



CLIFTON PARK WATER AUTHORITY BOARD MEETING

Wednesday, August 11, 2021
7:00 PM

AGENDA

Privilege of the Floor

Old Business

- Project to Increase Capacity from SCWA
- SCWA Water Purchase Agreement Renewal
- Project to Investigate Capacity Improvements in Preserve
- Verizon Request for Installation of Telecommunications Tower at Boyack WTP
- Water Main Replacement on Plank Road
- DISH Network Request for Installation of Telecommunications Equipment on Knolltop Water Storage Tank
- Verizon Request for Equipment Modification at Knolltop Water Storage Tank

New Business

- Reimbursement to Town for Carlton Road Repair

Other Business

- Approve Minutes of July 21, 2021 Meeting

SMITH WELL DRILLING, INC.

PO Box 585
Niverville, NY 12130

518-758-6142

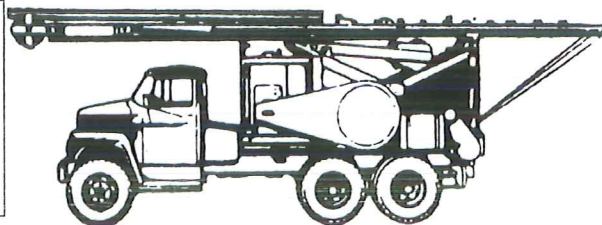
www.SmithWellDrilling.com

Invoice

DATE	INVOICE #
4/23/2021	17212

BILL TO

C.T. MALE ASSOCIATES, PC
50 CENTURY HILL DRIVE
LATHAM, NY 12110
ATTN: KIRK MOLINE

[illegible]

PAYMENT DUE ON RECEIPT. FINANCE CHARGE OF 2% PER MONTH (24% ANNUALLY) WILL BE APPLIED ON ALL INVOICES OVER 30 DAYS.

C.T. MALE ASSOCIATES

Engineering, Surveying, Architecture, Landscape Architecture & Geology, D.P.C.

50 Century Hill Drive, Latham, NY 12110
518.786.7400 FAX 518.786.7299 www.ctmale.com



Draft July 31, 2020

Final August 18, 2020

Mr. Don Austin, Administrator
Clifton Park Water Authority
661 Clifton Park Center Road
Clifton Park, NY 12065

Re: *Proposal for Professional Engineering Services
Vischer Ferry Preserve Water Supply Investigation*

Dear Don:

We are pleased to present the following proposal for professional engineering services for the investigation of additional water supply capacity at the existing Vischer Ferry Preserve Wells site.

In preparation of this proposal, we have reviewed historical information in our files regarding the installation of the existing wells, site plan for the Vischer Ferry Preserve (Preserve), and information related to previous permitting efforts associated with drilling wells along the Mohawk River in the Preserve. Additionally, we also arranged and participated in a conference call with the Glens Falls District Office of the NYS Department of Health (DOH) to have a preliminary discussion about the installation of shallow wells along the bank of the Mohawk River specifically meant to draw water from the River. Based on our initial research and discussion with DOH, we have presented below a scope of services for an initial investigation into the feasibility of installing drinking water wells along the Mohawk River. The well(s) would be pumped to the Boyack Road Water Treatment Plant for treatment prior to distribution.

Scope of Services

Task 1 – Test Wells

1. Drill two (2) test wells in the Preserve along the bank of the Mohawk River. The wells will be drilled by a DOH certified well driller. The anticipated depths of the wells are 30-35 feet below ground surface.
2. Based on review of the previous project files, the 2 areas for the test wells are: south of OB-4; and the area of OB-13 (see map attached). The test well will be 8-inches in diameter with a 10-foot section of telescoped well screen. Eight-inch diameter wells are planned to allow for a larger submersible to be installed as compared to a 6-inch diameter well.

C.T. MALE ASSOCIATES

August 18, 2020

Mr. Don Austin

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Task 2 – Pump Tests and Sampling

Upon successful installation of the test wells, a pump test and water quality sampling will be performed to determine if the well locations are appropriate for new well supplies in adequate capacity and of sufficient quality. *This work will be conducted by CPWA staff, with 10 hours of oversight by C.T. Male staff geologists.*

1. Conduct pumping tests of each new test well for approximately 2 to 3 weeks. Water level pressure/temperatures will be deployed in the pumping wells, the river (temporary staff gauge) and several other existing wells with the Preserve to evaluate aquifer characteristic and infiltration from the river. *C.T. Male will provide CPWA with the water level and temperature sensors. CPWA will perform the well tests.*
2. Water samples from each test well and the river would be collected at the start of each pumping test and twice per week thereafter during the pumping period. These samples would be analyzed for Iron, Manganese, Total Dissolved Solids, pH, Hardness and Alkalinity. *CPWA will perform the sampling.*
3. Prior to shut down of the pumping tests, samples from each well will be collected for full NYSDOH Part 5 and PFAS analyses. *CPWA will perform the sampling.*

Task 3 – Hydrogeologic Data Review and Reporting

1. Prepare a report detailing the results of the test wells pump testing and water quality sampling. Water level data from the test wells, monitoring wells and river, and the water quality results for groundwater and river will be utilized to evaluate hydraulic connection between the aquifer and river.
2. Analysis of required changes or upgrades to the Boyack Road Water Treatment Plant to accommodate the new well(s). Note that this effort will only be undertaken if the wells look to be suitable as production well locations.

Task 4 – Capacity Increase Alternatives Report

1. Prepare a report that identifies 3-4 alternatives for increasing the water supply capacity of CPWA. One of the alternatives will likely be drilling additional well(s) in the Preserve.
2. The report shall identify the feasibility of the alternatives presented and shall include budget level cost opinions.
3. The report shall also address the time horizons likely needed to implement each of the studied alternatives.

C.T. MALE ASSOCIATES

August 18, 2020

Mr. Don Austin

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4. The report shall recommend a path forward which may include a "do nothing" alternative, recommendation of a single alternative, or a phased approach potentially combining two or more alternatives.

Proposed Fees

For the above-presented scope of work, we propose the following fee schedule:

	Basis of Payment	Total Cost
Task 1 – Test Wells	Lump Sum	\$25,000
Task 2 – Pump Tests & Sampling	Lump Sum	\$1,400
Task 3 – Reporting	Lump Sum	\$7,500
Tasks 1 – 3 Total		\$33,900
Task 4 - Capacity Increase Alternatives Report	Lump Sum	TBD

Preparation of an Engineering Report detailing the alternatives to increase water supply capacity will not be authorized until the CPWA Board reviews the results of the reporting in Task 3. Upon consideration of the viability of additional wells in the Preserve, Task 4 may be authorized and a fee can be presented. The scope of work is presented herein for informational purposes at this time.

Please don't hesitate to contact me at any time at 518-848-5457 or c.kortz@ctmale.com if you have any questions regarding this proposal.

Sincerely,

C.T. MALE ASSOCIATES

Engineering, Surveying, Architecture, Landscape Architecture & Geology, D.P.C.

Charles (Chad) R. Kortz, P.E.

Vice President of Engineering & Quality

Attachment

C: Kirk Moline, P.G., C.T. Male

Don Austin

From: Don Austin
Sent: Tuesday, August 10, 2021 9:30 AM
To: Peter J. Christiano
Cc: Dahn Bull; Chad Kortz (c.kortz@ctmale.com)
Subject: RE: Clifton Park Waterline

Peter,

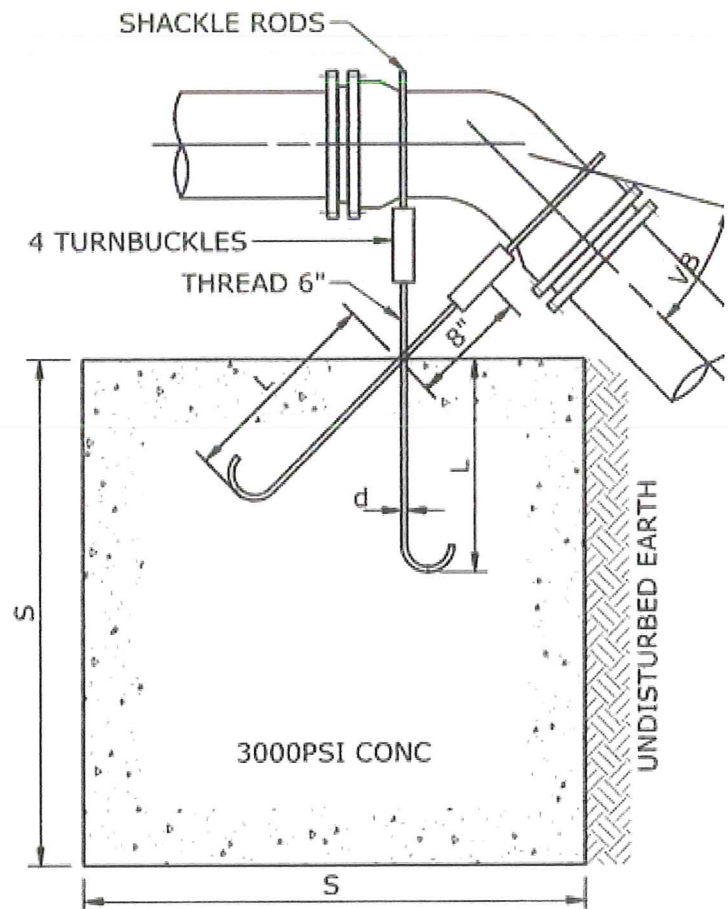
I just had a conversation with our inspector regarding the additional costs/work Carver is claiming.

It is clear that they did not interpret the thrust block detail correctly, even though it was pretty clear that the block needed to be a minimum of 218 cu. Ft. of concrete (8.07 cu. Yds.). They also did not follow the detail for the shackle rods, as they did not use shackle rods and turnbuckles as specified. They used ½" rebar bent around the pipe instead. The work done to correct the original work was also not done using the correct rods and turnbuckles, as we did not have time to wait for the correct parts, but was at least done with ¾" rebar. Here is the thrust block detail provided with the plans:

	22 1/2	316	6.8	1 1/4"	4.6
24"	11 1/4	229	6.1	1"	2.9
	22 1/2	450	7.7	1 3/8"	5.7

* FOR 60KSI THREADED REBAR

TYPE B BLOCKING FOR 45° VERTICAL BENDS				
		S	d	L
PIPE SIZE NOM DIA (INCHES)	NO. OF CU FT OF CONC BLOCKING	SIDE OF CUBE (FEET)	DIA OF SHACKLE RODS (2) *	DEPTH OF RODS IN CONC (FEET)
4"	29	3.1	3/4 "	1.6
6"	59	3.9		
8"	102	4.7		
10"	154	5.4		
12"	218	6.0	7/8 "	2.2
14"	292	6.6		
16"	378	7.2	1 1/8"	3.7
18"	478	7.8		
20"	583	8.3	1 1/4"	4.6
24"	832	9.4	1 3/8"	5.7



**TYPE B BLOCKING
FOR 45° VERTICAL BENDS**

Here is what was installed after the failure of the original work:



As you can see, this is not quite what we agreed to pay for. I'm not saying it is not acceptable, but it is not per the plan.

As for the rest of the items they are looking for reimbursement for, The Hymax couplings they originally bought were fine and would have worked had it not been for the incorrect thrust restraint install on Friday, July 30th. Once the restraint failed and the pipe moved within the coupling, the coupling was no longer usable, as the gasket was then compromised. I'll admit that the replacement couplings were of a better quality and I may consider paying the price differential between the originals and the replacements.

The additional pipe that was replaced was only necessary because of the original failure, which caused undermining of the pipe and which is solely the fault of the contractor and their misinterpretation of the detail. We will not pay for that additional work.

The contractor was required to stay late on Monday, August 2nd, but again, this all stems back to the original failure and our need to perform corrective work as quickly as possible. The contractor was forced to spend the day jackhammering out the original concrete and wasn't able to get concrete delivered until 4:30pm. By the time that was poured and allowed a couple of hours to harden before recharging the water main, it was 7pm or so.

I feel that had the thrust restraint detail been correctly interpreted by the contractor prior to starting this job, there would have been additional costs included in their proposal for the additional concrete, and for that I am willing to

reimburse. The only other item I will consider is the price difference between the original ACP to Ductile couplings and the replacements. The remainder of their claim is, in the opinion of the CT Male inspector and me, that these costs were a direct result of the contractor's failure to correctly interpret the thrust restraint detail prior to providing their proposal and starting the work.

If you have any questions regarding this response, please feel free to contact me at your convenience.

Don

Don Austin
Administrator

Clifton Park Water Authority
661 Clifton Park Center Road
Clifton Park, NY 12065
518-383-1122

From: Peter J. Christiano <pchristiano@bartonandloguidice.com>
Sent: Monday, August 9, 2021 8:18 PM
To: Don Austin <daustin@cpwa.org>
Cc: Dahn Bull <DBull@cliftonpark.org>
Subject: Fw: Clifton Park Waterline

Hi Don,
Carver sent me the email below about additional costs that they had. Was your inspector on site for the main adjustments/installation to verify? Is this something CPWA wants to consider?

Pete **Peter J. Christiano, P.E.**

Barton&Loguidice

The information in this message is confidential and is intended for the identified recipient(s). If you are not an intended recipient, please delete the message and notify the sender immediately. Any unauthorized use, disclosure or copying of this message is strictly forbidden and may be subject to legal action.

From: Ken Barth <kbarth@carvercompanies.com>
Sent: Monday, August 9, 2021 9:15:15 AM
To: Peter J. Christiano
Subject: Clifton Park Waterline

ATTENTION --> This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Pete,

Upon completion of the relocation of the waterline, we have reviewed our cost analysis that was provided and determined there has been additional cost. The concrete required was much greater than originally priced, the hymax's that we were originally quoted did not fit due to the oversized ACP, we ended up replacing some additional ACP & we were required to stay much later than expected prior to the water being turned back on. Can I resubmit a cost analysis or can I submit a new cost analysis for the additional cost? Let me know how we can proceed. Thank you

KENNETH BARTH -VICE PRESIDENT



CARVER CONSTRUCTION, INC
494 WESTERN TURNPIKE
ALTAMONT, NY 12009
PHONE (518) 355-6034 X 139
FAX (518) 356-7282
CELL (518) 376-1779
CARVERCOMPANIES.COM

This email has been scanned by the Symantec Email Security.cloud service.
For more information please visit <http://www.symanteccloud.com>

Don Austin

From: Don Austin
Sent: Tuesday, August 10, 2021 9:49 AM
To: Peter J. Christiano
Cc: Dahn Bull; Chad Kortz (c.kortz@ctmale.com)
Subject: RE: Clifton Park Waterline

Peter,

Additionally, I think it is important to note that the CPWA had additional costs incurred, as we were forced to pay overtime for employees on both Friday, July 30th, after the original failure, and again on Monday, August 2nd, for the corrective work. We were also forced to run water continuously from a fire hydrant at a rate of approximately 50 gallons per minute from 7pm on Friday, July 30th until around 8am on Thursday, August 5th, to reduce the pressure in that main after the original failure. That amounts to about 570,000 gallons of pumped and treated water that was run to waste.

I'm not looking to counter with reimbursement claims of our own, I just thought it appropriate to point this out.

Don

Don Austin
Administrator

Clifton Park Water Authority
661 Clifton Park Center Road
Clifton Park, NY 12065
518-383-1122

From: Peter J. Christiano <pchristiano@bartonandloguidice.com>
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Cc: Dahn Bull <DBull@cliftonpark.org>
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From: Ken Barth <kbarth@carvercompanies.com>
Sent: Monday, August 9, 2021 9:15:15 AM

Clifton Park Water Authority

Resolution # ___, 2021

Authorize Reimbursement for Carlton Road Repair

WHEREAS, the Clifton Park Water Authority (CPWA) had a water main break on Carlton Road in Clifton Park on June 11, 2021, and

WHEREAS, the water main break caused significant damage to the paved roadway on Carlton Road, and

WHEREAS, the Town of Clifton Park Highway Department hired a contractor to reconstruct that portion of Carlton Road including additional improvements to the road construction, and

WHEREAS, the Town of Clifton Park Highway Department requests that the CPWA reimburse 50 percent of the cost of the road reconstruction and,

WHEREAS, the CPWA Board of Directors and the CPWA Administrator agree that the reimbursement request is fair restitution for the damage caused by the water main break, now therefore be it

RESOLVED, that the CPWA Board of Directors hereby authorizes reimbursement to the Town of Clifton Park Highway Department in the amount of \$20,790.12, which represents 50 percent of the total amount billed by the contractor to the Highway Department for reconstruction of the portion of Carlton Road damaged by the water main break on June 11, 2021

Motion By: _____

Seconded By: _____

Roll Call Vote:

	<u>Ayes</u>	<u>Noes</u>
Mr. Gerstenberger	_____	_____
Mr. Ryan	_____	_____
Mr. Taubkin	_____	_____
Mr. Butler	_____	_____
Ms. Osborne	_____	_____

TOWN OF CLIFTON PARK HIGHWAY DEPARTMENT

Customer

Misc

Payment

Tax Rate(s)

639 CLIFTON PARK CENTER ROAD
CLIFTON PARK, NY 12065

COST ANALYSIS

CALLANAN IND., INC.

DATE: 6/24/21

CONTRACT: Clifton Park- 2021 Paving- Carlton Road

Cost Analysis: Carlton Road- 6/14/21-6/15/21

QNTY: 1.0 LS

Unit Cost Submitted: **\$41,580.25 LS**

Total Cost: \$41,580.25

SUMMARY

1. DIRECT WAGES	\$3,128.65	PAYROLL TAXES	
2. PREMIUM WAGES	\$1,034.21	FICA	7.65
3. TOTAL WAGES	\$4,162.86	WK COMP	23.77
4. PR TAX (Fica,WC,UnEmp)	\$1,745.07	NY UNEMPL	9.9
5. PR TAX (Liab, Disab)	\$355.92	FED UNEMPL	0.6
6. FRINGE BENEFITS	\$2,440.45	LIABILITY	8.55
7. EQUIPMENT	\$3,610.00		
8. MATERIALS	\$16,904.56		
9. SERVICES	\$5,663.04	TOTAL	0.5047
10. P & O 20% (1,4,6,7,8 & 9)	\$6,698.35		
TOTAL COST	\$41,580.25		

LABOR

CLASS	# MEN	ST	OT	TOT	WAGE	FRINGE	DIRECT	PREMIUM	TOTAL	FRINGE BENEFITS
Richard C		9.5	5.0	14.5	\$46.27	\$28.45	\$439.57	\$347.03	\$786.59	\$412.53
Miguel S		1.5	2.0	3.5	\$46.27	\$28.45	\$69.41	\$138.81	\$208.22	\$99.58
John A		8.0	0.5	8.5	\$45.36	\$28.45	\$362.88	\$34.02	\$396.90	\$241.83
Darryl G		8.0	0.5	8.5	\$46.27	\$28.45	\$370.16	\$34.70	\$404.86	\$241.83
Sean H		8.0	0.5	8.5	\$45.36	\$28.45	\$362.88	\$34.02	\$396.90	\$241.83
Kevin K		8.0	2.0	10.0	\$43.50	\$24.49	\$346.00	\$130.50	\$476.50	\$244.90
Adam M		8.0	1.5	9.5	\$33.50	\$24.49	\$268.00	\$75.38	\$343.38	\$232.66
Billy P		8.0	2.0	10.0	\$46.27	\$28.45	\$370.16	\$138.81	\$508.97	\$284.50
Scott S		8.0	0.5	8.5	\$33.50	\$24.49	\$268.00	\$25.13	\$293.13	\$208.17
Douglas Y		8.0	1.5	9.5	\$33.70	\$24.49	\$269.60	\$75.83	\$345.43	\$232.66
TOTAL LABOR:					\$3,128.65	\$1,034.21	\$4,162.86	\$2,440.45		

EQUIPMENT

DESCRIPTION	# UNITS	R.A.F	COST	UNIT MEASURE	QNTY	AMOUNT
Pickup with tools	3	1	\$15.00	HRS	18	\$270.00
HD10 Roller	1	1	\$25.00	HRS	8	\$200.00
Kubota Skidsteer	1	1	\$35.00	HRS	8	\$280.00
W200 Wirtgen Miller	1	1	\$350.00	HRS	2	\$700.00
Roadtec Paver	1	1	\$225.00	HRS	8	\$1,800.00
HD140 Roller	1	1	\$45.00	HRS	8	\$360.00
TOTAL EQUIPMENT:						\$3,610.00

MATERIALS

DESCRIPTION	QNTY	U/M	U/C	AMOUNT
37.5mm Base Asphalt	247.4	TON	\$48.42	\$11,979.11
19mm Binder Asphalt	82.61	TON	\$50.21	\$4,147.85
Crusher Run Stone	103.68	TON	\$7.50	\$777.60

TOTAL MATERIAL: \$16,904.56

SERVICES

DESCRIPTION	QNTY	U/M	U/C	AMOUNT
Trucking-Stone and Asphalt	23.75	HRS	\$102.50	\$2,434.38
Equipment Moves (see attached invoices)	1	LS	\$3,228.66	\$3,228.66

TOTAL MATERIAL \$5,663.04

NOTE:



898 State Route 143 Ravena, NY 12143

Phone/Fax

(P) 518-756-2070
(F) 518-765-8940

Web

service@collinsandsoninc.com
www.collinsandsoninc.com

Bill To:

Callanan Industries, Inc.
PO Box 610
Thornville, OH 43076

INVOICE#CL061421

INVOICE DATE	TODAY'S DATE	TRUCK #	DRIVER #	AGENCY CODE	INITIALS
6/14/21	6/16/21	LOWBOY2	7	CALLANANLB	KEC

# MOVES	DESCRIPTION	UNIT PRICE	TOTAL
2	Emergency call – Picked up miller on 1700 block Western Ave. and brought to Clifton Park. Picked up roller at 11E on I90 and brought to Clifton Park.	\$1,300.00	\$1,300.00

Please make checks payable to Collins & Son, Inc.
Thank you.

SUBTOTAL \$1,300.00

TOLLS \$0.00

PERMITS \$0.00

TOTAL DUE \$1,300.00

For Office Use Only

Submitted for Payment_____

Thank you for your business!

Colossians 3:23 "And whatever you do, do it heartily, as unto the Lord and not man."



898 State Route 143 Ravena, NY 12143

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(P) 518-756-2070
(F) 518-765-8940

Web

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www.collinsandsoninc.com

Bill To:

Callanan Industries, Inc.
PO Box 610
Thornville, OH 43076

INVOICE#CL061421A

INVOICE DATE	TODAY'S DATE	TRUCK #	DRIVER #	AGENCY CODE	INITIALS
6/14/21	6/16/21	LOWBOY1	3	CALLANANLB	KEC

# MOVES	DESCRIPTION	UNIT PRICE	TOTAL
1	Emergency call – Picked up paver at Western Ave. and brought to Clifton Park.	\$800.00	\$800.00

Please make checks payable to Collins & Son, Inc.
Thank you.

SUBTOTAL \$800.00

TOLLS \$0.00

PERMITS \$0.00

TOTAL DUE \$800.00

For Office Use Only

Submitted for Payment_____

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Bill To:

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PO Box 610
Thornville, OH 43076

INVOICE#CL061521B

INVOICE DATE	TODAY'S DATE	TRUCK #	DRIVER #	AGENCY CODE	INITIALS
6/15/21	6/16/21	LOWBOY1	3	CALLANANLB	KEC

# MOVES	DESCRIPTION	UNIT PRICE	TOTAL
1	Demobilized roller from Clifton Park and mobilized to E11 on I90.	\$525.00	\$525.00
<i>Please make checks payable to Collins & Son, Inc. Thank you.</i>		SUBTOTAL	\$525.00
		TOLLS	\$0.00
		PERMITS	\$0.00
		TOTAL DUE	\$525.00

For Office Use Only

Submitted for Payment_____

Thank you for your business!

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PO Box 610
Thornville, OH 43076

INVOICE#CL061521A

INVOICE DATE	TODAY'S DATE	TRUCK #	DRIVER #	AGENCY CODE	INITIALS
6/15/21	6/16/21	LOWBOY2	7	CALLANANLB	KEC

# MOVES	DESCRIPTION	UNIT PRICE	TOTAL
1	Demobilized paver 26 from Clifton Park and mobilized to 1700 block Western Ave.	\$600.00	\$600.00
<i>Please make checks payable to Collins & Son, Inc. Thank you.</i>		SUBTOTAL	\$600.00
		TOLLS	\$3.66
		PERMITS	\$0.00
		TOTAL DUE	\$603.66

For Office Use Only

Submitted for Payment _____

Thank you for your business!

Colossians 3:23 "And whatever you do, do it heartily, as unto the Lord and not man."