



**THE STATE OF NEW HAMPSHIRE**  
**DEPARTMENT OF TRANSPORTATION**



JAR 12

**VICTORIA F. SHEEHAN**  
**COMMISSIONER**

**WILLIAM CASS, P.E.**  
**ASSISTANT COMMISSIONER**

Bureau of Construction  
June 7, 2016

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

**REQUESTED ACTION**

1. 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 \$1,566,384.45 for replacing guardrail and end terminals along NH Route 16, from the Pinkham Notch Visitor Center in Pinkhams Grant to the intersection of US Route 2 and NH Route 16, from the date of Governor and Council approval through October 28, 2016 unless extended by the Department in accordance with the Standard Specifications. 100% Federal Funds.

Funding is available as follows:	<u>FY 2017</u>
04-96-96-963515-3054	
Consolidated Federal Aid	
400-500870 Highway Contract Payments	\$1,566,384.45

2. Further authorize that a contingency in the amount of \$109,646.91 be approved for payment of latent conditions, which may appear during the construction of the project. The contingency requested is 7% of the contract amount.

Funding is available as follows:	<u>FY 2017</u>
04-96-96-963515-3054	
Consolidated Federal Aid	
400-500870 Highway Contract Payments	\$109,646.91

**EXPLANATION**

This project is part of the State's Ten Year Plan, under the Statewide Guardrail Repair & Replacement (GRR) Program. This project involves replacing guardrail and end terminals along NH Route 16, from the Pinkham Notch Visitor Center in Pinkhams Grant, north approximately ten (10) miles to the intersection of US Route 2 and NH Route 16, and continuing north approximately 600 feet on US Route 2/ NH Route 16 in Gorham. Also included in this project is the replacement of an existing run of guardrail along NH Route 16 at Bridge No. 144/058 in Jackson, adjacent to the Wentworth Golf Course.

The project will encompass the replacement of approximately 14,000 linear feet of substandard guardrail and the installation of approximately 3,600 linear feet of new w-beam guardrail, 100 linear feet of new thrie-beam guardrail, and 65 new terminal units. In addition, approximately 400 linear feet of new bridge rail will be installed and 450 linear feet of existing guardrail will be reset. Other related work include drainage upgrades (installing bituminous curb and replacing existing sluice drains with drainage structures and pipe for slope drain), shoulder leveling, and minor slope work. The project also includes concrete work at three (3) bridge locations (Bridge No. 144/058 in Jackson, 074/081 in Pinkhams Grant, and 098/071 in Gorham) and minor bridge approach rail work at Bridge No. 080/094 in Pinkhams Grant.

The objective of this project is to improve and upgrade substandard guardrail, guardrail end terminals, and drainage assets along NH Route 16 from Pinkham Notch into the Town of Gorham.

The contingency amount is proposed to be 7% of the contract amount. The project area was not field surveyed and therefore, all items have been quantified by field observations and aerial photos only. Field adjustments will likely be required (guardrail extensions, grading and environmental protection measures) due to actual field conditions.

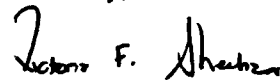
Although the bid costs exceeded the Department's estimate, the low bid is felt to be reasonable for the work involved. In summary, two bids were received, which were within eleven percent of each other. The primary differences in higher bid prices were related to mobilization and bridge-related items. Re-advertising this project would result, in our opinion, in higher prices and prevent the completion of the work in a timely manner. The Department considers it to be in the best interest of the State to accept this bid to accomplish this needed work.

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 and that the bid reasonably conforms to the engineer's estimate in accordance with State procedure. 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.

This project funding is 80% federal funds with 20% state match. Turnpike toll credit is being utilized for match requirements, effectively using 100% federal funds.

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,



Victoria F. Sheehan  
Commissioner

VFS/md

Department Estimate: \$1,405,682.10

Contract Amount: \$1,566,384.45

Over Estimate: \$ 160,702.35

March 25, 2016

## SUPPLEMENTAL PROJECT INFORMATION SHEET

**DESCRIPTION:** This project involves replacing guardrail and end terminals along NH Route 16, from the Pinkham Notch Visitor Center in Pinkhams Grant, north approximately ten (10) miles to the intersection of US Route 2 and NH Route 16, and continuing north approximately 600 feet on US Route 2/ NH Route 16 in Gorham. Also included in this project is the replacement of an existing run of guardrail along NH Route 16 at Bridge No. 144/058 in Jackson, adjacent to the Wentworth Golf Course.

The project will encompass the replacement of approximately 14,000 LF of substandard guardrail and the installation of approximately 3,600 LF of new W-beam guardrail, 100 LF of new thrie-beam guardrail, and 65 new terminal units. In addition, approximately 400 LF of new bridge rail will be installed and 450 LF of existing guardrail will be reset. Other related work includes drainage upgrades (installing bituminous curb and replacing existing sluice drains with drainage structures and pipe for slope drain), shoulder leveling, and minor slope work. The project also includes concrete work at three (3) bridge locations (Bridge No. 144/058 in Jackson, 074/081 in Pinkhams Grant, and 098/071 in Gorham) and minor approach rail work at Bridge No. 080/094 in Pinkhams Grant.

**FEDERAL FUNDING:** 80% Programmatic Guardrail Repair & Replacement with anticipated utilization of Turnpike Toll Credits for the State's 20% match.

**CONTINGENCY:** The contingency amount is proposed to be 7% of the contract amount. The project area was not land surveyed and therefore, all items have been quantified by field observations and aerial photos only. Field adjustments will likely be required (guardrail extensions, grading and environmental protection measures) due to varying field conditions.

**PROJECT INITIATED:** State's Ten Year Plan – Programmatic Guardrail Repair & Replacement Program (GRR).

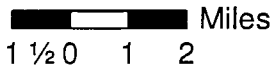
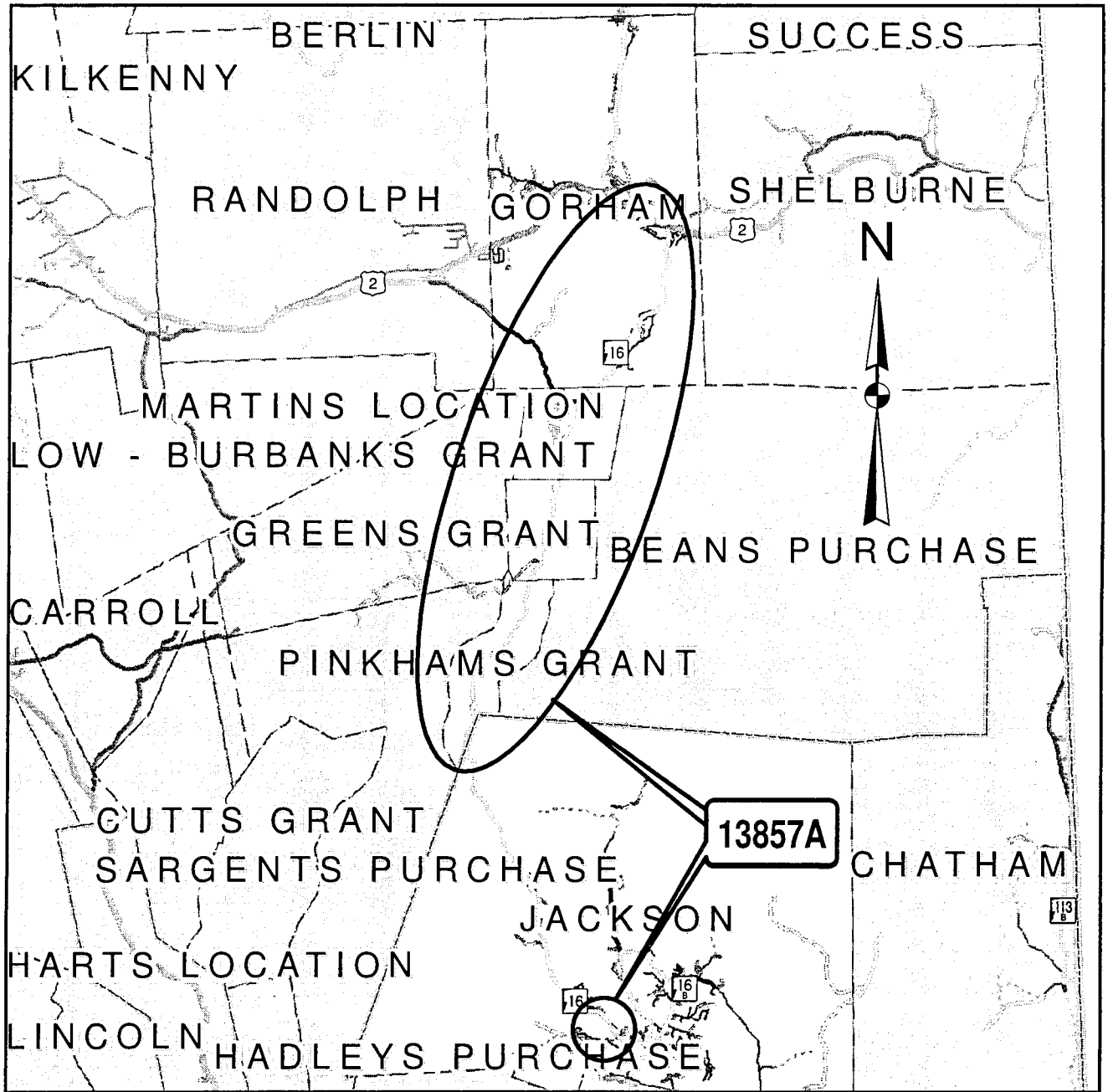
**PROJECT EXPLANATION:** The objective of this project is to improve and upgrade substandard guardrail, guardrail end terminals, and drainage assets along NH Route 16 from Pinkham Notch into the Town of Gorham.

**TRAFFIC IMPLICATION:** The guardrail and drainage work on this project will be completed by shifting traffic in most locations to maintain two-way traffic flows. However, some areas may require a one lane, alternating two-way traffic layout utilizing flaggers. Traffic impacts are expected to be during daytime hours.

Work at Bridge No. 144/058 in Jackson will be contained within the existing 10' shoulder, for a period of 4-6 weeks. Work at Bridge No. 074/081 in Pinkhams Grant will utilize a traffic shift that will maintain two-way traffic flows, for a period of 4-6 weeks. Work at Bridge No. 098/071 in Gorham, will require a one lane, alternating two-way traffic layout utilizing 24/7 automated traffic signals, for a period of 4-6 weeks.

**FINAL COMPLETION DATE:** October 28, 2016.

**PINKHAMS GRANT TO GORHAM - NH 16**



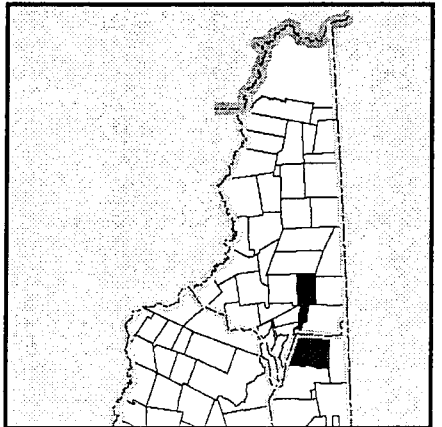
**LEGEND**

- Streams
- Water Bodies
- US Routes
- State Routes
- Interstates
- Local Roads
- Town Boundary

*New Hampshire*  
**DOT**  
 Department of Transportation

State #: 13857A  
 Federal #: X-A000 (836)

**LOCATION MAP**



PROJECT: PINKHAMS GRANT - GORHAM  
 STATE PROJECT NUMBER: 13857A  
 FED. PROJECT NUMBER: X-A000(836)  
 DATE BIDS OPEN: April 28, 2016, 2:00  
 SCOPE OF WORK: Replace and update the guardrail along this corridor  
 COMPLETION DATE: October 28, 2016  
 LOCATION: Coos, Carroll

Awarded To: DELUCCA FENCE CO., INC.  
 FIVE OLD FERRY ROAD  
 METHUEN, MA 01844

Amount: \$1,566,384.45  
 Award Date:

Certified by:

\_\_\_\_\_  
 Director of Project Development

Summary of Bidders

Contractor	Bid Amount	Rank
DELUCCA FENCE CO., INC. FIVE OLD FERRY ROAD, METHUEN MA 01844 CWS FENCE & GUARDRAIL CO 261 FRANKLIN HWY, ANDOVER NH 03216-3810	\$1,566,384.45	A
	\$1,740,369.05	B

Item No.	Description	Unit	Quantity	DELUCCA FENCE CO., INC. FIVE OLD FERRY ROAD METHUEN, MA 01444		CWS FENCE & GUARDRAIL CO 281 FRANKLIN HWY ANDOVER, NH 03216-3810	
				Unit Price	Total	Unit Price	Total
202.42	REMOVAL OF EXISTING PIPE OVER 24" DIAMETER	LF	8.000	\$200.00	\$1,600.00	\$210.00	\$1,680.00
202.6	CURB REMOVAL FOR SALVAGE	LF	90.000	\$8.40	\$720.00	\$8.40	\$756.00
202.7	REMOVAL OF GUARDRAIL	LF	14,000.000	\$1.70	\$23,800.00	\$2.35	\$32,900.00
203.1	COMMON EXCAVATION	CY	25.000	\$26.25	\$656.25	\$26.25	\$656.25
203.5540	GUARDRAIL TAPERED RAIL PLATFORM	LF	200.000	\$20.00	\$4,000.00	\$21.00	\$4,200.00
203.5542	GUARDRAIL EAGRT OFFSET PLATFORM AL TERNATE, TL 3	U	1.000	\$900.00	\$900.00	\$945.00	\$945.00
203.5543	GUARDRAIL EAGRT OFFSET PLATFORM, TL 3	U	56.000	\$900.00	\$50,400.00	\$945.00	\$52,920.00
203.5555	GUARDRAIL EAGRT OFFSET PLATFORM, TL 2 - 25'	U	7.000	\$850.00	\$5,950.00	\$892.50	\$6,247.50
203.5596	GUARDRAIL E-2 PLATFORM	LF	200.000	\$20.00	\$4,000.00	\$21.00	\$4,200.00
203.601	EMBANKMENT-IN-PLACE	CY	40.000	\$30.00	\$1,200.00	\$31.50	\$1,260.00
206.1	COMMON STRUCTURE EXCAVATION	CY	120.000	\$30.00	\$3,600.00	\$31.50	\$3,780.00
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	50.000	\$40.00	\$2,000.00	\$42.00	\$2,100.00
304.301	CRUSHED GRAVEL	CY	49.000	\$45.00	\$2,205.00	\$47.25	\$2,315.25
304.32	CRUSHED GRAVEL FOR SHOULDER LEVELING	TON	2,850.000	\$18.00	\$51,300.00	\$18.90	\$53,965.00
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	173.000	\$175.00	\$30,275.00	\$154.00	\$26,642.00
403.6	PAVEMENT JOINT ADHESIVE	LF	834.000	\$6.00	\$5,004.00	\$2.25	\$1,876.50
502.101	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.000	\$20,900.00	\$20,900.00	\$21,945.00	\$21,945.00
502.102	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.000	\$16,700.00	\$16,700.00	\$17,535.00	\$17,535.00
502.103	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.000	\$20,200.00	\$20,200.00	\$21,200.00	\$21,200.00
504.1	COMMON BRIDGE EXCAVATION (F)	CY	54.000	\$25.00	\$1,350.00	\$26.25	\$1,417.50
508.	STRUCTURAL FILL	CY	2.000	\$45.00	\$90.00	\$47.25	\$94.50
520.0201	CONCRETE CLASS AA, ABOVE FOOTINGS	CY	31.000	\$1,800.00	\$55,800.00	\$1,890.00	\$58,590.00
520.1	CONCRETE CLASS A	CY	10.000	\$1,800.00	\$18,000.00	\$1,890.00	\$18,900.00
534.3	WATER REPELLENT (SILANE/SILOXANE)	GAL	5.000	\$100.00	\$500.00	\$105.00	\$525.00
538.5	BARRIER MEMBRANE, HEAT WELDED (F)	SY	25.000	\$100.00	\$2,500.00	\$105.00	\$2,625.00
544.	REINFORCING STEEL (F)	LB	50.000	\$10.00	\$500.00	\$10.50	\$525.00
544.2	REINFORCING STEEL, EPOXY COATED (F)	LB	2,950.000	\$5.00	\$14,750.00	\$5.25	\$15,487.50
562.1	SILICONE JOINT SEALANT (F)	LF	20.000	\$40.00	\$800.00	\$42.00	\$840.00
563.22	BRIDGE RAIL T2	LF	52.600	\$132.00	\$6,943.20	\$130.00	\$6,838.00
563.301	BRIDGE RAIL T101 (MODIFIED)	LF	40.000	\$145.00	\$5,800.00	\$130.00	\$5,200.00
563.94	PROTECTIVE SCREENING FOR OVERPASS STRUCTURES	LF	20.000	\$120.00	\$2,400.00	\$210.00	\$4,200.00
565.222	BRIDGE APPROACH RAIL T2 (STEEL POSTS)	U	4.000	\$5,050.00	\$20,200.00	\$5,600.00	\$22,400.00
565.802	ADJUSTING BRIDGE APPROACH RAIL	U	6.000	\$1,095.00	\$6,570.00	\$500.00	\$3,000.00
565.92	BRIDGE APPROACH RAIL -ASYMMETRICAL THRIE BEAM TRANSITION (STEEL POSTS)	U	4.000	\$2,885.00	\$11,540.00	\$1,600.00	\$6,400.00
570.4	MORTAR RUBBLE MASONRY (F)	CY	10.000	\$600.00	\$6,000.00	\$630.00	\$6,300.00
585.3	STONE FILL, CLASS C	CY	180.000	\$50.00	\$9,000.00	\$52.50	\$8,400.00
593.421	GEOTEXTILE; PERM CONTROL CL.2, NON-WOVEN	SY	330.000	\$3.00	\$990.00	\$3.15	\$1,039.50
603.34115	15" STEEL END SECTIONS	EA	35.000	\$200.00	\$7,000.00	\$210.00	\$7,350.00
603.44012	12" CORRUGATED POLYETHYLENE PIPE FOR SLOPE DRAINAGE	LF	595.000	\$70.00	\$41,650.00	\$73.50	\$43,732.50
604.0007	POLYETHYLENE LINER	EA	35.000	\$200.00	\$7,000.00	\$210.00	\$7,350.00
604.246	DROP INLETS TYPE D-F	U	32.000	\$2,400.00	\$76,800.00	\$2,520.00	\$80,640.00
606.000	STEEL BEAM FOR BEAM GUARDRAIL	LF	200.000	\$9.00	\$1,800.00	\$10.00	\$2,000.00

**Items**

Item No.	Description	Unit	Quantity	DELUSCA FENCE CO., INC. 100 W. FERRIS RD. METHUEN, MA 01844		CWS FENCE & GUARDRAIL CO 100 W. FERRIS RD. ANDOVER, NH 03216-0110	
				Unit Price	Total	Unit Price	Total
606.012	WG9 STEEL POST REPLACEMENTS FOR BEAM GUARDRAIL POSTS	EA	60,000	\$62.50	\$3,750.00	\$60.00	\$3,600.00
606.0122	WG9 STEEL POST ASSEMBLIES FOR BEAM GUARDRAIL POSTS	EA	60,000	\$8.25	\$495.00	\$15.00	\$900.00
606.1203	BEAM GUARDRAIL (STANDARD SECTION - THRIE BEAM) (STEEL POST)	LF	50,000	\$28.00	\$1,300.00	\$72.00	\$3,600.00
606.1254	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 3) (STEEL POST)	U	50,000	\$1,835.00	\$91,750.00	\$2,400.00	\$120,000.00
606.12551	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 2 - 28') (STEEL POST)	U	7,000	\$1,600.00	\$11,200.00	\$2,000.00	\$14,000.00
606.127	BEAM GUARDRAIL (TERMINAL UNIT TYPE G-2) (STEEL POST)	U	6,000	\$485.00	\$2,910.00	\$600.00	\$3,600.00
606.1285	BEAM GUARDRAIL (BRIDGE APPROACH UNIT)	U	4,000	\$3,800.00	\$15,200.00	\$3,200.00	\$12,800.00
606.12851	BEAM GUARDRAIL (BRIDGE APPROACH UNIT - MODIFIED)	U	2,000	\$4,200.00	\$8,400.00	\$3,200.00	\$6,400.00
606.1296	BEAM GUARDRAIL (TERMINAL UNIT TYPE E-2) (STEEL POST)	LF	190,000	\$36.50	\$6,935.00	\$32.50	\$6,175.00
606.141	BEAM GUARDRAIL (CURVED W/CRT POSTS)	LF	75,000	\$36.50	\$2,737.50	\$25.00	\$1,875.00
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	16,700,000	\$14.25	\$237,975.00	\$19.40	\$323,980.00
606.181	31" W-BEAM GUARDRAIL LONG SPAN (12.5') (STEEL POST)	U	2,000	\$2,200.00	\$4,400.00	\$4,480.00	\$8,960.00
606.182	31" W-BEAM GUARDRAIL LONG SPAN (18'-9") (STEEL POST)	U	1,000	\$2,400.00	\$2,400.00	\$4,790.00	\$4,790.00
606.183	31" W-BEAM GUARDRAIL LONG SPAN (25') (STEEL POST)	U	1,000	\$3,125.00	\$3,125.00	\$5,080.00	\$5,080.00
606.312	SINGLE FACED TRANSITION RAIL, STEEL POST	U	2,000	\$45.00	\$90.00	\$3,380.00	\$6,760.00
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	550,000	\$46.00	\$25,300.00	\$48.30	\$26,565.00
606.5716	WOOD GUARDRAIL (DOUBLE 4" X 8" RAIL, 6'-6" WOOD POST)	LF	312,500	\$30.00	\$9,375.00	\$55.00	\$17,187.50
606.84	ANCHOR FOR CURVED GUARDRAIL W/CRT POSTS	U	1,000	\$1,575.00	\$1,575.00	\$1,570.00	\$1,570.00
606.91	RESETTING OR SETTING GUARDRAIL	LF	100,000	\$15.00	\$1,500.00	\$15.00	\$1,500.00
606.91254	RESETTING TERMINAL UNIT (TYPE TL 3 EAGRT) (STEEL POST)	U	7,000	\$350.00	\$2,450.00	\$650.00	\$4,550.00
606.9523	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 3	U	6,000	\$4,000.00	\$24,000.00	\$4,200.00	\$25,200.00
609.01	STRAIGHT GRANITE CURB	LF	125,000	\$66.50	\$10,812.50	\$60.00	\$7,500.00
609.811	BITUMINOUS CURB, TYPE B (4" REVEAL)	LF	4,025,000	\$9.25	\$37,231.25	\$6.00	\$24,150.00
616.1711	PORTABLE TRAFFIC SIGNAL (PTS) SYSTEM (MONTH)	MON	1,500	\$6,000.00	\$9,000.00	\$6,300.00	\$9,450.00
618.81	UNIFORMED OFFICERS WITH VEHICLE	\$	17,000,000	\$1.00	\$17,000.00	\$1.00	\$17,000.00
618.7	FLAGGERS	HR	1,700,000	\$21.45	\$36,465.00	\$23.00	\$39,100.00
619.1	MAINTENANCE OF TRAFFIC	U	1,000	\$50,900.00	\$50,900.00	\$50,895.00	\$50,895.00
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	2,000	\$250.00	\$500.00	\$3,000.00	\$6,000.00
619.253	PORTABLE CHANGEABLE MESSAGE SIGN (UNIT WEEK)	UWK	16,000	\$175.00	\$2,800.00	\$375.00	\$6,000.00
619.279	AUTOMATED TRAILER-MOUNTED SPEED LIMIT SIGN	U	1,000	\$200.00	\$200.00	\$5,400.00	\$5,400.00
619.63	TRUCK-MOUNTED IMPACT ATTENUATOR, TEST LEVEL 3	U	1,000	\$2,500.00	\$2,500.00	\$4,500.00	\$4,500.00
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	260,000	\$5.00	\$1,300.00	\$4.00	\$1,040.00
621.31	SINGLE DELINEATOR WITH POST	EA	220,000	\$35.00	\$7,700.00	\$36.00	\$7,920.00
621.32	DOUBLE DELINEATOR WITH POST	EA	50,000	\$40.00	\$2,000.00	\$40.00	\$2,000.00
622.1	STEEL WITNESS MARKERS	EA	35,000	\$35.00	\$1,225.00	\$28.00	\$980.00
628.2	SAWED BITUMINOUS PAVEMENT	LF	4,800,000	\$2.00	\$9,600.00	\$2.10	\$10,080.00

Item No.	Description	Unit	Quantity	DELUCCA FENCE CO., INC. FIVE OLD FERRY ROAD METHUEN, MA 01844		CWS FENCE & GUARDRAIL CO 281 FRANKLIN HWY ANDOVER, NH 03216-3810		Unit Price	Total
				Unit Price	Total	Unit Price	Total		
628.22	SAWED BITUMINOUS PAVEMENT (BRIDGE)	LF	245.000	\$5.00	\$1,225.00	\$5.25	\$1,286.25		
632.1104	PERFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 4" LINE	LF	4,860.000	\$3.00	\$14,580.00	\$3.00	\$14,580.00		
632.1118	PERFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 18" LINE	LF	30.000	\$10.00	\$300.00	\$15.00	\$450.00		
632.1304	BLACKOUT PAVEMENT MARKING TAPE, TYPE I (REMOVABLE) 4" LINE	LF	5,450.000	\$3.00	\$16,350.00	\$4.00	\$21,800.00		
632.2104	PERFORMED RETROREFLECTIVE TAPE, TYPE II (NON-REMOVABLE) 4" LINE	LF	30.000	\$10.00	\$300.00	\$8.60	\$258.00		
634.2	RELOCATE BOULDERS	EA	30.000	\$300.00	\$9,000.00	\$315.00	\$9,450.00		
645.3	EROSION STONE	TON	150.000	\$30.00	\$4,500.00	\$31.50	\$4,725.00		
645.44	TEMPORARY SLOPE STABILIZATION TYPE D (WILDLIFE FRIENDLY)	SY	1,000.000	\$2.00	\$2,000.00	\$2.10	\$2,100.00		
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	9,500.000	\$5.50	\$52,250.00	\$5.80	\$55,100.00		
645.531	SILT FENCE	LF	10,800.000	\$2.50	\$27,000.00	\$1.00	\$10,800.00		
645.7	STORM WATER POLLUTION PREVENTION PLAN	U	1.000	\$3,000.00	\$3,000.00	\$2,500.00	\$2,500.00		
645.71	MONITORING SWPPP AND EROSION AND SEDIMENT CONTROLS	HR	70.000	\$60.00	\$4,200.00	\$90.00	\$6,300.00		
646.3	TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS	A	3.000	\$2,400.00	\$7,200.00	\$2,520.00	\$7,560.00		
647.1	HUMUS	CY	2,007.000	\$38.00	\$76,266.00	\$39.90	\$80,079.30		
670.104	TEMPORARY PORTABLE LIGHTING	U	4.000	\$4,500.00	\$18,000.00	\$4,725.00	\$18,900.00		
692.	MOBILIZATION	U	1.000	\$97,000.00	\$97,000.00	\$105,495.00	\$105,495.00		
698.13	FIELD OFFICE TYPE C	MON	6.000	\$1,625.00	\$9,750.00	\$2,000.00	\$12,000.00		
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	2,000.000	\$1.00	\$2,000.00	\$1.00	\$2,000.00		
1002.1	REPAIRS OR REPLACEMENTS AS NEEDED - BRIDGE STRUCTURES	\$	13,000.000	\$1.00	\$13,000.00	\$1.00	\$13,000.00		
1010.15	FUEL ADJUSTMENT	\$	20,000.000	\$1.00	\$20,000.00	\$1.00	\$20,000.00		

Totals:

\$1,566,384.45

\$1,740,369.05





# PS&E Comparison

PINKHAMS GRANT - GORHAM  
13857A  
X-A000(836)

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
202.42	REMOVAL OF EXISTING PIPE OVER 24" DIAMETER	LF	8.000	\$200.00	\$1,600.00	\$25.00	\$200.00	\$1,400.00
202.6	CURB REMOVAL FOR SALVAGE	LF	90.000	\$8.00	\$720.00	\$5.00	\$450.00	\$270.00
202.7	REMOVAL OF GUARDRAIL	LF	14,000.000	\$1.70	\$23,800.00	\$0.75	\$10,500.00	\$13,300.00
203.1	COMMON EXCAVATION	CY	25.000	\$25.00	\$625.00	\$20.00	\$500.00	\$125.00
203.5540	GUARDRAIL TAPERED RAIL PLATFORM	LF	200.000	\$20.00	\$4,000.00	\$10.00	\$2,000.00	\$2,000.00
203.55542	GUARDRAIL EAGRT OFFSET PLATFORM ALTERNATE, TL 3	U	1.000	\$900.00	\$900.00	\$1,000.00	\$1,000.00	(\$100.00)
203.55543	GUARDRAIL EAGRT OFFSET PLATFORM, TL 3	U	56.000	\$900.00	\$50,400.00	\$1,000.00	\$56,000.00	(\$5,600.00)
203.55555	GUARDRAIL EAGRT OFFSET PLATFORM, TL 2 - 25'	U	7.000	\$850.00	\$5,950.00	\$850.00	\$5,950.00	\$0.00
203.5596	GUARDRAIL E-2 PLATFORM	LF	200.000	\$20.00	\$4,000.00	\$12.00	\$2,400.00	\$1,600.00
203.601	EMBANKMENT-IN-PLACE	CY	40.000	\$30.00	\$1,200.00	\$15.00	\$600.00	\$600.00
206.1	COMMON STRUCTURE EXCAVATION	CY	120.000	\$30.00	\$3,600.00	\$15.00	\$1,800.00	\$1,800.00
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	50.000	\$40.00	\$2,000.00	\$65.00	\$3,250.00	(\$1,250.00)
304.301	CRUSHED GRAVEL	CY	49.000	\$45.00	\$2,205.00	\$50.00	\$2,450.00	(\$245.00)
304.32	CRUSHED GRAVEL FOR SHOULDER LEVELING	TON	2,850.000	\$18.00	\$51,300.00	\$20.00	\$57,000.00	(\$5,700.00)
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	173.000	\$175.00	\$30,275.00	\$150.00	\$25,950.00	\$4,325.00

## Items

403.6	PAVEMENT JOINT ADHESIVE	LF	834.000	\$6.00	\$5,004.00	\$0.65	\$542.10	\$4,461.90
502.101	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.000	\$20,900.00	\$20,900.00	\$3,000.00	\$3,000.00	\$17,900.00
502.102	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.000	\$16,700.00	\$16,700.00	\$3,000.00	\$3,000.00	\$13,700.00
502.103	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.000	\$20,200.00	\$20,200.00	\$5,000.00	\$5,000.00	\$15,200.00
504.1	COMMON BRIDGE EXCAVATION (F)	CY	54.000	\$25.00	\$1,350.00	\$40.00	\$2,160.00	(\$810.00)
508.	STRUCTURAL FILL	CY	2.000	\$45.00	\$90.00	\$60.00	\$120.00	(\$30.00)
520.0201	CONCRETE CLASS AA, ABOVE FOOTINGS	CY	31.000	\$1,800.00	\$55,800.00	\$1,200.00	\$37,200.00	\$18,600.00
520.1	CONCRETE CLASS A	CY	10.000	\$1,800.00	\$18,000.00	\$750.00	\$7,500.00	\$10,500.00
534.3	WATER REPELLENT (SILANE/SILOXANE)	GAL	5.000	\$100.00	\$500.00	\$150.00	\$750.00	(\$250.00)
538.5	BARRIER MEMBRANE, HEAT WELDED (F)	SY	25.000	\$100.00	\$2,500.00	\$180.00	\$4,500.00	(\$2,000.00)
544.	REINFORCING STEEL (F)	LB	50.000	\$10.00	\$500.00	\$2.00	\$100.00	\$400.00
544.2	REINFORCING STEEL, EPOXY COATED (F)	LB	2,950.000	\$5.00	\$14,750.00	\$2.50	\$7,375.00	\$7,375.00
562.1	SILICONE JOINT SEALANT (F)	LF	20.000	\$40.00	\$800.00	\$20.00	\$400.00	\$400.00
563.22	BRIDGE RAIL T2	LF	52.600	\$132.00	\$6,943.20	\$105.00	\$5,523.00	\$1,420.20
563.301	BRIDGE RAIL T101 (MODIFIED)	LF	40.000	\$145.00	\$5,800.00	\$200.00	\$8,000.00	(\$2,200.00)
563.94	PROTECTIVE SCREENING FOR OVERPASS STRUCTURES	LF	20.000	\$120.00	\$2,400.00	\$70.00	\$1,400.00	\$1,000.00
565.222	BRIDGE APPROACH RAIL T2 (STEEL POSTS)	U	4.000	\$5,050.00	\$20,200.00	\$4,000.00	\$16,000.00	\$4,200.00
565.802	ADJUSTING BRIDGE APPROACH RAIL	U	6.000	\$1,095.00	\$6,570.00	\$500.00	\$3,000.00	\$3,570.00
565.92	BRIDGE APPROACH RAIL, ASYMMETRICAL THRIE BEAM TRANSITION (STEEL POSTS)	U	4.000	\$2,885.00	\$11,540.00	\$2,000.00	\$8,000.00	\$3,540.00
570.4	MORTAR RUBBLE MASONRY (F)	CY	10.000	\$600.00	\$6,000.00	\$500.00	\$5,000.00	\$1,000.00
585.3	STONE FILL, CLASS C	CY	160.000	\$50.00	\$8,000.00	\$40.00	\$6,400.00	\$1,600.00
593.421	GEOTEXTILE; PERM CONTROL CL.2, NON-WOVEN	SY	330.000	\$3.00	\$990.00	\$2.00	\$660.00	\$330.00
603.34115	15" STEEL END SECTIONS	EA	35.000	\$200.00	\$7,000.00	\$230.00	\$8,050.00	(\$1,050.00)

603.44012	12" CORRUGATED POLYETHYLENE PIPE FOR SLOPE DRAINAGE	LF	595.000	\$70.00	\$41,650.00	\$50.00	\$29,750.00	\$11,900.00
604.0007	POLYETHYLENE LINER	EA	35.000	\$200.00	\$7,000.00	\$150.00	\$5,250.00	\$1,750.00
604.246	DROP INLETS TYPE D-F	U	32.000	\$2,400.00	\$76,800.00	\$2,100.00	\$67,200.00	\$9,600.00
606.000	STEEL BEAM FOR BEAM GUARDRAIL	LF	200.000	\$9.00	\$1,800.00	\$8.00	\$1,600.00	\$200.00
606.012	W6X9 STEEL POST REPLACEMENTS FOR BEAM GUARDRAIL POSTS	EA	60.000	\$62.50	\$3,750.00	\$50.00	\$3,000.00	\$750.00
606.0122	W6X9 STEEL POST ASSEMBLIES FOR BEAM GUARDRAIL POSTS	EA	60.000	\$8.25	\$495.00	\$10.00	\$600.00	(\$105.00)
606.1203	BEAM GUARDRAIL (STANDARD SECTION - THRIE BEAM) (STEEL POST)	LF	50.000	\$26.00	\$1,300.00	\$30.00	\$1,500.00	(\$200.00)
606.1254	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 3) (STEEL POST)	U	50.000	\$1,835.00	\$91,750.00	\$1,800.00	\$90,000.00	\$1,750.00
606.12551	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 2 - 25') (STEEL POST)	U	7.000	\$1,600.00	\$11,200.00	\$1,800.00	\$12,600.00	(\$1,400.00)
606.127	BEAM GUARDRAIL (TERMINAL UNIT TYPE G-2) (STEEL POST)	U	6.000	\$485.00	\$2,910.00	\$500.00	\$3,000.00	(\$90.00)
606.1285	BEAM GUARDRAIL (BRIDGE APPROACH UNIT)	U	4.000	\$3,800.00	\$15,200.00	\$3,000.00	\$12,000.00	\$3,200.00
606.12851	BEAM GUARDRAIL (BRIDGE APPROACH UNIT-MODIFIED)	U	2.000	\$4,200.00	\$8,400.00	\$2,800.00	\$5,600.00	\$2,800.00
606.1296	BEAM GUARDRAIL (TERMINAL UNIT TYPE E-2) (STEEL POST)	LF	190.000	\$36.50	\$6,935.00	\$30.00	\$5,700.00	\$1,235.00
606.141	BEAM GUARDRAIL (CURVED W/CRT POSTS)	LF	75.000	\$36.50	\$2,737.50	\$25.00	\$1,875.00	\$862.50
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	16,700.000	\$14.25	\$237,975.00	\$15.00	\$250,500.00	(\$12,525.00)
606.181	31" W-BEAM GUARDRAIL LONG SPAN (12.5') (STEEL POST)	U	2.000	\$2,200.00	\$4,400.00	\$3,400.00	\$6,800.00	(\$2,400.00)
606.182	31" W-BEAM GUARDRAIL LONG SPAN (18'-9") (STEEL POST)	U	1.000	\$2,400.00	\$2,400.00	\$3,500.00	\$3,500.00	(\$1,100.00)
606.183	31" W-BEAM GUARDRAIL LONG SPAN (25') (STEEL POST)	U	1.000	\$3,125.00	\$3,125.00	\$3,700.00	\$3,700.00	(\$575.00)
606.312	SINGLE FACED TRANSITION RAIL, STEEL POST	U	2.000	\$45.00	\$90.00	\$3,000.00	\$6,000.00	(\$5,910.00)
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	550.000	\$46.00	\$25,300.00	\$35.00	\$19,250.00	\$6,050.00

606.5716	WOOD GUARDRAIL (DOUBLE 4" X 8" RAIL, 6'-6" WOOD POST)	LF	312.500	\$30.00	\$9,375.00	\$40.00	\$12,500.00	(\$3,125.00)
606.84	ANCHOR FOR CURVED GUARDRAIL WCRT POSTS	U	1.000	\$1,575.00	\$1,575.00	\$1,200.00	\$1,200.00	\$375.00
606.91	RESETTING OR SETTING GUARDRAIL	LF	100.000	\$15.00	\$1,500.00	\$20.00	\$2,000.00	(\$500.00)
606.91254	RESETTING TERMINAL UNIT (TYPE TL 3 EAGRT) (STEEL POST)	U	7.000	\$350.00	\$2,450.00	\$500.00	\$3,500.00	(\$1,050.00)
606.9523	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 3	U	6.000	\$4,000.00	\$24,000.00	\$4,000.00	\$24,000.00	\$0.00
609.01	STRAIGHT GRANITE CURB	LF	125.000	\$86.50	\$10,812.50	\$30.00	\$3,750.00	\$7,062.50
609.811	BITUMINOUS CURB, TYPE B (4" REVEAL)	LF	4,025.000	\$9.25	\$37,231.25	\$5.00	\$20,125.00	\$17,106.25
616.1711	PORTABLE TRAFFIC SIGNAL (PTS) SYSTEM (MONTH)	MON	1.500	\$6,000.00	\$9,000.00	\$6,500.00	\$9,750.00	(\$750.00)
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	17,000.000	\$1.00	\$17,000.00	\$1.00	\$17,000.00	\$0.00
618.7	FLAGGERS	HR	1,700.000	\$21.45	\$36,465.00	\$22.00	\$37,400.00	(\$935.00)
619.1	MAINTENANCE OF TRAFFIC	U	1.000	\$50,900.00	\$50,900.00	\$82,000.00	\$82,000.00	(\$31,100.00)
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	2.000	\$250.00	\$500.00	\$3,500.00	\$7,000.00	(\$6,500.00)
619.253	PORTABLE CHANGEABLE MESSAGE SIGN (UNIT WEEK)	UWK	16.000	\$175.00	\$2,800.00	\$150.00	\$2,400.00	\$400.00
619.279	AUTOMATED TRAILER-MOUNTED SPEED LIMIT SIGN	U	1.000	\$200.00	\$200.00	\$5,000.00	\$5,000.00	(\$4,800.00)
619.63	TRUCK-MOUNTED IMPACT ATTENUATOR, TEST LEVEL 3	U	1.000	\$2,500.00	\$2,500.00	\$9,000.00	\$9,000.00	(\$6,500.00)
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	260.000	\$5.00	\$1,300.00	\$5.00	\$1,300.00	\$0.00
621.31	SINGLE DELINEATOR WITH POST	EA	220.000	\$35.00	\$7,700.00	\$30.00	\$6,600.00	\$1,100.00
621.32	DOUBLE DELINEATOR WITH POST	EA	50.000	\$40.00	\$2,000.00	\$35.00	\$1,750.00	\$250.00
622.1	STEEL WITNESS MARKERS	EA	35.000	\$35.00	\$1,225.00	\$28.00	\$980.00	\$245.00
628.2	SAWED BITUMINOUS PAVEMENT	LF	4,800.000	\$2.00	\$9,600.00	\$2.00	\$9,600.00	\$0.00
628.22	SAWED BITUMINOUS PAVEMENT (BRIDGE)	LF	245.000	\$5.00	\$1,225.00	\$11.00	\$2,695.00	(\$1,470.00)
632.1104	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 4" LINE	LF	4,860.000	\$3.00	\$14,580.00	\$1.20	\$5,832.00	\$8,748.00

632.1118	I	PREFORMED RETROREFLECTIVE TAPE, TYPE (REMOVABLE) 18" LINE	LF	30.000	\$10.00	\$300.00	\$7.00	\$210.00	\$90.00
632.1304	I	BLACKOUT PAVEMENT MARKING TAPE, TYPE (REMOVABLE), 4" LINE	LF	5,450.000	\$3.00	\$16,350.00	\$2.50	\$13,625.00	\$2,725.00
632.2104	II	PREFORMED RETROREFLECTIVE TAPE, TYPE (NON-REMOVABLE) 4" LINE	LF	30.000	\$10.00	\$300.00	\$10.00	\$300.00	\$0.00
634.2		RELOCATE BOULDERS	EA	30.000	\$300.00	\$9,000.00	\$100.00	\$3,000.00	\$6,000.00
645.3		EROSION STONE	TON	150.000	\$30.00	\$4,500.00	\$30.00	\$4,500.00	\$0.00
645.44		TEMPORARY SLOPE STABILIZATION TYPE D (WILDLIFE FRIENDLY)	SY	1,000.000	\$2.00	\$2,000.00	\$1.50	\$1,500.00	\$500.00
645.512		COMPOST SOCK FOR PERIMETER BERM	LF	9,500.000	\$5.50	\$52,250.00	\$4.00	\$38,000.00	\$14,250.00
645.531		SILT FENCE	LF	10,800.000	\$2.50	\$27,000.00	\$3.00	\$32,400.00	(\$5,400.00)
645.7		STORM WATER POLLUTION PREVENTION PLAN	U	1.000	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$0.00
645.71		MONITORING SWPPP AND EROSION AND SEDIMENT CONTROLS	HR	70.000	\$60.00	\$4,200.00	\$60.00	\$4,200.00	\$0.00
646.3		TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS	A	3.000	\$2,400.00	\$7,200.00	\$2,000.00	\$6,000.00	\$1,200.00
647.1		HUMUS	CY	2,007.000	\$38.00	\$76,266.00	\$30.00	\$60,210.00	\$16,056.00
670.104		TEMPORARY PORTABLE LIGHTING	U	4.000	\$4,500.00	\$18,000.00	\$5,000.00	\$20,000.00	(\$2,000.00)
692.		MOBILIZATION	U	1.000	\$97,000.00	\$97,000.00	\$75,000.00	\$75,000.00	\$22,000.00
698.13		FIELD OFFICE TYPE C	MON	6.000	\$1,625.00	\$9,750.00	\$1,700.00	\$10,200.00	(\$450.00)
699.		MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	2,000.000	\$1.00	\$2,000.00	\$1.00	\$2,000.00	\$0.00
1002.1		REPAIRS OR REPLACEMENTS AS NEEDED - BRIDGE STRUCTURES	\$	13,000.000	\$1.00	\$13,000.00	\$1.00	\$13,000.00	\$0.00
1010.15		FUEL ADJUSTMENT	\$	20,000.000	\$1.00	\$20,000.00	\$1.00	\$20,000.00	\$0.00

**Total:** \$1,566,384.45 \$1,405,682.10 \$160,702.35





# CERTIFICATE OF LIABILITY INSURANCE

DELUC-2 OP ID: DD

DATE (MM/DD/YYYY)

05/18/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> DeSanctis Insurance Agcy, Inc. 100 Unicorn Park Drive Woburn, MA 01801	<b>CONTACT NAME:</b> Adam W. DeSanctis	<b>FAX (A/C, No):</b> 781-933-5645	
	<b>PHONE (A/C, No, Ext):</b> 781-935-8480	<b>E-MAIL ADDRESS:</b>	
<b>INSURED</b> State of New Hampshire Department of Transportation 7 Hazen Drive Concord, NH 03302	<b>INSURER(S) AFFORDING COVERAGE</b>		<b>NAIC #</b>
	<b>INSURER A:</b> Zurich American Insurance Co.		
	<b>INSURER B:</b>		
	<b>INSURER C:</b>		
	<b>INSURER D:</b>		
	<b>INSURER E:</b>		
<b>INSURER F:</b>			

**COVERAGES****CERTIFICATE NUMBER:****REVISION NUMBER:**

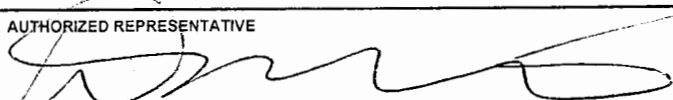
THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR VVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	COMMERCIAL GENERAL LIABILITY			OCP0231963852	05/18/2016	05/18/2017	EACH OCCURRENCE	\$ 2,000,000
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	\$
	<input checked="" type="checkbox"/> Owner/Cont Prot.						MED EXP (Any one person)	\$
	GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC						PERSONAL & ADV INJURY	\$
							GENERAL AGGREGATE	\$ 3,000,000
							PRODUCTS - COMP/OP AGG	\$
								\$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	\$
	<input type="checkbox"/> ANY AUTO						BODILY INJURY (Per person)	\$
	<input type="checkbox"/> ALL OWNED AUTOS						BODILY INJURY (Per accident)	\$
	<input type="checkbox"/> HIRED AUTOS						PROPERTY DAMAGE (Per accident)	\$
								\$
	UMBRELLA LIAB						EACH OCCURRENCE	\$
	<input type="checkbox"/> EXCESS LIAB						AGGREGATE	\$
								\$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY						PER STATUTE	OTH-ER
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)						E.L. EACH ACCIDENT	\$
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	\$
							E.L. DISEASE - POLICY LIMIT	\$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Project: Statewide -X-A000(836), 13857A. Project involves replacing guardrail and end terminals along NH Route 16.  
 Designated Contractor: DeLucca Fence Company Inc.

**CERTIFICATE HOLDER****CANCELLATION**

<b>NHDEP-2</b>  State of New Hampshire Dept. of Transportation 7 Hazen Dr. Concord, NH 03302	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE 
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