



TOWNSHIP OF WEST ORANGE

25 LAKESIDE AVENUE, WEST ORANGE, N.J. 07052

DEPARTMENT OF PUBLIC WORKS

ROBERT D. PARISI

Mayor

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LEONARD R. LEPORE

Director, Municipal Engineer

June 8, 2022

Mayor and Township Council
Municipal Building
66 Main Street
West Orange, New Jersey 07052

**RE: MA-2020 Arverne Road, Crestmont Road (portion) and
Westover Terrace (portion)
CHANGE ORDER NO. 1
CIFELLI AND SON, GENERAL CONTRACTING**

Mayor Parisi, Council President McCartney and Council Members,

The contract Street Improvements, MA-2020 Arverne Road, Crestmont Road (portion) and Westover Terrace (portion) Improvement Project with Cifelli and Son General Contracting of Nutley, NJ consists of hot mix asphalt pavement milling and resurfacing, curb replacement, driveway aprons, ADA accessible curb ramps and minor drainage improvements such as storm drain inlet retrofitting with the installation of curb pieces and bicycle safe grates for compliance with NJDEP stormwater management regulations. During the design process there was no indication that the existing sump pump drains were discharging directly and/or in close proximity to the roadway. Therefore, our office did not anticipate the need to include the construction of sump pump lines, underdrains, inlets and excavation associated with these items. In addition, the Asphalt Cement and Fuel Price Index has been escalating at a high percentage in a biweekly and monthly basis since the project was awarded on December 14, 2021.

However, during curb construction operations, it was revealed that a substantial amount of existing sump pump drains and underdrains need to be constructed and connected to our existing storm sewers to prevent future ponding and add to the longevity of the roadways. In our experience when sump pump lines discharge to the street there is usually a visual indicator at the curb line or edge of the roadway. As a result, this work is being considered an unforeseen change order.

The original contract amount was \$873,652.41. I estimated that it will cost an additional \$159,266.83 to account for the required drainage improvements and Asphalt Cement and Fuel Price index using current prices. I recommend an additional \$159,266.83 be authorized as Change Order No. 1 to reflect the supplemental items needed in the contract for drainage improvements as well as the increase associated with the asphalt cement and fuel price index. This Change Order brings the contract amount to \$1,032,919.24.

Attached, please find Change Order No. 1 with Cifelli and Son, General Contracting in the amount of \$159,266.83 along with a Resolution authorizing the same including a list of the supplemental items for drainage improvements and fuel and asphalt price adjustment calculations supporting the request. When the project is completed later this month; there will be a detail account of all as-built quantities.

If you have any questions, please contact me.

Very truly yours,

Leonard R. Lepore

Leonard R. Lepore, Municipal Engineer
Director of Public Works

LRL/zyc

Cc: John Gross
Ken Kayser
Cifelli & Son

SUPPLEMENTAL ITEMS

DATE: June 8, 2022

CONTRACTOR: CIFELLI & SON GENERAL CONTRACTING, INC.
81 FRANKLIN AVENUE
NUTLEY, NJ 07110

2020 ROAD IMPROVEMENTS PROJECT ARVERNE ROAD, CRESTMONT ROAD AND WESTOVER TERRACE

Date Awarded: 12/14/2021		Contract Amount			\$873,652.41
ITEM NO.	DESCRIPTION	QUANTITY	UNIT	PRICE	AMOUNT
74s	Inlet, Type B, Precast	3	UNIT	\$3,000.00	\$9,000.00
75s	Rock Excavation, Storm Sewer	100%	LS	\$7,128.00	\$7,128.00
76s	4 Inch PVC Schedule 40 Sump Pump Line	264	LF	\$45.00	\$11,880.00
77s	6" Perforated Drainwith Clean Stone, Cleanout Box and Connections 98 Arverne Road to Dead End, 400 LF, 9 Arverne Road to 17 Arverne Road, 15 Arverne Road	1	LS	\$50,666.00	\$50,666.00
78s	Drain w/ Rip Rap 98 Arverne Road	1	LS	\$9,200.00	\$9,200.00
79s	Rock Excavation, Sanitary Sewer	100%	L.S.	\$7,675.00	\$7,675.00
80s	Type B Inlet Reconstruct with Driveway Access Plate	3	UNIT	\$2,565.00	\$7,695.00
81s	3/4" Clean Stone Underneath and Behind Curb	50.11	TONS	\$28.00	\$1,403.08
SUB-TOTAL AMOUNT					\$104,647.08



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MAYOR

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FUEL PRICE ADJUSTMENT CALCULATION FOR ARVERNE ROAD, CRESTMONT ROAD & WESTOVER TERRACE

Asphalt Index:

MF = \$ 5.46 – PRICE DURING INSTALLATION (JUNE 2022)

T = 1,742 TON (HMA 12.5M64)– BASED ON CONTRACT AMOUNT

T = 0 TON (HMA 19M64)

T_{total} = 1,742 TON

HMA MILLING, 3" OR LESS = 13,168 SY– BASED ON CONTRACT AMOUNT

BF = \$ 3.30 – BID OPENING IN NOVEMBER 2021, (OCTOBER 2021 PRICE)

HMA SURFACE COURSE= 1,742 TON * 2.5 GAL/TON = 4355 GAL

HMA MILLING, UNCLASSIFIED DEPTH= 13,168 SY * 0.25 GAL/SY= 3292 GAL

7647 GAL

EQUATION USED: $F = (MF - BF) \times G$

WHERE:

F= FUEL PRICE ADJUSTMENT (FPA)

MF= MONTHLY FPA

BF = BASIC FPA

G= GALLONS OF FUEL FOR PRICE ADJUSTMENT

$F = (MF - BF) \times G$

$F = (\$5.46 - \$3.30) \times (7647 \text{ GAL}) = \underline{\$16,517.52}$

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ASPHALT PRICE ADJUSTMENT CALCULATION FOR ARVERNE ROAD, CRESTMONT RD & WESTOVER TERRACE

Asphalt Index:

MA = \$ 750.00 – PRICE DURING INSTALLATION (JUNE 2022)

T = 1,742 TON (HMA 12.5M64) – BASED ON CONTRACT AMOUNT

T = 0 TON (HMA 19M64)

T_{total} = 2000 TON

BA = \$ 513.00 – BID OPENING IN November 2021, (October 2021 PRICE)

% BINDER = 5.00%

EQUATION USED: $A = (MA - BA) \times T$

WHERE:

A= ASPHALT PRICE ADJUSTMENT (API)

MA= MONTHLY API

BA = BASIC API

T= TONS OF NEW BINDER

$A = (MA - BA) \times T$

$A = (\$750 - \$513) \times (1,742 \text{ TON} * 5.00\%) = \underline{\underline{\$20,642.70}}$

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