



Stormwater Operation and Maintenance Inspection Checklist: Pervious Pavement

City Code Chapter 96 Article I 96-14

City of Springfield, Department of Environmental Services: 290 E Central St Springfield, MO 65802 (417) 864-1944

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| Inspector Name and Title: | |
| Date of Inspection: | Property Address: |
| Owner Name: | Owner Address: |
| Owner Phone: | Owner Email: |

| Circle a score (0,1 or 2 for each area/row) | 0 – Good Condition Should monitor and continue routine maintenance | 1 – Degraded Condition Routine maintenance or repair needed. Functionality could be affected if not addressed | 2 – Serious Condition Immediate need for maintenance or repair to restore functionality |
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| TRASH/DEBRIS/SEDIMENT REMOVAL | | | |
| INLET: Is there excessive trash/debris/sediment accumulation where stormwater enters the basin? | There is no accumulation of trash, debris or sediment in the surrounding area that could be washed onto the system during a storm. Continue routine maintenance. | There is minor accumulation of trash, debris or sediment in the surrounding area that could be washed onto the system or is hindering stormwater from flowing onto the system. The accumulation should be removed. | The trash, debris or sediment in the surrounding area is significant and could be washed onto the system and/or is not allowing stormwater to flow onto the system. The accumulation must be removed immediately. |
| PERVIOUS PAVEMENT: Are there signs of clogging? Clogging could be caused by small pieces of debris and/or sediment that are on the surface or in the subsurface of the system. | There is no evidence of clogging. | There is evidence on the surface of the system that suggest the system is clogged such as standing water or sediment deposits in a relatively small area of the system. | There is standing water and/or sediment deposits over a large portion of the system. The system needs to be returned to its original design capacity and a maintenance plan needs to be implemented to prevent future degradation. |
| OUTLET: Is the overflow damaged or clogged? The overflow could be a grate inlet or curb cut at the downstream end of the system. | There is no damage or clogging of the overflow system. | There is minor damage or clogging of the overflow system but is not significantly impacting functionality of the system. Debris causing clogging should be removed and condition of the damage should be monitored if not fixed immediately | There is significant damage or clogging of the overflow that is affecting the functionality of the system and/or creating a safety hazard. The debris causing the clogging needs to be removed and/or the damage needs to be repaired immediately. |
| EROSION | | | |
| INLET: Is there evidence of erosion or bare soil in areas surrounding the pervious pavement? | The surrounding area is stable with grass and there are no sources of sediment that could be shedding onto the pavement system. | There are minor bare areas of soil around the pervious pavement system that are acting as a source of sediment to be washed onto the system during a storm. The conditions of these bare areas should be monitored. If a root cause for these bare spots (i.e. foot traffic, high stormwater velocities, or lack of grass growth) can be determined, action should be taken to address the problem to prevent degradation of the system. | The area around the pervious pavement system is bare and is acting as a source of sediment to be washed onto the system during a storm. A root cause for these bare spots (i.e. foot traffic, high stormwater velocities, or lack of grass growth) needs to be determined and action needs to be taken to prevent further degradation of the system. |

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| <p>OUTLET: Is there evidence of erosion around the outlet?</p> | <p>There is no erosion around the outlet structure.</p> | <p>Rills or minor erosion are present around the outlet structure.</p> | <p>Erosion around the outlet structure is significant (deeper than 6 inches). It may be causing a structural failure or creating a safety hazard.</p> |
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STRUCTURAL MAINTENANCE

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| <p>PERVIOUS PAVERS ONLY: Are gravel in the joints missing or sparse?</p> | <p>There is adequate gravel within the joints of the pavers.</p> | <p>There are a few small areas that are missing gravel between the joints. The system should be monitored for further loss of gravel. Replenishment of gravel is suggested.</p> | <p>There is a significant amount of gravel missing between the joints which could be causing a safety hazard or affecting the efficacy of the system. The gravel needs to be replaced</p> |
| <p>PERVIOUS PAVEMENT: What is the structural condition of the pavement? (i.e. spalling, cracking, raveling, settling)</p> | <p>There is no evidence of structural failure on the surface of the system.</p> | <p>There is evidence of minor structural failure such as spalling, cracking, raveling and/or settling on the surface of the system. It is not affecting the functionality or creating a safety hazard. The condition should be monitored closely for further evidence of failure.</p> | <p>The system has failed due to major spalling, cracking, raveling and/or settling. The failure could be causing a safety hazard and/or has decreased the functionality of the system and it needs to be addressed.</p> |
| <p>UNDERDRAIN: Is the underdrain system clogged?</p> | <p>The underdrain system is free of sediment and is not clogged. The system should be draining as designed.</p> | <p>There is a minor accumulation of sediment in the underdrain system. The accumulation should be removed and condition of the system should be monitored.</p> | <p>The underdrain is clogged with sediment which is not allowing the system to drain as designed. The accumulation needs to be removed to restore functionality.</p> |

Inspection Comments:

This inspection form and inspection photos* should be turned in to Sarah Davis at sedavis@springfieldmo.gov or 290 E Central St Springfield, MO 65802

*A minimum of three photos should be taken of the following: inlet(s), the entirety of the SCM and the outlet structure regardless of condition. Areas rated as 1 or 2 should have additional photo documentation.