

112TH CONGRESS  
1ST SESSION

# H. R. 2089

To amend title 23, United States Code, to encourage the use of advanced technologies with respect to transportation projects that receive Federal funding, and for other purposes.

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## IN THE HOUSE OF REPRESENTATIVES

JUNE 2, 2011

Mr. GUINTA (for himself, Mr. PETRI, Mr. SIRES, Mr. SHULER, Mr. COHEN, and Mr. CARNAHAN) introduced the following bill; which was referred to the Committee on Transportation and Infrastructure

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## A BILL

To amend title 23, United States Code, to encourage the use of advanced technologies with respect to transportation projects that receive Federal funding, 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,*

3 **SECTION 1. SHORT TITLE.**

4 This Act may be cited as the “Technology Helps Re-  
5 vamp, Evaluate, and Expedite Designs Act of 2011” or  
6 the “THREE–D Act of 2011”.

1 **SEC. 2. USE OF ADVANCED TECHNOLOGIES.**

2 Section 106 of title 23, United States Code, is  
3 amended by adding at the end the following:

4 “(j) USE OF ADVANCED TECHNOLOGIES.—

5 “(1) IN GENERAL.—With respect to transpor-  
6 tation projects that receive Federal funding, the Sec-  
7 retary shall identify and encourage the use of ad-  
8 vanced technologies, including 3-dimensional mod-  
9 eling and simulation software, during environmental,  
10 planning, financial management, design, simulation,  
11 and construction processes related to the projects.

12 “(2) ACTIVITIES.—To carry out paragraph (1),  
13 the Secretary shall—

14 “(A) compile information relating to ad-  
15 vanced technologies, including industry best  
16 practices with respect to the use of the tech-  
17 nologies;

18 “(B) disseminate to States information re-  
19 lating to advanced technologies, including in-  
20 dustry best practices with respect to the use of  
21 the technologies;

22 “(C) promote the use of advanced tech-  
23 nologies; and

24 “(D) serve as a clearinghouse for States  
25 with respect to best practices relating to the use  
26 of advanced technologies.

1           “(3) VALUE ENGINEERING ANALYSIS.—A value  
2           engineering analysis or other cost-reduction analysis  
3           provided under subsection (e) shall include an anal-  
4           ysis relating to advanced technologies, including 3-  
5           dimensional modeling and simulation software.

6           “(4) PROJECT MANAGEMENT PLANS.—A  
7           project management plan submitted under sub-  
8           section (h) shall include an analysis and documenta-  
9           tion of the use of advanced technologies, including 3-  
10          dimensional modeling and simulation software.”.

11 **SEC. 3. ADOPTION OF ADVANCED TECHNOLOGIES.**

12          (a) IN GENERAL.—The Secretary of Transportation  
13          is authorized to develop and implement incentives to accel-  
14          erate the use of advanced technologies, including 3-dimen-  
15          sional modeling and simulation software, with respect to  
16          transportation projects that receive Federal funding.

17          (b) COMPREHENSIVE PLAN.—The Secretary shall de-  
18          velop and publish on the Internet Web site of the Depart-  
19          ment of Transportation a detailed and comprehensive plan  
20          that addresses the development and implementation of in-  
21          centives under subsection (a).

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