

REAAA Smart Highway Award 2025

Call for Application

The Smart Highway Award aims to recognize REAAA members for their outstanding achievement and contribution in the development and application of smart highway management systems, to exchange and share their experience in smart highway development, and to promote cross-disciplinary integration and smart technology applications for road engineering.

1. Eligibility

- A. The candidate must be an Institutional Member of the REAAA.
- B. Project stakeholders including project owner, engineering consultant companies, main or subcontractors are eligible for being candidates of the Award.
- C. The Highway referred to herein is a major roadway with more than one lane of traffic in each direction designed for automobile operation in higher speed. It has barriers or wide median strips separating traffic travelling in opposite directions, and grade-separated intersections without roundabouts or traffic lights in the main route. Access to the highway is controlled by ramp.
- D. Applicant shall submit the document of a project it selects as a supporting material for competing for the Award. The submitted project shall be primarily composed of smart highway operation and management system and must be completed within 4 years before the announcement for application for the Award.
- E. Organizations affiliated with the members of the Award Selection Committee shall not be eligible for being selected as candidates.
- F. Applicant shall submit the application from with at least one recommendation letter from a current REAAA council member(s) and a consent letter from the project owner if the applicant is not the project owner.

2. Selection Criteria

The Award Selection Committee shall make the selection based on the following criteria:

- A. Being original or innovative application of the ICT technology.
- B. Being a newly developed or innovative technique, solution, service, or business model.
- C. Being successful in the service, concept, or product it provided.
- D. Making contributions to society, economy, and sustainability.
- E. Being innovative for Big Data application.
- F. Being a system with high efficiency and reliability.
- G. Promoting the effectiveness of maintenance.
- H. Making contributions to the growth of emerging industries.

- I. Promoting safety and effectiveness for road operation.
- J. Promoting effectiveness for energy saving and carbon reduction.

3. Award

The award recipient shall receive 20,000 US dollars (including handling fee and tax) as the prize money and an award plaque.

4. Applications

- A. The applicant shall fill out the application form truthfully, completely, and accurately, with at least one recommendation letter from a current REAAA council member(s) and a consent letter from the project owner if the applicant is not the project owner.
- B. Application documents including the application form, associated support material, consent letter from the project owner, and recommendation letter from a current REAAA council member shall be sent together by email or encrypted email to the address designated by the REAAA secretariat.
- C. Incomplete or invalid application shall not be eligible for being selected as a candidate and shall be precluded from the Award selection process.

5. Schedule

No	Task	Duration (month)	Date
1	Calling for application	3	1 st Mar 2024 ~ 31 st May 2024
2	Organizing application documentation	1	1 st Jun 2024 ~ 30 th Jun 2024
3	Qualification review (by task team)	3	1 st Jul 2024 ~ 30 th Sep 2024
4	Clarification for review comments (by applicants)	3	1 st Oct 2024 ~ 31 st Dec 2024
5	Award selection (by Award Committee)	3	1 st Jan 2025 ~ 31 st Mar 2025
6	Award selection result approval	2	1 st Apr 2025 ~ 31 st May 2025 (at the 123 rd Council Meeting)
7	Notify recipient of the Award	1	1 st Jun 2025 ~ 30 th Jun 2025

6. Contact

REAAA Secretariat

E-mail: exec.sec@reaaa.net

Address: 46B, Jalan Bola Tampar 13/14, Section 13, 40100 Shah Alam Selangor, MALAYSIA.

Phone: + 603 5513 6380

Fax: + 603 5513 6390

Road Engineering Association of Asia and Australasia**Smart Highway Award 2025****Application Form**

This form is to be submitted via e-mail to exec.sec@reaaa.net by 31st May 2024.

1. Applicant Information			
Organization		Member No.	
Country		Phone Number	
Address			
Representative of Applicant			
Name		Position	
Email Address		Phone Number	(O) (C)
Address			
Person of Contact (if different from the name of Representative)			
Name		Position	
Email Address		Phone Number	(O) (C)
Address			
Recommendation Letter			
(Please attach letter(s) of recommendation by current REAAA council member(s))			
Recommender		Member No.	
Organization		Position	
Email Address		Phone Number	(O) (C)
Address			

2. Project Information			
Project Name			
Location			
Service Period	Start Date	Completion Date	
	Duration	Operation Commencing Date	
Team	Owner	Designer	
	Supervisor	Contractor	
	Other stakeholders		
Consent Letter (Please attach the consent letter of the project owner if the applicant is not the project owner.)			
Provider		Country	
Email Address		Phone Number	
Address			

Project Description

Significance of the Project

(Please describe the achievement or accomplishment of the project according to each of the selection criteria as shown in the following from A to J.)

A. Being original or innovative application of the Information and Communications Technology (ICT).

B. Being a newly developed or innovative technique, solution, service, or business model.

C. Being successful in the service, concept, or product it provided.

D. Making contributions to society, economy, and sustainability.

E. Being innovative for Big Data application.

F. Being a system with high efficiency and reliability.

G. Promoting the effectiveness of maintenance.

H. Making contributions to the growth of emerging industries.

I. Promoting the safety and effectiveness of road operation.

J. Promoting the effectiveness of energy saving and carbon reduction.

Remarks:

1. Before filling out this application form, please read the “Guidelines for Smart Highway Award” (Appendix 1) to understand the purpose of the award and the preparation and selection procedure.
2. Applicants are required to provide whatever necessary in line with the stated criteria to make a strong case for their application.
3. The application starts on 1st March 2024 and ends on 31st May 2024.
4. Should you have any questions or inquiries, please do not hesitate to contact REAAA Secretariat.

Signature _____ Application Date _____
Representative of Applicant

Guideline for Smart Highway Award

1. General Information

The guideline provides the background for setting up the Smart Highway Award and specifies the selection criteria for the Smart Highway Awards.

1.1 Name of the Award

The name of the Award is Smart Highway Award.

1.2 Background

- A. To speed up the development and application of smart systems for highway operation and management in response to the rapid advancement of AI, 5G, Big Data, IoT and other smart technologies.
- B. The China Road Federation (hereinafter referred to as the CRF) have been promoting its corporation with the international road engineering societies ever since its first participation in the 2nd Governing Council Meeting of Road Engineering Association of Asia and Australasia (hereinafter referred to as the REAAA) in 1978.
- C. As a member of the REAAA, CRF is willing to establish the Smart Highway Award (hereinafter referred to as the Award) as a gratitude to the long-term support from REAAA.

1.3 Principle

To recognize REAAA members for their outstanding achievement and contribution in the development and application of smart highway management system, to exchange and share the experience in smart highway development, and to promote the cross-disciplinary integration and smart technology applications for road engineering.

1.4 Sponsorship

The Award is sponsored by the CRF as a council member of REAAA. The Fund of the Award is sponsored by the Far Eastern Electronic Toll Collection Company as a member of CRF.

1.5 Facilitator

Representatives appointed by CRF shall assist the Award Management

Committee in dealing with the matters regarding the award.

2. Award

2.1 Time Frame

In response to the rapid development of AI, 5G, Big Data, IoT and other smart technologies, selection and conferment of the Award shall take place once no more than every four years.

2.2 Recipient of the Award

The recipient of the Award shall be called as “The Recipient of the OOOO (year) Smart Highway Award”

2.3 Form of the Award

Award recipient shall receive 20,000 US dollars as the prize money and an award plaque with the following texts inscribed.

We hereby present (<u>Recipient of the Award</u>) with this award for the (<u>Name of the Project</u>) in recognition for its outstanding achievement in the operation and management of highway in Asia and Australasia.

2.4 Announcement of the Award

The Award shall be announced by the REAAA Secretariate and conferred at the REAAA General Meeting or the Council Meeting.

3. Application and Selection

3.1 Qualification

A. Applicant shall submit the document of a project it selects as a supporting material for competing for the Award. The submitted project shall be primarily composed of smart highway operation and management system and must be completed within 4 years before the announcement for application for the Award.

B. The Highway referred to herein is a major roadway with more than one lane of traffic in each direction designed for automobile operation in higher speed. It has barriers or wide median strips separating traffic travelling in opposite directions, and grade-

separated intersections without roundabouts or traffic lights in the main route. Access to the highway is controlled by ramp.

- C. Project stakeholders including project owner, engineering consultant companies, main or subcontractors are eligible for being candidates of the Award.
- D. The candidate must be an Institutional Member of the REAAA.
- E. Organizations affiliated with the members of the Award Selection Committee shall not be eligible for being selected as the candidates.

3.2 Application

- A. The applicant shall fill out the application form truthfully, completely, and accurately, with at least one recommendation letter from current REAAA council member(s) and a consent letter from the project owner if the applicant is not the project owner.
- B. Application document including the application form, associated support material, consent letter from the project owner, recommendation letter from current REAAA council member shall be sent together by email or encrypted email to the address designated by the REAAA secretariate.
- C. Incomplete or invalid application shall not be eligible for being selected as a candidate and shall be precluded from the Award selection process.

3.3 Selection Process

Selection process for the Award is illustrated in Figure 1. The schedule to be met and tasks to be implemented are listed in Table 1.

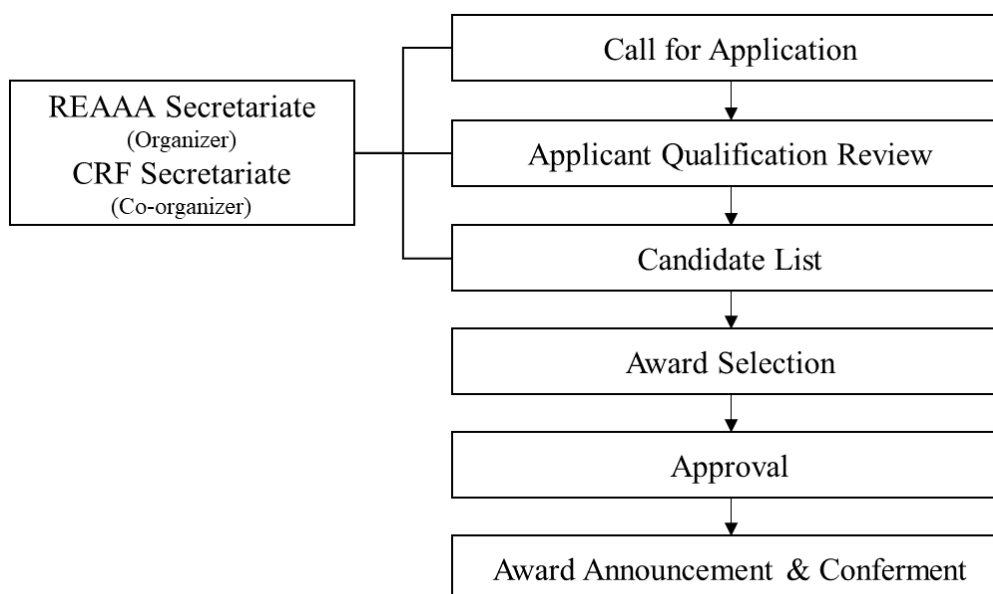


Figure 1. Selection Process

Table 1. Schedule for Selection of the Smart Highway Award

No	Task	Duration (month)	Date
1	Calling for application	3	1 st Mar 2024 ~ 31 st May 2024
2	Organizing application documentation	1	1 st Jun 2024 ~ 30 th Jun 2024
3	Qualification review (by task team)	3	1 st Jul 2024 ~ 30 th Sep 2024
4	Clarification for review comments (by applicants)	3	1 st Oct 2024 ~ 31 st Dec 2024
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6	Award selection result approval	2	1 st Apr 2025 ~ 31 st May 2025 (at the 123 rd Council Meeting)
7	Notify recipient of the Award	1	1 st Jun 2025 ~ 30 th Jun 2025

3.4 Candidates

- A. The facilitator as specified in Clause 1.5 shall assist in organizing the application document and carry out qualification review for the REAAA Secretariat.
- B. Qualified applicants shall be put into the candidate list for the Award Selection.

3.5 Award Selection

- A. Award selection shall be carried out by the Award Selection Committee (hereinafter referred to as the ASC) based on the criteria specified in Section 4 of the Guidelines.
- B. The Award shall be selected with the presence of more than half of the ASC members in the award selection meeting. The recipient of the Award shall be selected using the rank order method as specified in Clause 3.5.C.
- C. In compliance with the award selection criteria specified in Section 4, each of the ASC members shall rank the candidates from high to low with numerical order by consecutive natural numbers starting from one based on the total scores that each of the candidates make. The sum of the rank orders for a candidate shall be calculated by adding up the rank orders this candidate receives from all the ASC members. The candidate with the lowest sum of rank orders shall be selected as the recipient of the Award.
- D. In case there are two or more than two candidates finish with exact the same lowest sum of rank orders, the selection process shall be implemented again by the ASC members that are present in the award selection meeting until one of these candidates can be selected as the recipient of the Award.
- E. In case any ASC member is not able to participate in the award selection meeting, she/he shall authorize a person as her/his representative to attend the meeting and carry out the voting when necessary.

3.6 Report

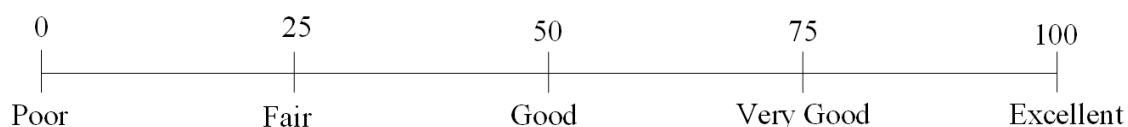
Results of the Award selection shall report to the Governing Council for approval.

4. Award Selection Criteria

The Award Selection Committee shall make the selection based on the following criteria:

- A. Being original or innovative application of the ICT technology.
- B. Being newly developed or innovative technique, solution, service or business model.
- C. Being successful in the service, concept, or product it provided.
- D. Making contribution to society, economy, and sustainability.
- E. Being innovative for Big Data application.
- F. Being a system with high efficiency and reliability.
- G. Promoting the effectiveness for maintenance.
- H. Making contribution to the growth of emerging industries.
- I. Promoting safety and effectiveness for road operation.
- J. Promoting effectiveness for energy saving and carbon reduction

Each of the criteria shall be scored on a 1 to 100 scale. The sum of all scores in full marks is 1,000.



Fill up the score for each item on a 0 to 100 scale

Criteria (Score Scale)	Score		
	Candidate 1	Candidate 2	Candidate 3
A. Being original or innovative application of the ICT technology (0-100)			
B. Being newly developed or innovative technique, solution, service or business model (0-100)			
C. Being successful in the service, concept, or product it provided (0-100)			
D. Making contribution to society, economy, and sustainability (0-100)			
E. Being innovative for the application of Big Data (0-100)			
F. Being a system with high efficiency and reliability (0-100)			
G. Promoting effectiveness for maintenance (0-100)			
H. Making contribution to the growth of emerging industries (0-100)			
I. Promoting safety and effectiveness for road operation (0-100)			
J. Promoting effectiveness for energy saving and carbon reduction (0-100)			
Total Score (0 - 1,000)			
Rank Order			
Suggestion:			
Signature:			

5. Others

5.1 Cancellation of the Award

Untruthful, incomplete, or inaccurate application information shall result in cancellation of the Award and return of cash prize and plaque.

5.2 Repetitive Conferment

Same project can only be used for applying the Award once and is not allowed to be used by different applicants.

5.3 Other Details

Other details not specified herein shall follow the Terms of Reference for Smart Highway Award approved by the REAAA Governing Council or to be resolved by consulting with the Award Management Committee.

5.4 Dispute and Resolution

Any dispute arose from the guideline and conferment of the Smart Highway Award shall be resolved by consulting with the Award Management Committee and the REAAA Governing Council.