

AMENDMENT NO. _____ Calendar No. _____

Purpose: To require a study of impacts on roads from self-driving vehicles.

IN THE SENATE OF THE UNITED STATES—116th Cong., 1st Sess.

S. _____

To amend title 23, United States Code, to authorize funds for Federal-aid highways and highway safety construction programs, and for other purposes.

Referred to the Committee on _____ and ordered to be printed

Ordered to lie on the table and to be printed

AMENDMENT intended to be proposed by Ms. DUCKWORTH

Viz:

1 At the end of subtitle E of title I, insert the following:

2 **SEC. 15__ . STUDY OF IMPACTS ON ROADS FROM SELF-**
3 **DRIVING VEHICLES.**

4 (a) IN GENERAL.—Not later than 60 days after the
5 date of enactment of this Act, the Administrator of the
6 Federal Highway Administration (referred to in this sec-
7 tion as the “Administrator”) shall initiate a study on the
8 existing and future impacts of self-driving vehicles to
9 transportation infrastructure, mobility, the environment,
10 and safety, including impacts on—

1 (1) the Interstate System (as defined in section
2 101(a) of title 23, United States Code);

3 (2) urban roads;

4 (3) rural roads;

5 (4) corridors with heavy traffic congestion;

6 (5) transportation systems optimization; and

7 (6) any other areas or issues relevant to oper-
8 ations of the Federal Highway Administration that
9 the Administrator determines to be appropriate.

10 (b) CONTENTS OF STUDY.—The study under sub-
11 section (a) shall include specific recommendations for both
12 rural and urban communities regarding the impacts of
13 self-driving vehicles on existing transportation system ca-
14 pacity.

15 (c) CONSIDERATIONS.—In carrying out the study
16 under subsection (a), the Administrator shall—

17 (1) consider the need for and recommend any
18 policy changes to be undertaken by the Federal
19 Highway Administration on the impacts of self-driv-
20 ing vehicles as identified under paragraph (2); and

21 (2) for both rural and urban communities, in-
22 clude a discussion of—

23 (A) the impacts that self-driving vehicles
24 will have on existing transportation infrastruc-

1 ture, such as signage and markings, traffic
2 lights, and highway capacity and design;

3 (B) the impact on commercial and private
4 traffic flows;

5 (C) infrastructure improvement needs that
6 may be necessary for transportation infrastruc-
7 ture to accommodate self-driving vehicles;

8 (D) the impact of self-driving vehicles on
9 the environment, congestion, and vehicle miles
10 traveled; and

11 (E) the impact of self-driving vehicles on
12 mobility.

13 (d) COORDINATION.—In carrying out the study under
14 subsection (a), the Administrator shall consider and incor-
15 porate relevant current and ongoing research of the De-
16 partment.

17 (e) CONSULTATION.—In carrying out the study under
18 subsection (a), the Administrator shall convene and con-
19 sult with a panel of national experts in both rural and
20 urban transportation, including—

21 (1) operators and users of the Interstate Sys-
22 tem (as defined in section 101(a) of title 23, United
23 States Code), including private sector stakeholders;

24 (2) States and State departments of transpor-
25 tation;

- 1 (3) metropolitan planning organizations;
 - 2 (4) the motor carrier industry;
 - 3 (5) representatives of public transportation
4 agencies or organizations;
 - 5 (6) highway safety and academic groups;
 - 6 (7) nonprofit entities with experience in trans-
7 portation policy;
 - 8 (8) National Laboratories (as defined in section
9 2 of the Energy Policy Act of 2005 (42 U.S.C.
10 15801));
 - 11 (9) environmental stakeholders; and
 - 12 (10) self-driving vehicle producers, manufactur-
13 ers, and technology developers.
- 14 (f) REPORT.—Not later than 1 year after the date
15 on which the study under subsection (a) is initiated, the
16 Administrator shall submit a report on the results of the
17 study to—
- 18 (1) the Committee on Environment and Public
19 Works of the Senate; and
 - 20 (2) the Committee on Transportation and In-
21 frastructure of the House of Representatives.