

**CONTRACT CHANGE ORDER FORM
CHANGE ORDER # 08 & Partial**

Project: **Moser Tower Rehabilitation 2021**
StruxC-MC LLC
2300 West Diversey Av
Chicago, IL 60647

Bid No.: **21-149**

CIP No. **PA-048, PA-050**

P.O. No.: **2158**

Change Order Justification:

The amount of this change order, inclusive of previously approved changes, exceeds the original contract amount by \$59,235.40, 2.83% and by 574 days.

This change order requests additional dollars to pay for a 20-year extended warranty on the waterproof membrane system installed around the exterior base of the structure. The product included a 5-year warranty as standard.

Construction was not completed before winter shutdown for 2022. This change order requests an additional 244 days. The extension revises the completion date of the contract to June 1, 2023.

I, **Chris Nichols**, of Transportation, Engineering and Development, certify that this work is necessary for successful completion of this work/project/contract. I further certify that: the circumstances said to necessitate the change in performance were not reasonably foreseeable at the time the contract was signed, or the change is germane to the original contract as signed, or the change order is in the best interest of the City and authorized by law.

Account Number	Project Number	Work Order #	Dollar Amount
30292300-551500	PA-048		\$3,450.00
30292200-551502	PA-050		\$0.00

Contract	
Original Contract	\$2,092,152.00
Prior Cumulative Changes	\$55,785.40
Subtotal	\$2,147,937.40
(+) This Change	\$3,450.00
Total Contract	\$2,151,387.40

Authorized Contingency	Days	Dollars
Original Amount	29	\$62,764.56
(-) Previously Authorized	330	\$55,785.40
Subtotal	00	\$6,979.16
(-) This Change	244	\$3,450.00
Balance Left	00	\$3,529.16

Authorized Signatures
(cumulative amount of change orders)
Division and Department Required
\$0 - \$25,000 - Purchasing Manager
Over \$25,000 - City Manager

APPROVED:	
Signature	Date
Title: _____	

Requisition Number: _____

Engineering Manager/Deputy City Engineer Date

- Requires CMO Signature
 DOES NOT Require CMO Signature

Cc: Project File/ Contractor/P.O. File (Org. waivers Attached)/Finance/Tissue

CITY OF NAPERVILLE
DEPARTMENT OF TRANSPORTATION & ENGINEERING
AUTHORIZATION OF CONTRACT CHANGES

- Involving Change in Length of Section or Design
- Not Involving Change in Length of Section or Design

County: **DuPage**
 Bid No.: **21-149**
 P.O. No.: **2158**
 Project: **Moser Tower Rehabilitation 2021**

To: Mr. Constantine Fourlas
 Contractor: **StruxC-MC LLC**
 Address: **2300 West Diversey Av**
Chicago, IL 60647

CIP No.: **PA-048, PA-050**
 Date: **01/20/23**

Authorization No. 08 & P

Gentlemen:

The following change from the plans in the construction of the above designated section of highway improvement is authorized and directed. The estimated quantities are shown below at the awarded contract unit prices except where indicated. The first addition of an item not in the original contract under the fund type or county is indicated by an asterisk (*).

ITEM NO	*	ITEM DESCRIPTION AND UNIT	QUANTITY	UNIT PRICE	ADDITION	DEDUCTION
1		Work Defined on Sheets S-1 to S-23	DOL	0.000	\$1.000	
2		Additional Clean and Paint Steel (as identified by engineer)	SQ FT	0.000	\$0.000	
3		Additional Pressure washing Steel (as defined by engineer)	SQ FT	0.000	\$2.000	
4		Additional Crack Repair - CR1 (as identified by engineer)	SQ FT	0.000	\$65.000	
5		Additional Crack Repair - CR2 (as identified by engineer)	SQ FT	0.000	\$410.000	
6		Additional Mortar Joint Replacement (as identified by engineer)	LF	0.000	\$19.000	
7		Additional Sealant Replacement (as identified by engineer)	LF	0.000	\$16.500	
8		Work Defined on Sheets A-301 to A-303	DOL	0.000	\$1.000	
9		Piers	EA	0.000	\$2,500.000	
10		Seatwalls	LF	0.000	\$268.290	
11		Monument Piers	EA	0.000	\$7,500.000	
12		At-grade pavers	SQ FT	0.000	\$50.000	
13		Pedestal Pavers	SQ FT	0.000	\$32.000	
14		Stail Railing	LF	0.000	\$312.000	
15		Guardrail	LF	0.000	\$125.000	
16		Screening fence	LF	0.000	\$110.000	
17		Planters	EA	0.000	\$3,000.000	
18		Relocate existing bench	EA	0.000	\$750.000	
19		Relocate existing trash can	EA	0.000	\$750.000	
20		Relocate existing plaque	EA	0.000	\$2,500.000	
21		Shrub - Cornus Sericera 'Farrow' (Artic Fire Redtwig Dogwood)	EA	0.000	\$110.000	
22		Shrub - Fothergilla X intermedia 'Blue Shadow' (Blue Shadow Fothergilla)	EA	0.000	\$146.000	
23		Shrub - Fothergilla gardenia (Dwarf Fothergilla)	EA	0.000	\$141.000	
24		Shrub - Hydrangea quercifolia 'Ruby Slippers' (Oakleaf Hydrangea)	EA	0.000	\$111.000	
25		Shrub - Viburnum dentatum 'Synnesvedt' (Chicago Lustre Viburnum)	EA	0.000	\$115.000	
Sub Totals					\$0.000	\$0.000

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ITEM NO.	*	ITEM DESCRIPTION AND UNIT	QUANTITY	UNIT PRICE	ADDITION	DEDUCTION
26		Shrub - Rhododendron 'Karen' (Karen Azalea)	EA	0.000	\$100.000	
29		Ornamental Grass - sesieria autumnalis (Autumn Moor Grass)	EA	0.000	\$21.000	
30		Perennial - Allium ' Summer Beauty' (Summer Beauty Onion)	EA	0.000	\$20.000	
31		Perennial - Carex morrowill 'Ice Dance' (Ice Dance Sedge)	EA	0.000	\$21.000	
32		Perennial - hosta 'Fragrant Bouquet' (Fragrant Bouquet Hosta)	EA	0.000	\$22.000	
33		Perennial - Hosta 'Hadspen Blue' (Hadspen Blue Hosta)	EA	0.000	\$23.000	
34		Perennial - Mertensia virginica (Virginia Bluebells)	EA	0.000	\$22.000	
35		Perennial - Phlox 'Forever Pink' (Forever Pink Phlox)	EA	0.000	\$23.000	
36		Shredded Hardwood Mulch	CY	0.000	\$22.000	
37		Turf Seed & Erosion Control Blanket	AC	0.000	\$25,000.000	
38		Alternate Bid #1 - Eagle Street Bridge Rehabilitation - Beam Removal and Replacement	LS	0.000	\$1.000	
39		Alternate Bid #2 - Eagle Street Bridge Rehabilitation - Beam Removal (Sheets ES1, ES5)	LS	0.000	\$0.000	
40	*	Change Order #2 - Slip Resistance	DOL	0.000	\$1.000	
41	*	Change Order #3 - Cast-in-place base facade	DOL	0.000	\$1.000	
42	*	Change Order #5 - Scaffolding	DOL	0.000	\$1.000	
43	*	Change Order #6 - Concrete overlay	DOL	0.000	\$1.000	
44	*	Change Order #7 - SIKA Flooring System	DOL	0.000	\$1.000	
45	*	Change Order #8 - Waterproof Membrane Extended Warranty	DOL	3,450.000	\$1.000	\$3,450.000
46		0	0	0.000	\$0.000	
47		0	0	0.000	\$0.000	
48		0	0	0.000	\$0.000	
49		0	0	0.000	\$0.000	
50		0	0	0.000	\$0.000	
51		0	0	0.000	\$0.000	
52		0	0	0.000	\$0.000	
Sub Totals					\$3,450.000	\$0.000

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ITEM NO.	*	ITEM DESCRIPTION AND UNIT	QUANTITY	UNIT PRICE	ADDITION	DEDUCTION	
53		0	0	0.000	\$0.000		
54		0	0	0.000	\$0.000		
55		0	0	0.000	\$0.000		
Amount of original contract :				\$2,092,152.00	Totals	\$3,450.000	\$0.000
Net change to date \$59,235.40, % of contract price = 2.83%					Net Change	\$3,450.000	

Approved _____, 2022
 Construction Engineering Inspector

Approved _____, 2022
 Project Engineer

Approved _____, 2022
 Engineering Manager/Deputy City Engineer

Very truly yours,

 City Manager
 Approved _____, 2022



STRUXC-MC

CONSTRUCTION CHANGE AUTHORIZATION

CO # 8

Project name: Moser Tower Rehabilitation
 Location: 443 Aurora Ave., Naperville, IL 60540
 Contract for: Moser Tower Rehabilitation
 Date of Original Contract: May 19, 2021
 Date of this Change Order: November 14, 2022

Attn: William Novack
 630-420-6704

The above contract between the Owner and General Contractor is changed as follows:


Description

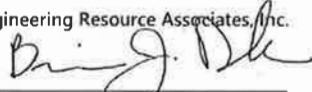
Provide 20 years of Hydrotech waterproofing system warranty	\$3,000.00
<hr/>	
Subtotal	\$3,000.00
OH & Profit	\$450.00
Total CO	\$3,450.00

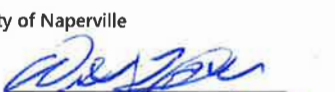
Original Contract amount	\$2,092,152.00
Previous changes	\$55,785.40
Previous Contract total	\$2,147,937.40
AMOUNT OF THIS CHANGE	\$3,450.00
Revised Contract	\$2,151,387.40

The Contract time is extended as follows:
 The revised Completion Date is

Contractor is authorized and directed to proceed with the above work upon receipt of this Change Order unless other direction has given in writing

StruxC-MC LLC.
 By 
 Date: 1/19/2023

Engineering Resource Associates, Inc.
 By 
 Date: 1/19/2023

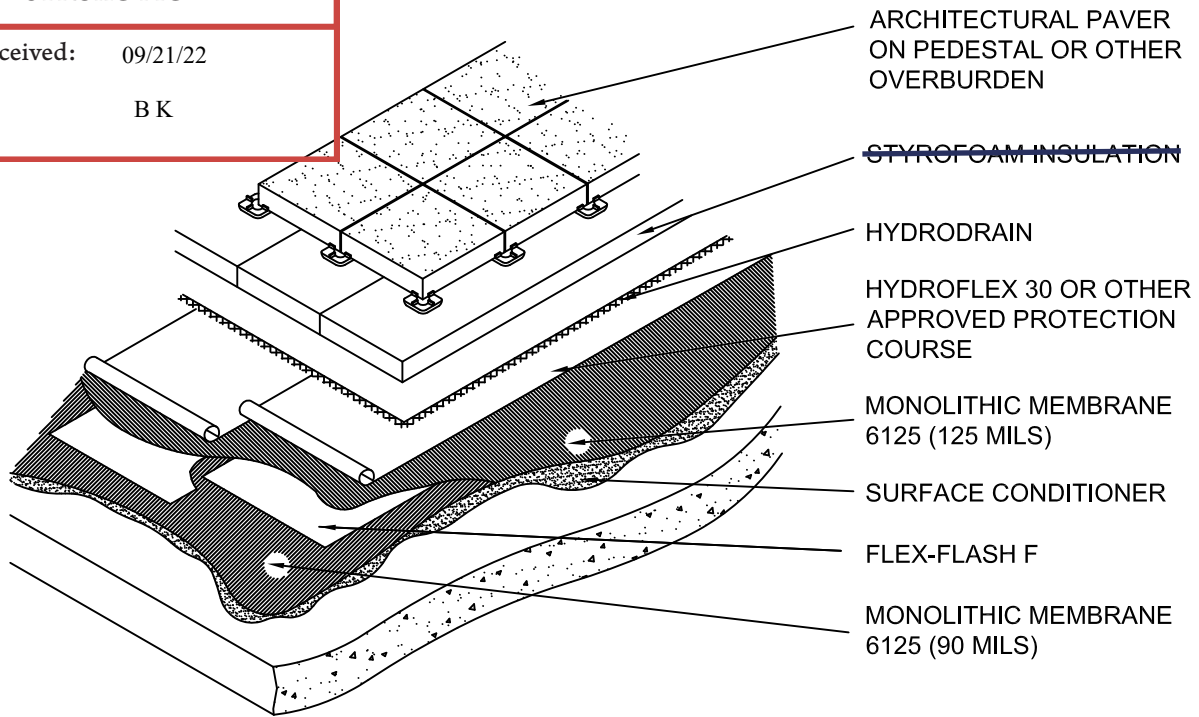
City of Naperville
 By 
 Date: 1/20/23



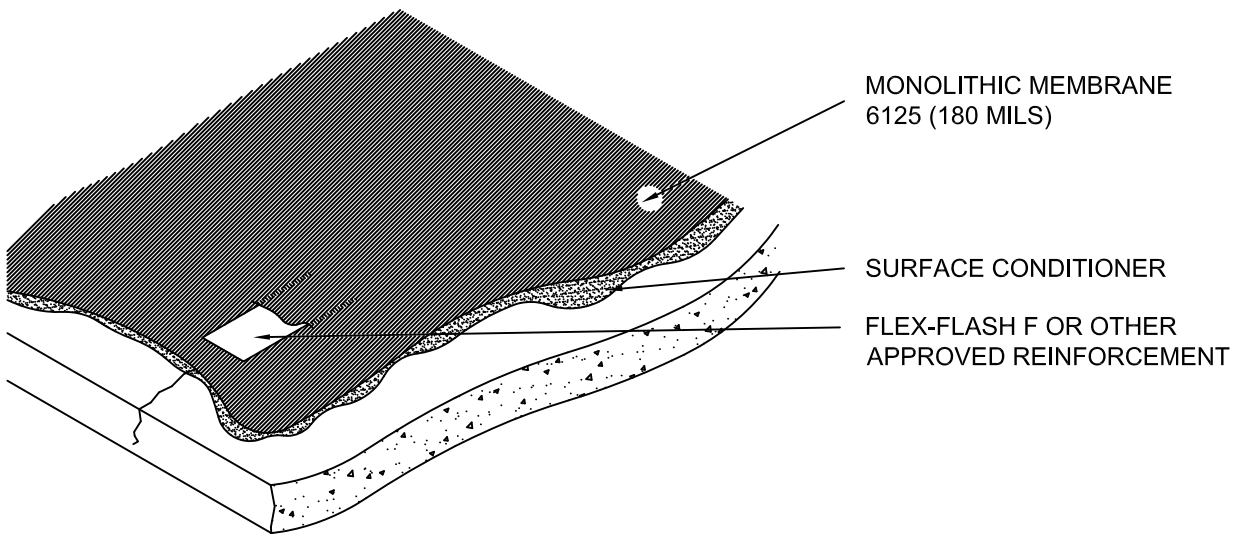
STRUXC-MC

Date Received: 09/21/22

By: B K



FABRIC REINFORCED ASSEMBLY
FOR NEW CONCRETE SUBSTRATES AND ALL REHAB APPLICATIONS



STANDARD ASSEMBLY
FOR NEW CONCRETE SUBSTRATES



Monolithic
Membrane
6125-FR
WATERPROOFING SYSTEMS

AMERICAN HYDROTECH, INC.

MATERIAL APPLICATION

SCALE: NONE
DATE: 11/02/20

W-1



**SHOCKINGLY
ACCURATE!**

International Leak Detection LLC.
2060 E Algonquin Road, Suite 710
Schaumburg, IL 60173
T: 847.299.5325
F: 847.299.8066
Toll Free: 1.866.282.5325

EFVM® TEST REPORT

Prepared For: Allied Waterproofing, Inc.
520 Executive Drive, Suite A
Willowbrook, Illinois 60527

Site Location: Moser Tower
Aurora Avenue & West Street
Naperville, Illinois

Project Number: 22-7139

Inspection Number: 1

Technician: 088



www.leak-detection.com

United States – Boston, Louisville, New Jersey, Portland, Salt Lake City, San Bruno

Australia, Austria, Bahrain, Brazil, Canada, Denmark, Dubai, Germany, Great Britain, India, Italy, Kuwait, New Zealand, Oman, Poland, Qatar, Russia, Saudi Arabia, Switzerland, United Arab Emirates



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EFVM® Technique

Before conducting the EFVM® procedure, it is essential that the membrane surface is wet. If the surface is dry at the time of the test, then water needs to be sprayed over all the areas to be tested. If the area is sloped and free draining, the water supply needs to be continuous.

The “Vector-9” conductor wire is set out in a rectangular loop around the area to be tested and an EFVM® impulse generator is connected to the conductor wire. Every three (3) seconds a 49- volt potential is being delivered for a period of one (1) second. An electrical potential difference is set up between the membrane surface, which is wet, and the structural deck or the VMG conductive medium, which is earthed or grounded. If there are any breaches in the membrane, then the small electric current will flow across the membrane surface and down through the breach to the earthed structural deck or VMG. Using an EFVM® potentiometer connected to two probes, the direction of the current can be identified and, thus, by moving the probes, any breach can be pinpointed. Because of the high electrical resistance through the membrane, the magnitude of the electrical current is relatively small. However, not the magnitude of the current is important, but rather the direction in which it flows, leading the EFVM® technician to a breach in the membrane.

The above method is, of course, a simplified description of what takes place during the test. The EFVM® technician needs intensive training and experience to be able to pinpoint all breaches and even capillary defects and to work around difficulties associated with an electrical testing system.



EFVM® Report

Date of Test: 11-04-2022

Testing Method: EFVM® (Electric Field Vector Mapping)

Weather: Overcast

International Leak Detection performed the EFVM® test of the waterproofing membrane installed on the Moser Tower project, located at Aurora Avenue & West Street in Naperville, IL. The EFVM® test was requested to confirm the integrity of the waterproofing membrane prior to the installation of the overburden.

To perform the EFVM® test, the Vector-9 conductor wire was placed on top of the membrane and the surface was dampened to create the conductive field plate. As the test progressed, satisfactory readings were observed.

The test locations are described as follows:

- Area 1.0 - Section 1

Test area is a section of the ground level plaza located on the east side of the building. The test area commences at the east edge of the building. The farthest ends of the test area extend out to approximately 63'-6" by 66'-11".



Summary

The EFVM® test confirmed that the membrane was isolating the potential difference. Therefore, the membrane was deemed watertight at the conclusion of the EFVM® test.



Photo Documentation



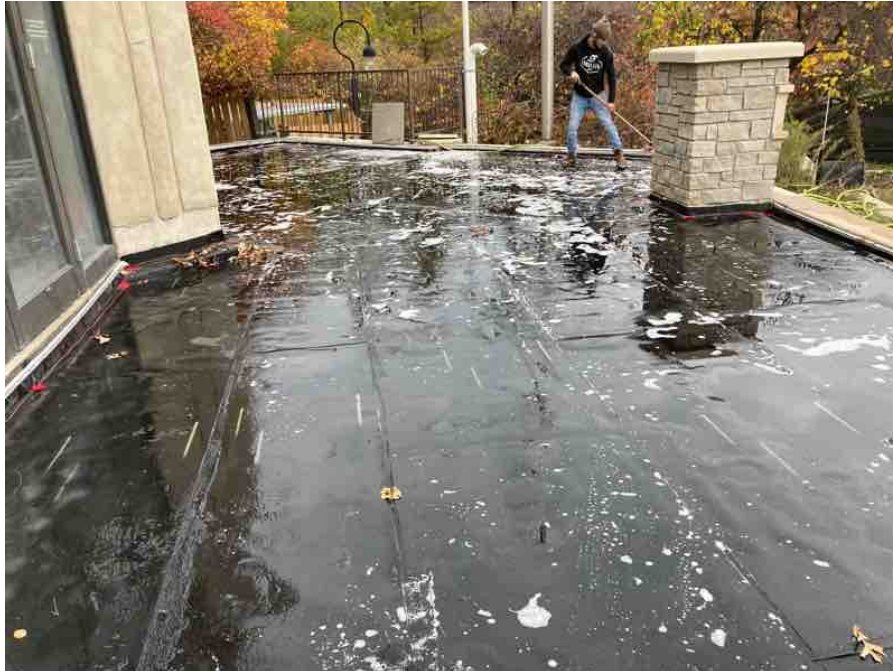
Project Overview



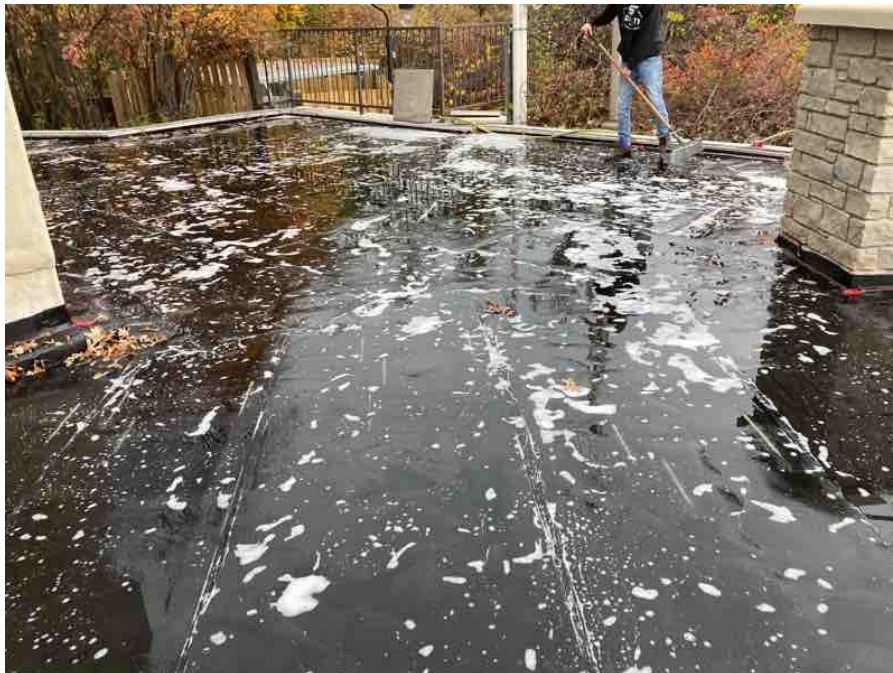
North Overview of Area 1.0 - Section 1



North Overview of Area 1.0 - Section 1



West Overview of Area 1.0 - Section 1



West Overview of Area 1.0 - Section 1



West Overview of Area 1.0 - Section 1



West Overview of Area 1.0 - Section 1



West Overview of Area 1.0 - Section 1



West Overview of Area 1.0 - Section 1



West Overview of Area 1.0 - Section 1



West Overview of Area 1.0 - Section 1



West Overview of Area 1.0 - Section 1



East Overview of Area 1.0 - Section 1



East Overview of Area 1.0 - Section 1



East Overview of Area 1.0 - Section 1



East Overview of Area 1.0 - Section 1



East Overview of Area 1.0 - Section 1



South Overview of Area 1.0 - Section 1



South Overview of Area 1.0 - Section 1

Nichols, Christopher

From: Novack, William
Sent: Wednesday, October 12, 2022 9:50 AM
To: Nichols, Christopher; Brian Dusak
Subject: RE: Hydrotech Waterproofing

Brian,

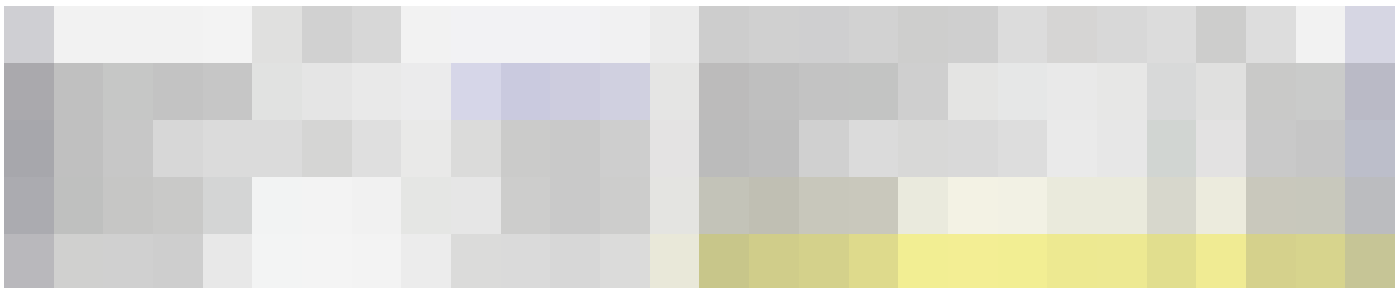
Please let BK know that we will take him up on his offer for the twenty year warranty for an additional \$3,000. Before you tell him that please ask him if he knows of any other outstanding additional costs since we cannot exceed our contingency and we will be close after taking this longer warranty.

William J. Novack, P.E.
Director/City Engineer | Transportation, Engineering and Development Business Group
City of Naperville | 400 S. Eagle Street | Naperville, IL. 60540
(630) 420-6704 | Novackw@naperville.il.us

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From: Nichols, Christopher
Sent: Tuesday, October 11, 2022 5:06 PM
To: Novack, William <NovackW@naperville.il.us>; Brian Dusak <bdusak@eraconsultants.com>
Subject: RE: Hydrotech Waterproofing

This is what I'm showing following CO#7



Under the specifications for 07-18-13 Pedestrian Traffic Coatings, we have the following regarding warranty. I do not have copy of the material approvals.



If 5 year is standard and 20-year is only \$3,000 premium, that seems like a good value, pending warranty language.

Chris Nichols, PE

Project Engineer | Transportation, Engineering, and Development Business Group
City of Naperville | 400 S Eagle St | Naperville IL 60540
(630) 420-4191 | nicholsc@naperville.il.us

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From: Novack, William <NovackW@naperville.il.us>
Sent: Tuesday, October 11, 2022 4:31 PM
To: Brian Dusak <bdusak@eraconsultants.com>; Nichols, Christopher <Nicholsc@naperville.il.us>
Subject: RE: Hydrotech Waterproofing

Chris,

How much money do we have remaining in the contingency?

From: Brian Dusak <bdusak@eraconsultants.com>
Sent: Tuesday, October 11, 2022 4:17 PM
To: Novack, William <NovackW@naperville.il.us>; Nichols, Christopher <Nicholsc@naperville.il.us>
Subject: FW: Hydrotech Waterproofing

CAUTION: This e-mail originated outside of the City of Naperville (@naperville.il.us).

DO NOT click links or open attachments unless you confirm the incoming address of the sender and know the content is safe.

Bill/Chris,

Attached is the approved waterproofing membrane submitted by STRUXC. Please let me know if you would like to entertain extending the warranty to either of the terms BK outlines below. The standard 5-year warranty is included in the bid cost.

Thanks,

Brian Dusak, PE | Principal / Construction Engineering Director
Engineering Resource Associates, Inc.
3s701 West Avenue, Suite 150, Warrenville, IL 60555
Office: (630) 393-3060 ext. 1003 | Mobile: (630) 346-8191
bdusak@eraconsultants.com
Website | Facebook | LinkedIn

From: Bahubali Patel <bk@struxc.com>
Sent: Wednesday, September 21, 2022 10:59 AM

To: Brian Dusak <bdusak@eraconsultants.com>

Cc: Jake Wolf <jwolf@eraconsultants.com>

Subject: Hydrotech Waterproofing

Hi Brian,

Please review the attached submittal for the ultimate hydro-tech system. Regarding warranty, it comes with 5 years but the manufacturer has an option to increase that to either 10 years or 20 years with an additional \$2,000 and \$3,000.

Please confirm how many years of warranty do you want us to go with.

Thank you,

B K

Bahubali Patel (B K)

STRUXC-MC, LLC | [Structures Construction, LLC](#)

2300 W. Diversey Ave, Chicago, IL 60647

M: [224-656-0035](tel:224-656-0035) | O: [773-598-8698](tel:773-598-8698)

[**bk@struxc.com**](mailto:bk@struxc.com)

www.struxc.com

www.struxc-mc.com

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