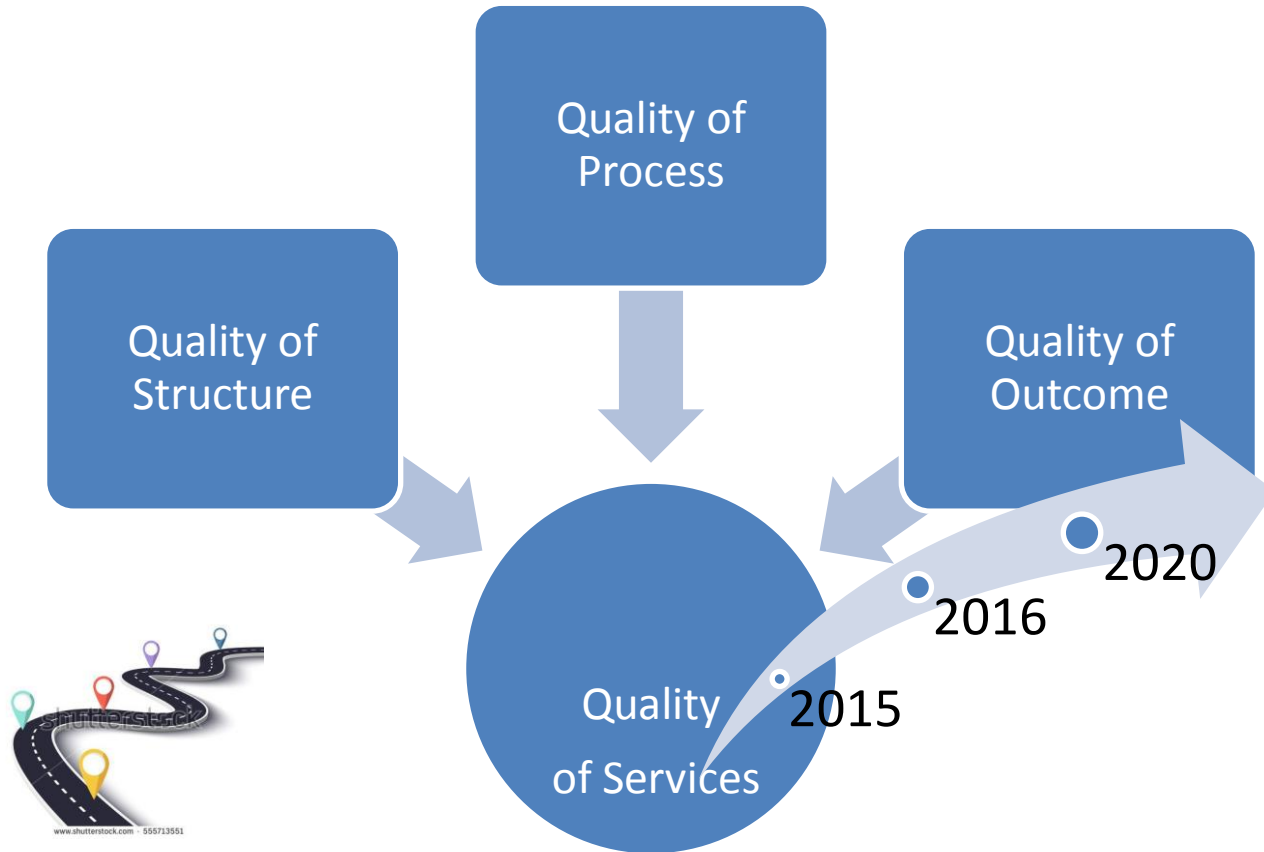# Pedestrian Safety

Pedestrian Safety

A. What are the hazardous factors for pedestrian safety?

There are many different factors such as

1. Sudden bends or curves with or without signs, where it is not possible to ensure clear visibility

2. Under repair roads with or without signs

3. Sudden Traffic signals with or without signs

4. Sudden Pedestrian crossings with or without signs

5. Sudden Speed breakers with or without signs

6. Unmanned Road Medians with or without signs

7. Road deterioration and potholes

8. Poorly maintained septic systems and manholes

9. Traffic violators and lack of driving norms

(1) Sudden bends or curves – A hazard

(2) Sudden Road under repair conditions– A Hazard

(3) Sudden Traffic signals – A Hazard

(4) Sudden Pedestrian crossings – A Hazard

(5) Sudden Speed breakers – A Hazard

SPEED BREAKER AHEAD

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(6) Unmanned road medians – A Hazard

(7) Potholes – A hazard

(8) Septic System & Manholes – A Hazard

(9) Traffic violators or lack of driving norms– A Hazard

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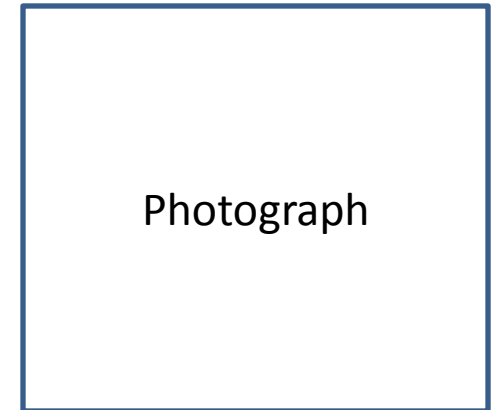
Pedestrian Safety App

Form Serial No: **Date:**

Name of road system :

Road ID (A computer generated serial number):

Name of person or entity reporting problem:

Name of road maintenance company (if known):

Annual Maintenance Contract No (if relevant):

Photograph

Nature of inspection or assessment:

[ ] **Photograph taken and sent to municipal civic body** (for accountability or to improve road safety)

[ ] **Hazardous factors such as the 1 to 9 issues highlighted**

[ ] **Location analysis** (condition of road, whether there is sufficient prior intimation for "traffic signals, pedestrian crossings, speed breakers or road humps, accident zones, road repair scenarios, zones with displaced traffic", manned road medians, clear visibility and safe navigability with sufficient lighting)

[ ] **Signage for emergency services** (whom to contact for this road system and notification as to what should be done if there are incidents of accidents or other health hazards)

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Evaluation of reason for hazard:

[ ] **Poor quality road construction**

[ ] **Poor quality repair work**

[ ] **Poor quality "preventive maintenance of road"**

[ ] **Road affected by water bodies or drainage structures**

[ ] **Damage due to natural or man-made disaster occurrence**

[ ] **Sudden bends or curves with or without signs, where it is not possible to ensure clear visibility**

[ ] **Under repair roads with or without signs**

[ ] **Sudden Traffic signals with or without signs**

[ ] **Sudden Pedestrian crossings with or without signs**

[ ] **Sudden Speed breakers with or without signs**

[ ] **Unmanned Road Medians with or without signs**

[ ] **Road deterioration and potholes**

[ ] **Poorly maintained septic systems and manholes**

[ ] **Traffic violators**

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Classification of median (according to the road system):

[ ] Unmanned median

[ ] Low clearance median

[ ] Raised median

[ ] Damaged or under repair median

[ ] Other median issues

[ ] Manned via sensors medians

Evaluation of action needed:

[ ] **Immediately ensure safety, prevent accidents and health hazards**

[ ] **Issue or put up sufficient prior signage and public notifications for hazards**

[ ] **Check for road utilization problems** (traffic violation and displaced traffic)

[ ] **Check for seepage** (due to nearby water bodies or drainage structures)

[ ] **Categorize nature of pedestrian safety (**like signage intimating that "crossing is hazardous, accident zone, unrestricted speed limit", signage indicating unmanned medians, need for the incorporation of manned medians and alarm systems)

Manned medians via sensors (proximity and motion) & alarm systems

A **proximity sensor** is a sensor able to detect the presence of nearby objects without any physical contact via electromagnetic fields, light, sound.

A **motion sensor** is a sensor used to detect motion.

Installation of the above sensors along the median will need to be done as per a **Road system safety programme.** The associated alarm system in turn sounds an alarm warning the approaching traffic about sudden crossing along the median.

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Reason for road inspection or assessment (Tick as applicable):

[ ] Accidents or Health hazards   [ ] Complaints about safety

[ ] Emergency call or disaster   [ ] Aging of road infrastructure

[ ] Preventive maintenance   [ ] Routine assessment

Complaint No: **Priority Complaint No:**

Time taken:

Record of inspection:

Date	Nature of inspection	Details of inspection	Next scheduled date	Done by

Pedestrian Safety App

Record of condition:

Date	Condition	Details of condition	Analysis of condition	Plan of action	Done by

Record of repairs:

Date	Nature of repairs or cleaning	Details of repairs or cleaning	Cost of repairs or cleaning	Reordering Of material	Done by

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- **Record of road's performance (Tick as applicable):**
- [ ] No complaints   [ ] Pedestrian safety proper and adept
- [ ] Occasional complaints   [ ] Road safety proper and adept
- [ ] Recent complaints
- [ ] Complaints since a long time
- [ ] Rising number of complaints

-

- **Current problem or complaint or observation?**

- **Whether subsequent actions were taken?**

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Whether Corrective Action was outlined? (Yes/No)
- **Details:**

- **Whether Preventive Action is planned? (Yes/No)**
- **Details:**

- **Whether Grievance Redressal was necessary? (Yes/No)**
- **Details:**

- **What will be done to prevent re-occurrence of problem or issue?**