



**CHESTERFIELD TOWNSHIP, MICHIGAN
REQUEST FOR PROPOSALS**

2021 Chesterfield Fire Department – Fire Station #1 Epoxy Floor Coating Bid Inquiry

RFP-2021-PS-41

ISSUED BY: Cindy Berry, Clerk 47275 Sugarbush Chesterfield, MI 48047 (586) 949-6436

cberry@chesterfieldtwp.org

Date: February 25, 2021

**PROPOSAL DUE DATE:
March 31, 2021
10:30 AM**

**NOTICE
OFFER TO RECEIVE BID FOR THE
CHARTER TOWNSHIP OF CHESTERFIELD**

**TITLE:
Fire Station #1 Epoxy Floor Coating Bid Inquiry No. RFP-2021-PS-41**

OVERVIEW:

It is the purpose of this document to solicit bids for the Chesterfield Fire Department for the purpose of materials and labor to prepare, install and warrant the floor coating in the apparatus bay at Fire Station # 1. The renovation of Fire Station #1 is nearing completion and bids are required to secure final epoxy coating over existing concrete as well as new concrete. Note that both existing and new concrete have been properly sealed.

1.0 SUBMISSION AND RECEIPT OF BIDS

Sealed bids will be received by the Charter Township of Chesterfield at the office of the **Township Clerk, 47275 Sugarbush Road, Chesterfield, Michigan, 48047 no later than 10:30 a.m. EST Wednesday, March 31st, 2021.** The bids will be publicly opened and read aloud immediately following the 10:30 a.m. deadline.

Bids to receive consideration shall be received prior to the specified deadline time. **NO LATE BIDS WILL BE ACCEPTED.** Bids are considered received when in the possession of the Chesterfield Township Clerk's Office. **ALL BIDS MUST BE LABELED: 2021 Chesterfield Fire Department – Fire Station #1 Epoxy Floor Coating Inquiry Bid RFP-2021-PS-41.** Three (3) hard copies of bids must be sealed and include a digital **thumb drive** when submitted. Digital copies must be in PDF or TIFF format. Bids must be typewritten or printed in ink and legibly prepared on **Section 22 PRICING TABLE**. Bids having erasures or corrections thereon may be rejected unless explained or initialed by bidder. Bids shall be mailed or delivered to the Township Clerk's Office before the stated deadline. **The digital copy submitted on the thumb drive/usb must be identical to the hard copy.**

2.0 ADDITIONAL BID INFORMATION

Unless otherwise specified, the Township reserves the right to accept any item in the bids. Bidders may submit on any item or group of items, provided however, that the unit prices are shown as required. It is the vendor's responsibility to acquire knowledge of any change, modifications or additions to the bid documents. Any vendor who submits a bid and later claims it had no knowledge of any change, modifications or additions made by the Charter Township of Chesterfield to the bid specifications, shall be bound by the bid, including any changes, modifications or additions made by the Charter Township of Chesterfield to the bid specifications, and that vendor fails to accept the bid award, the Charter Township of Chesterfield may pursue costs and expenses to re-bid the item from that vendor.

The Charter Township of Chesterfield officially distributes bid documents from the Township Clerk's Office upon request, on our website: Chesterfieldtwp.org, or through the BIDNET website. Only those vendors who obtain bid documents from the Township Clerk's Office, Township Website, or through the BIDNET website are guaranteed access to receive addendum information, if such information is issued that is not in the original bid documents. Each change or addendum issued in relation to this bid will be on file in the Township Clerk's Office. It shall be the bidder's responsibility to make inquiry as to the changes or addenda issued, unless the addendum is contained in the original bid documents.

3.0 PROJECT OVERVIEW

The Township is seeking the services of a qualified Contractor to complete the work specified in the General Scope of Work Section. The Township also reserves the right to negotiate a contract for design, removal and installation of epoxy floor coating. The intent of the Bid Inquiry is to award a contract for service/s to the successful and most competent respondents.

As part of the Work, the Contractor shall furnish and assume full responsibility for everything required for the orderly progress and proper execution and completion of the Work, whether temporary or permanent and whether or not incorporated into the Work including, but not limited to, drawings, materials, equipment, labor including subcontractor, transportation, construction equipment and machinery, tools and other facilities and incidentals.

Contractor shall not have any public or private interest and shall not require directly or indirectly any such interest which conflicts in any manner with the performance of its services under this contract.

The Township provides no guarantee of work. Award of contract does not prevent the Township from obtaining the services of another Contractor for any other project if the Township so desires and/or is in the public interest to do so.

3.1 BID QUOTATION REQUIREMENTS

- Fire Department has scheduled a walk through and question & answer date of March 10th from 10:00 to 12:00 Noon at: Chesterfield Township Fire Station #1, 26001 22 Mile Road, Chesterfield, Mi. 48051.
- Enclosed with this Invitation to Bid is 1 PDF file (Attachment A) of Fire Station Foundation Plans – Note we will also have available at walk through 24'' x 36'' size prints for your reference and for quoting purposes.
- 2 Bid Quotations are required:
 - A) Quote for Gray epoxy floor with Yellow or Red striping outlining fire truck placement (striping 4-6 inches in width).
 - B) Quote for Gray epoxy floor with Red entire width of fire truck – drive path way representing each truck in fleet and each bay in Fire Station.
 - Note: We estimate square footage for this project to be 6,200 square feet. If your square calculations are greater than or less than 10% - please note your square footage at bottom of pricing sheet. Otherwise use 6,200 square feet when calculating total project cost.

For Additional information please contact Fire Chief Craig Miller at 586-648-5130 or email cmiller@chesterfieldfire.org or Gary Herbst Budget Analyst at 586-949-3097 or herbstg@chesterfieldpolice.org with any questions.

4.0 SPECIFICATION & SYSTEM DESCRIPTION

- Roller applied 100% solids alkali-resistant, moisture mitigating epoxy primer followed by a pigmented, 100% solids self-leveling epoxy basecoat, with a chemical and abrasion resistant, multi-component moisture cure urethane topcoat, providing an easily maintainable, wear-resistant and long lasting flooring surface.
- This system shall be applied to the prepared substrate(s) as defined by the plans strictly in accordance with the manufacturer's recommendations.

- Contractors are required to use a manufacturer or an ASTM slip resistant specification for maximum slip resistance and shall use specification that offers the greatest protection against slippage
- Slip-resistance shall be achieved the Horizontal Dynamometer Pull-Meter or the Pendulum Slip Resistance Test method.
- The bidder, if awarded the contract, will be required to furnish the particular item(s) referred to in the specifications or description unless departure or substitution is clearly noted and described in the bid.
- The Charter Township of Chesterfield reserves the right to determine if equipment/product or service being bid is equal to the specified equipment/product or service requested.

4.1 GENERAL SCOPE OF WORK

- All contractors subject to the State of Michigan and Chesterfield Township COVID-19 guidelines and recommendations.
- Fire Station #1 shall remain in operation during the epoxy floor coating process.
- Areas will be taken out of service to provide contractor with space to work.
- The areas of work and timeframes will be negotiated with the selected contractor so as to not interfere with Fire Station operations and service.
- For purposes of responding to the Bid Inquiry the contractor should anticipate that the work is done during the summer months and that the work can be performed with no more than 2 truck bays out of service at any one time.
- The non-bay areas shall be taken out of service with the least amount of disruption to the Fire Station operations.

4.2 PREPARATION SHALL INCLUDE, BUT NOT LIMITED TO THE FOLLOWING:

- Areas of exposed concrete surface shall be cleaned of oil and debris. Refer to Attachment A:
- Areas of existing epoxy coated surface shall be completely cleared of all coating materials.
- The means and methods of removal shall be determined by the contractor.
- The description of the means and methods shall be provided in the contractor's proposal and consistent with epoxy manufacturer recommendations.
- Also any manufacturer's recommendations of surface preparation shall be completed prior to coating installation. The description of the means and methods shall be provided in the contractor's proposal and consistent with epoxy manufacturer recommendations.
- Contractor also to provide 1 of 2 methods of the following tests to determine concrete moisture and submit to Chesterfield Fire Department Chief for evaluation. Test either In-situ Probe test of Calcium Chloride test. Contractor to provide test results in writing and preparation of floor will not be permitted until satisfactory moisture levels have been achieved.
- General – Consult the manufacturer's recommendations for concrete substrate preparation before proceeding.
- Any manufacturer's recommendations of surface preparations shall be completed prior to coating installation. The description of the means and methods shall be provided in the contractor's proposal.
- Patching and Joint Preparation – Before application the floor shall be examined for spalls, pits, holes, cracks, non-functional joints, etc. These must be treated after preparation with suitable preparation product/s. For functional or expansion points, these shall be treated with 100% solids elastomeric resin having a minimum elongation of 150%.

- Concrete Surfaces – Shot-blast, diamond grind or power scarify as required to obtain clean, open, porous concrete. Remove sufficient material to provide a sound surface free of laitance, glaze, efflorescence and any bond-inhibiting curing compounds or form release agents. Remove grease, oil and any other penetrating contaminants. Repair damaged and deteriorated concrete to acceptable condition and leave surface free of dust and dirt.
- Materials – Mix components when required and prepare materials according to flooring system manufacturer’s instructions.

4.3 APPLICATION AND INSTALLATION

- The system shall be installed in the order described below:
 - a. Surface Preparation
 - b. Primer Application
 - c. Basecoat / Body Coat & Chip-flake application (if applicable)
 - d. Grout coat (if applicable)
 - e. Topcoat Application & Aggregate
- Concrete surfaces on grade shall have been constructed with a vapor barrier to protect against the effects of vapor transmission and possible delamination of the system. Refer to the manufacturer’s instructions and requirements for additional recommendations.
- Concrete surface shall be dry prior to application of any of the aforementioned steps. Furthermore, the substrate shall always be kept clean, dry and free of any contaminants.
- The handling and mixture of any material associated with the installation of the system shall be in accordance with the manufacturer’s recommendations.
- All areas considered for the application shall be primed with the 100% solids, moisture mitigating primer to seal and penetrate the substrate. Note that porous substrates may require additional applications of primer.
- Mid coat is applicable shall consist of 100% solids, pigmented epoxy mid-coat for improved wear resistance.
- The topcoat shall consist of the manufacturer’s approved urethane topcoat coverage at estimated 500 square feet per gallon to seal the surface and give the floor chemical and abrasion resistant properties.
- Slip-resistant properties will be achieved by incorporating glass beads or equivalent into the urethane topcoat as a rate of roughly 2 ounces per gallon.
- No traffic or equipment shall be permitted on the floor during curing period.
- Lane Marking and Walkway identification to be installed on fire apparatus flooring to guide vehicles when backing in and parking as well as to designate safe walkways as per enclosed drawings in Attachment A.

4.4 SUBMITTALS

- Product data required Manufacturer’s data sheets on each product to be used, including properties, VOC content.
- Wet static coefficient of friction, compression strength, tensile strength, elongation, surface preparation, application instructions storage and handling requirements and recommendations.
- Samples – 2 hard samples representative units of each system, including color and texture
- Submittals required for Manufacturer’s Standard Warranty and Applicator’s Standard Warranty.
- Manufacturer’s Certification: Shall submit manufacturer’s certification that materials comply with specified requirements and are suitable for intended application.

4.5 MATERIAL PROPERTIES

The coating system should meet the following physical properties:

Cured System Property Guidelines:

Chemical Properties	Specification	Minimum Requirement
Compression Strength	ASTM C695	13,500 PSI
Tensile Strength	ASTM D2370	8,000 PSI
Flexural Strength	ASTM C580	4,300 PSI
Flexural SP Modulus of Elasticity	ASTM C580	2.0 x 10E6 PSI
Bond Strength, ACI Committee #503, pages 1139-1141	ASTM D454	>400 PSI
Hardness, Shore D	ASTM 2240	85-90
Impact Resistance	ASTM D4541	>160 in/lb
Abrasion Resistance CS-17 Wheel, 1000 gm load, 1000 cycles	ASTM D4060	18.0mg max weight loss
Water Absorption	ASTM C413	0.01%
Coefficient of Friction, Rough / Medium / Smooth	ASTMD2047	0.9 / 0.8 / 0.6
Flammability	ASTMD635	Self-Extinguishing

4.6 QUALITY ASSURANCE

1. Manufacturer Qualifications: Company specializing in manufacturing products specified in the section with a minimum of five (5) years documented experience.
2. Applicator's Qualifications: Applicator shall have a minimum of 3 (three) years in application of resinous and / or polymer floor coatings to concrete floors.
3. Proposed suppliers shall provide certification that they have five (5) years' experience in the production of resinous and / or polymer floor coatings and be required to meet all provisions, specifications and requirements of this bid package.

5. ALTERNATE BIDS

Bidders are cautioned that any alternate bid, unless requested by the Township, or any changes, insertions, or omissions to the terms and conditions, specifications, or any other requirements of this bid, may be considered non-responsive and in the opinion of the Township, may result in rejection of the bid.

6. PRICING

Prices shall be stated in units of quantity specified in the bid document and completed as per detail requested in SECTION 22 PRICING TABLE. In case of a discrepancy in computing the amount of the bid, the unit price bid will govern.

7. QUANTITIES

All quantities stated, unless indicated otherwise, are estimates and the Township reserves the right to increase or decrease the quantity at the unit price bid as best fits it need. In addition, the Township reserves the right to make future purchases at the unit price submitted for all Township departments, including the Public Safety Department.

8. DELIVERY

Bids shall include all charges for delivery, packing, crating, etc. All deliveries will be FOB: Destination. General delivery hours are 8:00 a.m. to 4:00 p.m. Monday-Friday.

9. TAXES, TERMS AND CONDITIONS

The Charter Township of Chesterfield is exempt from Federal Excise, State Sales Tax and Personal Property Tax. The Township's tax I.D. number is 38-6006891.

10. AWARD

The bid will be awarded to that responsible, responsive bidder whose bid, conforming to this solicitation, will be most advantageous to the Township, with price and other factors considered. **The Charter Township of Chesterfield reserves the right to accept any bid, to reject any or all bids, or waive irregularities in any bid in the best interest of the Township.** Bidders may submit bids on any item or groups of items provided unit prices are clearly shown and a notation is made on the bid document clearly indicating bidder's intent.

11. WITHDRAWALS OF BIDS

Bids may be withdrawn in person by a bidder, or authorized representative, provided their identity is made known and a receipt is signed for the bid, but only if the withdrawal is made prior to the stated bid deadline. No bid may be withdrawn for at least 90 days after bid opening. In case of error by the bidder in making up a bid, the Township may, by discretion, reject such a bid upon presentation of a letter by the bidder which sets forth the error, the cause thereof and sufficient evidence to substantiate the claim.

12. DEFAULT CONDITIONS

In case of default by the contractor, the Charter Township of Chesterfield may procure the articles or services from other sources and hold the bidder responsible for any excess cost occasioned thereby. In case of error by the bidder relating to a Contract, the Township may, by discretion upon presentation of a written explanation by the bidder substantiating the error, reject the Contract and award to the next qualified bidder. Such error may be subject to default conditions.

13. INFRINGEMENTS AND INDEMNIFICATIONS

The bidder, if awarded a contract, agrees to protect, defend and save the Township and herein, its officials, employees, departments, and agents, harmless against; any demand for payment for the use of any patented material, process, or device that may enter into the manufacture, construction, or from a part of the work covered by either order or contract; and from suits or a charge of every nature and description brought against it for, or on account of, any injuries or damages received or sustained by the parties by or from any of the facts of the contractor, the contractor's employees, or agents; from all liability claims, demands, judgments and expenses to persons or property occasioned, wholly, or in part, by the acts or omissions of the bidder, contractor, agents or employee.

14. BONDING

Bonding is not necessary for this Bid Inquiry and / or purchase.

15. INSURANCE (REQUIRED FOR WORK ON OR WITHIN TOWNSHIP PROPER/FACILITIES)

The successful bidder is required to furnish evidence of the following insurance requirements in accordance with Chesterfield Township requirements. Work may not commence until the Certificates of Insurance have been received. The coverage requirements are as follows:

Workers' Compensation Insurance: The Contractor shall procure and maintain during the life of this contract, Workers' Compensation Insurance, including Employers' Liability Coverage, in accordance with all applicable statutes of the State of Michigan.

Commercial General Liability Insurance: The Contractor shall procure and maintain during the life of this contract, Commercial General Liability Insurance on an "Occurrence Basis" with limits of liability not less than \$1,000,000 per occurrence and aggregate combined single limit, Personal Injury, Bodily Injury, and Property Damage. Coverage shall include the following extensions: (A) Contractual Liability; (B) Products and Completed Operations; (C) Independent Contractors Coverage; (D) Broad Form General Liability Extensions or equivalent.

Motor Vehicle Liability: The Contractor, or its subcontractors, shall procure and maintain during the life of this contract Motor Vehicle Liability Insurance, including Michigan No-Fault Coverage, with limits of liability not less than \$1,000,000 per occurrence combined single limit, Bodily Injury, and Property Damage. Coverage shall include all owned vehicles, all non-owned vehicles, and all hired vehicles.

Additional Insured: Commercial General Liability Insurance as described above, shall include an endorsement stating that the following shall be Additional Insured: The Charter Township of Chesterfield, all elected and appointed officials, all employees and volunteers, all boards, commissions, and/or authorities and board members, including employees and volunteers thereof.

Cancellation Notice: Note all of the above insurance required will remain in effect from award of project through satisfactory approval of completion by Chesterfield Township Public Safety Director.

16. GENERAL INFORMATION:

**All invoices shall be sent to:
Chesterfield Township
Attn: Accounts Payable
47275 Sugarbush Rd
Chesterfield, MI 48047**

- Invoice will be paid on a Net 60 basis after epoxy flooring has cured and Fire Chief has approved supplier invoice for payment.

17. INSTALLATION

See Section 4.2 APPLICATION AND INSTALLATION.

18. FIRM PRICE GUARANTEE

Required firm price for this Bid Inquiry.

19. REFERENCES (Provide three)

<u>Company</u>	<u>Contact Person</u>	<u>Phone #</u>
1. _____		
2. _____		
3. _____		

20. CONTRACT TERMINATION

The Township reserves the right, upon thirty (30) days written notice, to terminate this contract for failure of vendor to comply with terms and conditions set forth herein. Nonperformance on the part of the vendor shall constitute breach of contract and shall nullify any and all contractual obligations between the seller and the purchaser.

21. APPROVAL ACCEPTANCE/ACCEPTANCE OF SPECIFICATIONS

The undersigned herein submits this proposal and agrees to enter into an agreement, if awarded the contract, with the Charter Township of Chesterfield in accordance with the contract documents.

NAME OF BIDDER _____

BUSINESS ADDRESS OF BIDDER _____

BUSINESS TELEPHONE NUMBER OF BIDDER _____

AUTHORIZED SIGNATURE _____

TITLE OF SIGNER _____

DATE OF SIGNATURE _____

FAX NUMBER _____

EMAIL _____

For Additional information please contact Fire Chief Craig Miller at 586-648-5130 or email cmiller@chesterfieldfire.org or Gary Herbst Budget Analyst at 586-949-3097 or herbstg@chesterfieldpolice.org with any questions.

22. PRICING TABLE:

CHESTERFIELD FIRE STATION #1 - EPOXY FLOOR COST DETAIL SHEET

Quote 1 or 2

LABOR		Fully Burdened	Total	Total Cost
Description	No. Workers (a)	Labor Rate (b)	Hours Worked (c)	= a x b x c
Surface Prep	_____	_____	_____	_____
Apply Primer	_____	_____	_____	_____
Apply Top Coat	_____	_____	_____	_____
Other labor	_____	_____	_____	_____
			Total Labor Cost	_____

MATERIAL			Total Cost
Description	Unit of Measure (a)	Qty Used (b)	= a x b
Preparation Materials	_____	_____	_____
Primer	_____	_____	_____
Basecoat	_____	_____	_____
Grout coat (if used)	_____	_____	_____
Top Coat	_____	_____	_____
Misc Items list each	_____	_____	_____
	_____	_____	_____
	_____	_____	_____
	_____	_____	_____
	_____	_____	_____
			Total Material Cost

OTHER MISC. SG&A & PROFIT	_____ →
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YOUR ESTIMATED SQ FOOTAGE: _____

GRAND TOTAL _____

NOTE: REMEMBER TO INCLUDE YOUR ESTIMATED SQUARE FOOTAGE IN YOU BID AND TO SUBMIT 2 QUOTES – 1 FOR STRIPES AND 1 FOR RED EPOXY PATHWAYS.