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AMESBURY CITY CLERK

CITY OF AMESBURY
IN THE YEAR TWO THOUSAND TWENTY

SPONSORED BY:

Kassandra Gove

Kassandra Gove, Mayor

BILL No.

2020-045

An Order: to appropriate \$1,370,000 to pay for costs of making roadway and other public improvements within the South Hunt Area District Improvement Finance District.

Summary: This order proposes to appropriate \$1,370,000 for purposes of making roadway and other public improvements within the South Hunt Area District Improvement Finance District. The order further authorizes the Mayor to borrow \$1,370,000 under G.L. c. 40Q, or any other enabling authority. These funds will be used in conjunction with the approved Massworks grant referred to as the "South Hunt Area Infrastructure Improvement Project" awarded to the city in the amount of \$2,500,000. The intent of this project is to provide a more efficient access point into the South Hunt Development Area and enhance public safety for vehicles, pedestrians, and bicyclists.

Be it Ordered by the City Council of the City of Amesbury assembled, and by the authority of the same, as follows:

that \$1,370,000 is appropriated to pay costs of making roadway and other public improvements within the South Hunt Area District Improvement Finance District, including the payment of all costs incidental and related thereto; that to meet this appropriation the Treasurer, with the approval of the Mayor, is authorized to borrow \$1,370,000 under G.L. c. 40Q, or any other enabling authority; and that the Mayor is authorized to take any other action necessary to carry out this project. Any premium received upon the sale of any bonds or notes approved by this order, less any such premium applied to the payment of the costs of issuance of such bonds or notes, may be applied to the payment of costs approved by this order in accordance with G.L. c. 44, §20, thereby reducing the amount authorized to be borrowed to pay such costs by a like amount.

CONSTRUCTION COST ESTIMATE

DATE: 1/29/2020
DESCRIPTION: I-495/ROUTE 150/SOUTH HUNT ROAD
LOCATION: AMESBURY, MA
ESTIMATOR: RH/DPS

TEC PROJ. #: T0778
DESIGN STAGE: 75 / 100 %
CHECKED BY: JJS

SPEC	ITEM	DESCRIPTION	UNIT	UNIT PRICE	QTY	TOTAL
	101.	CLEARING AND GRUBBING	A	\$21,000.00	0.75	\$15,750.00
	102.1	TREE TRIMMING	FT	\$15.00	265	\$3,975.00
*	102.52	TEMPORARY TREE PROTECTION FENCE	FT	\$10.00	260	\$2,600.00
*	120.1	UNCLASSIFIED EXCAVATION	CY	\$30.00	14,750	\$442,500.00
	121.	CLASS A ROCK EXCAVATION	CY	\$150.00	10	\$1,500.00
	141.	CLASS A TRENCH EXCAVATION	CY	\$40.00	20	\$800.00
	141.1	TEST PIT FOR EXPLORATION	CY	\$110.00	18	\$1,980.00
	142.	CLASS B TRENCH EXCAVATION	CY	\$30.00	270	\$8,100.00
	144.	CLASS B ROCK EXCAVATION	CY	\$150.00	25	\$3,750.00
	146.	DRAINAGE STRUCTURE REMOVED	EA	\$550.00	13	\$7,150.00
	150.1	SPECIAL BORROW	CY	\$30.00	1,850	\$55,500.00
	151.	GRAVEL BORROW	CY	\$45.00	3,175	\$142,875.00
*	153.	CONTROLLED DENSITY FILL - EXCAVATABLE	CY	\$150.00	10	\$1,500.00
	156.	CRUSHED STONE	TON	\$50.00	100	\$5,000.00
	170.	FINE GRADING AND COMPACTING - SUBGRADE AREA	SY	\$5.00	7,750	\$38,750.00
*	192.4	GROUND WATER OBSERVATION WELL ADJUSTED	LS	\$475.00	1	\$475.00
	201.	CATCH BASIN	EA	\$4,000.00	26	\$104,000.00
*	201.3	SPECIAL CATCH BASIN	EA	\$4,500.00	1	\$4,500.00
	202.	MANHOLE	EA	\$4,500.00	5	\$22,500.00
	202.2	MANHOLE (9 TO 14 FOOT DEPTH)	EA	\$5,000.00	3	\$15,000.00
	203.	SPECIAL MANHOLE	EA	\$5,250.00	3	\$15,750.00
*	203.12	STORMWATER BASIN OUTLET STRUCTURE	EA	\$5,500.00	1	\$5,500.00
	220.	DRAINAGE STRUCTURE ADJUSTED	EA	\$450.00	2	\$900.00
	220.2	DRAINAGE STRUCTURE REBUILT	FT	\$400.00	10	\$4,000.00
	220.3	DRAINAGE STRUCTURE CHANGE IN TYPE	EA	\$1,000.00	5	\$5,000.00
	220.5	DRAINAGE STRUCTURE REMODELED	EA	\$800.00	1	\$800.00
	221.	FRAME AND COVER	EA	\$875.00	11	\$9,625.00
	222.	FRAME AND GRATE - MASSDOT BAR TYPE	EA	\$900.00	8	\$7,200.00
	222.1	FRAME AND GRATE - MASSDOT CASCADE TYPE	EA	\$950.00	10	\$9,500.00
*	222.3	FRAME AND GRATE (OR COVER) MUNICIPAL STANDARD	EA	\$900.00	9	\$8,100.00
*	223.1	FRAME AND GRATE (OR COVER) REMOVED AND STACKED	EA	\$85.00	5	\$425.00
	227.3	REMOVAL OF DRAINAGE STRUCTURE SEDIMENT	CY	\$235.00	25	\$5,875.00
	227.31	REMOVAL OF DRAINAGE PIPE SEDIMENT	FT	\$10.00	200	\$2,000.00
	241.12	12 INCH REINFORCED CONCRETE PIPE	FT	\$110.00	860	\$94,600.00
	241.15	15 INCH REINFORCED CONCRETE PIPE	FT	\$100.00	150	\$15,000.00
	241.18	18 INCH REINFORCED CONCRETE PIPE	FT	\$115.00	170	\$19,550.00
	241.24	24 INCH REINFORCED CONCRETE PIPE	FT	\$115.00	110	\$12,650.00
	242.12	12 INCH REINFORCED CONCRETE PIPE FLARED END	EA	\$1,000.00	2	\$2,000.00
	258.	STONE FOR PIPE ENDS	SY	\$70.00	12	\$840.00
	357.06	6 INCH GATE BOX	EA	\$400.00	1	\$400.00
	358.	GATE BOX ADJUSTED	EA	\$250.00	6	\$1,500.00
	402.	DENSE GRADED CRUSHED STONE FOR SUB-BASE	CY	\$60.00	1,430	\$85,800.00
*	415.3	PAVEMENT MICROMILLING	SY	\$6.00	4,500	\$27,000.00
	431.	HIGH EARLY STRENGTH CEMENT CONCRETE BASE COURSE	SY	\$75.00	12	\$900.00
	440.	CALCIUM CHLORIDE FOR ROADWAY DUST CONTROL	LB	\$0.35	23,250	\$8,137.50
	443.	WATER FOR ROADWAY DUST CONTROL	MGL	\$50.00	80	\$4,000.00
	450.23	SUPERPAVE SURFACE COURSE - 12.5 (SSC - 12.5)	TON	\$165.00	1,150	\$189,750.00
	450.31	SUPERPAVE INTERMEDIATE COURSE - 12.5 (SIC - 12.5)	TON	\$160.00	335	\$53,600.00
	450.32	SUPERPAVE INTERMEDIATE COURSE - 19.0 (SIC - 19.0)	TON	\$130.00	460	\$59,800.00
	450.41	SUPERPAVE BASE COURSE - 25.0 (SBC - 25.0)	TON	\$160.00	485	\$77,600.00
	450.42	SUPERPAVE BASE COURSE - 37.5 (SBC - 37.5)	TON	\$115.00	975	\$112,125.00
	450.52	SUPERPAVE LEVELING COURSE - 9.5 (SLC - 9.5)	TON	\$165.00	50	\$8,250.00
	451.	HMA FOR PATCHING	TON	\$200.00	80	\$16,000.00
	452.	ASPHALT EMULSION FOR TACK COAT	GAL	\$8.00	1,385	\$11,080.00
	453.	HMA JOINT SEALANT	FT	\$1.00	10,900	\$10,900.00

SPEC	ITEM	DESCRIPTION	UNIT	UNIT PRICE	QTY	TOTAL
	472.	ASPHALT MIXTURES FOR TEMPORARY WORK	TON	\$210.00	28	\$5,880.00
	482.5	SAWCUTTING ASPHALT PAVEMENT FOR BOX WIDENING	FT	\$2.50	635	\$1,587.50
*	504.2	GRANITE CURB TYPE VA4 - SPLAYED END	EA	\$375.00	2	\$750.00
	506.	GRANITE CURB TYPE VB - STRAIGHT	FT	\$45.00	475	\$21,375.00
	506.1	GRANITE CURB TYPE VB - CURVED	FT	\$50.00	70	\$3,500.00
	509.	GRANITE TRANSITION CURB FOR WHEELCHAIR RAMPS - STRAIGHT	FT	\$55.00	18	\$990.00
	509.1	GRANITE TRANSITION CURB FOR WHEELCHAIR RAMPS - CURVED	FT	\$55.00	40	\$2,200.00
	511.1	GRANITE EDGING TYPE SB - STRAIGHT	FT	\$30.00	690	\$20,700.00
	512.1	GRANITE EDGING TYPE SB (RADIUS 10 FEET OR LESS)	FT	\$35.00	55	\$1,925.00
	583.	EDGING REMOVED AND RESET	FT	\$20.00	3,100	\$62,000.00
*	593.	EDGING REMOVED AND STACKED	FT	\$5.00	1,300	\$6,500.00
*	620.12	GUARDRAIL, TL-2 (SINGLE FACED)	FT	\$30.00	35	\$1,050.00
*	620.13	GUARDRAIL, TL-3 (SINGLED FACED)	FT	\$30.00	2,900	\$87,000.00
	621.13	GUARDRAIL, TL-3 (DOUBLE FACED)	FT	\$45.00	325	\$14,625.00
	627.1	TRAILING ANCHORAGE	EA	\$2,000.00	6	\$12,000.00
	627.73	GUARDRAIL END TREATMENT, TL-3 (DOUBLE FACED)	EA	\$7,500.00	1	\$7,500.00
	627.83	GUARDRAIL TANGENT END TREATMENT, TL-3	EA	\$4,250.00	7	\$29,750.00
	627.93	GUARDRAIL FLARED END TREATMENT, TL-3	EA	\$3,500.00	1	\$3,500.00
	628.21	TRANSITION TO NCHRP 350 GUARDRAIL	EA	\$1,750.00	7	\$12,250.00
	630.2	HIGHWAY GUARD REMOVED AND DISCARDED	FT	\$5.00	2,775	\$13,875.00
*	655.	CEDAR RAIL FENCE	FT	\$45.00	700	\$31,500.00
	670.	FENCE REMOVED AND RESET	FT	\$35.00	280	\$9,800.00
*	697.1	SILT SACK	EA	\$175.00	30	\$5,250.00
	701.	CEMENT CONCRETE SIDEWALK	SY	\$80.00	275	\$22,000.00
	701.2	CEMENT CONCRETE WHEELCHAIR RAMP	SY	\$90.00	230	\$20,700.00
	702.	HOT MIX ASPHALT WALK SURFACE	TON	\$220.00	205	\$45,100.00
*	706.41	GRANITE BLOCKS REMOVED AND RESET	SY	\$250.00	30	\$7,500.00
	710.4	BOUND - PLAIN GRANITE	EA	\$600.00	4	\$2,400.00
	748.	MOBILIZATION	LS	\$90,000.00	1	\$90,000.00
	751.	LOAM BORROW	CY	\$50.00	1,200	\$60,000.00
*	755.3	NON-TIDAL WETLAND MITIGATION AREA	LS	\$3,000.00	1	\$3,000.00
*	755.7	WETLAND SPECIALIST	HR	\$100.00	40	\$4,000.00
*	756.	NPDES STORMWATER POLLUTION PREVENTION PLAN	LS	\$4,500.00	1	\$4,500.00
	765.	SEEDING	SY	\$2.00	7,050	\$14,100.00
*	765.431	SEEDING - UPLAND TALL MIX - FULL SUN	SY	\$4.00	1,625	\$6,500.00
*	767.121	SEDIMENT CONTROL BARRIER	FT	\$6.00	2,625	\$15,750.00
	767.31	STRAW MULCH	SY	\$1.00	1,675	\$1,675.00
	769.	PAVEMENT MILLING MULCH UNDER GUARD RAIL	FT	\$8.00	2,875	\$23,000.00
	776.036	MAPLE - AMUR 5-6 FEET	EA	\$650.00	2	\$1,300.00
	788.263	AZALEA - SWAMP 18-24 INCH	EA	\$75.00	5	\$375.00
	795.009	VIBURNUM - ARROWWOOD 18-24 INCHES	EA	\$35.00	4	\$140.00
*	804.3	3 INCH ELECTRICAL CONDUIT TYPE NM - PLASTIC -(UL)	FT	\$40.00	1,650	\$66,000.00
*	804.4	4 INCH ELECTRICAL CONDUIT TYPE NM - PLASTIC -(UL)	FT	\$65.00	60	\$3,900.00
*	811.22	ELECTRIC HANDHOLE - SD2.022	EA	\$1,400.00	1	\$1,400.00
*	811.31	PULL BOX 12 X 12 INCHES - SD2.031	EA	\$800.00	22	\$17,600.00
*	815.1	TRAFFIC CONTROL SIGNAL LOCATION NO. 1	LS	\$241,250.00	1	\$241,250.00
*	815.2	TRAFFIC CONTROL SIGNAL LOCATION NO. 2	LS	\$273,500.00	1	\$273,500.00
*	816.03	TRAFFIC SIGNAL RECONSTRUCTION LOCATION NO. 1	LS	\$8,000.00	1	\$8,000.00
	829.	ROADSIDE GUIDE SIGN (G) - ALUMINUM PANEL (TYPE B)	SF	\$20.00	125	\$2,500.00
	832.	WARNING-REGULATORY AND ROUTE MARKER - ALUM. PANEL (TYPE A)	SF	\$13.00	325	\$4,225.00
*	841.81	SUPPORTS FOR GUIDE SIGN (MA-D1-7b/c) STEEL	EA	\$2,400.00	3	\$7,200.00
	847.1	SIGN SUP (N/GUIDE)+RTE MKR W/1 BRKWAY POST ASSEMBLY - STEEL	EA	\$135.00	18	\$2,430.00
	848.1	SIGN SUP (N/GUIDE)+RTE MKR W/2 BRKWAY POST ASSEMBLIES-STEEL	EA	\$250.00	11	\$2,750.00
	850.41	ROADWAY FLAGGER	HR	\$60.00	1,440	\$86,400.00
	852.	SAFETY SIGNING FOR TRAFFIC MANAGEMENT	SF	\$20.00	550	\$11,000.00
	853.1	PORTABLE BREAKAWAY BARRICADE TYPE III	EA	\$125.00	4	\$500.00
	853.8	TEMPORARY ILLUMINATION FOR WORK ZONE	DAY	\$15.00	10	\$150.00
	854.016	TEMPORARY PAVING MARKINGS - 6 INCH (PAINTED)	FT	\$0.20	13,300	\$2,660.00
	854.036	TEMPORARY PAVING MARKINGS - 6 INCH (TAPE)	FT	\$1.50	4,100	\$6,150.00
	854.1	PAVEMENT MARKING REMOVAL	SF	\$1.50	1,015	\$1,522.50
	856.	ARROW BOARD	DAY	\$8.00	540	\$4,320.00
	856.12	PORTABLE CHANGEABLE MESSAGE SIGN	DAY	\$20.00	810	\$16,200.00
	859.	REFLECTORIZED DRUM	DAY	\$0.25	27,000	\$6,750.00

SPEC	ITEM	DESCRIPTION	UNIT	UNIT PRICE	QTY	TOTAL
	864.04	PAVEMENT ARROWS AND LEGENDS REFL. WHITE (THERMOPLASTIC)	SF	\$8.00	540	\$4,320.00
*	868.106	6 INCH DURABLE RECESSED WET REFLECTIVE WHITE LINE (THERMOPLASTIC)	FT	\$1.50	6,250	\$9,375.00
*	868.112	12 INCH DURABLE RECESSED WET REFLECTIVE WHITE LINE (THERMOPLASTIC)	FT	\$5.00	785	\$3,925.00
*	869.106	6 INCH DURABLE RECESSED WET REFLECTIVE YELLOW LINE (THERMOPLASTIC)	FT	\$1.50	7,500	\$11,250.00
*	869.112	12 INCH DURABLE RECESSED WET REFLECTIVE YELLOW LINE (THERMOPLASTIC)	FT	\$5.00	640	\$3,200.00
	874.	STREET NAME SIGN	EA	\$95.00	4	\$380.00
*	874.2	TRAFFIC SIGN REMOVED AND RESET	EA	\$100.00	12	\$1,200.00
*	874.4	TRAFFIC SIGN REMOVED AND STACKED	EA	\$25.00	40	\$1,000.00
	901.	4000 PSI, 1.5 IN., 565 CEMENT CONCRETE	CY	\$1,600.00	3	\$4,800.00
	910.1	STEEL REINFORCEMENT FOR STRUCTURES - EPOXY COATED	LB	\$3.00	42	\$126.00
		POLICE DETAILS ALLOWANCE				\$124,800.00
SUBTOTAL =						\$3,372,693.50
10% CONTINGENCY =						\$337,269.35
CONSTRUCTION ADMINISTRATION =						\$160,000.00
TOTAL =						\$3,869,962.85