

*Application to Perform work on (or Adjacent to)
the Pedestrian Pathway System*

Cascade Charter Township
2865 Thornhills Avenue SE
Grand Rapids, Michigan 49546
Telephone: (616) 949-1500
Facsimile: (616) 949-3918

Application to be submitted to the Cascade Charter Township Building Inspection Department

1. Permittee/Responsible Party for the Work Being Undertaken:

Name: _____
Address: (Street) _____
(City) _____
(State) _____
(Telephone) _____
(Facsimile) _____

2. Owner (If different than Permittee/Responsible Party):

Name: _____
Address: (Street) _____
(City) _____
(State) _____
(Telephone) _____
(Facsimile) _____

3. Location of Project Site:

Street Address: _____

4. Estimated Start & Completion Dates for the Project:

Start Date: _____ Completion Date: _____

5. Description of Proposed Work:

(turn over please)

6. **Proposed Bituminous Mix Contractor or Subcontractor:**

7. **Proposed bituminous Mix Designation To Be Used For Repair:**

8. **Bond, Letter of Credit or Cash Deposit Amount:**

Amount: \$ _____

I acknowledge that Cascade Charter Township has provided me a copy of the Pathway Restoration Requirements, which were adopted as part of the Cascade Charter Township Pedestrian Pathway system Opening Ordinance. I agree to make the necessary repairs to restore the pedestrian pathway to the specifications contained in this ordinance and its restoration requirements to the fullest extent possible.

Signature of Permittee or Responsible Party:

Signature: _____ Date: _____

Signature of Owner:

Signature: _____ Date: _____

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**How to Calculate Bond, Letter of Credit or Cash Deposit
Covering the Required Restoration Work**

- The permittee, responsible party or owner shall post a bond, letter of credit or cash deposit, as determined by Cascade Charter Township prior to performing any work as a performance guarantee.
- The amount of the guarantee shall be calculated as follows:
Multiply \$20 by the lineal footage of the required repair area, as measured parallel to the pathway.
- The performance guarantee may be held by the Township for a period of one year. The township will perform a one-year maintenance inspection of the repair site(s). Should in the opinion of the Township, any repaired area be determined to be defective or otherwise unacceptable and require replacement, the permittee shall have the replacement work completed within 3 weeks of written notification by the township. Should the permittee fail to replace the defective work, the Township may utilize the performance guarantee to have the work completed. Should the cost for such work total more than the guarantee amount; permittee shall reimburse the Township the difference in cost.

Cascade Charter Township
Pathway Restoration Requirements

Submittals:

The following information must be submitted to the Township prior to performing any work which may cause damage to or requires the removal of any portion of a paved pathway or surrounding landscaping.

1. A drawing indicating the location and nature of the proposed work.
2. The start and completion dates for the proposed work.
3. Name, telephone, and facsimile number of the person responsible for the work.
4. Proposed bituminous mix designation to be used for bituminous repair.
5. A bond, letter of credit, or cash deposit covering the restoration work required.

Reconstruction:

The disturbed areas must be restored within 30 days of initial disturbance. If the required repair work is not performed within the 30 day period, the Township may contract this work with an agent of their choosing. The cost for said repair work and administration shall be the responsibility of the entity responsible for the original disturbance.

Disturbances must be restored in accordance with the following:

1. Subbase: -Native material may be placed back in the trench only if it is granular material. All clay and organic material must be removed.
-Any removed material must be replaced with MDOT Class II sand.
-Subbase must be compacted to minimum of 95% maximum density. -
Provide the Township with a copy of the density testing report.
2. Base: -Base course must be 6-inches of crushed concrete meeting MDOT 22A gradation requirements. Material must be free from all dirt, brick, or other foreign materials.
-Base course must be compacted to minimum of 95% maximum density.
Provide the Township with a copy of the density testing report.
3. Pavement: -Paving must be 2-inches of hot-mix, bituminous mixture. No cold patching mixtures will be allowed.
-Mixture must be either MDOT 13A or 1100-20A.
-Replacement sections longer than 40 feet (as measured parallel with the pathway) must be paved with a self propelled paver and compacted using a static, steel wheeled roller. Sections shorter than 40 feet may be placed with a truck mounted spreader box and compacted using a static, steel wheeled roller. Sections shorter than 10 feet may be placed by hand and compacted using a hand roller and mechanical plate compactor.
-Pavement must be compacted to a minimum of 95% maximum mix design density. Provide the Township with a copy of the density testing report.

-All pavement edges must be sawcut, perpendicular to the pathway prior to paving. No irregular or non-perpendicular joints shall be made without Township approval.

4. Retaining Walls & Timber Frame Pathways:
 - Any surface work within 15 horizontal feet or any excavation work within a 1:3 influence zone of either a modular block retaining wall or a timber frame pathway may be subject to an extended review. The Township may require detailed protection and restoration measures for this work.

5. Grass, Lawn, & Landscaped Areas:
 - Restore to original grade, hydromulch or seed with the following mixture:
 - Seed at a rate of 1 lb. Per 40' x10' area:
 - 30% Perennial Ryegrass
 - 30% Kentucky Bluegrass
 - 40% Creeping Red Fescue
 - Fertilize at a rate of 2.4 lbs. Per 40' x10' area:
 - 4-1-2 ratio of nitrogen, phosphorus, and potash
 - Place straw mulch blanket (North American Green S75 or equal) and secure using metal staples in accordance with manufacturers recommendations.
 - In lieu of hydromulching or seeding, permittee may place sod.

Inspection: The Permittee shall notify the Township of any completed restoration work within 5 working days of completing the work and submit the required material and testing certifications. The Township shall inspect the work and will notify the permittee within 10 working days, after receipt of the required submittals, as to the acceptability of the completed work.

Guarantee: The permittee shall post a letter of credit or cash deposit, as determined by the township, prior to performing any work as a performance guarantee. The guarantee amount shall be calculated as follows:

Multiply \$20 by the lineal footage of the required repair area, as measured parallel with the pathway.

The performance guarantee may be held by the Township for a period of one year. The Township will perform a one-year maintenance inspection of the repaired site(s). Should, in the opinion of the Township, any repaired area be determined to be defective or otherwise unacceptable and require replacement, the permittee shall have the replacement work completed within 3 weeks of written notification by the Township. Should the permittee fail to replace the defective work, the Township may utilize the performance guarantee to have the work completed. Should the cost for such work total more than the guarantee amount, permittee shall reimburse the Township the difference in cost.

Enforcement: Should the Township determine that pathway disruption has occurred other than the permitted activity or that disruption has occurred without a permit, the

Township may require a \$1,000 cash performance bond for any subsequent pathways permits requested by an applicant.