

## Plan for risk mitigation

Added Air Quality  
Management planning



The SMART Phone Application and Desk  
framework for this needs approval and funding

## **What are the other documents available for this proposal?**

The other documents related to this proposal (that can be made available on request) are:

1. Tracking of roads and road systems
2. QA of road system planning
3. QA of emergency response planning
4. QA for Commuter safety
5. QA for Potholes
6. QA for Manholes
7. QA for Septic systems
8. Mitigation of Tree Fall Hazards  
URL: [www.venkataoec.wixsite.com/treeconservator](http://www.venkataoec.wixsite.com/treeconservator)
9. QA of signage deployment
10. Mitigation of Air Pollution Hazards  
URL: [www.venkataoec.wixsite.com/consciousacts](http://www.venkataoec.wixsite.com/consciousacts)

## 1. Current crisis

The problems today are that our roads and road systems pose a threat to life.

Most recent news about potholes still claiming lives in 2017 - is distressing and not very reassuring of good civic governance & administration.

The problem of roads having potholes is not new. Though cities have made progress in many areas, our roads, road systems and associated pollution control systems do not have any quality assurance associated with them.

## 2. Today's support system

There are newspapers that enable people and commuters to take snaps of poor quality conditions of different public infrastructure elements and facilities and thereon publish the same in their editions.

There are also civic bodies that have deployed mobile applications to permit people and commuters to immediately notify the authorities about similar quality issues.

Though this does draw notice to the issue, the resolution of the same is not guaranteed to be adept or adequate.

Importantly as there is no **Risk Mitigation programme** for different components of a city's public infrastructure and facilities- people and commuters still face many risks & threats, where sometimes the adverseness is even fatality.

### **3. New proposal**

The remedy to the increasing pollution levels, hazards to commuter safety, pothole crisis, or poor quality manhole or septic system problem, is not the complete elimination of incidences - as this is not possible.

The remedy is a provision for people, commuters and a Risk Mitigation panel to notify civic authorities about quality issues related to roads and road systems, to immediately actuate risk mitigation and to thereon track resolution of the problem.

The Risk Mitigation panel could comprise of people representatives elected by vote, nomination or by personal choice.

The Risk Mitigation framework will need to be authorized, separately funded and aided in its operations via public funding, or corporate funding, or philanthropic contribution and last of all even by government budgets.

### **4. What does this mean?**

Functionality 1: This means that if a commuter, citizen, business entity, governing authority or civic body finds a possible crime incidence or safety issue in commuting via public and private transport, there must be a provision to alert an “Emergency Response Desk” via alerts, distress, complaints and information that will act to do (a) to (h) :

Functionality 2: This means that if a commuter, citizen, business entity, governing authority or civic body finds a pollution level or quality issue with public infrastructure, locations and facilities,

there must be a provision to record information, distress, complaints that are thereon sent to a “Risk Mitigation Desk” that will act to do (a) to (h):

- a. Acknowledge receipt by raising a ticket
- b. Evaluate the crime incidence, safety or quality issue and associated hazards more completely
- c. 2 For safety issues - Initiate immediate or near immediate action or mitigation of risk or hazard (by responding to the alert or distress signal via the Emergency Response Network)
- c. 2 For quality issues - Initiate immediate or near immediate mitigation of risk or hazard (by installing signage & barricades and also by issuing public safety advisories)
- d. Submit the ticket and remedial proposal to the concerned police or governing authority or civic body for forensic analysis or root cause analysis
- e. Notify concerned authorities or civic bodies to take note of the action taken or risk mitigation implemented and to take further action to ensure there is no hazard till the safety or quality issue is completely resolved
- f. Get a timeline from the police or concerned authority or civic body for the resolution of the issue and update the same in the ticket status
- g. Follow, escalate and evaluate resolution of issue till satisfactory closure

h. Close the ticket or update status with supportive details

## **5. Added to this**

Added to this the Risk Mitigation panel will also monitor

- a. Pending tickets for critical or high priority quality issues
- b. Raise priority alerts and send notifications to the police, concerned authorities and civic bodies
- c. Promote sensitization, awareness and preparedness about the need for safety and quality assurance related to public infrastructure and facilities (like in this case commuter safety, roads and road systems)
- d. Design and implement quality assurance for associated systems, like for public & private infrastructure, transportation, roads and road systems this could include:
  - + Develop quality assurance for Commuter safety (Focus specifically for Women and children)
  - + Develop quality assurance for Manholes
  - + Develop quality assurance for Septic systems
  - + Mitigate risks due to tree fall or branch collapse
  - + Develop quality assurance for the deployment of signage, road signs, signposts, barricades and even billboards

- + Develop quality assurance for planning (that includes design standards compliance, consideration of traffic factors, consideration of pollution level & environmental factors, maintenance systems reliability, consideration of drainage systems and satisfactory traffic signaling systems)
- + Develop quality assurance for emergency response services

## **6. AOEC's offerings**

AOEC (a SOHO consultancy) offers gap analysis toolkits for Climate change mitigation, SMART City planning and sustainable commuting.

You can ask for more details by calling the consultant on +91 9342867666 or by emailing [venkataoec@gmail.com](mailto:venkataoec@gmail.com)