
A BILL FOR AN ACT

RELATING TO GREEN TRANSPORTATION INFRASTRUCTURE.

BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF HAWAII:

1 SECTION 1. The legislature finds that sustainable design
2 concepts for public infrastructure incorporate green vegetation
3 and trees to decrease urban temperatures, reduce carbon
4 emissions, improve air quality, and capture water to replenish
5 the water table. The effects of climate change have made the
6 implementation of sustainable design concepts more critical, as
7 each passing year has seen increased temperatures and other
8 impacts from climate change.

9 Accordingly, the purpose of this Act is to improve the
10 quality of life in the State by establishing:

- 11 (1) Objectives and policies for transportation systems,
12 infrastructure, and projects to incorporate green
13 infrastructure; and
- 14 (2) A green transportation infrastructure task force to
15 examine, evaluate, and develop best practices for the
16 department of transportation to further guide, design,



1 implement, and maintain green transportation
2 infrastructure in transportation systems and projects.

3 SECTION 2. Chapter 264, Hawaii Revised Statutes, is
4 amended by adding a new section to part X to be appropriately
5 designated and to read as follows:

6 "§264- Green transportation infrastructure. (a)

7 Planning for transportation systems, infrastructure, and
8 projects shall incorporate green infrastructure to achieve the
9 following climate and sustainability design objectives:

10 (1) Minimizing stormwater runoff and replenishment of the
11 water table;

12 (2) Reducing the urban heat island effect by providing
13 shade that reduces heat absorption over hardened
14 surfaces;

15 (3) Providing cooler shaded transit for pedestrians,
16 bicycle users, and micro-mobility users; and

17 (4) Encouraging the removal, sequestration, and storage of
18 pollutants and greenhouse gas emissions.

19 (b) Planning for transportation systems, infrastructure,
20 and projects shall utilize green infrastructure to achieve life
21 design objectives, including:



- 1 (1) Creating a visual and sound barrier between vehicles
2 and other modes of pedestrian, bicycle, and multi-
3 modal transit to enhance the quality of
4 transportation;
- 5 (2) Creating a visual and sound barrier between vehicles
6 and surrounding communities to enhance quality of
7 life;
- 8 (3) Incorporating live foliage, trees, and green
9 infrastructure to the greatest extent possible to
10 blend transportation infrastructure into the State's
11 natural environment and reflect a state sense of
12 place;
- 13 (4) Finishing non-travel exterior exposed appurtenances
14 and hardened surfaces not covered in foliage or green
15 infrastructure with a standardized paint scheme to
16 protect against weathering, blend appropriately with
17 the State's natural environment, and enhance a state
18 sense of place; and
- 19 (5) Requiring the department of transportation and its
20 contractors to adopt uniform best practices when
21 planting, caring for, and maintaining trees and green



1 infrastructure by following ANSI A300 or similar best
2 practice standards appropriate for Hawaii for tree
3 care practices."

4 SECTION 3. Section 264-141, Hawaii Revised Statutes, is
5 amended to read as follows:

6 "~~§~~**264-141**~~§~~ **Definitions.** As used in this part ~~of~~
7 ~~"department"~~:

8 "Department" means the department of transportation.

9 "Green infrastructure" means the range of measures that use
10 plant, tree, or soil systems with an expected life span of at
11 least twenty years designed to reduce carbon footprints, enhance
12 shade, reduce temperatures, reduce stormwater flow to sewer
13 systems or surface waters, and meet the State's climate and
14 sustainability goals."

15 SECTION 4. Section 264-143, Hawaii Revised Statutes, is
16 amended by amending subsection (a) to read as follows:

17 "(a) When planning, designing, and implementing ground
18 transportation infrastructure for each project pursuant to this
19 part, the department shall endeavor to:

20 (1) Assess and maximize total throughput of people across
21 all modes of transportation;



- 1 (2) Achieve any goals described in the complete streets
2 policy adopted pursuant to section 264-20.5;
- 3 (3) Reduce vehicle miles traveled;
- 4 (4) Decrease the percentage of single occupancy vehicles
5 in the State's mode share;
- 6 (5) Provide equity for all communities and users;
- 7 (6) Improve safety and achieve any goals described in the
8 vision zero policy adopted pursuant to section 286-
9 7.5;
- 10 (7) Reduce user cost of transportation;
- 11 (8) Improve public health;
- 12 (9) Reduce carbon emissions and greenhouse gasses to meet
13 state renewable portfolio standards established in
14 section 269-92 and zero emissions clean economy by
15 2045 pursuant to section 225P-5;
- 16 (10) Reduce [~~urban~~] temperatures and provide for cooler
17 transit by incorporating green infrastructure [~~tree~~
18 ~~canopy and foliage over hardened surfaces,~~] pursuant
19 to section 264- ; and
- 20 (11) Beautify public infrastructure."



1 SECTION 5. (a) There is established the green
2 transportation infrastructure task force to be placed in the
3 department of transportation for administrative purposes. The
4 green transportation infrastructure task force shall examine,
5 evaluate, and develop best practices to guide the design,
6 implementation, and maintenance of green transportation
7 infrastructure pursuant to section 264- , Hawaii Revised
8 Statutes.

9 (b) The task force shall consist of the following members:

- 10 (1) One member appointed by the president of the senate
11 and one member appointed by the speaker of the house
12 of representatives, who shall serve as co-chairpersons
13 of the task force;
- 14 (2) One representative of the department of transportation
15 highways division;
- 16 (3) One representative from the department of land and
17 natural resources;
- 18 (4) One representative of the climate change mitigation
19 and adaptation commission;
- 20 (5) One representative from the office of planning and
21 sustainable development;



1 (6) One representative from the Hawaii tourism authority;

2 (7) One representative from the University of Hawaii
3 department of urban and regional planning;

4 (8) A certified arborist from the University of Hawaii;
5 and

6 (9) One representative from the office of Hawaiian
7 affairs.

8 (c) The co-chairpersons of the task force shall invite
9 representatives to participate on the task force, and may invite
10 other relevant stakeholders that shall include but not be
11 limited to:

12 (1) Community groups with a focus on reducing urban
13 temperatures in public infrastructure;

14 (2) Organizations with a focus on reducing wastewater in
15 public infrastructure;

16 (3) Organizations with a focus on beautifying the State;
17 and

18 (4) Organizations with experience in painting and
19 finishing in public construction projects.

20 (d) The green transportation infrastructure task force
21 shall submit a report of its findings and recommendations,



1 including any proposed legislation, to the legislature no later
2 than twenty days prior to the convening of the regular sessions
3 of 2024 and 2025.

4 (e) The task force shall dissolve on June 30, 2025.

5 SECTION 6. Statutory material to be repealed is bracketed
6 and stricken. New statutory material is underscored.

7 SECTION 7. This Act shall take effect on June 30, 3000.



Report Title:

Green Infrastructure; Transportation; Green Transportation
Infrastructure Task Force

Description:

Establishes green infrastructure objectives and policies for transportation systems, infrastructure, and projects.
Establishes the green transportation infrastructure task force to examine, evaluate, and develop policies for the design, implementation, and maintenance of green transportation infrastructure. Effective 6/30/3000. (HD1)

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