

**State of New Hampshire
Department of Transportation**

28914.01

Project: STATEWIDE NON-FEDERAL
28914

County and Code: HILLSBOROUGH COUNTY 011, MERRIMACK 013,
ROCKINGHAM 015 & STRAFFORD 017

Date Bids Open: August 28, 2014

Scope of Work: SIGN REPLACEMENT

Location: SEE THE PROSECUTION OF WORK

Completion Date: July 31, 2015

A ROADS SAFE TRAFFIC SYSTEMS, INC.
55 BODWELL ST. AVON, MA 02322

\$467,333.71

Item No:	Description	Unit	Quantity	Unit Price	Total	Unit Price	Total	Unit Price	Total
201.712	SELECTIVE CLEARING AND THINNING	SY	2,620.00	\$2.50	\$6,550.00				
614.523	MOLDED PULL BOX 17"X30"	EA	3.00	\$500.00	\$1,500.00				
614.73114	3" PVC CONDUIT, SCHEDULE 40	LF	290.00	\$17.50	\$5,075.00				
615.01201	TRAFFIC SIGN TYPE A, BREAKAWAY MOUNTS	SF	2,443.00	\$72.00	\$175,896.00				
615.013	REMOVING TRAFFIC SIGN TYPE A	U	8.00	\$500.00	\$4,000.00				
615.0201	TRAFFIC SIGN TYPE B	SF	78.50	\$45.00	\$3,532.50				
615.02201	TRAFFIC SIGN TYPE B, BREAKAWAY MOUNTS	SF	209.25	\$116.00	\$24,273.00				
615.024	RELOCATING TRAFFIC SIGN, TYPE B	U	3.00	\$800.00	\$2,400.00				
615.0301	TRAFFIC SIGN TYPE C	SF	319.13	\$35.00	\$11,169.55				
615.03201	TRAFFIC SIGN TYPE C, BREAKAWAY MOUNTS	SF	16.00	\$150.00	\$2,400.00				
615.0401	TRAFFIC SIGN TYPE AA	SF	453.50	\$16.00	\$7,256.00				
615.043	REMOVING TRAFFIC SIGN TYPE AA	U	1.00	\$500.00	\$500.00				
615.0501	TRAFFIC SIGN TYPE BB	SF	128.78	\$12.00	\$1,545.36				
615.0601	TRAFFIC SIGN TYPE CC	SF	150.63	\$10.00	\$1,506.30				
615.20302	REMOVING CANTILEVER TRAFFIC SIGN STRUCTURE	U	1.00	\$4,500.00	\$4,500.00				
615.30001	BRIDGE MOUNTED TRAFFIC SIGN STRUCTURE	U	1.00	\$14,500.00	\$14,500.00				
615.30002	BRIDGE MOUNTED TRAFFIC SIGN STRUCTURE	U	1.00	\$13,000.00	\$13,000.00				
615.30003	BRIDGE MOUNTED TRAFFIC SIGN STRUCTURE	U	1.00	\$14,500.00	\$14,500.00				
615.30004	BRIDGE MOUNTED TRAFFIC SIGN STRUCTURE	U	1.00	\$14,500.00	\$14,500.00				
615.303	REMOVING BRIDGE MOUNTED TRAFFIC SIGN STRUCTURE	U	6.00	\$500.00	\$3,000.00				

Item No:	Description	Unit	Quantity	Unit Price	Total	Unit Price	Total	Unit Price	Total
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	25,000.00	\$1.00	\$25,000.00				
618.7	FLAGGERS	HR	180.00	\$1.00	\$180.00				
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$7,500.00	\$7,500.00				
645.531	SILT FENCE	LF	200.00	\$10.00	\$2,000.00				
646.41	TURF ESTABLISHMENT WITH MULCH, TACKIFIERS AND HUMUS	SY	120.00	\$25.00	\$3,000.00				
677.1220	PERMANENT FIXED LOCATION DYNAMIC MESSAGE SIGN	U	1.00	\$66,500.00	\$66,500.00				
677.541	GROUND MOUNTED ITS EQUIPMENT CABINET	U	1.00	\$15,250.00	\$15,250.00				
677.5821	100 MBPS FIBER ETHERNET SWITCH	EA	1.00	\$4,500.00	\$4,500.00				
677.64	UNINTERRUPTABLE POWER SUPPLY (UPS)	EA	1.00	\$3,675.00	\$3,675.00				
677.9306	3-CONDUCTOR #6 AWG CABLE	LF	450.00	\$7.50	\$3,375.00				
692	MOBILIZATION	U	1.00	\$10,000.00	\$10,000.00				
1008.11	ALTERATIONS AND ADDITIONS AS NEEDED - UNANTICIPATED WORK	\$	12,750.00	\$1.00	\$12,750.00				
1010.15	FUEL ADJUSTMENT	\$	2,000.00	\$1.00	\$2,000.00				
					\$467,333.71				

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	
201.712	SELECTIVE CLEARING AND THINNING	SY	2,620.00	\$2.50	\$6,550.00	\$2.50	\$6,550.00	\$0.00
614.523	MOLDED PULL BOX 17"X30"	EA	3.00	\$500.00	\$1,500.00	\$650.00	\$1,950.00	(\$450.00)
614.73114	3" PVC CONDUIT, SCHEDULE 40	LF	290.00	\$17.50	\$5,075.00	\$7.25	\$2,102.50	\$2,972.50
615.01201	TRAFFIC SIGN TYPE A, BREAKAWAY MOUNTS	SF	2,443.00	\$72.00	\$175,896.00	\$60.00	\$146,580.00	\$29,316.00
615.013	REMOVING TRAFFIC SIGN TYPE A	U	8.00	\$500.00	\$4,000.00	\$300.00	\$2,400.00	\$1,600.00
615.0201	TRAFFIC SIGN TYPE B	SF	78.50	\$45.00	\$3,532.50	\$50.00	\$3,925.00	(\$392.50)
615.02201	TRAFFIC SIGN TYPE B, BREAKAWAY MOUNTS	SF	209.25	\$116.00	\$24,273.00	\$90.00	\$18,832.50	\$5,440.50
615.024	RELOCATING TRAFFIC SIGN, TYPE B	U	3.00	\$800.00	\$2,400.00	\$400.00	\$1,200.00	\$1,200.00
615.0301	TRAFFIC SIGN TYPE C	SF	319.13	\$35.00	\$11,169.55	\$55.00	\$17,552.15	(\$6,382.60)
615.03201	TRAFFIC SIGN TYPE C, BREAKAWAY MOUNTS	SF	16.00	\$150.00	\$2,400.00	\$105.00	\$1,680.00	\$720.00
615.0401	TRAFFIC SIGN TYPE AA	SF	453.50	\$16.00	\$7,256.00	\$15.50	\$7,029.25	\$226.75
615.043	REMOVING TRAFFIC SIGN TYPE AA	U	1.00	\$500.00	\$500.00	\$100.00	\$100.00	\$400.00
615.0501	TRAFFIC SIGN TYPE BB	SF	128.78	\$12.00	\$1,545.36	\$18.00	\$2,318.04	(\$772.68)
615.0601	TRAFFIC SIGN TYPE CC	SF	150.63	\$10.00	\$1,506.30	\$15.00	\$2,259.45	(\$753.15)
615.20302	REMOVING CANTILEVER TRAFFIC SIGN STRUCTURE	U	1.00	\$4,500.00	\$4,500.00	\$3,000.00	\$3,000.00	\$1,500.00
615.30001	BRIDGE MOUNTED TRAFFIC SIGN STRUCTURE	U	1.00	\$14,500.00	\$14,500.00	\$8,000.00	\$8,000.00	\$6,500.00
615.30002	BRIDGE MOUNTED TRAFFIC SIGN STRUCTURE	U	1.00	\$13,000.00	\$13,000.00	\$8,000.00	\$8,000.00	\$5,000.00
615.30003	BRIDGE MOUNTED TRAFFIC SIGN STRUCTURE	U	1.00	\$14,500.00	\$14,500.00	\$8,000.00	\$8,000.00	\$6,500.00
615.30004	BRIDGE MOUNTED TRAFFIC SIGN STRUCTURE	U	1.00	\$14,500.00	\$14,500.00	\$8,000.00	\$8,000.00	\$6,500.00
615.303	REMOVING BRIDGE MOUNTED TRAFFIC SIGN STRUCTURE	U	6.00	\$500.00	\$3,000.00	\$600.00	\$3,600.00	(\$600.00)

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		
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	25,000.00	\$1.00	\$25,000.00	\$1.00	\$25,000.00	\$0.00	
618.7	FLAGGERS	HR	180.00	\$1.00	\$180.00	\$22.00	\$3,960.00	(\$3,780.00)	
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$7,500.00	\$7,500.00	\$30,000.00	\$30,000.00	(\$22,500.00)	
645.531	SILT FENCE	LF	200.00	\$10.00	\$2,000.00	\$5.00	\$1,000.00	\$1,000.00	
646.41	TURF ESTABLISHMENT WITH MULCH, TACKIFIERS AND HUMUS	SY	120.00	\$25.00	\$3,000.00	\$8.00	\$960.00	\$2,040.00	
677.1220	PERMANENT FIXED LOCATION DYNAMIC MESSAGE SIGN	U	1.00	\$66,500.00	\$66,500.00	\$40,293.00	\$40,293.00	\$26,207.00	
677.541	GROUND MOUNTED ITS EQUIPMENT CABINET	U	1.00	\$15,250.00	\$15,250.00	\$12,600.00	\$12,600.00	\$2,650.00	
677.5821	100 MBPS FIBER ETHERNET SWITCH	EA	1.00	\$4,500.00	\$4,500.00	\$3,400.00	\$3,400.00	\$1,100.00	
677.64	UNINTERRUPTABLE POWER SUPPLY (UPS)	EA	1.00	\$3,675.00	\$3,675.00	\$1,600.00	\$1,600.00	\$2,075.00	
677.9306	3-CONDUCTOR #6 AWG CABLE	LF	450.00	\$7.50	\$3,375.00	\$2.46	\$1,107.00	\$2,268.00	
692	MOBILIZATION	U	1.00	\$10,000.00	\$10,000.00	\$40,000.00	\$40,000.00	(\$30,000.00)	
1008.11	ALTERATIONS AND ADDITIONS AS NEEDED - UNANTICIPATED WORK	\$	12,750.00	\$1.00	\$12,750.00	\$1.00	\$12,750.00	\$0.00	
1010.15	FUEL ADJUSTMENT	\$	2,000.00	\$1.00	\$2,000.00	\$1.00	\$2,000.00	\$0.00	
					\$467,333.71			\$427,748.89	\$39,584.82