RESOLUTION NO. ____ May 17, 2022

A RESOLUTION AUTHORIZING CONTRACT AWARD FOR CONSTRUCTION OF PEDESTRIAN SAFETY AND INTERSECTION IMPROVEMENTS AT THE INTERSECTION OF FAIRVIEW AVENUE & GREEN STREET AND ALLOCATION OF FUNDS

WHEREAS, the intersection of Fairview Avenue and Green Street (aka US Route 9 and NY Route 23B) is located on a busy Truck Route that accommodates a high volume of traffic as documented in a recently published City of Hudson Truck Traffic Study; and

WHEREAS, the intersection of Fairview Avenue and Green Street also experiences a significant amount of pedestrian traffic with a convenience store located at the intersection; and

WHEREAS, Stewart's Shops, the convenience store owner, recognized the need to improve vehicle and pedestrian safety at the intersection of Fairview Avenue & Green Street and donated \$200,000.00 to the City of Hudson to initiate the improvement work; and

WHEREAS, in response, the City engaged the professional engineering firm of Creighton Manning Engineering LLP to design the intersection improvements, prepare and issue bid documents, evaluate bids received for compliance with detailed specifications, make recommendation on how to proceed and provide construction monitoring services; and

WHEREAS, the City received one (1) bid on April 11, 2022, for Base Bid plus Bid Alternate 1, recommended for award by Creighton Manning Engineering LLP in the amount of \$367,840.00, which is substantially higher than the professional engineer's estimate approximately one year ago; and

WHEREAS, the total project costs are calculated as follows:

 Preparation of Bid Documents - Creighton Manning 	\$ 16,870.00
 Construction Monitoring Services - Creighton Manning 	34,700.00
■ Base Bid + Alternate 1 – A. Colarusso & Son, Inc.	367,840.25
Total Project Cost	\$ 419,410.25
Less Stewart's Contribution	200,000.00
Underestimated Cost of Improvements	\$ 219,410.00
ARPA Funds Previously Allocated	139,565.00
Additional Funds Needed to Proceed with Improvements	\$ 79,845.25

WHEREAS, the City of Hudson has Federal America Rescue Plan Act (ARPA) funds available and authorized for use on any service traditionally provided by a government, including road building and infrastructure; and

NOW THEREFORE, LET IT BE RESOLVED, that the City of Hudson will allocate \$139,565.00 of Federal America Rescue Plan Act (ARPA) funds and \$79,845.25 from the Fund Balance account and award the contract to A. Colarusso & Son, Inc. for the pedestrian safety and intersection improvements project at the intersection of Fairview Avenue & Green Street.

Introduced:	Approved:
	Kamal Johnson, Mayor
Seconded:	
	Dated:

MEMORANDUM



TO:

Peter Bujanow

Commissioner of Public Works, City of Hudson

FROM:

Dan Reynolds, PE

Project Manager, Creighton Manning Engineering, LLP

SUBJECT:

RECOMMENDATION FOR AWARD

US Route 9/NY Route 23B Intersection Improvements, City of Hudson; Columbia County

DATE:

April 14, 2022

The subject project was let for construction on April 11, 2022 with one (1) bid received and opened at the office of the Commissioner of Public Works, City Hall, City of Hudson, 520 Warren Street, Hudson, NY 12534 at 12:30 pm. The engineer's estimate for the bid of the project was \$241,676.50 for the base bid plus Bid Alternate 1. The following one (1) bid was received:

Bidders

Rank	<u> Bidder Name</u>	Base Bid	Base Bid
		<u>Amount</u>	Plus Bid
			Alternate 1
1	A. Colarusso & Son, Inc.	\$355,587.25	\$367,840.25

The one (1) bid was reviewed and checked, and all computations were verified by Dan Reynolds, PE, Project Manager, Creighton Manning Engineering, LLP on April 14, 2022.

The lowest bid of \$367,840.25 as submitted by **A. Colarusso & Son, Inc** was reviewed and found to be complete and accurate regarding bid documentation, consistent bid pricing, and company experience with similar projects.

The bid is approximately 50% higher than the engineer's estimate with the bulk of the difference reflected in the prices bid for the conduit excavation and backfill, work zone traffic control, mast arm pole and video detection camera.

Based upon our review of the submitted bid documentation and pricing, the lowest responsible bidder was determined to be **A. Colarusso & Son, Inc** with a bid of \$367,840.25.

Based upon the foregoing bid results, I, acting on behalf of Creighton Manning Engineering, LLP, recommend the City of Hudson:

(X) Award the contract to the lowest responsible bidder, **A. Colarusso & Son, Inc** for the Base Bid and Bid Alternate 1 Amount of \$367,840.25

() Reject all bids

Dated: 4/14/2022

Signature David P. Payrolds P.

MEMORANDUM



TO:

Peter Bujanow

Commissioner of Public Works, City of Hudson

FROM:

Dan Reynolds, PE

Project Manager, Creighton Manning Engineering, LLP

SUBJECT:

Analysis of Bids

US Route 9/NY Route 23B Intersection Improvements, City of Hudson; Columbia County

DATE:

April 14, 2022

The following line item bid analysis was performed to identify bid items that were in excess of 25% of the engineer's estimate for this project. Items whose total bid price was \$20,000 or less were not included as part of this analysis as they are not considered major items.

Four (4) items in the responsible low bidder's (A. Colarusso & Son, Inc.) line item costs exceeded the engineer's estimate by 25% or more. The four (4) items are as follows:

<u>Item 206.03, Conduit Excavation and Backfill including Surface Restoration:</u> The higher cost associated with this item could be attributed to the presence of several underground utilities, and much of the conduit excavation being conducted in hardscaped areas, requiring more expensive backfill material and operations.

<u>Item 619.01</u>, <u>Basic Work Zone Traffic Control</u>: The higher cost associated with this item could be attributed to the work location needing lane closures and flagging for many of the operations needed to conduct the work. Due to Right-of-Way restrictions there is not room for contractor vehicles to be parked outside the roadway.

<u>Item 680.621950</u>, Traffic Signal Pole, Mast Arm, 19 Feet Mounting Height, 50 Feet Arm Length: The higher cost associated with this item could be attributed to recent material cost increases for steel and the small quantity (1 EA) of this item.

<u>Item 680.94990005, Video Vehicle Presence Detector System</u>: The higher cost associated with this item could be attributed to material shortages (I.e. chip shortages) and the small quantity of this item (1 EA)

Based on the figures analyzed, Creighton Manning Engineering, LLP, concludes that the variations in bid prices as submitted by **A. Colarusso & Son, Inc** are justifiable. As such, based on this analysis, we recommend that the City proceed with award of the contract.

US Route 9/NY Route 238 Intersection Improvements CMB: 120-094 City of Hudson, Columbia County, NY

Analysis of Bids - ** Denotes greater than 25% Difference on Major Items

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293.02 UNCLASSIFIED EXCAVITON AND DE POSAL	CY	75.00	41	\$ 3,075.00 \$	80.00	\$ 3,280,00	Ц
	CA	70.00	3	\$ 210.00 \$	490.00	\$ 1,470.00	-
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AND STATE OF THE PARCE THE STATE OF THE STAT	EACH	750.00	3	2,250.00 5	1,200.00	3,600.00	-
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HACKOL TOTAL TAN COAL	GAL	30.00	4	\$ 120.00 \$	90.6	36.00	-
418 7603 ASPHALT PAVEMENT JONT ADHESIVE	I'E	10.00	185	\$ 1,850.00	5.00	\$ 925.00	-
593.1010 PCC FOUNDATION FORMYEMENT, CLASS C	CA	450.00	9	\$ 2,700.00 \$	290.00	1,740.00	
604.070101 ALTERING DRAINAGE SHUCTURES LEACHING BASING AND MANHOLES	FACH	1 350.00		\$ 1240.00	00 001 9	000019	-
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009.0401 CAST-IN-FLACE CONCINIE CURB TYPE VF130	LF	40.00	185	\$ 7,400.00 \$	63.00	\$ 11,655.00	-
610,100,20 TURF ESTABLISHMENT-FERFORMANCE	SY	50.00	87	\$ 000006	120,00	\$ 2,160.00	
619.01 BASIC WORK ZONE TRAFIC CONTROL	IS	12,000,00	-	\$ 12,000.00 \$	32.000.00	\$ 32.000.00	*
625.01 SURVEY OPERATIONS	ST	5,000,00	_	\$ 5,000.00	4.000.00	4.000.00	
635.0103 CLEANING AND PREPARITION OF PAVEMENT SURFACES - LINES	47	3,00	1.008	\$ 3.024,00 \$	2.00	\$ 2.016.00	
645.81 TYPE A SIGN POSTS	RACH	250.00		3 250.00	115.00	11500	-
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680.520.596 I RAFFIC SIGNAL CONDIT, RIGID PLASTIC, CLASS 1, 2	120	9,00	306	\$ 2,754.00 \$	13.00	3,978.00	
ID PLASTIC, CLASS 1, 3*	17	10.00	10	\$ 100.00 \$	39.00	\$ 390.00	
680.621.950 TRAFFIC SIGNAL POLE, IAST ARM, 19 FEET MOUNTING HEIGHT.50 FEET ARM LENGTH	EACH	19,500,00		\$ 10.500.00 \$	40.000.00	\$ 40,000.00	:
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AGGREGAT TRACTIC SIGNAL MODICE: 17 INCH TELLOW ARROW LED	EACH	175.00	2	\$ 350.00 \$	180.00	360,00	-
BECTOTOS FRAFFIC SIGNAL MODULE: ITINCH, GREEN BALL, LED	EACH		00	\$ 1,400.00 \$	150.00	1,200.00	-
680.810.106 TRAFFIC SIGNAL MODULE 12 INCH GREEN ARROW, LED	EACH \$	175,00	2	\$ 350.00 \$	185.00	370.00	
686.810.601 TRAFFIC SIGNAL SECT IN: POLYCARBONATE, T'YPE I, 12 INCH	EACH \$	300.00	38	\$ 8,400,00 \$	200.00	\$ 5,600.00	
688.8111 TRAFFIC SIGNAL BRACKET ASSEMBLY - 1 WAY	EACH	400.00	9	\$ 2,400.00 \$	\$80,00	3,480.00	
689,8112 TRAFFIC SIGNAL BRACKE ASSEMBLY - 2 WAY	EACH			\$ 475.00 \$	710.00	710.00	-
68.0.81319.109 ACCESSIBLE PEDESTRIANSIGNAL (APS) WITHOUT POLE	EACH	1,000.00	9	\$ 6,000.00 \$	1,350.00	\$ 8,100.00	
689.813195 PEDESTRIAN SIGNAL MEDILE - 12 INCH BI-MOD-AL, HANDMAN SYMBOLS LED	EACH		9	\$ 1,200.00 \$	260.00	1.560.00	L
680.813.106 PEDESTRIAN SIGNAL SETION - POLYCARBONA TE. TYPE I. 12 INCH	EACH		12	\$ 100000 \$	500 005	6 PD0 AD	-
680.8 M1 PEDESTRIAN SIGNAL BRICKET MOUNT ASSEMBLY	EACH S	250.00	-	\$ 250.00 \$	8 00 087	430.00	
680.8142 PEDESTRIAN SIGNAL POTT OP M OINT ASSEMBLY	FACH			3 1250 00	925 00	1 32500	-
680.8150001g PEDESTRIAN COUNT-DOWN TIMER MODITIF.	RACH		4	3 00 000	100 301	000021	-
680,8207 OVERHEAD SIGN ASSEMBLY, TYPE G	KACH	750.00	9	\$ 00 00 7 8	00 059	1 900 00	-
680 82201 908 BREAKAWAY TRANSFOLIER BASE/TRAFFIC)	FACH	500.00		2 500 00 6	NO OFC	3 700 00	-
680,99920088 ELECTRIC METER SOCKIL 200 AMP, SINGLE, PHA SE, 240/120VOLT W/ BYPASS SWITCHFOR SIGN ALL INSTALL ATTOMS	FACH	650.00	-	\$ 650.00	00 000	00000	-
680,93200101 NEMA TSZ TYPE A2 CONNOLLIB - BIJS PRIORIT Y CAPABILITY	FACH	4 000 00		3 1000007	8 600 00	8 90000	-
680.54000013 RAINTIGHT DISCONNECTROX	PACH	300.00		30000	00 000	00000	-
680 6490 000 VIDEO VEHICLE PRESENT DETECTOR SYNTEM	1000	20,000,00	-	9 0000000	00.000	000000000000000000000000000000000000000	
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AND	1.5	1.50	634	\$ 951.00 \$	4.50	2,853.00	-
GOLGAU) WILL HEKWOLLAS ILCEPLECT OF SAVEMENT SYMBOLS	EACH	400.00	2	\$ 800.00	280.00	260.00	-
997.0. FILL CIANGE AVEN	200	1.00	11,000	\$ 11,000.00 \$	1.00	11,000,00	-
698.04 ASPHALT PROCEADUS MENT	DC	1.00	100	\$ 100.00 \$	1.00	10000	-
698.65 FUEL PRICE ADUSTMENT	DC	1.00	100	\$ 1100.00 \$	1.00	100,00	
698.06. STEEL/IRON PRICE ADJUGHENT	od	1.00	100	\$ 100.00 \$	1.00 5	100.00	
			Sub-Total	\$ 221595.91	4	343 58775	-
699.040001 MCBILIZATION	10	9 000 00			9 00 000 01	12 00000	-
	-	/John Committee	200 0000		14,000,00	12,000.00	and desired

BID ALTERNATE #1 (N WOLDER CODE Extension)			ENGINEER'S ESTIMATE	TATE	A. Colarasso & Son, Inc.	on, Inc.
Hem Number Description	Unit	Unit Cost	Ouaritty	Cost	Unit Cost	Total Cost
203.03 UNCLASSIFIED EXCAVATION AND DISPOSAL.	CY	\$75.00	19	\$ 1,425.00 \$	80.00	\$ 1,520.00
203.03 EMBANKMENT IN PLACE	cy	\$70.00	18.3	\$ 1,281.00	00.001	1,830.00
304.12 SUBBASE COURSE, TYPE1	CY	120.00	60	\$ 968.00	135.00	1,080.00
402.000013 PLANT PRODUCTION QUAITY ADJUST MENT TO HIMA ITEMS	3 00	105.00	1.0	\$ 105.00 \$	105.00	105.00
402098204 9.5 F2 TOP COURSE HM ADSTRES COMPACTION	NOL	225.00		\$ 225.60 \$	260.00	\$ 560.00
402.198964 19 F9 BINDER COURSE HIM, 80 SERIES COMPACTION	S NOT	250.00		\$ 250.00	510.60	\$ 510.00
487.0102 DILUTED TACK COAT	GAL	\$30.00		30.00	00'6	00'6
418 7603 ASPHALT PAYEMENT JOHT ADHESIVE	17	\$10.00	63	\$ 630.00	5.00	315.00
503.1010 PCC FOUNDATION FOR AVEMENT, CLASS C	CY S	450.00	23	\$ 90,006	290,00	\$ 580,00
608 0101 CONCRETE SIDEWALKS AND DRIVEWAYS	S CA	600.00	ri	\$ 1,200.00 \$	1,400.00	\$ 2.800.00
608.020102 HOT MIX ASPHALT (HM ASIDEWALKS, DRIVEWA YS AND BRYCLE PATHS, AND VEGSTATION CONTROL STRIPS	\$ NOL	250.00	-2	\$ (500.003)	460.00	(920.00)
693.8401 CAST-IN-PLACE CONCRETE CURB TYPE. VPI S0	47	40.00	63	\$ 2,520.00 \$	63.00	3,969.00
610.16010020 TURF ESTABLISHMENT : FRFORMANCE	SY S	50.00	99	\$ 3,300.00	55.00	3,630.00
6820101 WHITE THERMOPLASTICREFLECT ORIZED PAVEM ENT STRIPES	47	\$1.50	-830	\$ (1,245.00) \$	4.50	3,735.00
			Total Bid Alt#1	3 11,081,00		\$ 12,253.00
			Total Base Bid + Bid Alt #1	\$ 2416%50		367,840,25

Learlife that this contract was bid in accordance with chandraleaneabilitie bidding procedures and reculements and this changes the state of the sta

4/14/2022 Date

RESOLUTION NO. ____ February 15, 2022

A RESOLUTION AUTHORIZING ALLOCATION OF ARPA FUNDS AND SOLICITATION OF BIDS FOR THE PEDESTRIAN SAFETY AND INTERSECTION IMPROVEMENTS PROJECT AT THE INTERSECTION OF FAIRVIEW AVENUE & GREEN STREET

WHEREAS, the intersection of Fairview Avenue and Green Street (aka US Route 9 and NY Route 23B) is located on a busy Truck Route that accommodates a high volume of traffic as documented in a recently published City of Hudson Truck Traffic Study; and

WHEREAS, the intersection of Fairview Avenue and Green Street also experiences a significant amount of pedestrian traffic with a convenience store located at the intersection; and

WHEREAS, Stewart's Shops, the convenience store owner, recognized the need to improve vehicle and pedestrian safety at the intersection of Fairview Avenue & Green Street and donated \$200,000.00 to the City of Hudson to initiate the improvement work; and

WHEREAS, in response, the City awarded a \$16,870.00 contract to engineering firm Creighton Manning to design an improved intersection; and

WHEREAS, the intersection design was completed in April 2021 resulting in professional engineering cost estimate for the scope of work of \$241,000.00, which exceeds the donated funds available and the project remains at a standstill; and

WHEREAS, the additional cost of professional construction monitoring services in the amount of \$34,700.00, based on Creighton Manning proposal, is also required during the project; and

WHEREAS, based on current bid treads, continuing supply chain issues and construction cost escalation, the original April 2021 professional engineering cost estimate of \$241,000.00 should be adjusted by plus 19.50%, or \$46,995.00; and

WHEREAS, the revised total supported estimated cost to complete the Fairview Avenue and Green Street intersection and pedestrian safety improvements is now \$339,565.00, less the \$200,000,00 donation, therefore additional funds in the amount of \$139,565.00 are needed to complete the project; and

WHEREAS, the City of Hudson has Federal America Rescue Plan Act (ARPA) funds available and authorized for use on any service traditionally provided by a government, including road building and infrastructure; and

NOW THEREFORE, LET IT BE RESOLVED, that the City of Hudson will allocate up to \$139,565.00 of Federal America Rescue Plan Act (ARPA) funds for the pedestrian safety and intersection improvements project at the intersection of Fairview Avenue & Green Street and that the project be released for Bid as soon as possible.

Introduced:	
Seconded:	
	Approved:
	Kamal Johnson, Mayor
	Dated: