# PIARC Special Project

# “Smart Roads Classification”

# Template for proposals

# to the call for proposals

***Deadline for submission of proposals:***

***January 25th, 2021***

**Executive Summary** [maximum 1 page]

**Table of contents**

**The proposal should be developed based on this table of content.**

**Size:**

The 7 first points of this table of contents, including the executive summary, should be developed in a maximum of 20 pages. The whole document, including the appendices, should have a maximum of 50 pages.

Formats and/or layouts different to this Word file are welcome.

Executive Summary (maximum 1 page)

**1. Introduction to the tenderer organization/company** (maximum 2 pages; appendixes can be added).

**2. Understanding Smart Roads Classification and Special Project requirements**: project background, scope and objectives (maximum 1 page).

**3. Proposed methodology and approach**:

1. How will the study collect international information regarding SRC and its future trends?
2. How will the study collect world-wide state-of-the-art sources, applications and business cases that deal with SRC?
3. How will the study identify challenges and opportunities of SRC?
4. How will the study be structured in order to ensure a clear presentation and to show the potential of SRC?
5. How the classification of the different roads and their segments and junctions must be carried out, as well as which factors in terms of infrastructure, communications, ITS, environment, safety will be considered.
6. Which key performance indicators are proposed to establish an objective and effetcive smart road classification?
7. How stakeholders around the world regarding the topic will be identified?
8. How the study will analyze a business model from NRA perspective?
9. How will the study take LMICs’ reality into account in order to provide specific recommendations to them regarding SRC?
10. What project milestones and associated deliverables are proposed? What will be the approach for monitoring the progress and to include the inputs from the Project Oversight Team (POT)? It is recommended to organize monthly videoconference, and to share with the POT regularly intermediate deliverables asking for feedback.
11. How the management of the project will be organized including quality assurance and quality control without taking significant resources from the project.

**4. Key areas**:

- Methodology of collecting information

- Consideration of LMIC realities, needs, challenges and opportunities

- Key performance indicators that will enable the evaluation of the level of the smartness of a road

**5. Work schedule** (please provide a definition of tasks and deliverables in a time frame).

**6. Budget:**

- Proposed budget for PIARC.

- Working time included in the budget for different contributors of the proposed team.

- Presentation option for the October 2021 PIARC Council meeting (physical or virtual participation).

- Proposed schedule of invoices (to be linked to deliverables)

**7. Proposed experts, organization of the team and international network**

(Maximum a half page by individual, including their experience in the road sector, in the CAV sector, their international experience and their experience in LMICs; longer CVs and additional information can be added as appendices to the proposal.)

**8. Appendices**

*Reminder:*

The 7 first points, including the executive summary, should develop in a maximum of 20 pages.

The whole document should have a maximum of 50 pages including the appendices.