



ABC Bid Data

MANCHESTER
42635A
X-A005(001)

PROJECT: MANCHESTER
STATE PROJECT NUMBER: 42635A
FED. PROJECT NUMBER: X-A005(001)
DATE BIDS OPEN: April 30, 2020, 2:00
SCOPE OF WORK: HBP inlays along I-293/NH101 and BWC along NH 111
COMPLETION DATE: September 25, 2020
LOCATION: Hillsborough, Rockingham

Awarded To: BROX INDUSTRIES, INC.
1471 METHUEN STREET
DRACUT, MA 01826

Amount: \$1,685,379.87
Award Date:

Certified by: PETER.E.STAMNAS
Director of Project Development

Summary of Bidders

Contractor	Bid Amount	Rank
BROX INDUSTRIES, INC. 1471 METHUEN STREET, DRACUT MA 01826	\$1,685,379.87	A
PIKE INDUSTRIES, INC. 3 EASTGATE PARK ROAD, BELMONT NH 03220	\$1,687,253.68	B



ABC Bid Data

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Item No.	Description	Unit	Quantity	PS&E		BROX INDUSTRIES, INC. 1471 METHUEN STREET DRACUT, MA 01826		PIKE INDUSTRIES, INC. 3 EASTGATE PARK ROAD BELMONT, NH 03220	
				Unit Price	Total	Unit Price	Total	Unit Price	Total

Items

304.32	CRUSHED GRAVEL FOR SHOULDER LEVELING	TON	185.00	\$75.00	\$13,875.00	\$61.64	\$11,403.40	\$60.00	\$11,100.00
403.11002	HOT BITUMINOUS PAVEMENT, MACHINE METHOD (QC/QA TIER 2)	TON	2,283.00	\$95.00	\$216,885.00	\$110.00	\$251,130.00	\$110.75	\$252,842.25
403.119	HOT BITUMINOUS PAVEMENT, MACHINE METHOD, HIGH STRENGTH	TON	1,418.00	\$95.00	\$134,710.00	\$115.00	\$163,070.00	\$124.50	\$176,541.00
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	.50	\$500.00	\$250.00	\$249.30	\$124.65	\$1,000.00	\$500.00
403.4	MATERIAL TRANSFER VEHICLE (MTV)	TON	3,535.00	\$4.25	\$15,023.75	\$7.19	\$25,416.65	\$7.00	\$24,745.00
403.6	PAVEMENT JOINT ADHESIVE	LF	32,748.00	\$0.30	\$9,824.40	\$0.47	\$15,391.56	\$0.36	\$11,789.28
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	2,007.00	\$5.00	\$10,035.00	\$8.80	\$17,661.60	\$6.00	\$12,042.00
410.752	EMULSIFIED ASPHALT FOG SEAL	GAL	2,241.00	\$5.00	\$11,205.00	\$6.75	\$15,126.75	\$5.00	\$11,205.00
410.753	COVER AGGREGATE	TON	5.00	\$2,000.00	\$10,000.00	\$2,320.40	\$11,602.00	\$2,000.00	\$10,000.00
413.6	CRACK FILL PRIOR TO THIN LIFT OVERLAY	LB	30,758.00	\$2.00	\$61,516.00	\$3.83	\$117,803.14	\$3.25	\$99,963.50
417.	COLD PLANING BITUMINOUS SURFACES	SY	33,718.00	\$3.00	\$101,154.00	\$5.50	\$185,449.00	\$3.25	\$109,583.50
417.118	COLD PLANING BITUMINOUS SURFACES, 18" WIDE X 0.5" DEEP	LF	87.00	\$7.50	\$652.50	\$26.74	\$2,326.38	\$6.00	\$522.00
417.21	MICRO-MILLING BITUMINOUS SURFACES	SY	13,201.00	\$3.00	\$39,603.00	\$2.62	\$34,586.62	\$2.00	\$26,402.00
417.412	RUMBLE STRIPS, 12" WIDE	LF	8,181.00	\$1.50	\$12,271.50	\$1.51	\$12,353.31	\$1.30	\$10,635.30
417.4122	RUMBLE STRIPS, 12" WIDE (SINUSOIDAL)	LF	5,339.00	\$1.75	\$9,343.25	\$1.97	\$10,517.83	\$1.30	\$6,940.70
417.53	REMOVE AND INLAY EXISTING RUMBLE STRIPS	LF	7,947.00	\$2.50	\$19,867.50	\$2.35	\$18,675.45	\$3.75	\$29,801.25
419.13	BONDED WEARING COURSE, TYPE C	TON	2,117.00	\$130.00	\$275,210.00	\$135.00	\$285,795.00	\$114.00	\$241,338.00
419.3	POLYMER MODIFIED EMULSION FOR BWC	GAL	12,448.00	\$4.00	\$49,792.00	\$4.08	\$50,787.84	\$3.25	\$40,456.00
615.0201	TRAFFIC SIGN TYPE B	SF	5.32	\$100.00	\$532.00	\$59.59	\$317.02	\$70.00	\$372.40
615.023	REMOVING TRAFFIC SIGN TYPE B	U	2.00	\$125.00	\$250.00	\$31.36	\$62.72	\$250.00	\$500.00
615.0301	TRAFFIC SIGN TYPE C	SF	156.75	\$50.00	\$7,837.50	\$35.50	\$5,564.63	\$49.50	\$7,759.13
615.033	REMOVING TRAFFIC SIGN, TYPE C	U	20.00	\$40.00	\$800.00	\$31.36	\$627.20	\$25.00	\$500.00
615.0501	TRAFFIC SIGN TYPE BB	SF	5.32	\$17.50	\$93.10	\$14.79	\$78.68	\$20.00	\$106.40
615.0601	TRAFFIC SIGN TYPE CC	SF	23.32	\$20.00	\$466.40	\$14.79	\$344.90	\$15.00	\$349.80



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Item No.	Description	Unit	Quantity	PS&E		BROX INDUSTRIES, INC. 1471 METHUEN STREET DRACUT, MA 01826		PIKE INDUSTRIES, INC. 3 EASTGATE PARK ROAD BELMONT, NH 03220	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
616.606	TRAFFIC SIGNAL DETECTOR LOOP 6 FT X 6 FT	EA	1.00	\$600.00	\$600.00	\$1,505.13	\$1,505.13	\$1,200.00	\$1,200.00
616.650	TRAFFIC SIGNAL DETECTOR LOOP 6 FT X 50 FT	EA	4.00	\$1,500.00	\$6,000.00	\$1,881.42	\$7,525.68	\$1,500.00	\$6,000.00
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	25,700.00	\$1.00	\$25,700.00	\$1.00	\$25,700.00	\$1.00	\$25,700.00
618.7	FLAGGERS	HR	840.00	\$37.00	\$31,080.00	\$39.50	\$33,180.00	\$38.00	\$31,920.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$130,000.00	\$130,000.00	\$84,000.00	\$84,000.00	\$155,000.00	\$155,000.00
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	3.00	\$3,400.00	\$10,200.00	\$2,144.82	\$6,434.46	\$2,100.00	\$6,300.00
619.253	PORTABLE CHANGEABLE MESSAGE SIGN (UNIT WEEK)	UWK	3.00	\$200.00	\$600.00	\$940.71	\$2,822.13	\$250.00	\$750.00
619.27	TRAILER-MOUNTED SPEED LIMIT SIGN	U	4.00	\$1,500.00	\$6,000.00	\$2,144.82	\$8,579.28	\$1,300.00	\$5,200.00
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	132,396.00	\$0.15	\$19,859.40	\$0.26	\$34,422.96	\$0.22	\$29,127.12
632.01049	SHORT TERM PAVEMENT MARKINGS, 4" LINE	LF	56,884.00	\$0.15	\$8,532.60	\$0.25	\$14,221.00	\$0.20	\$11,376.80
632.0106	RETROREFLECTIVE PAINT PAVE. MARKING, 6" LINE	LF	61,863.00	\$0.20	\$12,372.60	\$0.32	\$19,796.16	\$0.25	\$15,465.75
632.1104	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 4" LINE	LF	5,318.00	\$2.50	\$13,295.00	\$1.08	\$5,743.44	\$1.00	\$5,318.00
632.1118	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 18" LINE	LF	79.00	\$7.00	\$553.00	\$3.95	\$312.05	\$4.00	\$316.00
632.3104	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 4" LINE	LF	1,040.00	\$1.20	\$1,248.00	\$3.76	\$3,910.40	\$3.00	\$3,120.00
632.3118	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 18" LINE	LF	79.00	\$10.00	\$790.00	\$12.55	\$991.45	\$10.00	\$790.00
632.32	RETROREFLECT. THERMOPLAS. PAVEMENT MARKING, SYMBOL OR WORD	SF	403.00	\$10.00	\$4,030.00	\$15.05	\$6,065.15	\$12.00	\$4,836.00
632.911	OBLITERATE PAVE. MARKING LINE, 12" WIDE & UNDER	LF	53,175.00	\$0.50	\$26,587.50	\$0.63	\$33,500.25	\$0.50	\$26,587.50
632.912	OBLITERATE PAVE. MARKING LINE, OVER 12" WIDE	LF	48.00	\$1.30	\$62.40	\$2.50	\$120.00	\$2.00	\$96.00
632.92	OBLITERATE PAVEMENT MARKING, SYMBOL OR WORD	SF	356.00	\$1.50	\$534.00	\$2.50	\$890.00	\$2.00	\$712.00
692.	MOBILIZATION	U	1.00	\$120,177.50	\$120,177.50	\$98,000.00	\$98,000.00	\$210,000.00	\$210,000.00
1006.23	SPECIAL WORK - EXTRACTED AND RECOVERED ASPHALT BINDER TESTING	\$	3,100.00	\$1.00	\$3,100.00	\$1.00	\$3,100.00	\$1.00	\$3,100.00
1010.15	FUEL ADJUSTMENT	\$	20,000.00	\$1.00	\$20,000.00	\$1.00	\$20,000.00	\$1.00	\$20,000.00
1010.2	ASPHALT CEMENT ADJUSTMENT	\$	25,000.00	\$1.00	\$25,000.00	\$1.00	\$25,000.00	\$1.00	\$25,000.00
1010.21	ASPHALT CEMENT ADJUSTMENT FOR EMULSION	\$	2,500.00	\$1.00	\$2,500.00	\$1.00	\$2,500.00	\$1.00	\$2,500.00
1010.3	QUALITY CONTROL QUALITY ASSURANCE (QC/QA) ASPHALT	\$	10,844.00	\$1.00	\$10,844.00	\$1.00	\$10,844.00	\$1.00	\$10,844.00



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Item No.	Description	Unit	Quantity	PS&E		BROX INDUSTRIES, INC. 1471 METHUEN STREET DRACUT, MA 01826		PIKE INDUSTRIES, INC. 3 EASTGATE PARK ROAD BELMONT, NH 03220	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
Totals:					\$1,480,862.90		\$1,685,379.87		\$1,687,253.68
Alt. Totals:									
Totals:					\$1,480,862.90		\$1,685,379.87		\$1,687,253.68



PS&E Comparison

MANCHESTER
42635A
X-A005(001)

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
Items								
304.32	CRUSHED GRAVEL FOR SHOULDER LEVELING	TON	185.00	\$61.64	\$11,403.40	\$75.00	\$13,875.00	(\$2,471.60)
403.11002	HOT BITUMINOUS PAVEMENT, MACHINE METHOD (QC/QA TIER 2)	TON	2,283.00	\$110.00	\$251,130.00	\$95.00	\$216,885.00	\$34,245.00
403.119	HOT BITUMINOUS PAVEMENT, MACHINE METHOD, HIGH STRENGTH	TON	1,418.00	\$115.00	\$163,070.00	\$95.00	\$134,710.00	\$28,360.00
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	.50	\$249.30	\$124.65	\$500.00	\$250.00	(\$125.35)
403.4	MATERIAL TRANSFER VEHICLE (MTV)	TON	3,535.00	\$7.19	\$25,416.65	\$4.25	\$15,023.75	\$10,392.90
403.6	PAVEMENT JOINT ADHESIVE	LF	32,748.00	\$0.47	\$15,391.56	\$0.30	\$9,824.40	\$5,567.16
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	2,007.00	\$8.80	\$17,661.60	\$5.00	\$10,035.00	\$7,626.60
410.752	EMULSIFIED ASPHALT FOG SEAL	GAL	2,241.00	\$6.75	\$15,126.75	\$5.00	\$11,205.00	\$3,921.75
410.753	COVER AGGREGATE	TON	5.00	\$2,320.40	\$11,602.00	\$2,000.00	\$10,000.00	\$1,602.00
413.6	CRACK FILL PRIOR TO THIN LIFT OVERLAY	LB	30,758.00	\$3.83	\$117,803.14	\$2.00	\$61,516.00	\$56,287.14
417.	COLD PLANING BITUMINOUS SURFACES	SY	33,718.00	\$5.50	\$185,449.00	\$3.00	\$101,154.00	\$84,295.00
417.118	COLD PLANING BITUMINOUS SURFACES, 18" WIDE X 0.5" DEEP	LF	87.00	\$26.74	\$2,326.38	\$7.50	\$652.50	\$1,673.88
417.21	MICRO-MILLING BITUMINOUS SURFACES	SY	13,201.00	\$2.62	\$34,586.62	\$3.00	\$39,603.00	(\$5,016.38)
417.412	RUMBLE STRIPS, 12" WIDE	LF	8,181.00	\$1.51	\$12,353.31	\$1.50	\$12,271.50	\$81.81



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Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
417.4122	RUMBLE STRIPS, 12" WIDE (SINUSOIDAL)	LF	5,339.00	\$1.97	\$10,517.83	\$1.75	\$9,343.25	\$1,174.58
417.53	REMOVE AND INLAY EXISTING RUMBLE STRIPS	LF	7,947.00	\$2.35	\$18,675.45	\$2.50	\$19,867.50	(\$1,192.05)
419.13	BONDED WEARING COURSE, TYPE C	TON	2,117.00	\$135.00	\$285,795.00	\$130.00	\$275,210.00	\$10,585.00
419.3	POLYMER MODIFIED EMULSION FOR BWC	GAL	12,448.00	\$4.08	\$50,787.84	\$4.00	\$49,792.00	\$995.84
615.0201	TRAFFIC SIGN TYPE B	SF	5.32	\$59.59	\$317.02	\$100.00	\$532.00	(\$214.98)
615.023	REMOVING TRAFFIC SIGN TYPE B	U	2.00	\$31.36	\$62.72	\$125.00	\$250.00	(\$187.28)
615.0301	TRAFFIC SIGN TYPE C	SF	156.75	\$35.50	\$5,564.63	\$50.00	\$7,837.50	(\$2,272.87)
615.033	REMOVING TRAFFIC SIGN, TYPE C	U	20.00	\$31.36	\$627.20	\$40.00	\$800.00	(\$172.80)
615.0501	TRAFFIC SIGN TYPE BB	SF	5.32	\$14.79	\$78.68	\$17.50	\$93.10	(\$14.42)
615.0601	TRAFFIC SIGN TYPE CC	SF	23.32	\$14.79	\$344.90	\$20.00	\$466.40	(\$121.50)
616.606	TRAFFIC SIGNAL DETECTOR LOOP 6 FT X 6 FT	EA	1.00	\$1,505.13	\$1,505.13	\$600.00	\$600.00	\$905.13
616.650	TRAFFIC SIGNAL DETECTOR LOOP 6 FT X 50 FT	EA	4.00	\$1,881.42	\$7,525.68	\$1,500.00	\$6,000.00	\$1,525.68
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	25,700.00	\$1.00	\$25,700.00	\$1.00	\$25,700.00	\$0.00
618.7	FLAGGERS	HR	840.00	\$39.50	\$33,180.00	\$37.00	\$31,080.00	\$2,100.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$84,000.00	\$84,000.00	\$130,000.00	\$130,000.00	(\$46,000.00)
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	3.00	\$2,144.82	\$6,434.46	\$3,400.00	\$10,200.00	(\$3,765.54)
619.253	PORTABLE CHANGEABLE MESSAGE SIGN (UNIT WEEK)	UWK	3.00	\$940.71	\$2,822.13	\$200.00	\$600.00	\$2,222.13



PS&E Comparison

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Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
619.27	TRAILER-MOUNTED SPEED LIMIT SIGN	U	4.00	\$2,144.82	\$8,579.28	\$1,500.00	\$6,000.00	\$2,579.28
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	132,396.00	\$0.26	\$34,422.96	\$0.15	\$19,859.40	\$14,563.56
632.01049	SHORT TERM PAVEMENT MARKINGS, 4" LINE	LF	56,884.00	\$0.25	\$14,221.00	\$0.15	\$8,532.60	\$5,688.40
632.0106	RETROREFLECTIVE PAINT PAVE. MARKING, 6" LINE	LF	61,863.00	\$0.32	\$19,796.16	\$0.20	\$12,372.60	\$7,423.56
632.1104	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 4" LINE	LF	5,318.00	\$1.08	\$5,743.44	\$2.50	\$13,295.00	(\$7,551.56)
632.1118	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 18" LINE	LF	79.00	\$3.95	\$312.05	\$7.00	\$553.00	(\$240.95)
632.3104	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 4" LINE	LF	1,040.00	\$3.76	\$3,910.40	\$1.20	\$1,248.00	\$2,662.40
632.3118	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 18" LINE	LF	79.00	\$12.55	\$991.45	\$10.00	\$790.00	\$201.45
632.32	RETROREFLECT. THERMOPLAS. PAVEMENT MARKING, SYMBOL OR WORD	SF	403.00	\$15.05	\$6,065.15	\$10.00	\$4,030.00	\$2,035.15
632.911	OBLITERATE PAVE. MARKING LINE, 12" WIDE & UNDER	LF	53,175.00	\$0.63	\$33,500.25	\$0.50	\$26,587.50	\$6,912.75
632.912	OBLITERATE PAVE. MARKING LINE, OVER 12" WIDE	LF	48.00	\$2.50	\$120.00	\$1.30	\$62.40	\$57.60
632.92	OBLITERATE PAVEMENT MARKING, SYMBOL OR WORD	SF	356.00	\$2.50	\$890.00	\$1.50	\$534.00	\$356.00
692.	MOBILIZATION	U	1.00	\$98,000.00	\$98,000.00	\$120,177.50	\$120,177.50	(\$22,177.50)
1006.23	SPECIAL WORK - EXTRACTED AND RECOVERED ASPHALT BINDER TESTING	\$	3,100.00	\$1.00	\$3,100.00	\$1.00	\$3,100.00	\$0.00
1010.15	FUEL ADJUSTMENT	\$	20,000.00	\$1.00	\$20,000.00	\$1.00	\$20,000.00	\$0.00



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Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
1010.2	ASPHALT CEMENT ADJUSTMENT	\$	25,000.00	\$1.00	\$25,000.00	\$1.00	\$25,000.00	\$0.00
1010.21	ASPHALT CEMENT ADJUSTMENT FOR EMULSION	\$	2,500.00	\$1.00	\$2,500.00	\$1.00	\$2,500.00	\$0.00
1010.3	QUALITY CONTROL QUALITY ASSURANCE (QC/QA) ASPHALT	\$	10,844.00	\$1.00	\$10,844.00	\$1.00	\$10,844.00	\$0.00
Total:					\$1,685,379.87		\$1,480,862.90	\$204,516.97