116TH CONGRESS 2D Session **S. 384**

AN ACT

- To require the Secretary of Commerce, acting through the Director of the National Institute of Standards and Technology, to help facilitate the adoption of composite technology in infrastructure in the United States, and for other purposes.
 - 1 Be it enacted by the Senate and House of Representa-
- 2 tives of the United States of America in Congress assembled,

SECTION 1. FACILITATING THE ADOPTION OF COMPOSITE

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TECHNOLOGY IN INFRASTRUCTURE.

3 (a) RESEARCH.—Subject to the availability of appro-4 priations, the Secretary of Commerce, acting through the 5 Director of the National Institute of Standards and Technology, shall implement the recommendations contained in 6 7 the December 2017 report entitled "Road Mapping Work-8 shop Report on Overcoming Barriers to Adoption of Com-9 posites in Sustainable Infrastructure", as appropriate, to help facilitate the adoption of composite technology in in-10 frastructure in the United States. In implementing such 11 12 recommendations, the Secretary, acting through the Di-13 rector shall, with respect to the use of composite technology in infrastructure— 14

(1) not later than 1 year after the date of the
enactment of this Act, develop a design for a data
clearinghouse to identify, gather, validate, and disseminate existing design criteria, tools, evaluation
methods and services, guidelines, and standards in a
timely manner;

(2) not later than 18 months after the date of
the enactment of this Act, establish the data clearinghouse described in paragraph (1);

24 (3) when it would not duplicate or displace
25 building product-specific private sector developed
26 methods and resources, develop methods and re-

1	sources for testing and evaluating safe and appro-
2	priate uses of composite materials for infrastructure,
3	including-
4	(A) conditioning protocols, procedures and
5	models;
6	(B) screening and acceptance tools; and
7	(C) minimum allowable design data sets
8	that can be converted into design tools; and
9	(4) work with other Federal agencies, as appro-
10	priate, to identify environmental impacts and
11	recyclability of composite materials.
12	(b) Standards Coordination.—The Secretary,
13	acting through the Director, shall assure that the appro-
14	priate Institute staff consult regularly with standards de-
15	velopers, evaluation and accreditation bodies, members of
16	the composites industry, institutions of higher education,
17	and other stakeholders in order to facilitate the adoption
18	of standards for use of composite materials in infrastruc-
19	ture that are based on the research and testing results
20	and other information developed by the Institute.
21	(c) PILOT PROGRAM.—
22	(1) IN GENERAL.—Subject to the availability of

(1) IN GENERAL.—Subject to the availability of
appropriations, commencing not later than 1 year
after the date of the enactment of this Act, the Director of the National Institute of Standards and

Technology shall, in consultation with the Industry University Cooperative Research Centers Program of
 the National Science Foundation, conduct a pilot
 program to assess the feasibility and advisability of
 adopting composite technology in sustainable infra structure.
 (2) DURATION.—The Director shall carry out

8 the pilot program during the 4-year period beginning
9 on the date of the commencement of the pilot pro10 gram.

11 (3) REPORTS.—

12 PRELIMINARY REPORT.—Not later (\mathbf{A}) 13 than the date that is 2 years after the date of 14 the commencement of the pilot program, the 15 Director shall submit to the Committee on 16 Commerce, Science, and Transportation of the 17 Senate and the Committee on Science, Space, 18 and Technology of the House of Representa-19 tives a report on the preliminary findings of the 20 Director with respect to the pilot program.

(B) FINAL REPORT.—Not later than the
date that is 90 days after the date of the completion of the pilot program, the Director shall
submit to the committees referred to in sub-

paragraph (A) a report on the findings of the
 Director with respect to the pilot program.
 Passed the Senate August 4, 2020.
 Attest:

Secretary.

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