

**State of New Hampshire  
Department of Transportation**

23786.01

**Project:** TURNPIKE DRAINAGE  
REHABILITATION NON-FEDERAL  
23786

**County and Code:** HILLSBOROUGH COUNTY 011, MERRIMACK013 &  
STRAFFORD 017

**Date Bids Open:** December 4, 2014

**Scope of Work:** REPAIRS TO OUTLET/INLET PIPES, CULVERT  
HEADWALLS AND REPLACEMENT OF STONE FILL

**Location:** FE EVERETT TURNPIKE

**Completion Date:** September 25, 2015

A BUSBY CONSTRUCTION CO., INC. 71 NH ROUTE 111 ATKINSON, NH 03811	\$494,335.50
B NORTHEAST EARTH MECHANICS INC (B001) 159 BARNSTEAD RD PITTSFIELD, NH 03263	\$549,279.00
C PICHETTE BROTHERS CONSTRUCTION CO INC 1650 ELM STREET STE 202 MANCHESTER NH 03101	\$599,661.00

Item No:	Description	Unit	Quantity	A		B		C	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
202.41	REMOVAL OF EXISTING PIPE 0-24" DIAMETER	LF	800.00	\$5.00	\$4,000.00	\$7.00	\$5,600.00	\$10.00	\$8,000.00
202.42	REMOVAL OF EXISTING PIPE OVER 24" DIAMETER	LF	168.00	\$12.00	\$2,016.00	\$15.00	\$2,520.00	\$15.00	\$2,520.00
203.1	COMMON EXCAVATION	CY	25.00	\$12.00	\$300.00	\$10.00	\$250.00	\$100.00	\$2,500.00
203.601	EMBANKMENT-IN-PLACE	CY	205.00	\$24.00	\$4,920.00	\$29.00	\$5,945.00	\$125.00	\$25,625.00
206.1	COMMON STRUCTURE EXCAVATION	CY	270.00	\$12.00	\$3,240.00	\$38.00	\$10,260.00	\$75.00	\$20,250.00
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	25.00	\$75.00	\$1,875.00	\$45.00	\$1,125.00	\$75.00	\$1,875.00
206.2	ROCK STRUCTURE EXCAVATION	CY	63.00	\$30.00	\$1,890.00	\$85.00	\$5,355.00	\$150.00	\$9,450.00
209.1	GRANULAR BACKFILL	CY	50.00	\$16.00	\$800.00	\$30.00	\$1,500.00	\$40.00	\$2,000.00
503.101	WATER DIVERSION STRUCTURE	U	1.00	\$750.00	\$750.00	\$3,150.00	\$3,150.00	\$1,500.00	\$1,500.00
503.102	WATER DIVERSION STRUCTURE	U	1.00	\$750.00	\$750.00	\$3,200.00	\$3,200.00	\$3,100.00	\$3,100.00
503.103	WATER DIVERSION STRUCTURE	U	1.00	\$750.00	\$750.00	\$3,150.00	\$3,150.00	\$3,000.00	\$3,000.00
503.104	WATER DIVERSION STRUCTURE	U	1.00	\$750.00	\$750.00	\$3,150.00	\$3,150.00	\$3,100.00	\$3,100.00
503.105	WATER DIVERSION STRUCTURE	U	1.00	\$750.00	\$750.00	\$3,200.00	\$3,200.00	\$2,000.00	\$2,000.00
503.106	WATER DIVERSION STRUCTURE	U	1.00	\$750.00	\$750.00	\$3,000.00	\$3,000.00	\$2,000.00	\$2,000.00
503.107	WATER DIVERSION STRUCTURE	U	1.00	\$750.00	\$750.00	\$3,000.00	\$3,000.00	\$4,000.00	\$4,000.00
520.01	CONCRETE CLASS AA	CY	54.00	\$1,000.00	\$54,000.00	\$1,100.00	\$59,400.00	\$700.00	\$37,800.00
544.01	REINFORCING STEEL	LB	1,492.00	\$1.00	\$1,492.00	\$1.00	\$1,492.00	\$12.00	\$17,904.00
585.2	STONE FILL, CLASS B	CY	112.00	\$30.00	\$3,360.00	\$45.00	\$5,040.00	\$65.00	\$7,280.00
585.3	STONE FILL, CLASS C	CY	158.00	\$36.00	\$5,688.00	\$45.00	\$7,110.00	\$85.00	\$13,430.00
593.411	GEOTEXTILE; PERM CONTROL CL.1, NON-WOVEN	SY	958.00	\$1.50	\$1,437.00	\$2.50	\$2,395.00	\$9.00	\$8,622.00

Item No:	Description	Unit	Quantity	A		B		C	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
602.0005	REPAIRING AND PARGING PIPES	SY	17.00	\$400.00	\$6,800.00	\$650.00	\$11,050.00	\$500.00	\$8,500.00
602.44813	CENTRIFUGALLY CAST CONCRETE CATCH BASIN	U	17.00	\$3,800.00	\$64,600.00	\$4,800.00	\$81,600.00	\$4,100.00	\$69,700.00
603.00224	24" R.C. PIPE, 2000D	LF	8.00	\$275.00	\$2,200.00	\$190.00	\$1,520.00	\$150.00	\$1,200.00
603.00236	36" R.C. PIPE, 2000D	LF	56.00	\$350.00	\$19,600.00	\$180.00	\$10,080.00	\$325.00	\$18,200.00
603.00248	48" R.C. PIPE, 2000D	LF	96.00	\$375.00	\$36,000.00	\$240.00	\$23,040.00	\$350.00	\$33,600.00
603.30118	18" R.C. END SECTIONS	EA	1.00	\$500.00	\$500.00	\$1,200.00	\$1,200.00	\$700.00	\$700.00
603.33112	12" CORR. POLYETHYLENE END SECTION	EA	8.00	\$140.00	\$1,120.00	\$150.00	\$1,200.00	\$215.00	\$1,720.00
603.44012	12" CORR. POLYETHYLENE PIPE FOR SLOPE DRAINAGE	LF	460.00	\$40.00	\$18,400.00	\$50.00	\$23,000.00	\$75.00	\$34,500.00
603.80212	12" PLASTIC PIPE (SMOOTH INTERIOR)	LF	460.00	\$32.00	\$14,720.00	\$52.00	\$23,920.00	\$75.00	\$34,500.00
604.12	CATCH BASINS TYPE B	U	2.00	\$2,500.00	\$5,000.00	\$4,000.00	\$8,000.00	\$3,100.00	\$6,200.00
604.4	RECONSTRUCTING/ADJUSTING CATCH BASIN & DROP INLET	LF	30.00	\$500.00	\$15,000.00	\$325.00	\$9,750.00	\$450.00	\$13,500.00
604.72	GRATES & FRAMES, TYPE B	EA	15.00	\$580.00	\$8,700.00	\$500.00	\$7,500.00	\$575.00	\$8,625.00
606.012	W6X9 STEEL POST REPLACE- MENTS FOR BEAM GUARDRAIL POSTS	EA	25.00	\$75.00	\$1,875.00	\$80.00	\$2,000.00	\$200.00	\$5,000.00
606.91	RESETTING OR SETTING GUARDRAIL	LF	25.00	\$45.00	\$1,125.00	\$35.00	\$875.00	\$50.00	\$1,250.00
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	20,000.00	\$1.00	\$20,000.00	\$1.00	\$20,000.00	\$1.00	\$20,000.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$55,000.00	\$55,000.00	\$16,000.00	\$16,000.00	\$50,000.00	\$50,000.00
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	2.00	\$2,000.00	\$4,000.00	\$2,500.00	\$5,000.00	\$1,000.00	\$2,000.00
619.63	TRUCK-MOUNTED IMPACT ATTENUATOR, TEST LEVEL 3	U	2.00	\$7,500.00	\$15,000.00	\$6,300.00	\$12,600.00	\$1,500.00	\$3,000.00
645.531	SILT FENCE	LF	1,150.00	\$1.75	\$2,012.50	\$5.00	\$5,750.00	\$3.00	\$3,450.00

Item No:	Description	Unit	Quantity	A		B		C	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
646.41	TURF ESTABLISHMENT WITH MULCH, TACKIFIERS AND HUMUS	SY	921.00	\$15.00	\$13,815.00	\$12.00	\$11,052.00	\$10.00	\$9,210.00
670.0491	CONSTRUCT AND REMOVE TEMPORARY ACCESS ROAD	U	1.00	\$7,500.00	\$7,500.00	\$7,200.00	\$7,200.00	\$8,250.00	\$8,250.00
670.0492	CONSTRUCT AND REMOVE TEMPORARY ACCESS ROAD	U	1.00	\$6,000.00	\$6,000.00	\$5,000.00	\$5,000.00	\$3,300.00	\$3,300.00
670.0493	CONSTRUCT AND REMOVE TEMPORARY ACCESS ROAD	U	1.00	\$7,200.00	\$7,200.00	\$7,600.00	\$7,600.00	\$6,600.00	\$6,600.00
670.0494	CONSTRUCT AND REMOVE TEMPORARY ACCESS ROAD	U	1.00	\$6,200.00	\$6,200.00	\$6,200.00	\$6,200.00	\$3,300.00	\$3,300.00
670.0495	CONSTRUCT AND REMOVE TEMPORARY ACCESS ROAD	U	1.00	\$6,500.00	\$6,500.00	\$6,600.00	\$6,600.00	\$4,550.00	\$4,550.00
670.0496	CONSTRUCT AND REMOVE TEMPORARY ACCESS ROAD	U	1.00	\$5,700.00	\$5,700.00	\$5,700.00	\$5,700.00	\$2,100.00	\$2,100.00
670.0497	CONSTRUCT AND REMOVE TEMPORARY ACCESS ROAD	U	1.00	\$6,000.00	\$6,000.00	\$6,500.00	\$6,500.00	\$3,750.00	\$3,750.00
692	MOBILIZATION	U	1.00	\$24,000.00	\$24,000.00	\$70,000.00	\$70,000.00	\$37,500.00	\$37,500.00
699	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	2,500.00	\$1.00	\$2,500.00	\$1.00	\$2,500.00	\$1.00	\$2,500.00
1008.11	ALTERATIONS AND ADDITIONS AS NEEDED - UNANTICIPATED WORK	\$	25,000.00	\$1.00	\$25,000.00	\$1.00	\$25,000.00	\$1.00	\$25,000.00
1010.15	FUEL ADJUSTMENT	\$	2,000.00	\$1.00	\$2,000.00	\$1.00	\$2,000.00	\$1.00	\$2,000.00
					\$494,335.50		\$549,279.00		\$599,661.00

## A - PS&E Comparison

PS&E = NHDOT Cost Estimate

Item No:	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
202.41	REMOVAL OF EXISTING PIPE 0-24" DIAMETER	LF	800.00	\$5.00	\$4,000.00	\$14.00	\$11,200.00	(\$7,200.00)
202.42	REMOVAL OF EXISTING PIPE OVER 24" DIAMETER	LF	168.00	\$12.00	\$2,016.00	\$37.50	\$6,300.00	(\$4,284.00)
203.1	COMMON EXCAVATION	CY	25.00	\$12.00	\$300.00	\$8.00	\$200.00	\$100.00
203.601	EMBANKMENT-IN-PLACE	CY	205.00	\$24.00	\$4,920.00	\$20.00	\$4,100.00	\$820.00
206.1	COMMON STRUCTURE EXCAVATION	CY	270.00	\$12.00	\$3,240.00	\$30.00	\$8,100.00	(\$4,860.00)
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	25.00	\$75.00	\$1,875.00	\$38.00	\$950.00	\$925.00
206.2	ROCK STRUCTURE EXCAVATION	CY	63.00	\$30.00	\$1,890.00	\$65.00	\$4,095.00	(\$2,205.00)
209.1	GRANULAR BACKFILL	CY	50.00	\$16.00	\$800.00	\$31.00	\$1,550.00	(\$750.00)
503.101	WATER DIVERSION STRUCTURE	U	1.00	\$750.00	\$750.00	\$1,000.00	\$1,000.00	(\$250.00)
503.102	WATER DIVERSION STRUCTURE	U	1.00	\$750.00	\$750.00	\$1,500.00	\$1,500.00	(\$750.00)
503.103	WATER DIVERSION STRUCTURE	U	1.00	\$750.00	\$750.00	\$1,000.00	\$1,000.00	(\$250.00)
503.104	WATER DIVERSION STRUCTURE	U	1.00	\$750.00	\$750.00	\$1,500.00	\$1,500.00	(\$750.00)
503.105	WATER DIVERSION STRUCTURE	U	1.00	\$750.00	\$750.00	\$1,500.00	\$1,500.00	(\$750.00)
503.106	WATER DIVERSION STRUCTURE	U	1.00	\$750.00	\$750.00	\$2,000.00	\$2,000.00	(\$1,250.00)
503.107	WATER DIVERSION STRUCTURE	U	1.00	\$750.00	\$750.00	\$1,500.00	\$1,500.00	(\$750.00)
520.01	CONCRETE CLASS AA	CY	54.00	\$1,000.00	\$54,000.00	\$675.00	\$36,450.00	\$17,550.00
544.01	REINFORCING STEEL	LB	1,492.00	\$1.00	\$1,492.00	\$3.50	\$5,222.00	(\$3,730.00)
585.2	STONE FILL, CLASS B	CY	112.00	\$30.00	\$3,360.00	\$80.00	\$8,960.00	(\$5,600.00)
585.3	STONE FILL, CLASS C	CY	158.00	\$36.00	\$5,688.00	\$60.00	\$9,480.00	(\$3,792.00)
593.411	GEOTEXTILE; PERM CONTROL CL.1, NON-WOVEN	SY	958.00	\$1.50	\$1,437.00	\$2.25	\$2,155.50	(\$718.50)

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Item No:	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
602.0005	REPAIRING AND PARGING PIPES	SY	17.00	\$400.00	\$6,800.00	\$187.50	\$3,187.50	\$3,612.50
602.44813	CENTRIFUGALLY CAST CONCRETE CATCH BASIN	U	17.00	\$3,800.00	\$64,600.00	\$1,800.00	\$30,600.00	\$34,000.00
603.00224	24" R.C. PIPE, 2000D	LF	8.00	\$275.00	\$2,200.00	\$65.00	\$520.00	\$1,680.00
603.00236	36" R.C. PIPE, 2000D	LF	56.00	\$350.00	\$19,600.00	\$80.00	\$4,480.00	\$15,120.00
603.00248	48" R.C. PIPE, 2000D	LF	96.00	\$375.00	\$36,000.00	\$135.00	\$12,960.00	\$23,040.00
603.30118	18" R.C. END SECTIONS	EA	1.00	\$500.00	\$500.00	\$725.00	\$725.00	(\$225.00)
603.33112	12" CORR. POLYETHYLENE END SECTION	EA	8.00	\$140.00	\$1,120.00	\$215.00	\$1,720.00	(\$600.00)
603.44012	12" CORR. POLYETHYLENE PIPE FOR SLOPE DRAINAGE	LF	460.00	\$40.00	\$18,400.00	\$55.00	\$25,300.00	(\$6,900.00)
603.80212	12" PLASTIC PIPE (SMOOTH INTERIOR)	LF	460.00	\$32.00	\$14,720.00	\$48.00	\$22,080.00	(\$7,360.00)
604.12	CATCH BASINS TYPE B	U	2.00	\$2,500.00	\$5,000.00	\$2,250.00	\$4,500.00	\$500.00
604.4	RECONSTRUCTING/ADJUSTING CATCH BASIN & DROP INLET	LF	30.00	\$500.00	\$15,000.00	\$300.00	\$9,000.00	\$6,000.00
604.72	GRATES & FRAMES, TYPE B	EA	15.00	\$580.00	\$8,700.00	\$400.00	\$6,000.00	\$2,700.00
606.012	W6X9 STEEL POST REPLACE- MENTS FOR BEAM GUARDRAIL POSTS	EA	25.00	\$75.00	\$1,875.00	\$48.00	\$1,200.00	\$675.00
606.91	RESETTING OR SETTING GUARDRAIL	LF	25.00	\$45.00	\$1,125.00	\$6.50	\$162.50	\$962.50
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	20,000.00	\$1.00	\$20,000.00	\$1.00	\$20,000.00	\$0.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$55,000.00	\$55,000.00	\$20,000.00	\$20,000.00	\$35,000.00
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	2.00	\$2,000.00	\$4,000.00	\$1,900.00	\$3,800.00	\$200.00
619.63	TRUCK-MOUNTED IMPACT ATTENUATOR, TEST LEVEL 3	U	2.00	\$7,500.00	\$15,000.00	\$3,200.00	\$6,400.00	\$8,600.00
645.531	SILT FENCE	LF	1,150.00	\$1.75	\$2,012.50	\$2.50	\$2,875.00	(\$862.50)

## A - PS&E Comparison

PS&E = NHDOT Cost Estimate

Item No:	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference	
				Unit Price	Total	Unit Price	Total		
646.41	TURF ESTABLISHMENT WITH MULCH, TACKIFIERS AND HUMUS	SY	921.00	\$15.00	\$13,815.00	\$6.00	\$5,526.00	\$8,289.00	
670.0491	CONSTRUCT AND REMOVE TEMPORARY ACCESS ROAD	U	1.00	\$7,500.00	\$7,500.00	\$9,300.00	\$9,300.00	(\$1,800.00)	
670.0492	CONSTRUCT AND REMOVE TEMPORARY ACCESS ROAD	U	1.00	\$6,000.00	\$6,000.00	\$3,100.00	\$3,100.00	\$2,900.00	
670.0493	CONSTRUCT AND REMOVE TEMPORARY ACCESS ROAD	U	1.00	\$7,200.00	\$7,200.00	\$10,450.00	\$10,450.00	(\$3,250.00)	
670.0494	CONSTRUCT AND REMOVE TEMPORARY ACCESS ROAD	U	1.00	\$6,200.00	\$6,200.00	\$5,300.00	\$5,300.00	\$900.00	
670.0495	CONSTRUCT AND REMOVE TEMPORARY ACCESS ROAD	U	1.00	\$6,500.00	\$6,500.00	\$5,450.00	\$5,450.00	\$1,050.00	
670.0496	CONSTRUCT AND REMOVE TEMPORARY ACCESS ROAD	U	1.00	\$5,700.00	\$5,700.00	\$2,350.00	\$2,350.00	\$3,350.00	
670.0497	CONSTRUCT AND REMOVE TEMPORARY ACCESS ROAD	U	1.00	\$6,000.00	\$6,000.00	\$4,200.00	\$4,200.00	\$1,800.00	
692	MOBILIZATION	U	1.00	\$24,000.00	\$24,000.00	\$60,000.00	\$60,000.00	(\$36,000.00)	
699	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	2,500.00	\$1.00	\$2,500.00	\$1.00	\$2,500.00	\$0.00	
1008.11	ALTERATIONS AND ADDITIONS AS NEEDED - UNANTICIPATED WORK	\$	25,000.00	\$1.00	\$25,000.00	\$1.00	\$25,000.00	\$0.00	
1010.15	FUEL ADJUSTMENT	\$	2,000.00	\$1.00	\$2,000.00	\$1.00	\$2,000.00	\$0.00	
					\$494,335.50			\$419,448.50	\$74,887.00