



THE STATE OF NEW HAMPSHIRE  
DEPARTMENT OF TRANSPORTATION



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WILLIAM CASS, P.E.  
ASSISTANT COMMISSIONER

Bureau of Construction  
September 1, 2015

Her Excellency, Governor Margaret Wood Hassan  
and the Honorable Council  
State House  
Concord, New Hampshire 03301

**REQUESTED ACTION**

Authorize the Department of Transportation to enter into a contract with Delucca Fence Company, Inc. (Vendor 161385) of Methuen, MA on the basis of a low bid of \$511,891.75 for replacement of approximately 14,000 linear feet of rail at 8 locations in Dover and Bedford, from the date of Governor and Council approval through October 23, 2015 unless extended by the Department in accordance with the Standard Specifications. 100% Turnpike Funds.

Funds to support this request are anticipated to be available in the following accounts in State FY 2016 upon the availability and continued appropriation of funds in the future operating budget:

Funding is available as follows:	<u>FY 2016</u>
04-96-96-961017-7025	
Turnpike Renewal & Replacement	
400-500870 Highway Contract Payments	\$511,891.75

**EXPLANATION**

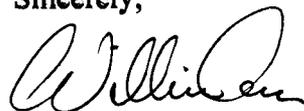
This project is part of the annual Turnpike Renewal and Replacement Program. The purpose of this project is to replace existing guardrail that has met its constructive lifespan, shows signs of deterioration (rotten posts, rusted and flattened rail) and do not meet height requirements. New installations will be safer for the traveling public and bring guardrail installations up to current standards. All wood post guardrail sections will be replaced with steel post installations, which will provide a longer service lifespan.

Page 2

The Contractor has been prequalified by this Department. The Contract has been approved by the Attorney General as to form and execution, and the Department has certified that the necessary funds are available. Copies of the fully executed contract are on file at the Secretary of State's Office and the Department of Administrative Service's Office, and subsequent to Governor and Council approval will be on file at the Department of Transportation.

A copy of the Tabulation of Bids received for this project is attached along with the Contract Supplemental Sheet and a map indicating the location of the project.

Sincerely,



William Cass, P.E.  
Assistant Commissioner

WJC/md

Department Estimate: \$512,150.00

Contract Amount: \$511,891.75

Under Estimate: \$ 258.25

Attachments

**PROJECT: DOVER-BEDFORD**

**STATE NO: 29023**

**Date: May 8, 2015**

**SUPPLEMENTAL PROJECT INFORMATION SHEET**

**DESCRIPTION:** This guardrail project will replace approximately 14,000 linear feet of rail at 8 locations, as well substandard “guardrail-to-barrier” connections at 2 locations along NH-16 (Spaulding Turnpike) in Dover between mile markers 7.5 and 15.1. New installations will be Midwest Guardrail Systems (MGS) installed at a 31” mounting height with 8” offset blocks, steel posts and beam rail spliced at mid-span (as opposed to splicing at the post). This project also includes snow fence installation on NH 101 WB Bridge over the F.E. Everett Turnpike in Bedford.

**FEDERAL FUNDING:** 0% (Turnpike Funded from the Renewal and Replacement Program)

**CONTINGENCY:** No contingency is requested given the nature of the project and the short duration of improvements.

**PROJECT INITIATED:** Bureau of Turnpikes Renewal and Replacement Program

**EXPLANATION:** The purpose of this project is to replace existing guardrail that has met its constructive lifespan, shows signs of deterioration (rotten posts, rusted and flattened rail) and do not meet height requirements. New installations will be safer for the traveling public and bring guardrail installations up to current standards. All wood post guardrail runs will be replaced with steel post installations, which will provide a longer constructive lifespan.

**TRAFFIC IMPLICATIONS:** Lane closure restrictions are as follows:

**Spaulding Turnpike NB south of Exit 9:** No lane closures on Friday, Saturday, or Sunday. No lane closures Monday through Thursday from 6am to 7pm.

**Spaulding Turnpike SB south of Exit 9:** No lane closures from 5am to 6pm.

**Spaulding Turnpike NB north of Exit 9:** No lane closures Monday through Friday from 3pm to 7pm.

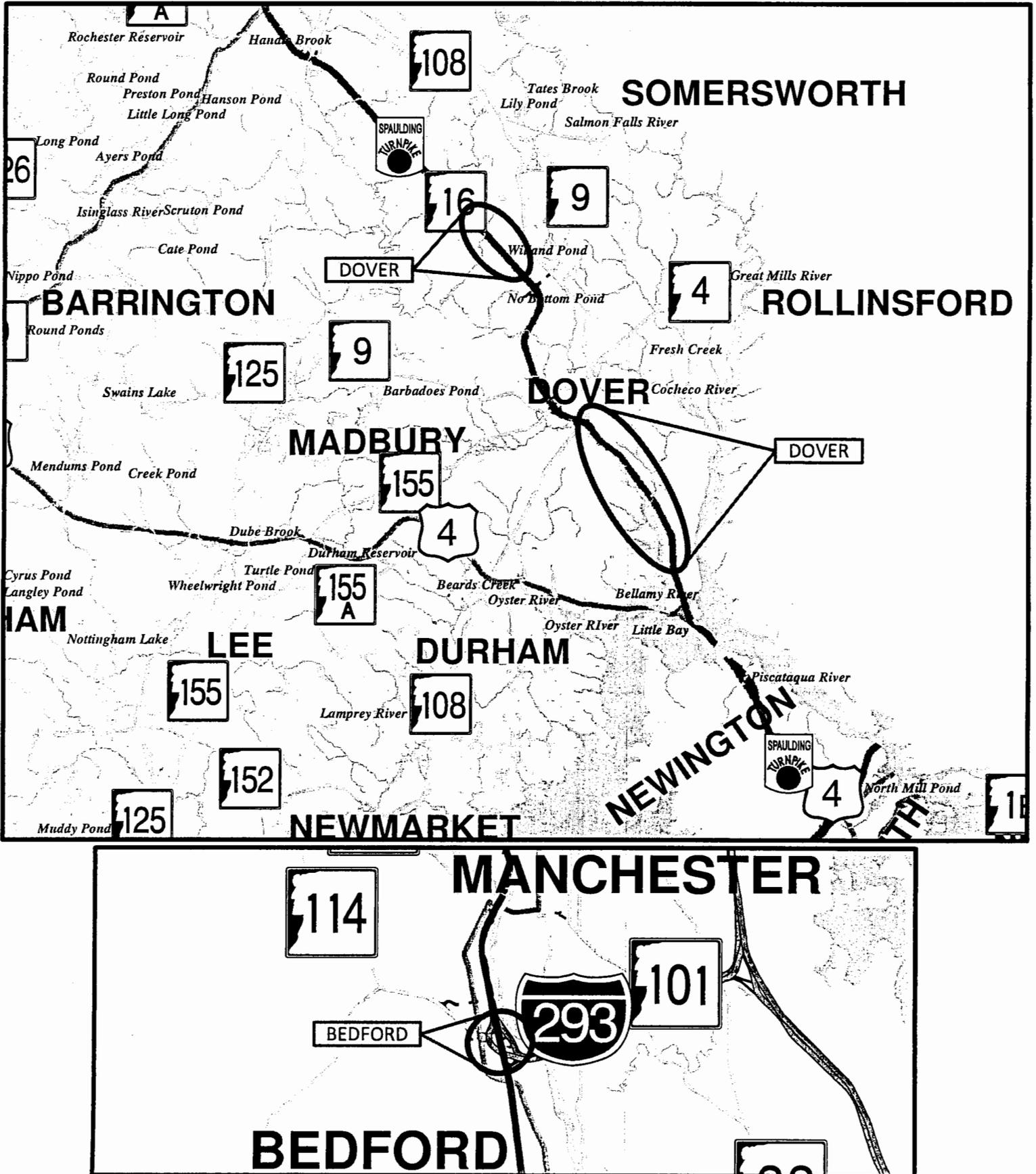
**Spaulding Turnpike SB north of Exit 9:** No lane closures Monday through Friday from 6am to 9am.

**NH 101 West Bound over F.E. Everett Turnpike:** No lane closure from 5am to 9pm.

**COMPLETION DATE:** October 23, 2015

# DOVER-BEDFORD 29023

## Guardrail Replacement & Snow Fence



**State of New Hampshire  
Department of Transportation**

**Project:** DOVER-BEDFORD  
NON-FEDERAL 29023

**County and Code:** HILLSBOROUGH COUNTY 011 AND STRAFFORD 017

**Date Bids Open:** June 11, 2015

**Scope of Work:** GUARDRAIL REPLACEMENT

**Location:** DOVER AND BEDFORD

**Completion Date:** October 23, 2015

A DELUCCA FENCE COMPANY, INC.  
FIVE OLD FERRY ROAD METHUEN, MA 01844 \$511,891.75

B CWS FENCE & GUARDRAIL  
261 FRANKLIN HIGHWAY ANDOVER, NH 03216 \$528,601.00

C PREMIER FENCE LLC  
41 LEDIN DRIVE AVON, MA 02322 \$541,585.60

Item No.	Description	Unit	Quantity	A		B		C	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
202.7	REMOVAL OF GUARDRAIL	LF	15,500.00	\$0.43	\$6,665.00	\$1.50	\$23,250.00	\$2.36	\$36,580.00
202.74	REMOVAL OF CONCRETE BARRIER	LF	80.00	\$25.00	\$2,000.00	\$15.00	\$1,200.00	\$24.00	\$1,920.00
203.55543	GUARDRAIL EAGRT OFFSET PLATFORM, TL 3	U	8.00	\$1,000.00	\$8,000.00	\$1,300.00	\$10,400.00	\$1,089.00	\$8,712.00
203.5596	GUARDRAIL E-2 PLATFORM	LF	225.00	\$13.25	\$2,981.25	\$30.00	\$6,750.00	\$21.20	\$4,770.00
304.32	CRUSHED GRAVEL FOR SHOULDER LEVELING	TON	150.00	\$44.50	\$6,675.00	\$60.00	\$9,000.00	\$51.40	\$7,710.00
563.923	SNOW SCREENING FOR OVERPASS STRUCTURES T2 OR T4 RAIL	LF	630.00	\$30.00	\$18,900.00	\$40.00	\$25,200.00	\$28.42	\$17,904.60
606.1254	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 3) (STEEL POST)	U	8.00	\$1,900.00	\$15,200.00	\$1,900.00	\$15,200.00	\$1,890.00	\$15,120.00
606.127	BEAM GUARDRAIL (TERMINAL UNIT TYPE G-2) (STEEL POST)	U	7.00	\$485.00	\$3,395.00	\$470.00	\$3,290.00	\$490.00	\$3,430.00
606.1442	BEAM GUARDRAIL (THRIE BEAM) INCLUDING TRAN. SECTION	LF	500.00	\$32.00	\$16,000.00	\$25.00	\$12,500.00	\$34.00	\$17,000.00
606.1496	BEAM GUARDRAIL (TERMINAL UNIT TYPE E-2)	LF	225.00	\$26.00	\$5,850.00	\$28.00	\$6,300.00	\$34.00	\$7,650.00
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	13,950.00	\$14.60	\$203,670.00	\$15.30	\$213,435.00	\$18.18	\$253,611.00
606.312	SINGLE FACED TRANSITION RAIL, STEEL POST	U	3.00	\$3,395.00	\$10,185.00	\$2,850.00	\$8,550.00	\$2,780.00	\$8,340.00
606.41231	TRANSITION SINGLE SLOPE CONCRETE BARRIER, PRECAST	U	3.00	\$5,350.00	\$16,050.00	\$3,350.00	\$10,050.00	\$4,620.00	\$13,860.00
606.413	SINGLE SLOPE CONCRETE MEDIAN BARRIER, PRECAST	LF	80.00	\$97.60	\$7,808.00	\$120.00	\$9,600.00	\$116.00	\$9,280.00
609.811	BITUMINOUS CURB, TYPE B (4" REVEAL)	LF	8,000.00	\$11.20	\$89,600.00	\$6.50	\$52,000.00	\$4.88	\$39,040.00
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	15,000.00	\$1.00	\$15,000.00	\$1.00	\$15,000.00	\$1.00	\$15,000.00

Item No:	Description	Unit	A			B			C		
			Quantity	Unit Price	Total	Unit Price	Total	Unit Price	Total		
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$21,250.00	\$21,250.00	\$18,200.00	\$18,200.00	\$13,800.00	\$13,800.00		
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	2.00	\$825.00	\$1,650.00	\$1,500.00	\$3,000.00	\$2,310.00	\$4,620.00		
619.63	TRUCK-MOUNTED IMPACT ATTENUATOR, TEST LEVEL 3	U	2.00	\$2,400.00	\$4,800.00	\$2,750.00	\$5,500.00	\$2,310.00	\$4,620.00		
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	180.00	\$4.50	\$810.00	\$4.00	\$720.00	\$4.40	\$792.00		
621.31	SINGLE DELINEATOR WITH POST	EA	80.00	\$33.00	\$2,640.00	\$32.00	\$2,560.00	\$29.00	\$2,320.00		
645.531	SILT FENCE	LF	1,650.00	\$1.25	\$2,062.50	\$1.50	\$2,475.00	\$2.64	\$4,356.00		
646.41	TURF ESTABLISHMENT WITH MULCH, TACKIFIERS AND HUMUS	SY	500.00	\$6.00	\$3,000.00	\$10.00	\$5,000.00	\$8.70	\$4,350.00		
692	MOBILIZATION	U	1.00	\$7,700.00	\$7,700.00	\$29,421.00	\$29,421.00	\$6,800.00	\$6,800.00		
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		
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	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00		
					\$511,891.75		\$528,601.00		\$541,585.60		

# 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	
202.7	REMOVAL OF GUARDRAIL	LF	15,500.00	\$0.43	\$6,665.00	\$1.25	\$19,375.00	(\$12,710.00)
202.74	REMOVAL OF CONCRETE BARRIER	LF	80.00	\$25.00	\$2,000.00	\$9.00	\$720.00	\$1,280.00
203.55543	GUARDRAIL EAGRT OFFSET PLATFORM, TL 3	U	8.00	\$1,000.00	\$8,000.00	\$1,450.00	\$11,600.00	(\$3,600.00)
203.5596	GUARDRAIL E-2 PLATFORM	LF	225.00	\$13.25	\$2,981.25	\$14.00	\$3,150.00	(\$168.75)
304.32	CRUSHED GRAVEL FOR SHOULDER LEVELING	TON	150.00	\$44.50	\$6,675.00	\$9.75	\$1,462.50	\$5,212.50
563.923	SNOW SCREENING FOR OVERPASS STRUCTURES T2 OR T4 RAIL	LF	630.00	\$30.00	\$18,900.00	\$25.00	\$15,750.00	\$3,150.00
606.1254	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 3) (STEEL POST)	U	8.00	\$1,900.00	\$15,200.00	\$1,950.00	\$15,600.00	(\$400.00)
606.127	BEAM GUARDRAIL (TERMINAL UNIT TYPE G-2) (STEEL POST)	U	7.00	\$485.00	\$3,395.00	\$435.00	\$3,045.00	\$350.00
606.1442	BEAM GUARDRAIL (THRIE BEAM) INCLUDING TRAN. SECTION	LF	500.00	\$32.00	\$16,000.00	\$22.00	\$11,000.00	\$5,000.00
606.1496	BEAM GUARDRAIL (TERMINAL UNIT TYPE E-2)	LF	225.00	\$26.00	\$5,850.00	\$26.00	\$5,850.00	\$0.00
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	13,950.00	\$14.60	\$203,670.00	\$16.00	\$223,200.00	(\$19,530.00)
606.312	SINGLE FACED TRANSITION RAIL, STEEL POST	U	3.00	\$3,395.00	\$10,185.00	\$3,400.00	\$10,200.00	(\$15.00)
606.41231	TRANSITION SINGLE SLOPE CONCRETE BARRIER, PRECAST	U	3.00	\$5,350.00	\$16,050.00	\$5,350.00	\$16,050.00	\$0.00
606.413	SINGLE SLOPE CONCRETE MEDIAN BARRIER, PRECAST	LF	80.00	\$97.60	\$7,808.00	\$80.00	\$6,400.00	\$1,408.00
609.811	BITUMINOUS CURB, TYPE B (4" REVEAL)	LF	8,000.00	\$11.20	\$89,600.00	\$6.00	\$48,000.00	\$41,600.00

# 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	\$	15,000.00	\$1.00	\$15,000.00	\$1.00	\$15,000.00	\$0.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$21,250.00	\$21,250.00	\$20,000.00	\$20,000.00	\$1,250.00
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	2.00	\$825.00	\$1,650.00	\$1,900.00	\$3,800.00	(\$2,150.00)
619.63	TRUCK-MOUNTED IMPACT ATTENUATOR, TEST LEVEL 3	U	2.00	\$2,400.00	\$4,800.00	\$3,500.00	\$7,000.00	(\$2,200.00)
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	180.00	\$4.50	\$810.00	\$4.00	\$720.00	\$90.00
621.31	SINGLE DELINEATOR WITH POST	EA	80.00	\$33.00	\$2,640.00	\$33.00	\$2,640.00	\$0.00
645.531	SILT FENCE	LF	1,650.00	\$1.25	\$2,062.50	\$2.25	\$3,712.50	(\$1,650.00)
646.41	TURF ESTABLISHMENT WITH MULCH, TACKIFIERS AND HUMUS	SY	500.00	\$6.00	\$3,000.00	\$5.75	\$2,875.00	\$125.00
692	MOBILIZATION	U	1.00	\$7,700.00	\$7,700.00	\$25,000.00	\$25,000.00	(\$17,300.00)
699	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	5,000.00	\$1.00	\$5,000.00	\$1.00	\$5,000.00	\$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	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00	\$0.00
					\$511,891.75		\$512,150.00	(\$258.25)



