
PROJECT: BETHLEHEM
STATE PROJECT NUMBER: 41901
FED. PROJECT NUMBER: X-A004(771)
DATE BIDS OPEN: February 07, 2019,
SCOPE OF WORK: Preservation efforts on 5-span bridge carrying US 302, NH 18, & NH 116 over I-93.
COMPLETION DATE: October 18, 2019
LOCATION: Grafton

Awarded To: MILLER CONSTRUCTION, INC.
 3103 US RT 5 SOUTH
 WINDSOR, VT 05089-0086
Amount: \$1,330,066.00
Award Date:

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

Summary of Bidders

Contractor	Bid Amount	Rank
MILLER CONSTRUCTION, INC. 3103 US RT 5 SOUTH, PO BOX 86, WINDSOR VT 05089-0086	\$1,330,066.00	A
AUDLEY, R. S., INC. 1113 ROUTE 3A, BOW NH 03304-4025	\$1,389,745.00	B

Item No.	Description	Unit	Quantity	PS&E		MILLER CONSTRUCTION, INC. 3103 US RT. S. SOUTH WINDSOR, VT 05093-0086		AUDLEY, B. & INC. 111 ROUTE 3 BOW, NH 03304-4025	
				Unit Price	Total	Unit Price	Total	Unit Price	Total

Items

202.6	CURB REMOVAL FOR SALVAGE	LF	675.00	\$4.00	\$2,700.00	\$6.00	\$4,050.00	\$7.00	\$4,725.00
203.1	COMMON EXCAVATION	CY	81.00	\$40.00	\$3,240.00	\$50.00	\$4,050.00	\$70.00	\$5,670.00
203.11	COMMON EXCAVATION - LRS	CY	35.00	\$35.00	\$1,225.00	\$60.00	\$2,100.00	\$70.00	\$2,450.00
304.3	CRUSHED GRAVEL (F)	CY	33.00	\$55.00	\$1,815.00	\$60.00	\$1,980.00	\$90.00	\$2,970.00
403.11	HOT BITUMINOUS PAVEMENT, MACHINE METHOD	TON	405.00	\$140.00	\$56,700.00	\$149.00	\$60,345.00	\$145.00	\$58,725.00
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	85.00	\$155.00	\$13,175.00	\$193.00	\$16,405.00	\$190.00	\$16,150.00
403.6	PAVEMENT JOINT ADHESIVE	LF	6,700.00	\$0.70	\$4,690.00	\$1.00	\$6,700.00	\$0.40	\$2,680.00
403.61	PAVEMENT JOINT ADHESIVE (BRIDGE BASE)	LF	2,020.00	\$0.75	\$1,515.00	\$1.00	\$2,020.00	\$1.00	\$2,020.00
403.911	HOT BITUMINOUS BRIDGE PAVEMENT, 1" BASE COURSE	TON	83.00	\$200.00	\$16,600.00	\$248.00	\$20,584.00	\$250.00	\$20,750.00
403.99	TEMPORARY BITUMINOUS PAVEMENT	TON	103.00	\$210.00	\$21,630.00	\$198.00	\$20,394.00	\$150.00	\$15,450.00
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	325.00	\$6.00	\$1,950.00	\$10.00	\$3,250.00	\$4.00	\$1,300.00
417.	COLD PLANING BITUMINOUS SURFACES	SY	3,300.00	\$7.00	\$23,100.00	\$6.25	\$20,625.00	\$4.00	\$13,200.00
502.101	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$120,000.00	\$120,000.00	\$109,000.00	\$109,000.00	\$200,000.00	\$200,000.00
511.0001	CONCRETE BRIDGE DECK PAVEMENT REMOVAL (F)	SY	1,275.00	\$20.00	\$25,500.00	\$24.00	\$30,600.00	\$15.00	\$19,125.00
511.02	PREPARATION FOR PARTIAL DEPTH CONCRETE BRIDGE DECK REPAIRS	SY	250.00	\$330.00	\$82,500.00	\$275.00	\$68,750.00	\$450.00	\$112,500.00
511.03	PREPARATION FOR FULL DEPTH CONCRETE BRIDGE DECK REPAIRS	SY	30.00	\$575.00	\$17,250.00	\$500.00	\$15,000.00	\$700.00	\$21,000.00
512.02	PREPARATION FOR CONCRETE REPAIRS, CLASS II	SY	50.00	\$650.00	\$32,500.00	\$800.00	\$40,000.00	\$650.00	\$42,500.00
520.01	CONCRETE CLASS AA	CY	32.00	\$1,250.00	\$40,000.00	\$800.00	\$25,600.00	\$450.00	\$14,400.00
520.0201	CONCRETE CLASS AA, ABOVE FOOTINGS	CY	43.00	\$1,600.00	\$68,800.00	\$1,600.00	\$68,800.00	\$2,300.00	\$98,900.00
534.3	WATER REPELLENT (SILANE/SILOXANE)	GAL	28.00	\$85.00	\$2,380.00	\$100.00	\$2,800.00	\$65.00	\$1,820.00
538.5	BARRIER MEMBRANE, HEAT WELDED (F)	SY	32.00	\$47.00	\$1,504.00	\$22.00	\$704.00	\$17.50	\$560.00
538.6	BARRIER MEMBRANE, HEAT WELDED - MACHINE METHOD (F)	SY	1,410.00	\$26.00	\$36,860.00	\$22.00	\$31,020.00	\$17.50	\$24,675.00
540.511	GALVANIC CORROSION PROTECTION SYSTEM (DISTRIBUTED ANODES)	LF	225.00	\$50.00	\$11,250.00	\$42.00	\$9,450.00	\$38.00	\$8,550.00
540.512	GALVANIC CORROSION PROTECTION SYSTEM (DISCRETE ANODES)	EA	2,640.00	\$25.00	\$66,000.00	\$19.00	\$50,160.00	\$16.00	\$42,240.00
544.2	REINFORCING STEEL, EPOXY COATED (F)	LB	3,980.00	\$2.00	\$7,960.00	\$2.00	\$7,960.00	\$5.00	\$19,900.00
544.21	REINFORCING STEEL, EPOXY COATED, MECHANICAL CONNECTORS (F)	LB	55.00	\$4.00	\$220.00	\$10.00	\$550.00	\$35.00	\$1,925.00
559.41	ASPHALTIC PLUG FOR CRACK CONTROL (F)	LF	107.00	\$110.00	\$11,770.00	\$90.00	\$9,630.00	\$80.00	\$8,560.00
561.1001	PREFABRICATED STRIP SEAL EXPANSION JOINT (F)	LF	58.00	\$810.00	\$46,980.00	\$750.00	\$43,500.00	\$550.00	\$31,900.00
561.1002	PREFABRICATED STRIP SEAL EXPANSION JOINT (F)	LF	58.00	\$810.00	\$46,980.00	\$750.00	\$43,500.00	\$550.00	\$31,900.00

Item No.	Description	Unit	Quantity	PS&E		MILLER CONSTRUCTION, INC. 3103 US RT S SOUTH WINDSOR, VT 05089-0086		AUDLEY R. S. INC. 111 ROUTE 3 BOW, NH 03304-4025	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
563.072	ALUMINUM POST ASSEMBLY FOR F RAIL (2-BAR)	EA	4.00	\$500.00	\$2,000.00	\$400.00	\$1,600.00	\$300.00	\$1,200.00
563.8	RESETTING BRIDGE RAIL	LF	4.00	\$435.00	\$1,740.00	\$1,500.00	\$6,000.00	\$750.00	\$3,000.00
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	1,070.00	\$35.00	\$37,450.00	\$48.00	\$51,360.00	\$10.00	\$10,700.00
606.41741	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL - BRIDGE	LF	900.00	\$55.00	\$49,500.00	\$74.00	\$66,600.00	\$54.00	\$48,600.00
606.9523	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 3	U	5.00	\$4,100.00	\$20,500.00	\$4,600.00	\$23,000.00	\$5,500.00	\$27,500.00
609.5	RESET GRANITE CURB	LF	170.00	\$30.00	\$5,100.00	\$22.00	\$3,740.00	\$19.00	\$3,230.00
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	7,000.00	\$1.00	\$7,000.00	\$1.00	\$7,000.00	\$1.00	\$7,000.00
618.7	FLAGGERS	HR	1,100.00	\$25.00	\$27,500.00	\$35.00	\$38,500.00	\$33.50	\$36,850.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$75,000.00	\$75,000.00	\$155,000.00	\$155,000.00	\$75,000.00	\$75,000.00
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	6.00	\$3,900.00	\$23,400.00	\$6,000.00	\$36,000.00	\$5,500.00	\$33,000.00
628.2	SAWED BITUMINOUS PAVEMENT	LF	1,080.00	\$2.50	\$2,700.00	\$5.00	\$5,400.00	\$1.00	\$1,080.00
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	17,800.00	\$0.50	\$8,900.00	\$0.28	\$4,984.00	\$0.25	\$4,450.00
632.1104	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 4" LINE	LF	1,800.00	\$1.50	\$2,700.00	\$2.20	\$3,960.00	\$2.00	\$3,600.00
632.3118	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 18" LINE	LF	32.00	\$18.00	\$576.00	\$25.00	\$800.00	\$20.00	\$640.00
632.911	OBLITERATE PAVE. MARKING LINE, 12" WIDE & UNDER	LF	6,500.00	\$1.00	\$6,500.00	\$0.83	\$5,395.00	\$1.00	\$6,500.00
645.531	SILT FENCE	LF	200.00	\$3.50	\$700.00	\$5.00	\$1,000.00	\$4.00	\$800.00
646.31	TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS	SY	200.00	\$4.25	\$850.00	\$5.00	\$1,000.00	\$4.00	\$800.00
647.1	HUMUS	CY	5.00	\$60.00	\$250.00	\$60.00	\$300.00	\$80.00	\$400.00
670.104	TEMPORARY PORTABLE LIGHTING	U	3.00	\$3,750.00	\$11,250.00	\$5,000.00	\$15,000.00	\$6,000.00	\$18,000.00
692.	MOBILIZATION	U	1.00	\$110,000.00	\$110,000.00	\$140,000.00	\$140,000.00	\$235,500.00	\$235,500.00
697.31	PROJECT OPERATIONS PLAN	U	1.00	\$1,500.00	\$1,500.00	\$3,500.00	\$3,500.00	\$1,350.00	\$1,350.00
698.13	FIELD OFFICE TYPE C	MON	9.00	\$1,650.00	\$14,850.00	\$1,600.00	\$14,400.00	\$2,000.00	\$18,000.00
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	5,000.00	\$1.00	\$5,000.00	\$1.00	\$5,000.00	\$1.00	\$5,000.00
1002.1	REPAIRS OR REPLACEMENTS AS NEEDED - BRIDGE STRUCTURES	\$	1,000.00	\$1.00	\$1,000.00	\$1.00	\$1,000.00	\$1.00	\$1,000.00
1010.15	FUEL ADJUSTMENT	\$	20,000.00	\$1.00	\$20,000.00	\$1.00	\$20,000.00	\$1.00	\$20,000.00
Totals:					\$1,202,560.00		\$1,330,066.00		\$1,389,745.00
Alt. Totals:									
Totals:					\$1,202,560.00		\$1,330,066.00		\$1,389,745.00

PS&E Comparison

BETHLEHEM
41901
X-A004(771)

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
202.6	CURB REMOVAL FOR SALVAGE	LF	675.00	\$6.00	\$4,050.00	\$4.00	\$2,700.00	\$1,350.00
203.1	COMMON EXCAVATION	CY	81.00	\$50.00	\$4,050.00	\$40.00	\$3,240.00	\$810.00
203.11	COMMON EXCAVATION - LRS	CY	35.00	\$60.00	\$2,100.00	\$35.00	\$1,225.00	\$875.00
304.3	CRUSHED GRAVEL (F)	CY	33.00	\$60.00	\$1,980.00	\$55.00	\$1,815.00	\$165.00
403.11	HOT BITUMINOUS PAVEMENT, MACHINE METHOD	TON	405.00	\$149.00	\$60,345.00	\$140.00	\$56,700.00	\$3,645.00
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	85.00	\$193.00	\$16,405.00	\$155.00	\$13,175.00	\$3,230.00
403.6	PAVEMENT JOINT ADHESIVE	LF	6,700.00	\$1.00	\$6,700.00	\$0.70	\$4,690.00	\$2,010.00
403.61	PAVEMENT JOINT ADHESIVE (BRIDGE BASE)	LF	2,020.00	\$1.00	\$2,020.00	\$0.75	\$1,515.00	\$505.00
403.911	HOT BITUMINOUS BRIDGE PAVEMENT, 1" BASE COURSE	TON	83.00	\$248.00	\$20,584.00	\$200.00	\$16,600.00	\$3,984.00
403.99	TEMPORARY BITUMINOUS PAVEMENT	TON	103.00	\$198.00	\$20,394.00	\$210.00	\$21,630.00	(\$1,236.00)
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	325.00	\$10.00	\$3,250.00	\$6.00	\$1,950.00	\$1,300.00
417.	COLD PLANING BITUMINOUS SURFACES	SY	3,300.00	\$6.25	\$20,625.00	\$7.00	\$23,100.00	(\$2,475.00)
502.101	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$109,000.00	\$109,000.00	\$120,000.00	\$120,000.00	(\$11,000.00)
511.0001	CONCRETE BRIDGE DECK PAVEMENT REMOVAL (F)	SY	1,275.00	\$24.00	\$30,600.00	\$20.00	\$25,500.00	\$5,100.00

Items

511.02	PREPARATION FOR PARTIAL DEPTH CONCRETE BRIDGE DECK REPAIRS	SY	250.00	\$275.00	\$68,750.00	\$330.00	\$82,500.00	(\$13,750.00)
511.03	PREPARATION FOR FULL DEPTH CONCRETE BRIDGE DECK REPAIRS	SY	30.00	\$500.00	\$15,000.00	\$575.00	\$17,250.00	(\$2,250.00)
512.02	PREPARATION FOR CONCRETE REPAIRS, CLASS II	SY	50.00	\$800.00	\$40,000.00	\$650.00	\$32,500.00	\$7,500.00
520.01	CONCRETE CLASS AA	CY	32.00	\$800.00	\$25,600.00	\$1,250.00	\$40,000.00	(\$14,400.00)
520.0201	CONCRETE CLASS AA, ABOVE FOOTINGS	CY	43.00	\$1,600.00	\$68,800.00	\$1,600.00	\$68,800.00	\$0.00
534.3	WATER REPELLENT (SILANE/SILOXANE)	GAL	28.00	\$100.00	\$2,800.00	\$85.00	\$2,380.00	\$420.00
538.5	BARRIER MEMBRANE, HEAT WELDED (F)	SY	32.00	\$22.00	\$704.00	\$47.00	\$1,504.00	(\$800.00)
538.6	BARRIER MEMBRANE, HEAT WELDED - MACHINE METHOD (F)	SY	1,410.00	\$22.00	\$31,020.00	\$26.00	\$36,660.00	(\$5,640.00)
540.511	GALVANIC CORROSION PROTECTION SYSTEM (DISTRIBUTED ANODES)	LF	225.00	\$42.00	\$9,450.00	\$50.00	\$11,250.00	(\$1,800.00)
540.512	GALVANIC CORROSION PROTECTION SYSTEM (DISCRETE ANODES)	EA	2,640.00	\$19.00	\$50,160.00	\$25.00	\$66,000.00	(\$15,840.00)
544.2	REINFORCING STEEL, EPOXY COATED (F)	LB	3,980.00	\$2.00	\$7,960.00	\$2.00	\$7,960.00	\$0.00
544.21	REINFORCING STEEL, EPOXY COATED, MECHANICAL CONNECTORS (F)	LB	55.00	\$10.00	\$550.00	\$4.00	\$220.00	\$330.00
559.41	ASPHALTIC PLUG FOR CRACK CONTROL (F)	LF	107.00	\$90.00	\$9,630.00	\$110.00	\$11,770.00	(\$2,140.00)
561.1001	PREFABRICATED STRIP SEAL EXPANSION JOINT (F)	LF	58.00	\$750.00	\$43,500.00	\$810.00	\$46,980.00	(\$3,480.00)
561.1002	PREFABRICATED STRIP SEAL EXPANSION JOINT (F)	LF	58.00	\$750.00	\$43,500.00	\$810.00	\$46,980.00	(\$3,480.00)
563.072	ALUMINUM POST ASSEMBLY FOR F RAIL (2-BAR)	EA	4.00	\$400.00	\$1,600.00	\$500.00	\$2,000.00	(\$400.00)
563.8	RESETTING BRIDGE RAIL	LF	4.00	\$1,500.00	\$6,000.00	\$435.00	\$1,740.00	\$4,260.00
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	1,070.00	\$48.00	\$51,360.00	\$35.00	\$37,450.00	\$13,910.00
606.41741	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL - BRIDGE	LF	900.00	\$74.00	\$66,600.00	\$55.00	\$49,500.00	\$17,100.00
606.9523	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 3	U	5.00	\$4,600.00	\$23,000.00	\$4,100.00	\$20,500.00	\$2,500.00
609.5	RESET GRANITE CURB	LF	170.00	\$22.00	\$3,740.00	\$30.00	\$5,100.00	(\$1,360.00)

618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	7,000.00	\$1.00	\$7,000.00	\$1.00	\$7,000.00	\$1.00	\$7,000.00	\$0.00
618.7	FLAGGERS	HR	1,100.00	\$35.00	\$38,500.00	\$25.00	\$27,500.00	\$25.00	\$27,500.00	\$11,000.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$155,000.00	\$155,000.00	\$75,000.00	\$75,000.00	\$75,000.00	\$75,000.00	\$80,000.00
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	6.00	\$6,000.00	\$36,000.00	\$3,900.00	\$23,400.00	\$3,900.00	\$23,400.00	\$12,600.00
628.2	SAWED BITUMINOUS PAVEMENT	LF	1,080.00	\$5.00	\$5,400.00	\$2.50	\$2,700.00	\$2.50	\$2,700.00	\$2,700.00
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	17,800.00	\$0.28	\$4,984.00	\$0.50	\$8,900.00	\$0.50	\$8,900.00	(\$3,916.00)
632.1104	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 4" LINE	LF	1,800.00	\$2.20	\$3,960.00	\$1.50	\$2,700.00	\$1.50	\$2,700.00	\$1,260.00
632.3118	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 18" LINE	LF	32.00	\$25.00	\$800.00	\$18.00	\$576.00	\$18.00	\$576.00	\$224.00
632.911	OBLITERATE PAVE. MARKING LINE, 12" WIDE & UNDER	LF	6,500.00	\$0.83	\$5,395.00	\$1.00	\$6,500.00	\$1.00	\$6,500.00	(\$1,105.00)
645.531	SILT FENCE	LF	200.00	\$5.00	\$1,000.00	\$3.50	\$700.00	\$3.50	\$700.00	\$300.00
646.31	TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS	SY	200.00	\$5.00	\$1,000.00	\$4.25	\$850.00	\$4.25	\$850.00	\$150.00
647.1	HUMUS	CY	5.00	\$60.00	\$300.00	\$50.00	\$250.00	\$50.00	\$250.00	\$50.00
670.104	TEMPORARY PORTABLE LIGHTING	U	3.00	\$5,000.00	\$15,000.00	\$3,750.00	\$11,250.00	\$3,750.00	\$11,250.00	\$3,750.00
692.	MOBILIZATION	U	1.00	\$140,000.00	\$140,000.00	\$110,000.00	\$110,000.00	\$110,000.00	\$110,000.00	\$30,000.00
697.31	PROJECT OPERATIONS PLAN	U	1.00	\$3,500.00	\$3,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$2,000.00
698.13	FIELD OFFICE TYPE C	MON	9.00	\$1,600.00	\$14,400.00	\$1,650.00	\$14,850.00	\$1,650.00	\$14,850.00	(\$450.00)
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	5,000.00	\$1.00	\$5,000.00	\$1.00	\$5,000.00	\$1.00	\$5,000.00	\$0.00
1002.1	REPAIRS OR REPLACEMENTS AS NEEDED - BRIDGE STRUCTURES	\$	1,000.00	\$1.00	\$1,000.00	\$1.00	\$1,000.00	\$1.00	\$1,000.00	\$0.00
1010.15	FUEL ADJUSTMENT	\$	20,000.00	\$1.00	\$20,000.00	\$1.00	\$20,000.00	\$1.00	\$20,000.00	\$0.00

Total: \$1,330,066.00

\$1,202,560.00

\$127,506.00