September 13, 2021

TRAVERSE CITY PARKING SERVICES – OLD TOWN PAVER RESTORATION

BACKGROUND & HISTORY

The Traverse City Parking Services is seeking proposals for paver restoration at the Old Town Parking Garage located at 125 East Eighth Street in downtown Traverse City.

The Old Town Parking Garage was built in 2010. The driveway off of Eighth Street includes permeable pavers with underground snowmelt. Over the years, the pavers have settled and developed ruts from a consistent entry and exit pattern of parkers accessing the building. The purpose of this project will be to reset and level all permeable pavers.

PROPOSAL TIMELINE

Bids due Tuesday, November 2, 2021 at 10:00 AM.

BID FORM SUBMISSION.

The original bid form shall be signed and submitted in a sealed envelope or package to the City Engineer’s Office no later than 10:00 a.m. on Tuesday, November 2, 2021. Timely submission of the bid form is the responsibility of the bidder. Bids received after the specified time shall be rejected and returned to the bidder unopened. The envelope or package shall be marked TRAVERSE CITY PARKING SERVICES – OLD TOWN PAVER RESTORATION.

Alternatively, E-Mailed bids will be accepted. Please indicate in the subject line of your e-mail that you are submitting a “Sealed Bid” together with the project description, “TRAVERSE CITY PARKING SERVICES – OLD TOWN PAVER RESTORATION” and submit your e-mailed bid to kaldrich@traversecitymi.gov by 10:00 a.m. on Tuesday, November 2, 2021.

PRE-BID MEETING

A pre-bid meeting has not been set for this project. Requests to review the site or perform a walk-through should be scheduled or site inquiries should be sent to Gerald Moeggenberg, Facilities Supervisor, gerald@downtowntc.com.

RFP INQUIRIES

All submitted questions will be available in writing with response to each bidding Vendor within two business days. To ensure you are included in responses, you will need to email the Transportation Mobility Director, Nicole VanNess and Kaitlyn Aldrich.
(Nicole@downtowntc.com and kaldrich@traversecitymi.gov) with your intent to bid. Only Vendors expressing their intent to bid will be provided with responses to submitted questions.

**RESPONDENT QUALIFICATIONS**

1. Vendor and Subcontractors shall have at least two (2) years of experience with project experience.
2. Vendor must have prior experience installing pavers with snowmelt systems.
3. Vendor must be licensed in the State of Michigan.

**SUBCONTRACTOR**

Vendor shall disclose proposed use of contracted labor. If contracted labor is used, the Vendor shall detail the subcontractor’s qualifications and work that is being performed.

**SCOPE**

Vendor, hereinafter referred to as Vendor or Respondent, is to remove pavers, provide material to level the surface and reinstall pavers. Vendor is required to take precaution and not damage or destroy snowmelt that is below the pavers. See Attachment C and Attachment D. The snowmelt system is NOT encased in any protective material or concrete. Damage to the snowmelt system will be the responsibility of the Vendor to replace.

City, hereinafter referred to as the Owner, shall provide replacement pavers to be used to replace any pavers that are damaged. The City desires substantial completion of the project no later than May 31, 2022. The Vendor shall communicate the project timeline to the City and whether or not the completion date can be met. If the project timeline is not feasible, the City will not permit any work activities to occur between June 26-July 16, 2022.

**PERSONNEL**

Vendor shall provide the City a listing of all personnel assigned to this engagement within ten days of the execution of the agreement. Vendor shall not change personnel without the approval of the City.

Personnel employed by Vendor shall be qualified for this type of work and hold any required certifications and/or licenses in effect. Vendor shall staff the project phases with the necessary trained and experienced personnel to accomplish the work in an effective and timely manner.
SITE REQUIREMENTS

Refer to Attachment A Section C-D 7-8. This area is the driveway of the Old Town Parking Garage at 125 East Eighth Street. This is the only access point to levels 2-4.

REQUIREMENTS

1. Vendor shall provide a schedule and timeline of activities so the City can notify parkers of project details.
2. Vendor shall attempt to keep ½ of the total surface area open to allow for cars to enter and exit the facility while the project is under construction.
3. Vendor shall provide all traffic devices to sign for detours and closures.
4. Project Requirements:
   a. Vendor to provide all labor and equipment to remove existing brick pavers.
   b. Vendor to provide and install all crushed stone or equivalent material used to level the surface beneath the pavers.
   c. Vendor to provide all labor and equipment compact gravel and re-install existing brick pavers.
   d. City to provide brick pavers used to replace damaged pavers. The City has pavers from the original project that have been stored. Paver details can be found in Attachment B.

SERVICES AND INSTALLATION

Proposer shall address in its response all pertinent elements and methodologies of installation including, but not limited to, the following:

1. Pre-planning
2. Subcontracted work
3. Sourcing/product acquisition
4. Installation

WARRANTIES AND DAMAGES

The successful Proposer will be required to provide direct warranties of merchantability, fitness for the City’s particular purposes, and non-infringement, and to transfer all manufacturer’s warranties to the City. Damages for any cause of action, including breach of contract or warranty, otherwise available under Michigan law shall not be limited or restricted.

PRICING

Vendor’s price for the services required herein includes, but is not limited to providing replacement stone, equipment rental/use, and labor.
ATTACHMENT A – Old Town Deck C-4.0 Site
ATTACHMENT B – (63-1) Brick Pavers
ATTACHMENT C – M1.1
ATTACHMENT D – P1030640
ATTACHMENT E – P1030655
## BID RESPONSE SHEET

You must complete and include this sheet with your proposal.

### INSTALLATION

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>What material will be used to level the paver surface?</td>
</tr>
<tr>
<td>2</td>
<td>What is the process to remove the existing pavers in order to not damage or destroy the snowmelt system?</td>
</tr>
<tr>
<td>3</td>
<td>Provide a sample schedule that outlines the number of hours and days that are required to complete the project?</td>
</tr>
<tr>
<td>4</td>
<td>Is it possible to perform the work in two phases in order to allow parkers to use the facility while the work is being done?</td>
</tr>
</tbody>
</table>
Bidder - Please complete and return

BID SUMMARY

TITLE: TRAVERSE CITY PARKING SERVICES – OLD TOWN PAVERS

DUE DATE: TUESDAY, NOVEMBER 2, 2021 @ 10:00 AM

Having carefully examined the attached specifications and any other applicable information, the undersigned proposes to furnish all items necessary for and reasonably incidental to the proper completion of this bid. Bidder submits this bid and agrees to meet or exceed all requirements and specifications unless otherwise indicated in writing and attached hereto.

Bidder certifies that as of the date of this bid the Company or he/she is not in arrears to the City of Traverse City for debt or contract and is in no way a defaulter as provided in Section 152, Chapter XVI of the Charter of the City of Traverse City.

Bidder understands and agrees, if selected as the successful Bidder, to accept a Purchase Order / Service Order / Contract and to provide proof of the required insurance.

Bidder submits this bid and agrees to meet or exceed all the City of Traverse city’s requirements and specifications unless otherwise indicated in writing and attached hereto. Bidder shall comply with all applicable federal, state, local and building codes, laws, rules and regulations and obtain any required permits for this work.

The Bidder certifies that it is in compliance with the City’s Nondiscrimination Policy as set forth in Administrative Order No. 47 and Chapter 605 of the City’s Codified Ordinances.

The Bidder certifies that none of the following circumstances have occurred with respect to the Bidder, an officer of the Bidder, or an owner of a 25% or more share in the Bidder's business, within 3 years prior to the bid:

(a) conviction of a criminal offense incident to the application for or performance of a contract;

(b) conviction of embezzlement, theft, forgery, bribery, falsification or destruction of records, receiving stolen property, or any other offense which currently, seriously and directly reflects on the Bidder's business integrity;

(c) conviction under state or federal antitrust statutes;

(d) attempting to influence a public employee to breach ethical conduct standards; or
(e) conviction of a criminal offense or other violation of other state, local, or federal law, as determined by a court of competent jurisdiction or an administrative proceeding, which in the opinion of the City indicates that the bidder is unable to perform responsibility or which reflects a lack of integrity that could negatively impact or reflect upon the City of Traverse City, including but not limited to, any of the following offenses or violations of:

i. The Natural Resources and Environmental Protection Act.


iv. A violation of federal, local, or state civil rights, equal rights, or non-discrimination laws, rules, or regulations.

v. Repeated or flagrant violations of laws related to the payment of wages and fringe benefits.

(f) the loss of a license or the right to do business or practice a profession, the loss or suspension of which indicates dishonesty, a lack of integrity, or a failure or refusal to perform in accordance with the ethical standards of the business or profession in question.

Bidder understands that the City reserves the right to accept any or all bids in whole or part and to waive irregularities in any bid in the best interest of the City. The bid will be evaluated and awarded on the basis of the best value to the City. The criteria used by the City may include, but will not be limited to: ability, qualifications, timeframe, experience, price, type and amount of equipment, accessories, options, insurance, permits, licenses, other pertinent factors and overall capability to meet the needs of the City. The City is sales tax exempt – Government.

Bidder agrees that the bid may not be withdrawn for a period of sixty (60) days from the actual date of the opening of the bid.
PRICING SUMMARY - YOU MUST SUBMIT PRICING IN THE TABLE BELOW OR ATTACH PRICING SHEET THAT INCLUDES ITEMS LISTED IN THE TABLE BELOW.

<table>
<thead>
<tr>
<th>Installation Costs (pricing should include per linear square foot for change orders)</th>
<th>OLD TOWN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material Costs (provide costs of each item proposed)</td>
<td>OLD TOWN</td>
</tr>
<tr>
<td>List other costs not included in table:</td>
<td>OLD TOWN</td>
</tr>
<tr>
<td>Total</td>
<td>OLD TOWN</td>
</tr>
</tbody>
</table>

Submitted by:

Signature

Name and Title (Print)

Phone    Fax

Company Name

Company Address

City, State, Zip

Sole proprietorship/partnership/corporation

If corporation, state of corporation
REFERENCES: (include name of organization, contact person, and daytime phone number).

1. _____________________________________________________________ Telephone: __________________________
   Contact Person: _____________________________________________

2. _____________________________________________________________ Telephone: __________________________
   Contact Person: _____________________________________________

3. _____________________________________________________________ Telephone: __________________________
   Contact Person: _____________________________________________

SUBCONTRACTORS: (include name of organization, contact person, daytime phone number, and services to be performed).

1. _____________________________________________________________ Telephone: __________________________
   Services to be Performed: __________________________________
   Contact Person: _____________________________________________

2. _____________________________________________________________ Telephone: __________________________
   Services to be Performed: __________________________________
   Contact Person: _____________________________________________

3. _____________________________________________________________ Telephone: __________________________
   Services to be Performed: __________________________________
   Contact Person: _____________________________________________
Attachment B
26877 Northwestern Hwy
Suite 208
Southfield, MI 48033

ATTN: Matthew J. Jobin, AIA

WE ARE SENDING:
☐ Shop Drawings
☐ Letter
☐ Prints
☐ Change Order
☐ Plans
☐ Samples
☐ Specifications
☒ Other: Made from Submittal

SUBMITTED FOR:
☒ Approval
☐ Your Use
☐ As Requested
☐ Review and Comment

ACTION TAKEN:
☐ Approved as Submitted
☐ Approved as Noted
☐ Returned After Loan
☐ Resubmit
☐ Submit
☐ Returned
☐ Returned for Corrections
☐ Due Date:

SENT VIA: E-MAIL

ITEM NO. DESCRIPTION
Dwg: Title: Paver Style (Uni Eco-Stone) Desc: Paver Style (Uni Eco-Stone)
0 4/19/2010 32 14 13-06

Dwg: Title: Paver Brick Report Desc: Paver Brick Report
0 4/19/2010 32 14 13-05

REV. NO. DOCUMENT STATUS
001 New Item
001 New Item

Remarks:

Reviewed- No exceptions taken
R. Kendra CWS 4-28-10

CC:

Signed:
Tim DeKruyter
672 Woodbridge Suite 100
Detroit, MI 48226
P: 313-567-0060 F: 313-567-7713
### Uni Eco-Stone®

**Stones & Bundling**

<table>
<thead>
<tr>
<th>Unit Thickness</th>
<th>Sq/Ft/Bundle</th>
<th>Sq/Ft/Section</th>
<th>Sq/Ft/Stone</th>
<th>Sections/Bundle</th>
<th>LnFt/SqFt (Soldier)</th>
<th>LnFt/Bdl (Soldier)</th>
<th>Units/SqFt</th>
<th>Lbs/Bndle</th>
<th>Lbs/Section</th>
<th>Units/Bundle</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 3/8 (9cm)</td>
<td>67</td>
<td>-</td>
<td>0.273</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>3.657</td>
<td>2501</td>
<td>-</td>
<td>245</td>
</tr>
</tbody>
</table>

Colors: Special Order from Standard Colors - Lead Time Required
Notes: This product is optimized for mechanical installation. Sold in full bundles only. All measurements are nominal.

### Unigranite®

**Select**

- **BLACK**
- **ROSE**
- **SLATE**

**Stones & Bundling**

<table>
<thead>
<tr>
<th>Unit Thickness</th>
<th>LnFt/SqFt (Soldier)</th>
<th>LnFt/Bdl (Soldier)</th>
<th>Units/SqFt</th>
<th>Lbs/Bndle</th>
<th>Lbs/Section</th>
<th>Units/Bundle</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 3/4 (7cm)</td>
<td>110.7*</td>
<td>0.11*</td>
<td>8</td>
<td>42*</td>
<td>336*</td>
<td>433</td>
</tr>
</tbody>
</table>

Notes: *After splitting. All measurements are nominal. Dimensions may vary up to 1/4" due to the unique manufacturing method.
# Paver Brick Report

**Project:** Unilock of Michigan  
**Location:** Brighton, MI  
**Architect/Engineer:**  
**Structure:**  
**Producer:**  
**Type Unit:** 8 cm Holland - Te  
**Sample At:** Plant  
**Design Strength:**  

**Contractor:** Unilock Michigan, Inc.  
**Portion:**  
**Plant:** Brighton, MI  
**Size:** 7.15 x 7.9 x 3.9  
**Submitted By:** Ray Tovar  
**PSI:**

## Compressive Strength Results

<table>
<thead>
<tr>
<th>Unit Numbers</th>
<th>Date Tested</th>
<th>Weight (Pounds)</th>
<th>Height (Inches)</th>
<th>Area Sq.In.</th>
<th>Total Load</th>
<th>PSI</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>09/19/07</td>
<td>7.53</td>
<td>3.09</td>
<td>30.81</td>
<td>273,510</td>
<td>8880</td>
</tr>
<tr>
<td>2</td>
<td>09/19/07</td>
<td>7.63</td>
<td>3.14</td>
<td>30.81</td>
<td>276,410</td>
<td>8970</td>
</tr>
<tr>
<td>3</td>
<td>09/19/07</td>
<td>7.67</td>
<td>3.08</td>
<td>30.81</td>
<td>290,320</td>
<td>9420</td>
</tr>
<tr>
<td>4</td>
<td>09/19/07</td>
<td>7.91</td>
<td>3.17</td>
<td>30.81</td>
<td>281,860</td>
<td>9150</td>
</tr>
<tr>
<td>5</td>
<td>09/19/07</td>
<td>7.67</td>
<td>3.13</td>
<td>30.81</td>
<td>267,210</td>
<td>8670</td>
</tr>
</tbody>
</table>

**Average**

## Absorption

<table>
<thead>
<tr>
<th>Unit Numbers</th>
<th>Age (Days)</th>
<th>Suspended WT (LBS)</th>
<th>S.S.D. WT (LBS)</th>
<th>Oven Dry WT (LBS)</th>
<th>Density PCF</th>
<th>Absorption %</th>
</tr>
</thead>
<tbody>
<tr>
<td>1B</td>
<td>28+</td>
<td>4.37</td>
<td>7.76</td>
<td>7.50</td>
<td>138.1</td>
<td>3.5</td>
</tr>
<tr>
<td>2B</td>
<td>28+</td>
<td>4.54</td>
<td>7.66</td>
<td>7.34</td>
<td>138.9</td>
<td>4.4</td>
</tr>
<tr>
<td>3B</td>
<td>28+</td>
<td>4.55</td>
<td>7.95</td>
<td>7.66</td>
<td>140.6</td>
<td>3.8</td>
</tr>
<tr>
<td>4B</td>
<td>28+</td>
<td>4.41</td>
<td>7.75</td>
<td>7.46</td>
<td>139.4</td>
<td>3.9</td>
</tr>
<tr>
<td>5B</td>
<td>28+</td>
<td>4.40</td>
<td>7.70</td>
<td>7.42</td>
<td>140.3</td>
<td>5.8</td>
</tr>
</tbody>
</table>

**Average**

## Remarks

- Compressive strength based on gross area
- Test specimens capped with Hydrostone
- Mold No. 96017

**Reported By:** [Signature]  
**Reviewed By:** [Signature]
**Paver Brick Report**

**PROJECT:** UNILOCK OF MICHIGAN  
**LOCATION:** BRIGHTON, MI  
**ARCHITECT/ENGINEER:**  
**STRUCTURE:**  
**PRODUCER:**  
**TYPE UNIT:** 8 cm Holland - Tc  
**SAMPLE AT:** Plant  
**DESIGN STRENGTH:**  

---

**COMPRESSION STRENGTH RESULTS**

<table>
<thead>
<tr>
<th>UNIT NUMBERS</th>
<th>DATE TESTED</th>
<th>WEIGHT (Pounds)</th>
<th>HEIGHT (Inches)</th>
<th>AREA SQ.IN.</th>
<th>TOTAL LOAD</th>
<th>PSI</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>09/19/07</td>
<td>7.50</td>
<td>3.11</td>
<td>30.81</td>
<td>273,460</td>
<td>8880</td>
</tr>
<tr>
<td>7</td>
<td>09/19/07</td>
<td>7.66</td>
<td>3.12</td>
<td>30.81</td>
<td>298,580</td>
<td>9690</td>
</tr>
</tbody>
</table>

**AVERAGE:** 9090

---

**ABSORPTION**

<table>
<thead>
<tr>
<th>UNIT NUMBERS</th>
<th>AGE (DAYS)</th>
<th>SUSPENDED WT (LBS)</th>
<th>S.S.D. WT (LBS)</th>
<th>OVEN DRY WT (LBS)</th>
<th>DENSITY PCF</th>
<th>ABSORPTION %</th>
</tr>
</thead>
<tbody>
<tr>
<td>6B</td>
<td>28 -</td>
<td>4.37</td>
<td>7.71</td>
<td>7.37</td>
<td>137.70</td>
<td>4.6</td>
</tr>
<tr>
<td>7B</td>
<td>28 -</td>
<td>4.42</td>
<td>7.77</td>
<td>7.47</td>
<td>139.1</td>
<td>4.0</td>
</tr>
</tbody>
</table>

**AVERAGE:** 4.0

---

**COMPRESSION STRENGTH BASED ON GROSS AREA**

**TEST SPECIMENS CAPPED WITH:** Hydrostone

**REMARKS:** Mold #86017

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**REPORTED BY:** STEPHEN T. R  
**REVIEWED BY:** GARY A. REITLING
Attachment C
TRAVERSE CITY, MICHIGAN
TOWN PARKING DECK

OLD (REFERENCE MPC SECTION 1106 & TABLE 1106.3)
BASED ON 2.25 IN PER HOUR MAX RAINFALL RATE

SIZE OF HORIZONTAL ROOF DRAIN PER TABLE 1106.3:
PROJECTED HORIZONTAL ROOF AREA: SQ FT
VERTICAL WALL ADDITIONAL AREA: ______
TOTAL PROJECTED AREA: SQ FT

FROM SIZE TABLE 1106.2, USE: 6" DIA PIPE (7,947 SQ.FT.)

(REFERENCE MPC SECTION 1106 & TABLE 1106.2)
BASED ON 2.25 IN PER HOUR MAX RAINFALL RATE

SIZE OF VERTICAL CONDUCTOR PER TABLE 1106.2:
PROJECTED HORIZONTAL ROOF AREA: SQ FT
VERTICAL WALL ADDITIONAL AREA: ______
TOTAL PROJECTED AREA: SQ FT

FROM SIZE TABLE 1106.2, USE: 4" DIA PIPE (7,947 SQ.FT.)

DO NOT PRE-CUT PIPE. ALL HEATING CIRCUIITS MUST BE CONTINUOUS WITHOUT SPLICES.

GENERAL MECHANICAL NOTES:

Piping Material
Hanger Spacing Schedule
Max. Horizontal Spacing
Max. Vertical Spacing

NOTES:

REF IPC 308

DO NOT PRE-CUT PIPE. ALL HEATING CIRCUIITS MUST BE CONTINUOUS WITHOUT SPLICES.

3 A-1.2

ALTERNATE "1"

ALTERNATE "1a"

ALTERNATE "1"

ALTERNATE "1a"

ALTERNATE "4"
Attachment D
Attachment E