

108TH CONGRESS
1ST SESSION

S. 354

To authorize the Secretary of Transportation to establish the National Transportation Modeling and Analysis Program to complete an advanced transportation simulation model, and for other purposes.

IN THE SENATE OF THE UNITED STATES

FEBRUARY 11, 2003

Mr. BINGAMAN introduced the following bill; which was read twice and referred to the Committee on Environment and Public Works

A BILL

To authorize the Secretary of Transportation to establish the National Transportation Modeling and Analysis Program to complete an advanced transportation simulation model, 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 “National Transpor-
5 tation Modeling and Analysis Program Establishment
6 Act”.

7 **SEC. 2. DEFINITIONS.**

8 In this Act:

1 (1) **ADVANCED MODEL.**—The term “advanced
2 model” means the advanced transportation simula-
3 tion model developed under the National Transpor-
4 tation Network and Analysis Capability Program.

5 (2) **PROGRAM.**—The term “Program” means
6 the National Transportation Modeling and Analysis
7 Program established under section 3.

8 (3) **SECRETARY.**—The term “Secretary” means
9 the Secretary of Transportation.

10 **SEC. 3. ESTABLISHMENT OF PROGRAM.**

11 The Secretary of Transportation shall establish a
12 program, to be known as the “National Transportation
13 Modeling and Analysis Program”—

14 (1) to complete the advanced model; and

15 (2) to support early deployment of computer
16 software and graphics packages for the advanced
17 model to agencies of the Federal Government and to
18 States for national, regional, or statewide transpor-
19 tation planning.

20 **SEC. 4. SCOPE OF PROGRAM.**

21 The Program shall provide for a simulation of the
22 national transportation infrastructure as a single, inte-
23 grated system that—

24 (1) incorporates models of—

1 (A) each major transportation mode, in-
 2 cluding—

3 (i) highways;

4 (ii) air traffic;

5 (iii) railways;

6 (iv) inland waterways;

7 (v) seaports;

8 (vi) pipelines; and

9 (vii) other intermodal connections;

10 and

11 (B) passenger traffic and freight traffic;

12 (2) is resolved to the level of individual trans-
 13 portation vehicles, including trucks, trains, vessels,
 14 and aircraft;

15 (3) relates traffic flows to issues of economics,
 16 the environment, national security, energy, and safe-
 17 ty;

18 (4) analyzes the effect on the United States
 19 transportation system of Mexican and Canadian
 20 trucks operating in the United States; and

21 (5) examines the effects of various security pro-
 22 cedures and regulations on cargo flow at ports of
 23 entry.

24 **SEC. 5. ELIGIBLE ACTIVITIES.**

25 Under the Program, the Secretary shall—

1 (1) complete the advanced model;

2 (2) develop user-friendly advanced transpor-
3 tation modeling computer software and graphics
4 packages;

5 (3) provide training and technical assistance
6 with respect to the implementation and application
7 of the advanced model to Federal agencies and to
8 States for use in national, regional, or statewide
9 transportation planning; and

10 (4) allocate funds to not more than 3 entities
11 described in paragraph (3), representing diverse ap-
12 plications and geographic regions, to carry out pilot
13 programs to demonstrate use of the advanced model
14 for national, regional, or statewide transportation
15 planning.

16 **SEC. 6. FUNDING.**

17 (a) IN GENERAL.—There are authorized to be appro-
18 priated from the Highway Trust Fund (other than the
19 Mass Transit Account) to carry out this Act—

20 (1) \$6,000,000 for fiscal year 2004;

21 (2) \$7,000,000 for fiscal year 2005;

22 (3) \$9,000,000 for fiscal year 2006;

23 (4) \$10,000,000 for fiscal year 2007;

24 (5) \$10,000,000 for fiscal year 2008; and

25 (6) \$8,000,000 for fiscal year 2009.

1 (b) ALLOCATION OF FUNDS.—

2 (1) FISCAL YEARS 2004 AND 2005.—For each of
3 fiscal years 2004 and 2005, 100 percent of the
4 funds made available under subsection (a) shall be
5 used to carry out activities described in paragraphs
6 (1), (2), and (3) of section 5.

7 (2) FISCAL YEARS 2006 THROUGH 2009.—For
8 each of fiscal years 2006 through 2009, not more
9 than 50 percent of the funds made available under
10 subsection (a) may be used to carry out activities de-
11 scribed in section 5(4).

12 (c) CONTRACT AUTHORITY.—Funds authorized
13 under this section shall be available for obligation in the
14 same manner as if the funds were apportioned under chap-
15 ter 1 of title 23, United States Code, except that the Fed-
16 eral share of the cost of—

17 (1) any activity described in paragraph (1), (2),
18 or (3) of section 5 shall be 100 percent; and

19 (2) any activity described in section 5(4) shall
20 not exceed 80 percent.

21 (d) AVAILABILITY OF FUNDS.—Funds made avail-
22 able under this section shall be available to the Secretary
23 through the Transportation Planning, Research, and De-

- 1 velopment Account of the Office of the Secretary of Trans-
- 2 portation.

