

# REQUEST FOR BIDS

## DPS PARKING LOT PARTIAL REPLACEMENT

---

March 2024



Department of Public Services

1015 S Lincoln Avenue

Three Rivers, MI 49093

(269) 273-1845

## **Table of Contents**

Bidding Information .....	3
Performance Bids.....	3
I. Instructions .....	3
II. Conditions Applicable to Bids.....	3
III. General.....	4
Bid Form.....	5

# Bidding Information

## Performance Bids

The City of Three Rivers is committed to the concept of performance bids. All vendors are encouraged to submit bids which conform to the stated specifications, as well as, suggest deviations from the specifications, which in the vendor's opinion would be beneficial to the City in terms of price and performance. The City reserves the right to accept or reject any bid under these terms.

### *I. Instructions*

- A. Bids must be typewritten or clearly printed in ink and signed by a duly-authorized representative of the firm submitting the quote.
- B. Bids must be submitted in sealed envelopes, clearly marked on the outside, "**Bids for DPS Parking Lot Replacement**".
- C. Bids will be received by the Office of the City Clerk, City Hall, 333 West Michigan Avenue, Three Rivers, Michigan, 49093, until **2:00 p.m. local time, Thursday, March 28, 2024**. All bids will be date stamped and time marked when received.
- D. Faxed or emailed bids shall not be accepted.
- E. If you received this document from our website, please e-mail your contact information to [aroth@threeriversmi.org](mailto:aroth@threeriversmi.org) so we can place you on the bidders list for addenda.

### *II. Conditions Applicable to Bids*

- A. Applicable Laws: The Ordinances and Charter of the City and laws of the State of Michigan concerning competitive bidding, contracts and purchases will be employed.
- B. Taxes: The City of Three Rivers is generally exempt from Federal Excise and Michigan State Sales Tax. Prices should not include tax.
- C. If the bidder elects to deviate from the specifications stated, all exceptions or other changes must be clearly noted.
- D. The City reserves the right to reject any and all bids, waive informalities or defects in bids, or accept such bids as it shall deem to be in the best interest of the City of Three Rivers.
- E. The City does not discriminate on the basis of race, color, national origin, sex, religion, age or disability in employment or the provision of services.
- F. The Contractor shall provide proof of Liability and Workman's Compensation Insurance and a completed W-9 form prior to award.
- G. The successful bidder shall provide the City with a copy of their liability insurance policy in the amount of \$2,000,000 (Two million Dollars) which names the City of Three Rivers as second insured.
- H. Anticipated award is at the **April 16, 2024** Commission meeting. Final completion of this project shall be no later than **June 7, 2024**.

### *III. General*

#### *References*

All materials, equipment and traffic control measures shall conform to the current Michigan Department of Transportation (MDOT) “Standard Specifications for Construction” and MDOT “Manual of Uniform Traffic Control Devices” as well as the latest edition of the “American Society of Testing Materials” (ASTM).

#### *Scope*

Remove existing asphalt pavement in two sections of the DPS parking lot as shown on the enclosed map. Existing asphalt thickness varies from 4”-6”. Once asphalt is removed, remove gravel base to make adequate room for 6-inches of aggregate base and 8-inches of unreinforced concrete.

#### *Measurement and Payment*

The measurements which shall be used for payment are listed on the included bid form. Drawings are attached for reference.

#### *Traffic Control*

The Contractor shall not allow traffic on the pavement until it is sufficiently cured to prevent damage. The Contractor shall repair any damage to the pavement at no expense to the City of Three Rivers. The Contractor shall work closely with the City to coordinate all work in the parking lot.

#### *Timing Limitations*

The **June 7, 2024** completion date shall be met or exceeded (completed before that date).

## Bid Form

The undersigned having familiarized (himself/themselves) with the local conditions affecting the cost of the work and the Contract Documents hereby proposes to perform all work, furnish all labor, materials, necessary tools, equipment, utility and transportation services necessary in accordance with the specifications as prepared by the Department of Public Services, City of Three Rivers, Michigan, for, including Addenda No. \_\_\_\_\_ issued thereto, the following unit prices:

COMPANY \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP CODE \_\_\_\_\_

SIGNATURE \_\_\_\_\_ TITLE \_\_\_\_\_

NAME \_\_\_\_\_ DATE \_\_\_\_\_

EMAIL \_\_\_\_\_ TELEPHONE \_\_\_\_\_

### Partial DPS Parking Lot Repaving

Item No.	Item Description	Quantity	Unit	Unit Price	Total Price
1	Mobilization	1	LS		
2	Traffic Control	1	LS		
3	Asphalt and aggregate removal	690	SY		
4	6" aggregate installation	690	SY		
5	8" concrete installation	690	SY		
6	Topsoil, seed and mulch adjacent to new concrete	1	LS		
Total Bid					




Produced by: City of Three Rivers, MI  
Department of Public Services - GIS  
Aerial Image Date: April 2023  
Date Printed: January 2024

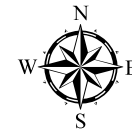


## DPS Parking Lot Replacement of areas A and B

LEGEND :

 Replace     Lot Line

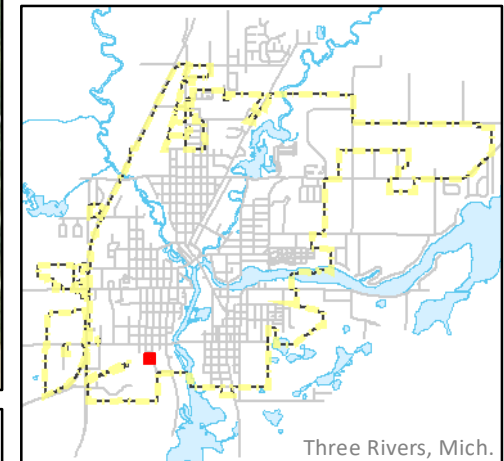
 Road pavement edge



0                      40                      80  
ft.

1 : 500

This map is provided by the City of Three Rivers (the "City"). The person or entity receiving this map (the "User") agrees: (1) that there are no warranties of any kind; (2) that use of this map is at the Users sole risk; (3) that the City shall not be liable for any damages to User or any third party; and (4) this map may not be used by any third party without the specific written consent of the City.



Three Rivers, Mich.

Disclaimer: Property boundaries mapped by the City of Three Rivers are not legal boundaries, and shall not be taken as such. To obtain an exact, legal boundary location, an official survey from a certified surveyor needs to be completed.

# Specifications for Concrete Pavement

## PART 1 GENERAL

### 1.1 SCOPE

- A. This Section includes preparation of the base and subgrade construction of pavements and base courses, adjustment of manhole castings, and valve boxes to conform to new pavement courses, and other work and materials incidental to the construction of pavements.
- B. This Section includes restoration of permanent pavement markings as they exist at the time of bidding unless otherwise specified or directed.

### 1.2 SUBMITTALS

#### A. Submittals shall include:

- 1. Information for the Record :
  - a. Delivery tickets from the aggregate suppliers shall be given to the City. Tickets shall include (as a minimum) name of source, date, type of material, and weight.
  - b. Test results and certificates.

## PART 2 PRODUCTS

### 2.1 AGGREGATE BASE

- A. The aggregate shall meet the requirements of MDOT Table 902-1, 22A.

### 2.2 CONCRETE (CAST-IN-PLACE)

- A. All concrete used shall be Class "A" as specified below

	Class A
28-Day Compressive Strength (psi)	4000
Maximum Water/Cementitious Ratio:	0.45
Minimum Cementitious Content (Lbs/CY)	500
Maximum Cementitious Content (Lbs/CY)	800
Slump (Inches)	2-4

- B. Other materials required for placing concrete shall be as follows:
1. Joint Sealer:
    - a. Hot Applied Sealer - MDOT Section 914.04A.
    - b. Backer Rod - MDOT Section 914.048.
  2. Preformed Elastic Joint Sealer - MDOT Section 914.04C.
  3. Preformed Fiber Joint Filler - MDOT Section 914.03.
  4. Curing Materials :
    - a. Burlap Cloth - AASHTOM 182, Class 2.
    - b. Sheet Materials -ASTM C-171.
    - c. White Membrane Curing Compound - MDOT Section 903.05A.
    - d. Transparent Membrane Curing Compound - MDOT Section 903.05B.

## PART 3 EXECUTION

### 3.1 COORDINATION

- A. Backfill placed under areas receiving concrete slabs, mats, footings, or within the interior of buildings shall be compacted to not less than 100 percent of maximum dry density per ASTM D-698. (Standard Proctor)
- B. Backfill placed around structures where other structures, pipelines, or slabs are to be constructed shall be compacted to not less than 100 percent of maximum dry density per ASTM D-698.
- C. All other backfill, including backfill around and over pipelines, and backfill around structures not covered in Paragraphs A. and B. above, shall be compacted to not less than 95 percent of maximum dry density per ASTM D-698.
- D. The bottom of excavations upon which concrete slabs or structures are to be placed shall be compacted so as to obtain 100 percent maximum dry density per ASTM D-698 in the top 12-inch.
- E. All soil subgrade which will provide bearing support for pavements or curbs, shall be compacted to a width of 6-inch beyond the back of curb and to a depth of 12-inch below the subgrade surface to a density of not less than 100 percent of maximum dry density per ASTM D-698. All fill below the subgrade shall be compacted to not less than 98 percent of maximum dry density.
- F. Subgrade under structures shall be compacted to a depth of 12-inch below subgrade surface to a density of not less than 100 percent of the maximum dry density determined by ASTM D-698.

### 3.2 PAVEMENT INSTALLATION

- A. All construction shall be in conformance with applicable portions of MDOT Specifications, except as otherwise specified or called for herein.

### 3.3 CONCRETE PAVEMENT

- A. Concrete pavement shall be constructed in conformance with applicable portions of MDOT Section 801.
- B. Expansion joint filler 1/2-inch thick shall be installed at intervals of 24-feet maximum. One-inch expansion joint filler shall be installed between the driveway and any fixed structure.

### 3.4 TESTING

- A. Concrete materials and operations shall be tested as the work progresses.
- B. Duties of testing laboratory shall be as follows:



1. Review, check, and test proposed materials for compliance with Specifications before the start of the work.
2. Secure production samples at the plant or stockpiles during the course of work at least once a month, and test for compliance with the specifications.
3. Review and test proposed mixture design when required by Engineer.
4. Randomly sample concrete during construction in accordance with ASTM C172 and perform scheduled tests.
5. Measure and report surface profile of slabs in accordance with ASTM E1155. Surface profile shall be determined for first trowel finish slab and first float finish slab on project and other slabs specified.

C. Test Schedule:

1. Strength:
  - a. One strength test shall be made for each 50 cubic yards, or fraction thereof, of each class of concrete placed on any one day. Frequency of testing shall not provide less than 5 strength tests for each class of concrete.
  - b. Concrete strength test shall consist of three specimens from each sample molded and cured in accordance with the section of ASTM C31, "Curing Specimens for Checking the Adequacy of Mixture Proportions for Strength or as the Basis for Acceptance or Quality Control".
  - c. Specimens shall be tested in accordance with ASTM C39. Two specimens shall be tested at 28 days for acceptance and one shall be tested at 7 days for information. Strength test result shall be average of strengths of 28 day specimens. If one specimen shows evidence of improper molding, handling, or testing, it shall be discarded and remaining specimen shall be considered as strength test result. Should both specimens in a test show any of the above defects, the entire test shall be discarded.
2. Cold Weather Concreting and Form Removal:
  - a. When cold weather concreting procedures apply or when form removal provisions of Section 03100 apply, field cured specimens shall be made to determine when protection procedures may be terminated or when forms may be removed. These field cured specimens shall be in addition to strength tests and shall be made at same time as strength specimens.
  - b. Specimens shall be molded and cured in accordance with the section of ASTM C31, "Curing for Determining Form Removal Time or When a Structure May be Put into

Service" . Contractor shall determine number of specimens required, but number of specimens shall not be less than three.

- c. Specimens shall be tested in accordance with ASTM C39. Age-at-test of specimens shall be selected by Contractor.
3. Slump shall be measured for first batch of each concrete class delivered in morning and afternoon, for each strength test, and whenever consistency of concrete appears to vary. Slump shall be measured in accordance with ASTM C143. In the event that a batch fails to comply with specified requirements , the slump shall be measured on each successive batch until three batches meet the specified requirements.
4. Air content shall be determined for first batch of each concrete class delivered in morning and afternoon, for each strength test, and as required by field representative . Air content shall be measured in accordance with ASTM C231, ASTM C173, or ASTM C138. When concrete is placed by pumping, air content and slump shall be measured before pump and also at pump discharge. In the event that a batch fails to comply with specified requirements, the air content shall be measured on each successive batch until three batches meet the specified requirements.
5. Temperature of concrete sample shall be measured for each strength test.
6. If the measured slump or air content falls outside the specified limits, make additional tests immediately. Test all succeeding trucks for both slump and air until three in succession pass the slump and air tests.

### 3.5 PROTECTION

- A. No heavy construction vehicle shall operate on any pavement after it has been installed.
- B. Traffic shall be prohibited on newly installed pavement until it has cooled sufficiently to avoid marking.
- C. Concrete Pavement s:
  1. Concrete shall be mixed, transport ed, placed, and finished only within the temperature limitations specified in MOOT Sections 601.03F and 602.03T.
  2. The Contractor shall take such precautions as are necessary to protect the concrete from rain.
  3. The Contractor shall protect the concrete from freezing for no less than seven days or until such time that specimen beams have attained a modulus of rupture of at least 600 psi.

## PART 4 SPECIAL PROVISIONS

### 4.1 PAVEMENTSCHEDULE

8. DPS
  - a. Concrete - 8" unreinforced