

## MEMORANDUM

**To** : Marcus Serrano  
Village Administrator

**From** : George E. Pommer, P.E.  
James J. Hahn Engineering, P.C.

**Dated** : July 14, 2022

**Subject** : Change Order #1  
N.Y.S. Route 9A Sidewalk Improvements Project  
NYSDOT Permit # 2021.08.93782  
Village of Buchanan

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Attached for your review and approval, please find a copy of Change Order #1, dated July 6, 2022, in the amount of \$5,952.82 for the referenced project.

Based on Consolidated Edison's inability to relocate an existing 12-inch gas transmission main for the installation of the drainage as shown on the New York State Department of Transportation's (NYSDOT) approved plan, modifications to the site work as proposed were required as shown below.

- As directed by the NYSDOT furnishing and installing a box beam guide rail and the addition of posts to the existing box beam guide rail to reduce the deflection zone between the back of the guide rail and path of travel along the sidewalks. Consolidated Edison will remove and relocate the existing utility pole located at STA 1+05.
- Additional costs also include labor and material to install an asphalt buffer strip as required by the NYSDOT for snow storage and reduced maintenance. There is a reduction in asphalt base and binder along the roadway from reducing the limits of saw cutting for the installation of concrete curbs.
- Chain link fence along the existing stone retaining wall was provided in lieu of guardrail.
- Additional work required for supplying and installing a 16-inch ductile iron pipe as directed by the NYSDOT. 16-inch ductile iron pipe will only be used in the roadway between the two catch basins, in lieu of the bid item 603.9815 for 15-inch HDPE drainage pipe. There is a reduction in the original bid item for 15-inch HDPE drainage pipe material.

**Marcus Serrano**  
**N.Y.S. Route 9A Sidewalk Improvements Project**  
**Change Order #1**  
**July 14, 2022**  
**Page 2**

Other miscellaneous associated items are also included as shown in the attached.

We have reviewed and evaluated the attached costs and have no objection to the Change Order being approved by the Village.

If there are any questions or comments, please do not hesitate to contact me at your earliest convenience.



GEP:EG

Enclosure

cc: Eduardo Gonzalez, James J. Hahn Engineering, P.C. ([egonzalez@hahn-eng.com](mailto:egonzalez@hahn-eng.com))  
Paul Volpicelli, James J. Hahn Engineering, P.C. ([pvolpicelli@hahn-eng.com](mailto:pvolpicelli@hahn-eng.com))  
Cindy Kempter, Village Clerk ([ckempter@villageofbuchanan.com](mailto:ckempter@villageofbuchanan.com))  
Pasquale Carino, ConTech Construction ([pcarino@contechconstruct.com](mailto:pcarino@contechconstruct.com))  
Lauren Cole, ConTech Construction ([lcole@contechconstruct.com](mailto:lcole@contechconstruct.com))

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**CHANGE ORDER NO. 1**  
**July 6, 2022**

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**PROJECT:** N.Y.S. Route 9A Sidewalk Improvements Project  
NYSDOT Permit # 2021.08.93782  
Village of Buchanan

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**CONTRACTOR:** Con-Tech Construction Technology, Inc.

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**TO:** Pasquale Carino, Vice President

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You are directed to make the following changes to the referenced project. The work should be paid for as per the prices shown below.

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**DESCRIPTION:**

The work includes additional costs for 16-inch ductile iron pipe required by the NYSDOT along the road shoulder between catch basin No.1 and No.2. There is a reduction in the original bid item for 15-inch HDPE drainage pipe material. As indicated on SK-1 and as directed by the NYSDOT furnish and install a box beam guide rail and addition of posts to the existing box beam guide rail, additional labor and material to install an asphalt buffer strip as required by the NYSDOT for snow storage, and reduction in asphalt base and binder. The work also includes chain link fence along the existing stone retaining wall. The changes mentioned above are due to Con-Ed utility conflicts. All work is to be completed in accordance with the Contract Documents.

**COST SUMMARY:**

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<u>DESCRIPTION OF WORK</u>	<u>UNIT COST</u>	<u>COST EXTENSION</u>
Contractor CO#2 Supply and install 16-inch DIP between catch basins 1 and 2 along the west side of NYSDOT Route 9A.	\$269.57 per FT x 20 FT	\$ 5,391.40
Credit – Bid Item 603.9815 - 22 FT of HDPE	\$64.00 per FT x 22 FT	(\$ 1,408.00)
Contractor CO#4 – 607.3204 Furnish and install 4' high chain link Fence, vinyl coated, black, schedule 40 posts, 6 Gauge fabric.	\$154 per LF x 60 LF	\$ 9,239.77

**Change Order No. 1**  
**N.Y.S. Route 9A Sidewalk Improvements Project**  
**NYSDOT Permit # 2021.08.93782**  
**Village of Buchanan**  
**July 6, 2022**

<u>DESCRIPTION OF WORK</u>	<u>UNIT COST</u>	<u>COST EXTENSION</u>
Contractor CO#5 – Furnish and install additional box beam guide rail with 3' post spacing	\$309.31 per FT x 17 FT	\$ 5,258.25
Contractor CO#5 - Reinstall existing box beam guide rail, With 3' post spacing	\$139.55 per FT x 63 FT	\$ 8,791.40
Furnish and install posts per SK-1, 3-FT On center on existing guide rail, STA 0+65 to 1+00	LS	\$ 3,031.19
Credit – Bid Item 606.10 Box Beam Guide Railing	\$178.00 per FT x 93 FT	(\$ 16,554.00)
Credit – Bid Item 606.73 Removing and Disposing Box Beam Guide Railing	\$13.00 per FT x 47 FT	(\$ 611.00)
402.098103 Asphalt Buffer Strip in lieu of Grass Buffer Strip	\$250.00 per TON X 11 TON	\$ 2,750.00
304.12, 6" Base material for asphalt buffer Strip	\$99.00 per CY x 14 CY	\$1,386.00
Credit – 402.198903 Binder	\$250.00 per TON X 20 TON	(\$5,000.00)
Credit – 402.378903 Base	\$220.00 per TON X 65 TON	(\$14,300.00)
Contractor CO#6 – Additional shoring And excavation support for underground And pole utilities, as well as hand digging Along utilities.	LS	\$ 1,761.60
Contractor CO#6 – Mobilize large Equipment and furnish and install CB #1 and CB #2	LS	\$ 6,216.21

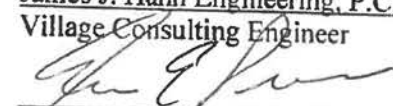
Change Order No. 1  
N.Y.S. Route 9A Sidewalk Improvements Project  
NYSDOT Permit # 2021.08.93782  
Village of Buchanan  
July 6, 2022

TOTAL COSTS	\$ 43,825.82
TOTAL CREDITS	(\$ 37,873.00)
TOTAL COST OF CHANGE ORDER:	\$ 5,952.82

**NEW CONTRACT PRICE:**

Contract price prior to this Change Order:	\$ 294,460.00
Increase resulting from this Change Order:	\$ 5,952.82
New Contract price including this Change Order:	\$ 300,412.82

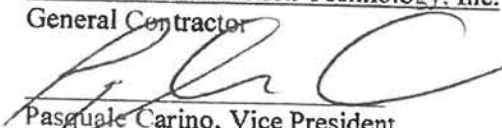
The above changes are recommended for approval:

By: James J. Hahn Engineering, P.C.  
Village Consulting Engineer  
  
George E. Pommer, P.E.  
Dated: 7/6/2022

The above changes are accepted:

By: Village of Buchanan  
Marcus Serrano  
Village Administrator  
Dated: \_\_\_\_\_

The above changes are accepted:

By: Con-Tech Construction Technology, Inc.  
General Contractor  
  
Pasquale Carino, Vice President  
Dated: 7/6/22

# Con-Tech Construction Technology, Inc.

1961 Route 6 – Suite R-3  
Carmel, 10512

WBE

Phone: (914) 455-3100

To: James J. Hahn Engineering  
1689 Route 22 - Brewster, NY 10509

Date: July 1, 2022

Attn: Paul Volpicelli  
[pvilicelli@hahn-eng.com](mailto:pvilicelli@hahn-eng.com)

Re: NYS Route 9A Sidewalk Improvement Project, Village of Buchanan  
NYS DOT Permit # 2021.08.93782

REVISED Change Order # 2 – Cost to Furnish & Install 16" DIP Class 52 & Reimbursement for 15" HDPE

## 20 LF of Material In Lieu of Item 603.9815 15" HDPE

### Labor

Foreman	3.5 hours	x	\$ 106.58 per hour	=	\$ 373.03
Operator	3 hours	x	\$ 128.84 per hour	=	\$ 386.52
(2) Laborers	3 hours/each	x	\$ 98.19 per hour	=	\$ 589.14
(2) Flaggers	3 hours/each	x	\$ 88.40 per hour	=	\$ 530.40
					<b>\$ 1,879.09</b>

### Equipment

Support Vehicle	4.5 hours	x	\$ 44.95 per hour	=	\$ 202.28
Komatsu PC78 Excavator	3.5 hours	x	\$ 65.30 per hour	=	\$ 222.25
					<b>\$ 347.83</b>

### Material

20 LF	16" DIP Class 52	x	\$ 110.00/ft	=	\$ 2,200.00
1 EA	Freight	x	\$ 105.00	=	\$ 105.00
					<b>\$ 2,305.00</b>

DIP Total: **\$ 4,531.92**

15% Profit & Overhead & 3% Bonding Fee: **\$ 859.48**

**\$ 5,391.40**

\$5,391.40 / 20 Linear Feet of 16" DIP = \$ 269.57

BID: \$ 267.57 per Linear Feet

*Note\* Per direction from EIC, the 30 LF of unused HDPE has been factored into this change order\**

Initial for Acceptance:

PC

Pasquale Carino

Hahn Engineering

# Con-Tech Construction Technology, Inc.

1961 Route 6 – Suite R-3  
Carmel, 10512

WBE

Phone: (914) 455-3100

Date: May 24, 2022

To: James J. Hahn Engineering  
1689 Route 22 - Brewster, NY 10509

Attn: Paul Volpicelli  
[pvillicelli@hahn-eng.com](mailto:pvillicelli@hahn-eng.com)

Re: NYS Route 9A Sidewalk Improvement Project, Village of Buchanan  
NYSDOT Permit # 2021.08.93782

Change Order #5 – Furnish & Install Box Beam Guide Rail and Reset Existing Guide Rail

Change Order #5 – Furnish & Install Box Beam Guide Rail (Mohegan Associates, Inc)

Item#	Description	Qty	Cost	Total
606.10	ADD. Box Beam Guide Rail Reduced Post Spacing, 3' on Center	17 LF x	\$260.00	= \$4,420.00
NA	Reset Existing BBGR w/ New Posts, Reduced Post Spacing 3' on Center	63 LF x	\$117.30	= \$7,389.90
				<b>\$11,809.90</b>

Total: \$11,809.90  
3% Bond Fee: \$354.30  
10% Profit: \$1,216.42  
5% OH: \$669.03  
Overall Total: **\$14,049.65**

**Notes:**

- Reduced Space Back Up Posts Do Not Get Connected to Box Beam
- Unused Item # 606.10 - Box Beam Guide Railing - 93 LF (\$16,554.00)
- Unused Item # 606.73 – Removing & Disposing BBGR – 47 LF (\$611.00)

Initial for Approval

PC  
Pasquale Carino

\_\_\_\_\_  
Hahn Engineering

Should you have any questions please feel free to contact Antonietta Carino directly at 914-403-1243

Regards,  
Pasquale Carino  
Vice President

# Con-Tech Construction Technology, Inc.

1961 Route 6 - Suite R-3  
Carmel, 10512

WBE

Phone: (914) 455-3100

Date: April 18, 2022

To: James J. Hahn Engineering  
1689 Route 22 - Brewster, NY 10509

Attn: Paul Volpicelli  
[pvilicelli@hahn-eng.com](mailto:pvilicelli@hahn-eng.com)

Re: NYS Route 9A Sidewalk Improvement Project, Village of Buchanan  
NYSDOT Permit # 2021.08.93782

Change Order #5 - Cost to Perform Changes on Drawing SK- 1 2022-03-21

Change Order #5 - Furnish & Install Box Beam Guide Rail (Mohegan Associates, Inc)

Item#	Description				
<del>606.10</del>	<del>Box Beam Guide Rail Reduced Post Spacing</del>	<del>80 LF</del>	x	<del>\$210.60</del>	= <del>\$16,848.00</del>
NA	Reduced Space Back Up Posts	9 EA	x	\$291.60	= \$2,624.40

~~\$19,472.40~~

Total: \$19,472.40

10% Profit: \$1,947.24

5% Profit: ~~\$1,070.98~~

Overall Total: ~~\$22,490.62~~

Initial for Approval

PC

Pasquale Carino

Hahn Engineering

Should you have any questions please feel free to contact us.

Regards,  
Pasquale Carino  
Vice President



## Con-Tech Construction Technology, Inc.

1961 Route 6 - Suite R-3  
Carmel, 10512

WBE

Phone: (914) 455-3100

Date: April 22, 2022

To: James J. Hahn Engineering  
1689 Route 22 - Brewster, NY 10509

Attn: Paul Volpicelli  
[pvolpicelli@hahn-eng.com](mailto:pvolpicelli@hahn-eng.com)

Re: NYS Route 9A Sidewalk Improvement Project, Village of Buchanan  
NYSDOT Permit # 2021.08.93782

REVISED Change Order # 4 - Cost to Perform Changes on Drawing SK- 1 2022-03-21

Change Order #4 - Furnish & Install 60 LF of CLF

Price Includes: Labor, Material & Equipment

4' Ft Tall Black Vinyl Chain Link Fence, Posts Every 6' Ft on Center, Top & Bottom Rail  
(Commercial Grade Material)

60 LF x \$133.33 per LF = \$7,999.80

Total: \$ 7,999.80  
10% Profit: \$799.98  
5% Overhead: \$439.99  
Overall Total: **\$9,239.77**

Initial for Approval

PC

Pasquale Carino

Hahn Engineering

Should you have any questions please feel free to contact us.

Regards,  
Pasquale Carino  
Vice President

# Con-Tech Construction Technology, Inc.

1961 Route 6 - Suite R-3  
Carmel, 10512

WBE

Phone: (914) 455-3100

Date: May 18, 2022

To: James J. Hahn Engineering  
1689 Route 22 - Brewster, NY 10509

Attn: Paul Volpicelli  
[pvolpicelli@hahn-eng.com](mailto:pvolpicelli@hahn-eng.com)

Re: NYS Route 9A Sidewalk Improvement Project, Village of Buchanan  
NYS DOT Permit # 2021.08.93782

Change Order #6 - Additional Cost for Catch Basin Relocations

## Change Order #6 - Additional Cost for Catch Basin Relocations

As drainage structures had to be relocated due to existing conditions and utilities, additional work will be needed to perform the task of installation.

Additional dry stonewalls had to be removed and rebuilt to allow 15" drainpipe day light. As underground duct pipe has been found during test pit excavation, the pipe has been lowered to pass area, causing the necessity for a large and deeper drainage structure at the southern location. This will cause a need for additional furnish and installation of shoring for the additional excavation. The increased size of the structure has caused the weight of the structure to increase from designed weight of approximately 7,500 lbs. to 14, 200 lbs., which will create the need for a larger piece of equipment to off load and set. A lowboy trailer, teamster and permits for mobilization are required to facilitate the operation.

The additional quantities needed to complete the stone wall reconstruction - can be paid with quantity Pay Item 560.06 'Rubble Stone Masonry Laid Dry', plus the cost for removal utilizing Labor, Equipment and materials needed, as listed.

### Additional Cost to Remove Section of Stone Wall for Relocated Pipe

<del>Labor</del>					
(1) Operator	2 Hours/Each	x	\$128.84 per hour	=	\$257.68
(2) Laborers	2 Hours/Each	x	\$98.19 per hour	=	\$392.76
					<b>\$650.44</b>
<b>Equipment</b>					
Komatsu PC 88 Excavator	2 Hours/Each	x	\$71.74 per hour	=	\$143.48
					<b>\$143.48</b>
					<b>Total: \$793.92</b>

Use bid item 560.06, Rubble  
Stone Masonry Laid Dry

**Additional Cost for Trench & Culvert Excavation**

Additional Cost for Trench & Culvert Excavation – Can be paid with Pay Item 206.0201 'Trench & Culvert Excavation (CB's & HDPE)', plus cost for additional shoring, if required only. Estimated Time, Equipment & Materials.

**Labor**

(1) Operator	2 Hours/Each	x	\$128.84 per hour	=	\$257.68
(2) Laborers	2 Hours/Each	x	\$98.19 per hour	=	\$392.76
(1) Foreman	2 Hours/Each	x	\$106.58 per hour	=	\$213.16

**\$ 863.60**

**Equipment**

Support Vehicle	2 Hours/Each	x	\$37.40 per hour	=	\$74.80
PC 238 Excavator	2 Hours/Each	x	\$93.75 per hour	=	\$187.50

**\$262.30**

**Material**

Timber	1 Lump Sum	x	\$400.00	=	\$400.00
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**\$400.00**

**Total: \$1,525.19**

**Additional Cost for Large Equipment Needed, Including Mobilization & Demobilization**

Additional Cost for Structures – Can be paid with Quantity used as per Pay Item 604.301873 'Rectangular Drainage Structure (CB1 & CB2)', plus the cost of materials for already approval submittals by Hahn and Not NYSOT.

**Sub-Contractor**

Kevin's Heavy Truck Repair – Lowboy Service Permit Move Komatsu PC 238 Excavator from Patterson Yard to site, then back to Patterson Yard

8 Hours/ Each	x	\$185.00 per hour	=	\$1,480.00	
Overweight Permit	1 Lump Sum	x	\$300.00	=	\$300.00

**\$1,780.00**

**Equipment**

Komatsu PC 238 Excavator	8 Hours/ Each	x	\$93.75 per hour	=	\$750.00
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**\$750.00**

**Material**

(1) CB #1, 34" x 46" x 4'-9" ID, 8" Base & 6" Walls	x	\$777.00	=	\$777.00	
(1) CB #2, 34" x 46" x 7'-2" ID, 8" Base & Walls	x	\$1,175.00	=	\$1,175.00	
Delivery Charge	1 Load	x	\$900.00	=	\$900.00

**\$2,852.00**

**Total: \$5,382.00**

Material/Equipment: \$5,382.00

10% O: \$538.20

5% P: \$296.01

Total: \$6,216.21

Extended Total: \$7,701.82

10% Profit: \$770.18

5% Profit: \$423.60

Overall Total: \$8,895.60

Note \* Unused Pay Items Will be Stated in Corresponding Requisition \*

Initial for Approval

PC

Pasquale Carino

Hahn Engineering

Should you have any questions please feel free to contact us.

Regards,

Pasquale Carino, Vice President