**True cost of repairing potholes in Asphalt-Surfaced Pavements**

Part 1: Pothole patching: Asset Management

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I'm conducting as short survey on finding out the true cost of repairing potholes in Asphalt-Surfaced Pavements. There are two parts to the online survey that is (1)Asset Management and (2)Pothole Patching Method. I hope you will be able to complete it in one sitting. The information provided by you would be kept confidential.



1. Local Authority/Organisation





2. Telephone





3. Email





4. What is the usual thickness of a pothole in terms of depth? (Please state your answer in 'mm')





5. Do you operate a life cycle analysis (LCA) tool for pothole repair?

* Yes
* No



6. What percentage of the recorded potholes was patched? 100% only record potholes to be repaired

* < 30%
* 30 - 40%
* 40 - 60%
* 60 - 75%
* 75%



7. Does the number of potholes in your network is growing annually?

* Yes
* No
* Unknown



8. What is the percentage of repair that needs to be repaired again?

* 5 - 10%
* 10 - 15%
* 20 - 30%
* Unknown



9. Please state in percentage of annual maintenance budget that is assigned for repairing potholes





10. Is there any availability of equipment to track the potholes in your region?

* Yes
* No

Part 2: Pothole Patching Method

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11. What is the usual size of a patching of pothole?

* < 2 sq. m
* > 2sq. m
* Variable



12. What materials are applied for pothole repair?

* Hot Mix Asphalt
* Cold Mix Proprietary Materials
* Both



13. What is the possible reason for the failure of pothole patch? (Please rank the following statements on a scale of 1 to 4) (1 = most likely reason, 4 = least likely reason)

| 13. What is the possible reason for the failure of pothole patch? (Please rank the following statements on a scale of 1 to 4) (1 = most likely reason, 4 = least likely reason) | 1 | 2 | 3 | 4 |
| --- | --- | --- | --- | --- |
| Poor quality materials |  |  |  |  |
| Poor adhesion between the edges and binder |  |  |  |  |
| Water penetration |  |  |  |  |
| Inadequate compaction |  |  |  |  |



14. Do you require more information on (Please tick all that apply): **\*This question is required.**

* Comparison of different materials
* Development of new or innovative materials
* Development of alternative methods
* Improved maintenance (patching) management?
* Improves guidance, training and specifications
* Improved patching standards
* Mechanism of pothole formation
* Mechanism of pothole progression
* Prediction of pothole existence
* The way maintenance records are kept and what they contain
* other-required Please enter an 'other' value for this selection. **\* This question is required.**



15. If additional funding was given, what would be the significance areas to fund?

* Equipment
* Material
* Research
* Staff/Training
* All of the above
* other-required Please enter an 'other' value for this selection. **\* This question is required.**



16. What category of maintenance are you applying for pothole patching?

* Planned maintenance
* Reactive maintenance
* Routine maintenance