

AMENDMENT TO H.R. 7389
OFFERED BY MR. FRY OF SOUTH CAROLINA

At the end of the bill, insert the following:

1 **SEC. 19. PULSATING LIGHT SYSTEMS.**

2 (a) REVIEW FOLLOWING COMPLETION OF COVERED
3 RESEARCH.—Not later than 90 days after the covered re-
4 search is complete, the Secretary of Transportation
5 shall—

6 (1) review such research; and

7 (2) determine whether the utilization of a pul-
8 sating light system in a motor vehicle has an overall
9 level of safety at least equal to that of a conventional
10 stop lamp.

11 (b) DEEMED COMPLIANCE.—Unless the Secretary
12 makes a determination within the 90-day period described
13 in subsection (a) that the utilization of a pulsating light
14 system in a motor vehicle does not have an overall level
15 of safety at least equal to that of a conventional stop lamp,
16 Standard 108 shall be deemed to allow for the use of a
17 pulsating light system in any motor vehicle covered by
18 such standard.

19 (c) RULEMAKING.—If the Secretary makes a deter-
20 mination under subsection (a) that the utilization of a pul-

1 pulsating light system in a motor vehicle has an overall level
2 of safety at least equal to that of a conventional stop lamp,
3 then not later than 180 days after the date on which the
4 covered research is complete, the Secretary shall initiate
5 a rulemaking process as the Secretary determines nec-
6 essary to update Standard 108 to—

7 (1) include performance-based standards for
8 pulsating light systems; and

9 (2) allow for the permissive use of such systems
10 in motor vehicles.

11 (d) DETERMINATION OF ADVERSE EFFECT.—If, pur-
12 suant to subsection (a), the Secretary determines that the
13 utilization of a pulsating light system in a motor vehicle
14 does not have an overall level of safety at least equal to
15 that of a conventional stop lamp, then the Secretary, not
16 later than 90 days after the date on which the Secretary
17 makes such determination, shall submit to the Committee
18 on Energy and Commerce of the House of Representatives
19 and the Committee on Commerce, Science, and Transpor-
20 tation of the Senate a written report that—

21 (1) details the basis for such determination;

22 and

23 (2) includes—

24 (A) the data and analysis relied upon to
25 make such determination; and

1 (B) an assessment of—

2 (i) the availability of pulsating light
3 systems in countries other than the United
4 States; and

5 (ii) whether any such systems have
6 demonstrated benefits in reducing rear-end
7 collisions between motor vehicles.

8 (e) DEFINITIONS.—In this section:

9 (1) COVERED RESEARCH.—The term “covered
10 research” means the research conducted by the Vir-
11 ginia Polytechnic Institute and State University be-
12 ginning at the end of 2024 on pulsating stop lamps,
13 flashing lights, and distance perception.

14 (2) PULSATING LIGHT SYSTEM.—The term
15 “pulsating light system” means a system for a high-
16 mounted stop lamp in which—

17 (A) when the brake of the vehicle is ap-
18 plied, the lamp pulses rapidly not more than 4
19 times and for not more than 1.2 seconds, after
20 which such lamp converts to a continuous light
21 as a normal stop lamp until the time such
22 brake is released; and

23 (B) the pulses described in subparagraph
24 (A) may not repeat upon a subsequent applica-
25 tion of the brake of the vehicle for a lock-out

1 period of not fewer than 5 seconds after the re-
2 lease of the brake described in subparagraph
3 (A).

4 (3) STANDARD 108.—The term “Standard 108”
5 means Federal Motor Vehicle Safety Standard No.
6 108 (as described in section 571.108 of title 49,
7 Code of Federal Regulations).

