the following:

- 6 "(B) provided for such project from non-
- 7 Federal funds budgeted for roadways.".

Page 476, strike lines 13 through 19 and insert the following:

- 8 "(k) Peak Revenue Service Defined.—In this
- 9 section, the term 'peak revenue service' means the time
- 10 period between the time in the morning that an agency
- 11 first exceeds the number of midday vehicles in revenue
- 12 service and the time in the evening that an agency falls
- 13 below the number of midday vehicles in revenue service.".

Page 478, line 6, strike "and" at the end.

Page 479, line 4, strike the period at the end and insert "; and".

Page 479, after line 4, insert the following:

1

2

3

TION.—In developing guidance referred to in

this section, the Secretary shall ensure that—

COLLECTION MODERNIZA-

FARE

"(D)

4	"(i) all costs associated with install-
5	ing, modernizing, and managing fare col-
6	lection, including touchless payment sys-
7	tems, shall be considered eligible expenses
8	under this title and subject to the applica-
9	ble Federal share; and
10	"(ii) such guidance includes guidance
11	on how agencies shall provide unbanked
12	and underbanked users with an oppor-
13	tunity to benefit from mobility as a service
14	platforms.".
Page the followi	498, line 8, strike "In calculating" and insert ng:
15	"(A) Inclusion of costs.—Subject to
16	the substantiation requirement of subparagraph
17	(B), in carrying out".
Page	498, after line 18, insert the following:
18	"(B) Substantiation.—If a rolling stock
19	vehicle manufacturer wishes to include in the
20	calculation of the vehicle's domestic content the
21	cost of steel or iron produced in the United
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1	States and used in the rolling stock frames and
2	car shells that are not produced in the United
3	States, the manufacturer shall maintain and
4	provide upon request a mill certification that
5	substantiates the origin of the steel or iron.".

Page 504, line 11, insert "regarding compliance with Buy America" before the period at the end.

Page 505, after line 14, insert the following:

6	"(r) ROLLING STOCK COMPONENTS AND SUBCOMPO-
7	NENTS.—No component or subcomponent of rolling stock
8	shall be treated as produced in the United States for pur-
9	poses of subsection (b)(3) or determined to be of domestic
10	origin under section 661.11 of title 49, Code of Federal
11	Regulations, if the material inputs of such component or
12	subcomponent were imported into the United States and
13	the operations performed in the United States on the im-
14	ported articles would not result in a change in the article's
15	classification to chapter 86 or 87 of the Harmonized Tar-
16	iff Schedule of the United States from another chapter
17	or a new heading of any chapter from the heading under
18	which the article was classified upon entry.".

Page 517, strike lines 15 through 23 and insert the following:

1	"(G) the term 'eligible area' means an area
2	that is—
3	"(i) designated as a nonattainment
4	area for ozone or particulate matter under
5	section 107(d) of the Clean Air Act (42
6	U.S.C. 7407(d));
7	"(ii) a maintenance area, as such
8	term is defined in section 5303, for ozone
9	or particulate matter; or
10	"(iii) in a State that has enacted a
11	statewide zero emission bus transition re-
12	quirement, as determined by the Sec-
13	retary."; and
	Page 518, line 8, strike "or".
	Page 518, line 11, insert "or" after the semicolon.
	Page 518, after line 11, insert the following:
14	"(iii) hydrogen buses;".
	Page 538, strike lines 15 through 23 and insert the
foll	owing:
15	"(A) frontline employee representatives, se-
16	lected by the labor organization representing
17	the plurality of the frontline workforce em-

1	ployed by the recipient or if applicable a con-
2	tractor to the recipient; and".
	After page 544, add the following:
3	SEC. 2605. U.S. EMPLOYMENT PLAN.
4	(a) In General.—Chapter 53 of title 49, United
5	States Code, is amended by adding at the end the fol-
6	lowing:
7	"§ 5341. U.S. Employment Plan
8	"(a) Definitions.—In this section:
9	"(1) Commitment to high-quality career
10	AND BUSINESS OPPORTUNITIES.—The term 'com-
11	mitment to high-quality career and business oppor-
12	tunities' means participation in a registered appren-
13	ticeship program.
14	"(2) Covered infrastructure program.—
15	The term 'covered infrastructure program' means
16	any activity under program or project under this
17	chapter for the purchase or acquisition of rolling
18	stock.
19	"(3) U.S. EMPLOYMENT PLAN.—The term 'U.S.
20	Employment Plan' means a plan under which an en-
21	tity receiving Federal assistance for a project under
22	a covered infrastructure program shall—

1	"(A) include in a request for proposal an
2	encouragement for bidders to include, with re-
3	spect to the project—
4	"(i) high-quality wage, benefit, and
5	training commitments by the bidder and
6	the supply chain of the bidder for the
7	project; and
8	"(ii) a commitment to recruit and hire
9	individuals described in subsection (e) if
10	the project results in the hiring of employ-
11	ees not currently or previously employed by
12	the bidder and the supply chain of the bid-
13	der for the project;
14	"(B) give preference for the award of the
15	contract to a bidder that includes the commit-
16	ments described in clauses (i) and (ii) of sub-
17	paragraph (A); and
18	"(C) ensure that each bidder that includes
19	the commitments described in clauses (i) and
20	(ii) of subparagraph (A) that is awarded a con-
21	tract complies with those commitments.
22	"(4) Registered apprenticeship pro-
23	GRAM.—The term 'registered apprenticeship pro-
24	gram' means an apprenticeship program registered
25	with the Department of Labor or a Federally-recog-

1	nized State Apprenticeship Agency and that com-
2	plies with the requirements under parts 29 and 30
3	of title 29, Code of Federal Regulations, as in effect
4	on January 1, 2019.
5	"(b) Best-value Framework.—To the maximum
6	extent practicable, a recipient of assistance under a cov-
7	ered infrastructure program is encouraged—
8	"(1) to ensure that each dollar invested in in-
9	frastructure uses a best-value contracting framework
10	to maximize the local value of federally funded con-
11	tracts by evaluating bids on price and other tech-
12	nical criteria prioritized in the bid, such as—
13	"(A) equity;
14	"(B) environmental and climate justice;
15	"(C) impact on greenhouse gas emissions;
16	"(D) resilience;
17	"(E) the results of a 40-year life-cycle
18	analysis;
19	"(F) safety;
20	"(G) commitment to creating or sustaining
21	high-quality job opportunities affiliated with
22	registered apprenticeship programs (as defined
23	in subsection (a)(3)) for disadvantaged or
24	underrepresented individuals in infrastructure
25	industries in the United States; and

1	"(H) access to jobs and essential services
2	by all modes of travel for all users, including
3	disabled individuals; and
4	"(2) to ensure community engagement, trans-
5	parency, and accountability in carrying out each
6	stage of the project.
7	"(c) Preference for Registered Apprentice-
8	SHIP PROGRAMS.—To the maximum extent practicable, a
9	recipient of assistance under a covered infrastructure pro-
10	gram, with respect to the project for which the assistance
11	is received, shall give preference to a bidder that dem-
12	onstrates a commitment to high-quality job opportunities
13	affiliated with registered apprenticeship programs (as de-
14	fined in subsection (a)(3)).
15	"(d) Use of U.S. Employment Plan.—Notwith-
16	standing any other provision of law, in carrying out a
17	project under a covered infrastructure program, each enti-
18	ty that receives Federal assistance shall use a U.S. Em-
19	ployment Plan for each contract of \$10,000,000 or more
20	for the purchase of manufactured goods or of services,
21	based on an independent cost estimate.
22	"(e) Priority.—The head of the relevant Federal
23	agency shall ensure that the entity carrying out a project
24	under the covered infrastructure program gives priority
25	to—

1	"(1) individuals with a barrier to employment
2	(as defined in section 3 of the Workforce Innovation
3	and Opportunity Act (29 U.S.C. 3102)), including
4	ex-offenders and disabled individuals;
5	"(2) veterans; and
6	"(3) individuals that represent populations that
7	are traditionally underrepresented in the infrastruc-
8	ture workforce, such as women and racial and ethnic
9	minorities.
10	"(f) Report.—Not less frequently than once each
11	fiscal year, the heads of the relevant Federal agencies shall
12	jointly submit to Congress a report describing the imple-
13	mentation of this section.
14	"(g) Intent of Congress.—
15	"(1) In General.—It is the intent of Con-
16	gress—
17	"(A) to encourage recipients of Federal as-
18	sistance under covered infrastructure programs
19	to use a best-value contracting framework de-
20	scribed in subsection (b) for the purchase of
21	goods and services;
22	"(B) to encourage recipients of Federal as-
23	sistance under covered infrastructure programs
24	to use preferences for registered apprenticeship
25	programs as described in subsection (c) when

1	evaluating bids for projects using that assist-
2	ance;
3	"(C) to require that recipients of Federal
4	assistance under covered infrastructure pro-
5	grams use the U.S. Employment Plan in car-
6	rying out the project for which the assistance
7	was provided; and
8	"(D) that full and open competition under
9	covered infrastructure programs means a proce-
10	dural competition that prevents corruption, fa-
11	voritism, and unfair treatment by recipient
12	agencies.
13	"(2) Inclusion.—A best-value contracting
14	framework described in subsection (b) is a frame-
15	work that authorizes a recipient of Federal assist-
16	ance under a covered infrastructure program, in
17	awarding contracts, to evaluate a range of factors,
18	including price, the quality of products, the quality
19	of services, and commitments to the creation of good
20	jobs for all people in the United States.
21	"(h) Award Basis.—
22	"(1) Priority for targeted hiring or u.s.
23	EMPLOYMENT PLAN PROJECTS.—In awarding grants
24	under this section, the Secretary shall give priority
25	to eligible entities that—

1	"(A) ensure that not less than 50 percent
2	of the workers hired to participate in the job
3	training program are hired through local hiring
4	in accordance with subsection (e), including by
5	prioritizing individuals with a barrier to employ-
6	ment (including ex-offenders), disabled individ-
7	uals (meaning an individual with a disability (as
8	defined in section 3 of the Americans with Dis-
9	abilities Act of 1990 (42 U.S.C. 12102)), vet-
10	erans, and individuals that represent popu-
11	lations that are traditionally underrepresented
12	in the infrastructure workforce; or
13	"(B) ensure the commitments described in
14	clauses (i) and (ii) of subsection (a)(2)(A) with
15	respect to carrying out the job training pro-
16	gram.''.
17	(b) Clerical Amendment.—The analysis for chap-
18	ter 53 of title 49, United States Code, is amended by add-
19	ing at the end the following:

"5341. U.S. Employment Plan.".

Page 546, line 6, strike "or local governmental authority" and insert ", local governmental authority, or metropolitan planning organization".

Page 546, beginning on line 21, strike "or local governmental authority" and insert ", local governmental authority, or metropolitan planning organization".

Page 548, beginning on line 4, strike "local governmental authorities and states" and insert "States, local governmental authorities, and metropolitan planning organizations".

Page 549, after line 4, insert the following (and redesignate subsequent subsections accordingly):

1 "(d) VALUE CAPTURE POLICY REQUIREMENTS.— 2 "(1) VALUE CAPTURE POLICY.—Not later than 3 October 1 of the fiscal year that begins 2 years after 4 the date of enactment of this section, the Secretary, 5 in collaboration with State departments of transpor-6 tation, metropolitan planning organizations, and re-7 gional council of governments, shall establish vol-8 untary and consensus-based value capture stand-9 ards, policies, and best practices for State and local 10 value capture mechanisms that promote greater in-11 vestments in public transportation and affordable 12 transit-oriented development. 13 "(2) Report.—Not later than 15 months after 14 the date of enactment of this section, the Secretary

shall make available to the public a report cataloging

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1 everyles of State and level laws and policies that
1 examples of State and local laws and policies that
2 provide for value capture and value sharing that pro-
3 mote greater investment in public transportation and
4 affordable transit-oriented development.".
Page 550, line 14, insert ", the number of affordable
housing units constructed or planned as a result of
projects funded in this section, and the number of afford-
able housing units constructed or planned as a result of
a property transfer under section 5334(h)(1)" after "sec-
tion".
Page 552, line 22, strike "15 percent" and insert
"40 percent".
Page 552, line 24, insert ", including housing units
owned by nongovernmental entities," before "are legally".
Page 552, line 25, insert "at or" before "below".
Page 553, line 2, insert "at or" before "below".
Page 553, line 5, strike "15" and insert "30".
Page 553, after line 19, insert the following:
5 "(III) the third party has dem-
6 onstrated a satisfactory history of
7 construction or operating an afford-
8 able housing development.".

Page 572, line 12, insert "and" at the end.

Page 572, line 22, strike "; and" and insert a period.

Page 572, strike line 23 and all that follows through page 573, line 2.

Page 573, strike line 23 and all that follows through page 574, line 3.

Page 576, strike lines 10 through 24 and insert the following:

1 (A) in paragraph (5) by inserting "except 2 that for a project for which a lower local cost 3 share is elected under subsection (1)(1)(C), the 4 Secretary shall enter into a grant agreement 5 under this subsection for any such project that 6 establishes contingency amounts that the appli-7 cant determines to be reasonable to cover unan-8 ticipated cost increases or funding shortfalls" 9 before the period at the end; and

Page 578, after line 6, insert the following (and redesignate accordingly):

10 (10) in subsection (k)(2)(D) is amended by 11 adding at the end the following:

1	"(v) Local funding commit-
2	MENT.— For a project for which a lower
3	CIG cost share is elected by the applicant
4	under subsection $(l)(1)(C)$, the Secretary
5	shall enter into a full funding grant agree-
6	ment that has at least 75 percent of local
7	financial commitment committed and the
8	remaining percentage budgeted for the pro-
9	posed purposes.".

Page 579, strike line 19 and insert the following:

(C) by striking paragraph (8) and insert-10 ing the following: 12 "(8) Contingency share.—The Secretary 13 shall provide funding for the contingency amount 14 equal to the proportion of the CIG cost share. If the 15 Secretary increases the contingency amount after a 16 project has received a letter of no prejudice or been 17 allocated appropriated funds, the federal share of 18 the additional contingency amount shall be 25 per-19 cent higher than the original proportion the CIG 20 cost share and in addition to the grant amount set 21 in subsection (k)(2)(C)(ii).";

Page 581, strike lines 7 through 11 and insert the following:

11

	04
1	"(vii) The status of the applicant in
2	securing the non-Federal match, based on
3	information provided by the applicant, in-
4	cluding the amount committed, budgeted,
5	planned, and undetermined."
	Page 581, line 13, strike the period and insert ";
and	·'·
	Page 581, after line 13, insert the following:
6	(14) by adding at the end the following:
7	"(r) Publication .—
8	"(1) Publication.—The Secretary shall pub-
9	lish a record of decision on all projects in the New
10	Starts tranche of the program within 2 years of re-
11	ceiving a project's draft environmental impact state-
12	ment or update or change to such statement.
13	"(2) Failure to issue record of deci-
14	SION.—For each calendar month beginning on or
15	after the date that is 12 months after the date of
16	enactment of the INVEST in America Act in which
17	the Secretary has not published a record of decision
18	for the final environmental impact statement on
19	projects in the New Starts tranche for at least 1
20	year, the Secretary shall reduce the full-time equiva-

	v v
1	lent employees within the immediate office of the
2	Secretary by 1.".
t.	At the end of title II of division B of the bill, add he following:
3	SEC. 2915. PASSENGER FERRY GRANTS.
4	Section 5307(h) of title 49, United States Code, is
5	amended by adding at the end the following paragraph:
6	"(4) Zero-emission or reduced-emission
7	GRANTS.—
8	"(A) Definitions.—In this paragraph—
9	"(i) the term 'eligible project' means a
10	project or program of projects in an area
11	eligible for a grant under subsection (a)
12	for—
13	"(I) acquiring zero- or reduced-
14	emission passenger ferries;
15	"(II) leasing zero- or reduced-
16	emission passenger ferries;
17	"(III) constructing facilities and
18	related equipment for zero- or re-
19	duced-emission passenger ferries;

1 "(V) constructing new public
2 transportation facilities to accommo-
date zero- or reduced-emission pas-
4 senger ferries;
5 "(VI) constructing shoreside
6 ferry charging infrastructure for zero-
7 or reduced-emission passenger ferries;
8 or
9 "(VII) rehabilitating or improv-
ing existing public transportation fa-
cilities to accommodate zero- or re-
duced-emission passenger ferries;
"(ii) the term 'zero- or reduced-emis-
sion passenger ferry' means a passenger
ferry used to provide public transportation
that reduces emissions by utilizing onboard
energy storage systems for hybrid-electric
or 100 percent electric propulsion, related
charging infrastructure, and other tech-
nologies deployed to reduce emissions or
produce zero onboard emissions under nor-
22 mal operation; and
"(iii) the term 'recipient' means a des-
ignated recipient, a local government au-

1	thority, or a State that receives a grant
2	under subsection (a).
3	"(B) GENERAL AUTHORITY.—The Sec-
4	retary may make grants to recipients to finance
5	eligible projects under this paragraph.
6	"(C) Grant requirements.—A grant
7	under this paragraph shall be subject to the
8	same terms and conditions as a grant under
9	subsection (a).
10	"(D) Competitive process.—The Sec-
11	retary shall solicit grant applications and make
12	grants for eligible projects under this paragraph
13	on a competitive basis.
14	"(E) Government share of costs.—
15	"(i) IN GENERAL.—The Federal share
16	of the cost of an eligible project carried out
17	under this paragraph shall not exceed 80
18	percent.
19	"(ii) Non-federal share.—The
20	non-Federal share of the cost of an eligible
21	project carried out under this subsection
22	may be derived from in-kind contribu-
23	tions.".

1 SEC. 2916. EVALUATION OF BENEFITS AND FEDERAL IN-

- 2 VESTMENT.
- 3 Section 5309(h)(4) of title 49, United States Code,
- 4 is amended by inserting ", the extent to which the project
- 5 improves transportation options to economically distressed
- 6 areas," after "public transportation".

Page 598, line 26, strike "Geographically diverse" and insert "A preference for applicants who are geographically diverse".

Page 599, beginning on line 1, strike "Higher State average of traffic fatalities per vehicle mile traveled" and insert "A preference for applicants with a higher average number of traffic fatalities per vehicle mile traveled".

Page 599, beginning on line 3, strike "A preference to applications that agree to include under paragraph (6)(C) the data derived from law enforcement activities funded by a State under this section" and insert "A preference for applicants whose activities under subparagraphs (A) and (B) of paragraph (6) are expected to have the greatest impact on reducing traffic-related fatalities and injuries, as determined by the Secretary".

Page 599, line 24, strike "traffic citations and arrests" and insert "traffic citations, arrests, and other

interventions made by law enforcement, including such interventions that did not result in arrest or citation".

Page 608, after line 22, insert the following:

1	(2) in subsection $(b)(4)$ —
2	(A) in subparagraph (A) by striking clause
3	(v) and inserting the following:
4	"(v) to implement programs in low-in-
5	come and underserved populations to—
6	"(I) recruit and train occupant
7	protection safety professionals, nation-
8	ally certified child passenger safety
9	technicians, police officers, fire and
10	emergency medical personnel, and
11	educators serving low-income and un-
12	derserved populations;
13	"(II) educate parents and care-
14	givers in low-income and underserved
15	populations about the proper use and
16	installation of child safety seats; and
17	"(III) purchase and distribute
18	child safety seats to low-income and
19	underserved populations."; and
20	(B) in subparagraph (B)—
21	(i) by striking "100 percent" and in-
22	serting "90 percent"; and

1	(ii) by adding at the end the fol-
2	lowing: "The remaining 10 percent of such
3	funds shall be used to carry out subsection
4	(A)(v).''
	Page 628, after line 21, insert the following:
5	SEC. 3010. IMPLICIT BIAS RESEARCH AND TRAINING
6	GRANTS.
7	(a) In General.—The Secretary of Transportation
8	shall make grants to institutions of higher education (as
9	such term is defined in section 101 of the Higher Edu-
10	cation Act of 1965 (20 U.S.C. 1001) for research and
11	training in the operation or establishment of an implicit
12	bias training program as it relates to racial profiling at
13	traffic stops.
14	(b) QUALIFICATIONS.—To be eligible for a grant
15	under this section, an institution of higher education
16	shall—
17	(1) have an active research program or dem-
18	onstrate, to the satisfaction of the Secretary, that
19	the applicant is beginning a research program to
20	study implicit bias as it relates to racial profiling be-
21	fore and during traffic stops; and
22	(2) partner with State and local police depart-
23	ments to conduct the research described in para-
24	graph (1) and carry out the implementation of im-

1	plicit bias training with State and local police de-
2	partments.
3	(c) Report.—No later than 1 year after a grant has
4	been awarded under this section, the institution of higher
5	education awarded the grant shall submit to the Com-
6	mittee on Transportation and Infrastructure of the House
7	of Representatives and the Committee on Commerce,
8	Science, and Transportation of the Senate a report sum-
9	marizing the research on implicit bias as it relates to racial
10	profiling before and during traffic stops, and recommenda-
11	tions on effective interventions and trainings.
12	(d) Authorization of Appropriations.—There
13	are authorized to be appropriated \$10,000,000 for each
14	fiscal year to carry out this section.
15	(e) Definitions.—In this section, the term "implicit
16	bias training program" means a program that looks at the
17	attitudes, stereotypes, and lenses human beings develop
18	through various experiences in life that can unconsciously
19	affect how they interact with one another.
	Page 643, after line 18, insert the following:
20	SEC. 4206. AMENDMENTS TO REGULATIONS RELATING TO
21	TRANSPORTATION OF HOUSEHOLD GOODS IN
22	INTERSTATE COMMERCE.
23	(a) Definitions.—In this section:

1	(1) Administration.—The term "Administra-
2	tion" means the Federal Motor Carrier Safety Ad-
3	ministration.
4	(2) COVERED CARRIER.—The term "covered
5	carrier" means a motor carrier that is—
6	(A) engaged in the interstate transpor-
7	tation of household goods; and
8	(B) subject to the requirements of part
9	375 of title 49, Code of Federal Regulations (as
10	in effect on the effective date of the amend-
11	ments required by subsection (b)).
12	(3) Secretary.—The term "Secretary" means
13	the Secretary of Transportation.
14	(b) Amendments to Regulations.—Not later
15	than 1 year after the date of enactment of this Act, the
16	Secretary shall issue a notice of proposed rulemaking to
17	amend regulations related to the interstate transportation
18	of household goods.
19	(c) Considerations.—In issuing the notice of pro-
20	posed rulemaking under subsection (b), the Secretary shall
21	consider the following recommended amendments to provi-
22	sions of title 49, Code of Federal Regulations:
23	(1) Section 375.207(b) to require each covered
24	carrier to include on the website of the covered car-
25	rier a link—

1	(A) to the publication of the Administra-
2	tion titled "Ready to Move–Tips for a Success-
3	ful Interstate Move' (ESA 03005) on the
4	website of the Administration; or
5	(B) to a copy of the publication referred to
6	in subparagraph (A) on the website of the cov-
7	ered carrier.
8	(2) Subsections (a) and (b)(1) of section
9	375.213 to require each covered carrier to provide to
10	each individual shipper, with any written estimate
11	provided to the shipper, a copy of the publication de-
12	scribed in appendix A of part 375 of such title, enti-
13	tled "Your Rights and Responsibilities When You
14	Move" (ESA-03-006 (or a successor publication)),
15	in the form of a written copy or a hyperlink on the
16	website of the covered carrier to the location on the
17	website of the Administration containing such publi-
18	cation.
19	(3) Subsection (e) of section 375.213, to repeal
20	such subsection.
21	(4) Section 375.401(a), to require each covered
22	carrier—
23	(A) to conduct a visual survey of the
24	household goods to be transported by the cov-
25	ered carrier—

1	(i) in person; or
2	(ii) virtually, using—
3	(I) a remote camera; or
4	(II) another appropriate tech-
5	nology;
6	(B) to offer a visual survey described in
7	subparagraph (A) for all household goods ship-
8	ments, regardless of the distance between—
9	(i) the location of the household
10	goods; and
11	(ii) the location of the agent of the
12	covered carrier preparing the estimate; and
13	(C) to provide to each shipper a copy of
14	publication of the Administration titled "Ready
15	to Move–Tips for a Successful Interstate Move'
16	(ESA 03005) on receipt from the shipper of a
17	request to schedule, or a waiver of, a visual sur-
18	vey offered under subparagraph (B).
19	(5) Sections $375.401(b)(1)$, $375.403(a)(6)(ii)$,
20	and $375.405(b)(7)(ii)$, and subpart D of appendix A
21	of part 375, to require that, in any case in which a
22	shipper tenders any additional item or requests any
23	additional service prior to loading a shipment, the
24	affected covered carrier shall—
25	(A) prepare a new estimate; and

1	(B) maintain a record of the date, time,
2	and manner in which the new estimate was ac-
3	cepted by the shipper.
4	(6) Section 375.501(a), to establish that a cov-
5	ered carrier is not required to provide to a shipper
6	an order for service if the covered carrier elects to
7	provide the information described in paragraphs (1)
8	through (15) of such section in a bill of lading that
9	is presented to the shipper before the covered carrier
10	receives the shipment.
11	(7) Subpart H of part 375, to replace the re-
12	place the terms "freight bill" and "expense bill"
13	with the term "invoice".
	Page 660, line 18, strike "and" at the end.
	Page 660, line 19, insert ", including analysis of
stud	lent injuries and fatalities compared to States without
seat	belt laws, and seat belt usage rates," after "experi-
ence	3".
	Page 660, line 21, strike the period and insert ";
and	
	Page 660, after line 21, insert the following:
14	(D) the impact of lap/shoulder belt systems
15	on emergency evacuations, with a focus on
16	emergency evacuations involving students below

1	the age of fourteen, and emergency evacuations
2	necessitated by fire or water submersion; and
3	(E) the impact of lap/shoulder belt systems
4	on the overall availability of schoolbus transpor-
5	tation.

Page 663, line 11, strike "Automatic braking system" and insert "Automatic emergency braking".

Page 663, line 12, strike "automatic braking system" and insert "automatic emergency braking".

Page 668, line 21, insert "poor visibility," after "darkness,".

Page 670, line 7, insert "in a variety of driving conditions" after "systems".

At the end of subtitle D of title IV of division B, add the following:

6 SEC. 4407. ADDITIONAL STATE AUTHORITY.

- 7 (a) Additional Authority.—Notwithstanding the
- 8 limitation in section 127(d) of title 23, United States
- 9 Code, if a State had in effect on or before June 1, 1991
- 10 a statute or regulation which placed a limitation on the
- 11 overall length of a longer combination vehicle consisting
- 12 of 3 trailers, such State may allow the operation of a

- 1 longer combination vehicle to accommodate a longer truck
- 2 tractor in such longer combination vehicle under such limi-
- 3 tation, if the additional tractor length is the only added
- 4 length to such longer combination vehicle.
- 5 (b) SAVINGS CLAUSE.—Nothing in this section au-
- 6 thorizes a State to allow an increase in the length of a
- 7 trailer, semitrailer, or other cargo-carrying unit of a
- 8 longer combination vehicle.
- 9 (c) Longer Combination Vehicle Defined.—
- 10 The term "longer combination vehicle" has the meaning
- 11 given such term in section 127 of title 23, United States
- 12 Code.

Page 702, line 23, strike "paragraph" and insert "subparagraph".

Page 705, line 13, strike the comma.

Page 724, after line 2, insert the following:

- 13 (d) Workforce Development and Technical
- 14 Training.—
- 15 (1) IN GENERAL.—Not later than 3 years after
- the date of enactment of this act, the Secretary
- shall, based on the study conducted under subsection
- 18 (a), develop a series of in-person and online work-
- 19 force development and technical training courses—
- 20 (A) to reduce wildlife-vehicle collisions; and

1	(B) to improve habitat connectivity for ter-
2	restrial and aquatic species.
3	(2) AVAILABILITY.—The Secretary shall—
4	(A) make the series of courses developed
5	under paragraph (1) available for transpor-
6	tation and fish and wildlife professionals; and
7	(B) update the series of courses not less
8	frequently than once every 2 years.
9	(e) WILDLIFE HABITAT CONNECTIVITY AND NA-
10	TIONAL BRIDGE AND TUNNEL INVENTORY AND INSPEC-
11	TION STANDARDS.—Section 144 of title 23, United States
12	Code, is amended in subsection (a)(2)—
13	(1) in subparagraph (B) by inserting ", resil-
14	ience," after "safety";
15	(2) in subparagraph (D) by striking "and" at
16	the end;
17	(3) in subparagraph (E) by striking the period
18	at the end and inserting "; and"; and
19	(4) by adding at the end the following:
20	"(F) to ensure adequate passage of aquatic
21	and terrestrial species, where appropriate.";
	Page 724, line 20, strike "(4)" and insert "(2)".
	Page 726, line 1, strike "(b)(1)" and insert
"	(a)(1)".

Page 729, line 3, strike "paragraph (4)" and insert "paragraph (2), given the considerations under paragraph (3),".

Page 731, after line 6, insert the following (and redesignate accordingly):

- 1 (e) APPLICABILITY.—The Secretary shall administer
- 2 this section in accordance with section 330 of title 49,
- 3 United States Code.

Page 748, line 18, strike "Chapter" and insert "Subchapter I of chapter".

Page 749, line 2, insert "and mobility innovation" before "to".

Page 749, line 22, strike "Level 4 or Level 5" and insert "Level 3, Level 4, or Level 5".

Page 750, beginning on line 18, strike "adding at the end" and insert "inserting after the item relating to section 5506".

Page 755, line 11, insert "and developers" after "manufacturers".

Page 762, after line 13, insert the following:

1	SEC. 5307. SURFACE TRANSPORTATION WORKFORCE RE-
2	TRAINING GRANT PROGRAM.
3	(a) Establishment.—The Secretary of Transpor-
4	tation shall establish a program to make grants to eligible
5	entities to develop a curriculum for and establish transpor-
6	tation workforce training programs in urban and rural
7	areas to train, upskill, and prepare surface transportation
8	workers whose jobs may be changed or worsened by auto-
9	mation, or who have been separated from their jobs, or
10	have received notice of impending job loss, as a result of
11	being replaced by automated driving systems.
12	(b) ELIGIBLE ENTITIES.—The following entities
13	shall be eligible to receive grants under this section:
14	(1) Institutions of higher education.
15	(2) Consortia of institutions of higher edu-
16	cation.
17	(3) Trade associations.
18	(4) Nongovernmental stakeholders.
19	(5) Organizations with a demonstrated capacity
20	to develop and provide career ladder programs
21	through labor-management partnerships and appren-
22	ticeships on a nationwide basis.
23	(c) Limitation on Awards.—An entity may only
24	receive one grant per fiscal year under this section for an
25	amount determined appropriate by the Secretary.
26	(d) Use of Funds.—

1	(1) In general.—A recipient of a grant under
2	this section may only use grant amounts for devel-
3	oping and carrying out direct surface transportation
4	workforce retraining programs, including—
5	(A) testing of new roles for existing jobs,
6	including mechanical work, diagnostic work,
7	and fleet operations management;
8	(B) coursework or curricula through which
9	participants may pursue a degree or certifi-
10	cation;
11	(C) direct worker training or train-the-
12	trainer type programs in support of surface
13	transportation workers displaced by automated
14	vehicles; or
15	(D) training and upskilling workers, in-
16	cluding current drivers and maintenance techni-
17	cians, for positions directly related to auto-
18	mated vehicle operations.
19	(2) LIMITATION.—Funds made available under
20	this section may not be used in support of programs
21	to evaluate the effectiveness of automated vehicle
22	technologies.
23	(e) Selection Criteria.—The Secretary shall se-
24	lect recipients of grants under this section based on the
25	following criteria:

1	(1) Demonstrated research resources available
2	to the applicant for carrying out this section.
3	(2) Capability of the applicant to develop cur-
4	ricula in the training or retraining of individuals de-
5	scribed in subsection (a) as a result of automated
6	vehicles.
7	(3) Demonstrated commitment of the recipient
8	to carry out a surface transportation workforce de-
9	velopment program through degree-granting pro-
10	grams or programs that provide other industry-rec-
11	ognized credentials.
12	(4) The ability of the applicant to fulfill the
13	purposes under subsection (a).
14	(f) Eligibility.—An applicant is only eligible for a
15	grant under this section if such applicant—
16	(1) has an established surface transportation
17	workforce development program;
18	(2) has expertise in solving surface transpor-
19	tation problems through research, training, edu-
20	cation, and technology;
21	(3) actively shares information and results with
22	other surface transportation workforce development
23	programs with similar objectives;
24	(4) has experience in establishing, developing
25	and administering a surface transportation-related

1 apprenticeship or training program with at least 5 2 years of demonstrable results; and 3 (5) agrees to make all curricula, research find-4 ings, or other materials developed using grant fund-5 ing under this section publicly available. 6 (g) Federal Share.— 7 (1) IN GENERAL.—The Federal share of a 8 grant under this section shall be a dollar for dollar 9 match of the costs of establishing and administering 10 the retraining program and related activities carried 11 out by the grant recipient or consortium of grant re-12 cipients. 13 (2) AVAILABILITY OF FUNDS.—For a recipient 14 of a grant under this section carrying out activities 15 under such grant in partnership with a public trans-16 portation agency that is receiving funds under sec-17 tions 5307, 5337, or 5339 of title 49, United States 18 Code, not more than 0.5 percent of amounts made 19 available under any such section may qualify as the 20 non-Federal share under paragraph (1). 21 (h) REPORTING.—Not later than 60 days after 22 grants are awarded in any fiscal year under this section, 23 the Secretary shall submit to the Committee on Transportation and Infrastructure of the House of Representatives and the Committees on Commerce, Science, and Transpor-25

1	tation, Banking, Housing, and Urban Affairs, and Envi-
2	ronment and Public Works of the Senate, and make pub-
3	licly available, a report describing the activities and effec-
4	tiveness of the program under this section.
5	(1) Transparency.—The report under this
6	subsection shall include the following information on
7	activities carried out under this section:
8	(A) A list of all grant recipients under this
9	section.
10	(B) An explanation of why each recipient
11	was chosen in accordance with the selection cri-
12	teria under subsection (e) and the eligibility re-
13	quirements under subsection (f).
14	(C) A summary of activities carried out by
15	each recipient and an analysis of the progress
16	of such activities toward achieving the purposes
17	under subsection (a).
18	(D) An accounting for the use of Federal
19	funds expended in carrying out this section.
20	(E) An analysis of outcomes of the pro-
21	gram under this section.
22	(2) Training information.—The report shall
23	include the following data on surface transportation
24	workforce training:

1	(A) The sectors of the surface transpor-
2	tation system from which workers are being dis-
3	placed.
4	(B) The skills and professions for which
5	workers are being retrained.
6	(C) How many workers have benefitted
7	from the grant award.
8	(D) Relevant demographic information of
9	impacted workers.
10	(i) DEFINITIONS.—For the purposes of this section,
11	the following definitions apply:
12	(1) Institution of higher education.—The
13	term "institution of higher education" has the
14	meaning given the term in section 101 of the Higher
15	Education Act of 1965 (20 U.S.C. 1001).
16	(2) Automated vehicle.—The term "auto-
17	mated vehicle" means a motor vehicle that—
18	(A) is capable of performing the entire
19	task of driving (including steering, accelerating,
20	and decelerating, and reacting to external stim-
21	ulus) without human intervention; and
22	(B) is designed to be operated exclusively
23	by a Level 4 or Level 5 automated driving sys-
24	tem for all trips according to the recommended
25	practice standards published on June 15, 2018,

1	by the Society of Automotive Engineers Inter-
2	national (J3016_201806) or equivalent stand-
3	ards adopted by the Secretary with respect to
4	automated motor vehicles.
5	(3) Public transportation.—The term
6	"public transportation" has the meaning given such
7	term in section 5302 of title 49, United States Code.
8	(j) Authorization of Appropriations.—
9	(1) In general.—There is authorized to be
10	appropriated \$50,000,000 for each of fiscal years
11	2022 through 2025 to carry out this section.
12	(2) Availability of amounts.—Amounts
13	made available to the Secretary to carry out this sec-
14	tion shall remain available for a period of 3 years
15	after the last day of the fiscal year for which the
16	amounts are authorized.
	Page 763, beginning on line 16, strike "previous".

Page 763, line 17, strike "a pilot project to" and insert "a project".

Page 771, line 23, strike "committee" and insert "board".

Page 778, after line 19, insert the following:

1	SEC. 5503. TRANSPORTATION WORKFORCE OUTREACH
2	PROGRAM.
3	(a) In General.—Subchapter I of chapter 55 of
4	subtitle III of title 49, United States Code, is amended
5	by adding at the end the following:
6	"§ 5508. Transportation workforce outreach program
7	"(a) In General.—The Secretary shall establish
8	and administer a transportation workforce outreach pro-
9	gram that carries out a series of public service announce-
10	ment campaigns during fiscal years 2022 through 2026.
11	"(b) Purpose.—The purpose of each campaign car-
12	ried out under the program shall be to achieve the fol-
13	lowing objectives:
14	"(1) Increase awareness of career opportunities
15	in the transportation sector, including aviation pi-
16	lots, safety inspectors, mechanics and technicians,
17	maritime transportation workers, air traffic control-
18	lers, flight attendants, truck drivers, engineers, tran-
19	sit workers, railroad workers, and other transpor-
20	tation professionals.
21	"(2) Increase diversity, including race, gender,
22	ethnicity, and socioeconomic status, of professionals
23	in the transportation sector.
24	"(c) Advertising.—The Secretary may use, or au-
25	thorize the use of, funds available to carry out the pro-
26	gram for the development, production, and use of broad-

- 1 cast, digital, and print media advertising and outreach in
- 2 carrying out campaigns under this section.
- 3 "(d) Authorization of Appropriations.—To
- 4 carry out this section, there are authorized to be appro-
- 5 priated \$5,000,000 for each fiscal years 2022 through
- 6 2026.".
- 7 (b) Clerical Amendment.—The table of sections
- 8 for chapter 55 of subtitle III of title 49, United States
- 9 Code, is amended by inserting after the item relating to
- 10 section 5507 the following new item:

"5508. Transportation workforce outreach program.".

At the end of title VI of division B, add the following:

11 SEC. 6009. FTE CAP.

- 12 The Secretary of Transportation may not employ
- 13 more than 15 full-time equivalent positions in any fiscal
- 14 year in the Immediate Office of the Secretary.

Page 804, line 10, strike "\$3,600,000,000" and insert "\$3,500,000,000".

Page 804, line 11, strike "\$3,400,000,000" and insert "\$3,300,000,000".

Page 804, line 12, strike "\$3,200,000,000" and insert "\$3,100,000,000".

Page 804, line 13, strike "\$3,000,000,000" and insert "\$2,900,000,000".

Page 804, line 14, strike "\$3,000,000,000" and insert "\$2,900,000,000".

Page 804, line 25, strike "\$400,000,000" and insert "\$300,000,000".

Page 807, line 10, strike "\$30,000,000" and insert "\$130,000,000".

Page 821, after line 6, insert the following (and redesignate accordingly):

- 1 (B) in paragraph (2) by striking "as de-2 fined in section 22901(2), except that a project 3 shall not be required to be in a State rail plan 4 developed under chapter 227";
- Page 822, line 8, insert "private and" before "public".

Page 822, strike lines 20 through 21 (and redesignate accordingly).

Page 824, line 18, strike the closing quotation marks and the period.

Page 824, after line 18, insert the following:

1	"(k) Definition of Capital Project.—In this
2	section, the term 'capital project' means a project or pro-
3	gram for—
4	"(1) acquiring, constructing, improving, or in-
5	specting equipment, track and track structures, or a
6	facility, expenses incidental to the acquisition or con-
7	struction (including designing, engineering, location
8	surveying, mapping, environmental studies, and ac-
9	quiring rights-of-way), payments for the capital por-
10	tions of rail trackage rights agreements, highway-
11	rail grade crossing improvements, mitigating envi-
12	ronmental impacts, communication and signalization
13	improvements, relocation assistance, acquiring re-
14	placement housing sites, and acquiring, constructing,
15	relocating, and rehabilitating replacement housing;
16	"(2) rehabilitating, remanufacturing, or over-
17	hauling rail rolling stock and facilities;
18	"(3) costs associated with developing State rail
19	plans; and
20	"(4) the first-dollar liability costs for insurance
21	related to the provision of intercity passenger rail
22	service under section 22904.".

Page 825, after line 17, insert the following (and redesignate accordingly):

1	(i) by inserting "In the case of an ap-
2	plicant seeking a loan that is less than 50
3	percent of the total cost of the project, half
4	of the credit risk premiums under this sub-
5	section shall be paid to the Secretary be-
6	fore the disbursement of loan amounts and
7	the remaining half shall be paid to the Sec-
8	retary in equal amounts semiannually and
9	fully paid not later than 10 years after the
10	first loan disbursement is executed." after
11	"modifications thereof.";

Page 826, line 11, strike "\$25,000,000" and insert "\$125,000,000".

Page 836, line 18, strike "APPOINTMENT APPLICA-BILITY" and insert "TIMING OF NEW BOARD REQUIRE-MENTS".

Page 836, line 22, insert "and the term of each current Board member shall end" before the period.

Page 836, line 25, insert "subject to the advice and consent of the Senate" before "if such member".

Page 848, line 13, strike "fully allocated".

Page 860, after line 13, insert the following new clause (and redesignate succeeding clauses accordingly):

	$\Im \Delta$
1	(iv) the reinstatement of the dining
2	car service on long-distance routes;
a	Page 867, line 13, insert "section 22905(c)(2)(A) and other" after "subject to".
	At the end of title II of division D, add the fol-
lo	owing:
3	SEC. 9217. INVESTIGATION OF SUBSTANDARD PERFORM-
4	ANCE.
5	Section 24308(f) of title 49, United States Code, is
6	amended—
7	(1) in paragraph (1)—
8	(A) by striking "If the on-time" and in-
9	serting "If either the on-time";
10	(B) by inserting ", measured at each sta-
11	tion on its route based upon the arrival times
12	plus 15 minutes shown in schedules Amtrak
13	and the host railroad have agreed to or have
14	been determined by the Surface Transportation
15	Board pursuant to section 213 of the Passenger
16	Rail Investment and Improvement Act of 2008
17	as of or subsequent to the date of enactment of
18	the INVEST in America Act," after "intercity
19	passenger train'; and

1	(C) by striking "or the service quality of"
2	and inserting "or the on-time performance of";
3	(2) in paragraph (2) by striking "minimum
4	standards investigated under paragraph (1)" and in-
5	serting "either performance standard under para-
6	graph (1)"; and
7	(3) in paragraph (4) by striking "or failures to
8	achieve minimum standards" and inserting "or fail-
9	ure to achieve either performance standard under
10	paragraph (1)".
11	SEC. 9218. AMTRAK CYBERSECURITY ENHANCEMENT
12	GRANT PROGRAM.
13	(a) In General.—Chapter 243 of title 49, United
14	States Code, is further amended by adding at the end the
15	following:
16	
	"§ 24324. Amtrak cybersecurity enhancement grant
17	"§ 24324. Amtrak cybersecurity enhancement grant program
17 18	·
	program
18	<pre>program "(a) In General.—The Secretary of Transportation</pre>
18 19	program "(a) IN GENERAL.—The Secretary of Transportation shall make grants to Amtrak for improvements in infor-
18 19 20	program "(a) In General.—The Secretary of Transportation shall make grants to Amtrak for improvements in information technology systems, including cyber resiliency im-
18 19 20 21	program "(a) IN GENERAL.—The Secretary of Transportation shall make grants to Amtrak for improvements in information technology systems, including cyber resiliency improvements for Amtrak information technology assets.
18 19 20 21 22	program "(a) In General.—The Secretary of Transportation shall make grants to Amtrak for improvements in information technology systems, including cyber resiliency improvements for Amtrak information technology assets. "(b) Application of Best Practices.—Any cyber

by the National Institute of Standards and Technology Special and any other applicable security controls pub-3 lished by the Institute. 4 "(c) Coordination of Cybersecurity Funds.— Funds made available to carry out this section shall be in addition to any other Federal funds and shall not affect the ability of Amtrak to use any other funds otherwise 8 authorized by law for purposes of enhancing the cybersecurity architecture of Amtrak. 10 "(d) Grant Conditions.—Grants made under this section shall be subject to such terms and conditions as 12 the Secretary determines necessary. 13 (b) CLERICAL AMENDMENT.—The analysis for chapter 243 of title 49, United States Code, is further amend-14 15 ed by adding at the end the following: "24324. Amtrak cybersecurity enhancement grants. 16 SEC. 9219. AMTRAK AND PRIVATE CARS. 17 (a) Sense of Congress.—It is the sense of Con-18 gress that private cars and charter trains can— 19 (1) improve Amtrak's financial performance, 20 particularly on the long-distance routes; 21 (2) have promotional value for Amtrak that re-22 sults in future travel on Amtrak trains by pas-23 sengers made aware of Amtrak as a result; (3) support private-sector jobs, including for 24 25 mechanical work and on-board services; and

1	(4) provide good-will benefits to Amtrak.
2	(b) Policy Review.—Amtrak shall review the policy
3	changes since January 1, 2018, that have caused signifi-
4	cant changes to the relationship between Amtrak and pri-
5	vate car owners and charter train services and evaluate
6	opportunities to strengthen these services, including by re-
7	instating some access points and restoring flexibility to
8	charter-train policies. For charter trains, private cars, and
9	package express carried on regular Amtrak trains, con-
10	sistent with sound business practice, Amtrak should re-
11	cover direct costs plus a reasonable profit margin.
12	SEC. 9220. AMTRAK OFFICE OF COMMUNITY OUTREACH.
13	(a) In General.—Chapter 243 of title 49, United
13 14	(a) IN GENERAL.—Chapter 243 of title 49, United States Code, is further amended by adding at the end the
14	States Code, is further amended by adding at the end the
14 15	States Code, is further amended by adding at the end the following new section:
14151617	States Code, is further amended by adding at the end the following new section: "§ 24325. Amtrak Office of Community Outreach
14151617	States Code, is further amended by adding at the end the following new section: "§ 24325. Amtrak Office of Community Outreach "(a) In General.—Not later than 180 days after the date of enactment of the INVEST in America Act,
14 15 16 17 18	States Code, is further amended by adding at the end the following new section: "§ 24325. Amtrak Office of Community Outreach "(a) In General.—Not later than 180 days after the date of enactment of the INVEST in America Act,
141516171819	States Code, is further amended by adding at the end the following new section: "§ 24325. Amtrak Office of Community Outreach "(a) In General.—Not later than 180 days after the date of enactment of the INVEST in America Act, Amtrak shall establish an Office of Community Outreach
14 15 16 17 18 19 20	States Code, is further amended by adding at the end the following new section: "§ 24325. Amtrak Office of Community Outreach "(a) In General.—Not later than 180 days after the date of enactment of the Invest in America Act, Amtrak shall establish an Office of Community Outreach to engage with communities impacted by Amtrak oper-
14 15 16 17 18 19 20 21	States Code, is further amended by adding at the end the following new section: "§ 24325. Amtrak Office of Community Outreach "(a) In General.—Not later than 180 days after the date of enactment of the INVEST in America Act, Amtrak shall establish an Office of Community Outreach to engage with communities impacted by Amtrak operations.

1	"(A) local officials before capital improve-
2	ment project plans are finalized; and
3	"(B) local stakeholders and relevant orga-
4	nizations on projects of community significance;
5	"(2) clear explanation and publication of how
6	community members can communicate with Amtrak;
7	"(3) the use of virtual public involvement, social
8	media, and other web-based tools to encourage pub-
9	lic participation and solicit public feedback; and
10	"(4) making publicly available on the website of
11	Amtrak, planning documents for proposed and im-
12	plemented capital improvement projects.
13	"(c) Report to Congress.—Not later than 1 year
14	after the establishment of the Office of Community Out-
15	reach, and annually thereafter, Amtrak shall submit to the
16	Committee on Transportation and Infrastructure in the
17	House of Representatives and the Committee on Com-
18	merce, Science, and Transportation of the Senate a report
19	that—
20	"(1) describes the community outreach efforts
21	undertaken by the Amtrak Office of Community
22	Outreach for the previous year; and
23	"(2) identifies changes Amtrak made to capital
24	improvement project plans after engagement with af-
25	fected communities.".

- 1 (b) CLERICAL AMENDMENT.—The analysis for chap-
- 2 ter 243 of title 49, United States Code, is further amend-
- 3 ed by adding at the end the following:

"24325. Amtrak Office of Community Outreach.".

Page 878, after line 11, insert the following:

- 4 (c) Grant Conditions.—The reinstatement under
- 5 subsection (a) shall include all grant conditions required
- 6 under such agreement, including section 22905(c)(2)(A)
- 7 of title 49, United State Code, as of the date of termi-
- 8 nation of such agreement.

Page 897, line 4, strike "\$20,000,000 annual revenue" and insert "\$40,000,000 annual revenue (adjusted for inflation as measured by the Surface Transportation Board Railroad Inflation-Adjusted Index)".

Page 928, after line 12, insert the following:

9 SEC. 9556. NATIONAL HIGHWAY-RAIL CROSSING INVEN-

- 10 TORY REVIEW.
- 11 (a) IN GENERAL.—Not later than 180 days after the
- 12 date of enactment of this Act, the Secretary of Transpor-
- 13 tation shall expend such sums as are necessary to conduct
- 14 a comprehensive review of the national highway-rail cross-
- 15 ing inventory of the Department of Transportation estab-
- 16 lished under section 20160 of title 49. United States Code.

1	(b) Contents.—In conducting the review required
2	under subsection (a), the Secretary shall—
3	(1) verify the accuracy of the data contained in
4	the inventory described in subsection (a) using map-
5	ping technologies and other methods; and
6	(2) correct erroneous data in such inventory.
7	(c) Report.—Not later than 30 days after the com-
8	pletion of the review required under subsection (a), the
9	Secretary shall submit to the Committee on Transpor-
10	tation and Infrastructure of the House of Representatives
11	and the Committee on Commerce, Science, and Transpor-
12	tation of the Senate a report detailing corrections made
13	to the inventory described in subsection (a) and the Sec-
14	retary's plans to ensure continued accuracy of such inven-
15	tory.
16	SEC. 9557. COUNTING RAILROAD SUICIDES.
17	(a) In General.—Not less than 180 days after the
18	enactment of this Act, the Secretary of Transportation
19	shall revise any regulations, guidance, or other relevant
20	agency documents to count suicides on a railroad crossing
21	or railroad right-of-way as trespassing deaths.
22	(b) Authority of the Secretary.—In carrying
23	out subsection (a), the Secretary may require Federal,
24	State, and local agencies, railroads, or other entities to
25	submit such data as necessary.

- 1 (c) Applicability of Rulemaking Require-
- 2 MENTS.—The requirements of section 553 of title 5,
- 3 United States Code, shall not apply to the modification
- 4 required by subsection (a).

