

**State of New Hampshire  
Department of Transportation**

16067.01

**Project:** CARROLL X-A001(114) 16067  
AND CARROLL X-A001(115)  
16068

**County and Code:** COOS COUNTY 007

**Date Bids Open:** March 17, 2016

**Scope of Work:** RECONSTRUCTING TWO RAILWAY-HIGHWAY  
AT-GRADE CROSSINGS AND APPROACHES INCLUDING  
PROTECTIVE DEVICES

**Location:** AT TWO LOCATIONS ON US ROUTE 3 IN CARROLL

**Completion Date:** August 26, 2016

A RAILWORKS TRAIL SERVICES INC 170 LOCKHOUSE ROAD WESTFIELD MA 01085	\$530,671.00
B GORDON T. BURKE & SONS, INC. 67B SUGAR SHADE LANE NORTH CONWAY, NH 03860	\$584,881.00
C MAINE TRACK MAINTENANCE INC 259 MAIN ST FAIRFIELD ME 04937	\$688,813.00
D J.P. SICARD, INC. PO BOX 508 BARTON, VT 05822	\$767,016.00

Item No:	Description	Unit	Quantity	A		B		C	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
203.1	COMMON EXCAVATION	CY	680.00	\$19.00	\$12,920.00	\$35.00	\$23,800.00	\$17.00	\$11,560.00
203.71	REHANDLING EXCAVATED MATERIAL	CY	680.00	\$12.00	\$8,160.00	\$24.00	\$16,320.00	\$41.00	\$27,880.00
209.4	GRANULAR BACKFILL (GRAV)	CY	10.00	\$385.00	\$3,850.00	\$80.00	\$800.00	\$63.00	\$630.00
214	FINE GRADING	U	1.00	\$8,556.00	\$8,556.00	\$5,000.00	\$5,000.00	\$5,160.00	\$5,160.00
304.46	RAILROAD BALLAST	CY	680.00	\$72.00	\$48,960.00	\$32.00	\$21,760.00	\$81.00	\$55,080.00
403.1109	HOT BITUMINOUS PAVEMENT, MACHINE METHOD, HIGH STRENGTH	TON	60.00	\$249.00	\$14,940.00	\$317.00	\$19,020.00	\$225.00	\$13,500.00
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	110.00	\$249.00	\$27,390.00	\$317.00	\$34,870.00	\$225.00	\$24,750.00
403.6	PAVEMENT JOINT ADHESIVE	LF	1,010.00	\$5.00	\$5,050.00	\$4.00	\$4,040.00	\$5.00	\$5,050.00
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	80.00	\$6.00	\$480.00	\$10.00	\$800.00	\$6.00	\$480.00
417	COLD PLANING BITUMINOUS SURFACES	SY	1,040.00	\$10.00	\$10,400.00	\$15.00	\$15,600.00	\$8.50	\$8,840.00
593.213	GEOTEXTILE; SEPARATION CL.1, SLIT FIL.,WOVEN	SY	1,000.00	\$4.00	\$4,000.00	\$4.00	\$4,000.00	\$3.00	\$3,000.00
608.1201	2" BITUMINOUS SIDEWALK	SY	30.00	\$27.00	\$810.00	\$80.00	\$2,400.00	\$24.00	\$720.00
608.26	6" CONCRETE SIDEWALK (F)	SY	12.00	\$112.00	\$1,344.00	\$225.00	\$2,700.00	\$148.00	\$1,776.00
608.54	DETECTABLE WARNING DEVICES, CAST IRON	SY	3.00	\$478.00	\$1,434.00	\$340.00	\$1,020.00	\$634.00	\$1,902.00
609.03	FLUSH GRANITE CURB	LF	95.00	\$62.00	\$5,890.00	\$60.00	\$5,700.00	\$52.00	\$4,940.00
615.0301	TRAFFIC SIGN TYPE C	SF	70.00	\$75.00	\$5,250.00	\$73.00	\$5,110.00	\$70.00	\$4,900.00
615.0601	TRAFFIC SIGN TYPE CC	SF	10.00	\$25.00	\$250.00	\$28.00	\$280.00	\$70.00	\$700.00
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	15,000.00	\$1.00	\$15,000.00	\$1.00	\$15,000.00	\$1.00	\$15,000.00
618.7	FLAGGERS	HR	1,000.00	\$29.00	\$29,000.00	\$25.00	\$25,000.00	\$26.00	\$26,000.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$21,100.00	\$21,100.00	\$39,000.00	\$39,000.00	\$39,797.00	\$39,797.00
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	4.00	\$253.00	\$1,012.00	\$1,625.00	\$6,500.00	\$2,500.00	\$10,000.00

Item No:	Description	Unit	Quantity	A		B		C	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
619.27	TRAILER-MOUNTED SPEED LIMIT SIGN	U	4.00	\$253.00	\$1,012.00	\$1,800.00	\$7,200.00	\$1,750.00	\$7,000.00
628.2	SAWED BITUMINOUS PAVEMENT	LF	650.00	\$6.00	\$3,900.00	\$7.00	\$4,550.00	\$3.00	\$1,950.00
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	800.00	\$1.00	\$800.00	\$1.10	\$880.00	\$2.00	\$1,600.00
632.3124	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 24" LINE	LF	100.00	\$12.00	\$1,200.00	\$2.25	\$225.00	\$6.00	\$600.00
632.32	RETROREFLECT. THERMOPLAS. PAVEMENT MARKING, SYMBOL OR WORD	SF	260.00	\$9.00	\$2,340.00	\$14.00	\$3,640.00	\$9.00	\$2,340.00
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	100.00	\$14.00	\$1,400.00	\$5.00	\$500.00	\$4.00	\$400.00
645.531	SILT FENCE	LF	150.00	\$8.00	\$1,200.00	\$5.00	\$750.00	\$24.50	\$3,675.00
646.41	TURF ESTABLISHMENT WITH MULCH, TACKIFIERS AND HUMUS	SY	75.00	\$14.00	\$1,050.00	\$26.00	\$1,950.00	\$75.00	\$5,625.00
690.21	REMOVAL OF RAILROAD TRACK AND APPURTENANCES	TF	605.00	\$28.00	\$16,940.00	\$89.00	\$53,845.00	\$74.00	\$44,770.00
690.311	7" X 9" X 8'-6" CROSSTIES WIITH APPURTENANCES	EA	219.00	\$151.00	\$33,069.00	\$190.00	\$41,610.00	\$92.00	\$20,148.00
690.312	7" X 9" X 9' CROSSTIES WITH APPURTENANCES	EA	190.00	\$172.00	\$32,680.00	\$200.00	\$38,000.00	\$105.00	\$19,950.00
690.411	115# RAIL, WELDED	TF	449.00	\$171.00	\$76,779.00	\$158.00	\$70,942.00	\$336.00	\$150,864.00
690.422	100# RAIL, BOLTED	TF	156.00	\$52.00	\$8,112.00	\$111.00	\$17,316.00	\$170.00	\$26,520.00
690.5111	COMPROMISE JOINT, 115# TO 100#	U	8.00	\$900.00	\$7,200.00	\$725.00	\$5,800.00	\$794.00	\$6,352.00
690.5112	COMPROMISE JOINT, 100# TO 85#	U	8.00	\$900.00	\$7,200.00	\$725.00	\$5,800.00	\$793.00	\$6,344.00
690.52	RAIL ANCHORS	EA	724.00	\$14.00	\$10,136.00	\$4.50	\$3,258.00	\$5.00	\$3,620.00
690.53	RAILSEAL INTERFACE	TF	210.00	\$162.00	\$34,020.00	\$147.00	\$30,870.00	\$182.00	\$38,220.00
690.71	TRACK ALIGNMENT	TF	650.00	\$15.00	\$9,750.00	\$23.00	\$14,950.00	\$72.00	\$46,800.00

Item No:	Description	Unit	Quantity	A		B		C	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
690.811	TRAFFIC SIGNS - CROSSBUCK	U	4.00	\$273.00	\$1,092.00	\$1,100.00	\$4,400.00	\$1,192.00	\$4,768.00
692	MOBILIZATION	U	1.00	\$45,395.00	\$45,395.00	\$20,075.00	\$20,075.00	\$26,002.00	\$26,002.00
699	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	4,000.00	\$1.00	\$4,000.00	\$1.00	\$4,000.00	\$1.00	\$4,000.00
1010.15	FUEL ADJUSTMENT	\$	5,600.00	\$1.00	\$5,600.00	\$1.00	\$5,600.00	\$1.00	\$5,600.00
					\$530,671.00		\$584,881.00		\$688,813.00

Item No:	Description	Unit	Quantity	Unit Price	Total	Unit Price	Total	Unit Price	Total
203.1	COMMON EXCAVATION	CY	680.00	\$19.00	\$12,920.00				
203.71	REHANDLING EXCAVATED MATERIAL	CY	680.00	\$26.00	\$17,680.00				
209.4	GRANULAR BACKFILL (GRAV)	CY	10.00	\$62.00	\$620.00				
214	FINE GRADING	U	1.00	\$5,000.00	\$5,000.00				
304.46	RAILROAD BALLAST	CY	680.00	\$73.00	\$49,640.00				
403.1109	HOT BITUMINOUS PAVEMENT, MACHINE METHOD, HIGH STRENGTH	TON	60.00	\$345.00	\$20,700.00				
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	110.00	\$288.00	\$31,680.00				
403.6	PAVEMENT JOINT ADHESIVE	LF	1,010.00	\$3.00	\$3,030.00				
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	80.00	\$100.00	\$8,000.00				
417	COLD PLANING BITUMINOUS SURFACES	SY	1,040.00	\$20.00	\$20,800.00				
593.213	GEOTEXTILE; SEPARATION CL.1, SLIT FIL.,WOVEN	SY	1,000.00	\$2.00	\$2,000.00				
608.1201	2" BITUMINOUS SIDEWALK	SY	30.00	\$39.00	\$1,170.00				
608.26	6" CONCRETE SIDEWALK (F)	SY	12.00	\$150.00	\$1,800.00				
608.54	DETECTABLE WARNING DEVICES, CAST IRON	SY	3.00	\$456.00	\$1,368.00				
609.03	FLUSH GRANITE CURB	LF	95.00	\$40.00	\$3,800.00				
615.0301	TRAFFIC SIGN TYPE C	SF	70.00	\$84.00	\$5,880.00				
615.0601	TRAFFIC SIGN TYPE CC	SF	10.00	\$21.00	\$210.00				
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	15,000.00	\$1.00	\$15,000.00				
618.7	FLAGGERS	HR	1,000.00	\$35.00	\$35,000.00				
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$65,000.00	\$65,000.00				
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	4.00	\$3,000.00	\$12,000.00				

Item No:	Description	Unit	Quantity	Unit Price	Total	Unit Price	Total	Unit Price	Total
619.27	TRAILER-MOUNTED SPEED LIMIT SIGN	U	4.00	\$520.00	\$2,080.00				
628.2	SAWED BITUMINOUS PAVEMENT	LF	650.00	\$1.00	\$650.00				
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	800.00	\$1.00	\$800.00				
632.3124	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 24" LINE	LF	100.00	\$6.00	\$600.00				
632.32	RETROREFLECT. THERMOPLAS. PAVEMENT MARKING, SYMBOL OR WORD	SF	260.00	\$8.00	\$2,080.00				
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	100.00	\$5.00	\$500.00				
645.531	SILT FENCE	LF	150.00	\$3.00	\$450.00				
646.41	TURF ESTABLISHMENT WITH MULCH, TACKIFIERS AND HUMUS	SY	75.00	\$60.00	\$4,500.00				
690.21	REMOVAL OF RAILROAD TRACK AND APPURTENANCES	TF	605.00	\$130.00	\$78,650.00				
690.311	7" X 9" X 8'-6" CROSSTIES WIITH APPURTENANCES	EA	219.00	\$200.00	\$43,800.00				
690.312	7" X 9" X 9' CROSSTIES WITH APPURTENANCES	EA	190.00	\$210.00	\$39,900.00				
690.411	115# RAIL, WELDED	TF	449.00	\$132.00	\$59,268.00				
690.422	100# RAIL, BOLTED	TF	156.00	\$124.00	\$19,344.00				
690.5111	COMPROMISE JOINT, 115# TO 100#	U	8.00	\$1,000.00	\$8,000.00				
690.5112	COMPROMISE JOINT, 100# TO 85#	U	8.00	\$1,000.00	\$8,000.00				
690.52	RAIL ANCHORS	EA	724.00	\$4.00	\$2,896.00				
690.53	RAILSEAL INTERFACE	TF	210.00	\$80.00	\$16,800.00				
690.71	TRACK ALIGNMENT	TF	650.00	\$64.00	\$41,600.00				

Item No:	Description	Unit	Quantity	Unit Price	D Total	Unit Price	Total	Unit Price	Total
690.811	TRAFFIC SIGNS - CROSSBUCK	U	4.00	\$300.00	\$1,200.00				
692	MOBILIZATION	U	1.00	\$113,000.00	\$113,000.00				
699	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	4,000.00	\$1.00	\$4,000.00				
1010.15	FUEL ADJUSTMENT	\$	5,600.00	\$1.00	\$5,600.00				
					\$767,016.00				

## 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	
203.1	COMMON EXCAVATION	CY	680.00	\$19.00	\$12,920.00	\$25.00	\$17,000.00	(\$4,080.00)
203.71	REHANDLING EXCAVATED MATERIAL	CY	680.00	\$12.00	\$8,160.00	\$15.00	\$10,200.00	(\$2,040.00)
209.4	GRANULAR BACKFILL (GRAV)	CY	10.00	\$385.00	\$3,850.00	\$35.00	\$350.00	\$3,500.00
214	FINE GRADING	U	1.00	\$8,556.00	\$8,556.00	\$10,000.00	\$10,000.00	(\$1,444.00)
304.46	RAILROAD BALLAST	CY	680.00	\$72.00	\$48,960.00	\$35.00	\$23,800.00	\$25,160.00
403.1109	HOT BITUMINOUS PAVEMENT, MACHINE METHOD, HIGH STRENGTH	TON	60.00	\$249.00	\$14,940.00	\$250.00	\$15,000.00	(\$60.00)
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	110.00	\$249.00	\$27,390.00	\$350.00	\$38,500.00	(\$11,110.00)
403.6	PAVEMENT JOINT ADHESIVE	LF	1,010.00	\$5.00	\$5,050.00	\$2.00	\$2,020.00	\$3,030.00
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	80.00	\$6.00	\$480.00	\$5.00	\$400.00	\$80.00
417	COLD PLANING BITUMINOUS SURFACES	SY	1,040.00	\$10.00	\$10,400.00	\$25.00	\$26,000.00	(\$15,600.00)
593.213	GEOTEXTILE; SEPARATION CL.1, SLIT FIL.,WOVEN	SY	1,000.00	\$4.00	\$4,000.00	\$5.00	\$5,000.00	(\$1,000.00)
608.1201	2" BITUMINOUS SIDEWALK	SY	30.00	\$27.00	\$810.00	\$50.00	\$1,500.00	(\$690.00)
608.26	6" CONCRETE SIDEWALK (F)	SY	12.00	\$112.00	\$1,344.00	\$125.00	\$1,500.00	(\$156.00)
608.54	DETECTABLE WARNING DEVICES, CAST IRON	SY	3.00	\$478.00	\$1,434.00	\$650.00	\$1,950.00	(\$516.00)
609.03	FLUSH GRANITE CURB	LF	95.00	\$62.00	\$5,890.00	\$50.00	\$4,750.00	\$1,140.00
615.0301	TRAFFIC SIGN TYPE C	SF	70.00	\$75.00	\$5,250.00	\$75.00	\$5,250.00	\$0.00
615.0601	TRAFFIC SIGN TYPE CC	SF	10.00	\$25.00	\$250.00	\$30.00	\$300.00	(\$50.00)
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	15,000.00	\$1.00	\$15,000.00	\$1.00	\$15,000.00	\$0.00
618.7	FLAGGERS	HR	1,000.00	\$29.00	\$29,000.00	\$35.00	\$35,000.00	(\$6,000.00)
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$21,100.00	\$21,100.00	\$40,000.00	\$40,000.00	(\$18,900.00)
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	4.00	\$253.00	\$1,012.00	\$3,500.00	\$14,000.00	(\$12,988.00)



## 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	
619.27	TRAILER-MOUNTED SPEED LIMIT SIGN	U	4.00	\$253.00	\$1,012.00	\$1,500.00	\$6,000.00	(\$4,988.00)
628.2	SAWED BITUMINOUS PAVEMENT	LF	650.00	\$6.00	\$3,900.00	\$3.00	\$1,950.00	\$1,950.00
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	800.00	\$1.00	\$800.00	\$1.50	\$1,200.00	(\$400.00)
632.3124	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 24" LINE	LF	100.00	\$12.00	\$1,200.00	\$12.00	\$1,200.00	\$0.00
632.32	RETROREFLECT. THERMOPLAS. PAVEMENT MARKING, SYMBOL OR WORD	SF	260.00	\$9.00	\$2,340.00	\$9.00	\$2,340.00	\$0.00
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	100.00	\$14.00	\$1,400.00	\$6.00	\$600.00	\$800.00
645.531	SILT FENCE	LF	150.00	\$8.00	\$1,200.00	\$3.50	\$525.00	\$675.00
646.41	TURF ESTABLISHMENT WITH MULCH, TACKIFIERS AND HUMUS	SY	75.00	\$14.00	\$1,050.00	\$18.00	\$1,350.00	(\$300.00)
690.21	REMOVAL OF RAILROAD TRACK AND APPURTENANCES	TF	605.00	\$28.00	\$16,940.00	\$39.00	\$23,595.00	(\$6,655.00)
690.311	7" X 9" X 8'-6" CROSSTIES WITH APPURTENANCES	EA	219.00	\$151.00	\$33,069.00	\$140.00	\$30,660.00	\$2,409.00
690.312	7" X 9" X 9' CROSSTIES WITH APPURTENANCES	EA	190.00	\$172.00	\$32,680.00	\$175.00	\$33,250.00	(\$570.00)
690.411	115# RAIL, WELDED	TF	449.00	\$171.00	\$76,779.00	\$150.00	\$67,350.00	\$9,429.00
690.422	100# RAIL, BOLTED	TF	156.00	\$52.00	\$8,112.00	\$75.00	\$11,700.00	(\$3,588.00)
690.5111	COMPROMISE JOINT, 115# TO 100#	U	8.00	\$900.00	\$7,200.00	\$650.00	\$5,200.00	\$2,000.00
690.5112	COMPROMISE JOINT, 100# TO 85#	U	8.00	\$900.00	\$7,200.00	\$650.00	\$5,200.00	\$2,000.00
690.52	RAIL ANCHORS	EA	724.00	\$14.00	\$10,136.00	\$4.00	\$2,896.00	\$7,240.00
690.53	RAILSEAL INTERFACE	TF	210.00	\$162.00	\$34,020.00	\$110.00	\$23,100.00	\$10,920.00
690.71	TRACK ALIGNMENT	TF	650.00	\$15.00	\$9,750.00	\$35.00	\$22,750.00	(\$13,000.00)

## 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	
690.811	TRAFFIC SIGNS - CROSSBUCK	U	4.00	\$273.00	\$1,092.00	\$500.00	\$2,000.00	(\$908.00)
692	MOBILIZATION	U	1.00	\$45,395.00	\$45,395.00	\$50,000.00	\$50,000.00	(\$4,605.00)
699	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	4,000.00	\$1.00	\$4,000.00	\$1.00	\$4,000.00	\$0.00
1010.15	FUEL ADJUSTMENT	\$	5,600.00	\$1.00	\$5,600.00	\$1.00	\$5,600.00	\$0.00
					\$530,671.00		\$569,986.00	(\$39,315.00)