



Hamburg Township Public Safety Department

PO BOX 157 • HAMBURG, MICHIGAN 48139
PHONE: (810) 231-9391 • FAX: (810) 231-9401
EMAIL: HATP@hamburg.mi.us

RICHARD DUFFANY, DIRECTOR OF PUBLIC SAFETY



TO: Hamburg Township Board
FROM: Chief Richard Duffany
DATE: July 11, 2023
RE: Agenda Item Topic: **Fire Station 11 Training Room Floor Refurbishment**
General Ledger #: **206-000.000-930.003**
Number of Supporting Documents: **3**
NEW/OLD BUSINESS: **XXX** New Business
_____ Old Business – Previous Agenda #:

Requested Board Action

- Motion to approve the hiring of Diamond Shine Concrete Polishing of Shelby Twp, MI to perform the training room floor refurbishment work using a polished finish, as outlined in their quote, at Fire Station 11 for a price of \$14,250.00.

Background Information

One of the goals in this fiscal year is to renovate the training room at Fire Station 11. As we undertake this renovation it is our intent to also incorporate an Emergency Operations Center (EOC) in the training center area. In order to renovate the training room and add the EOC it is necessary to refurbish the training room floor and perform electrical upgrades (within the floor).

The current floor is square vinyl flooring that has yellowed and begun to lift in several locations. Any floor replacement that we use will require the removal of the current floor and replacing it with a new long-lasting floor system. Deputy Director Newton had three vendors inspect the floor and provide quotes. Each vendor was asked to provide a quote for coating the new floor with epoxy and a quote for polishing the new floor. The quotes are as follows:

1. Diamond Shine Concrete Polishing
Shelby Twp., MI

Quote:	Epoxy Finish:	\$17,700.00
	Polished Finish:	\$14,250.00
2. Cipriano Coating Technology
Sterling Heights, MI

Quote:	Epoxy Finish:	\$15,500.00
	Polished Finish:	\$14,700.00



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3. Concrete Floor Treatment, Inc.
Westland, MI

Quote:	Epoxy Finish:	\$19,640.00
	Polished Finish:	Not provided

After comparing the characteristics of epoxy finish and a polished finish it was decided to go with a polished finish. It is my recommendation that the Board authorize the hiring of Diamond Shine Concrete Polishing of Shelby Twp, MI to perform the training room floor refurbishment work using a polished finish as they provided the lowest bid.

Budget Impact

The cost for this project is included in the adopted FY 23/24 budget and will not adversely impact the budget.

Respectfully,

A handwritten signature in black ink, appearing to read "Richard Duffany".

Chief Richard Duffany
Director of Public Safety

July 3, 2023

Mr. Jeffrey Newton
Hamburg Township Fire

RE: **Resinous Flooring Proposal – Station 11**

Proposal

Areas: Designated Apparatus Bays – Approximately 7085 sq. ft.
Training Room – Approximately 2400 sq. ft.

Manufacturer: Protective Industrial Polymers.

System: Three Coat Resinous Flooring with urethane finish coat. – **Protect CT-500pro**
Traffic Coating System with urethane finish coat. – **Protect BC-500pro**
Double Broadcast Flake – **ChromaFlake**
Ground and Polished Concrete in training room

Preparation: Shot blasting &/or diamond grinding:

CCT will utilize state of the art surface preparation equipment to profile the existing concrete or coating system to create the proper profile for maximum adhesion. These pieces of surface preparation equipment use high end dust collection systems that capture 98% of the air born particulate.

BW Manufacturing – SCB 1600



Husqvarna – PG 820



Training Room

Polished Concrete Install Process:

1. Mechanically remove tile from surface
2. Mechanically remove existing mastic from concrete
3. Begin the grinding process using 30 grit metal bond diamond tooling to smooth and flatten areas
4. Repeat this step to reveal selected aggregate (salt & pepper)
5. Fill cracks and imperfections with cement base polymer material (Will be visible when done)
6. Continue the grinding process with 60 grit metal bond diamond tooling
7. Continue the grinding process with 120 grit metal bond diamond tooling
8. Begin the honing process with 50 grit hybrid bond diamond tooling
9. Continue the honing process with 100 grit hybrid bond diamond tooling
10. Begin the polishing process with 200 grit resin bond diamond tooling
11. Continue the polishing process with 200 grit resin bond diamond tooling
12. Install densifier/sealer hardener per manufacturers recommendation
13. Continue the polishing process with 400 grit resin bond diamond tooling
14. Continue the polishing process with 800 grit resin bond diamond tooling
15. Install subsurface stain protector
16. Finish the polishing process with burnishing the entire area

Cost: Base bid	\$13,750.00
Generator if required.	\$950.00

DISCLAIMER:

1. CCT does not warrant against any current or future moisture/oil issues permeating through the concrete nor will be held liable for damages or repairs caused by moisture/vapor drive or oil saturation.
 2. CCT will require multiple phase 480V– 40-amp power or 3 phase 240V/208 – 100 amp power and will require a licensed electrician to wire our pigtails into power source.
 3. Bid is for the referenced square footages only; on-site verification of actual square footages may alter the bid.
 4. Bid does not include major repair to damaged concrete.
 5. CCT will require a dumpster for trash generator during the removal and installation of new coating system.
-

Feel free to contact me directly with any questions you may have.

Regards,

Jim Cipriano



Quote

Diamond Shine Concrete Polishing

6/28/2023

Uncover the hidden beauty in concrete

To: Hamburg Twp. Fire Department
10100 Veterans Memorial Dr.
Hamburg MI 48139

Salesperson	Job	Terms	
Mark Weatherly	Fire Station Training Room	Net 30	

Qty	Description	Unit Price	Line Total
	Traning Room Option 1		
2400	Remove Vinyl tile	\$ 1.50	\$ 3,600.00
2400	Grind and polish to a level 3 gloss	\$ 4.00	\$ 9,600.00
1	Generator charge	\$ 600.00	\$ 600.00
1	Dumpster charge	\$ 450.00	\$ 450.00
			\$ 14,250.00
	Traning Room Option 2		
2400	Remove Vinyl tile	\$ 1.50	\$ 3,600.00
2400	Prep and apply two coats 100% epoxy and 1 coat High Wear Urethane topcoat	\$ 5.50	\$ 13,200.00
1.00	Generator Charge	\$ 450.00	\$ 450.00
1.00	Dumpster Charge	\$ 450.00	\$ 450.00
			\$ 17,700.00

Quotation prepared by: Mark Weatherly

This is a quotation on the goods named, subject to the conditions noted below: No traffic on floors during the grinding and polishing process.

Subtotal	
Sales Tax	
Total	

To accept this quotation, sign here and return: _____

Thank you for this opportunity!

6931 23 Mile Rd. Shelby Twp. MI 48316 O: 586.314.1011 F: 586.314.1014



Concrete Floor Treatment, Inc.

38257 Abruzzi Dr., Westland, MI 48185
734-721-4640



June 26, 2023

Hamburg Township Fire Department
10100 Veterans Memorial Dr.
P.O. Box 157
Hamburg MI 48139-0157

Attn: Deputy Director Jeffrey Newton

Ref: Fire Station 3666 M-36

Concrete Floor Treatment, Inc. we are pleased to submit the following proposal.

Sherwin Williams Resuflor Deco Flake DB Floor System

1. Remove existing coating/tile.
2. Mechanically prepare concrete to receive floor system.
3. Repair cracks and surface defects with epoxy repair materials.
4. Apply epoxy primer filled with decorative flake.
5. Apply intermediate coat of epoxy filled with decorative flake.
6. Apply clear epoxy grout coat to encapsulate decorative flake.
7. Apply clear urethane high wear seal coat.
8. Apply yellow lines.

Total cost apparatus bays and misc rooms per our walk-thru.... \$48,615.00

Total cost for training room.....\$19,640.00

If you have any further questions, feel free to contact me at 313-218-5383.

Sincerely,

Jeff Carnacchi
Concrete Floor Treatment, Inc.
President
Cell: 313-218-5383
Office: 734-721-4640