

20A s.a.m.



THE STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION



Victoria F. Sheehan
Commissioner

William Cass, P.E.
Assistant Commissioner

Bureau of Construction
April 19, 2017

His Excellency, Governor Christopher T. Sununu
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 \$864,749.50 for replacement of deficient guardrail in the District 5 and 6 area, from the date of Governor and Council approval through October 20, 2017 unless extended by the Department in accordance with the Standard Specifications. 100% Federal Funds.

Funding is available as follows for FY 2017, and is contingent upon the availability and continued appropriation of fund for FY 2018:

Funding is available as follows:	<u>FY 2017</u>	<u>FY 2018</u>
04-96-96-963515-3054		
Consolidated Federal Aid		
400-500870 Highway Contract Payments	\$364,749.50	\$500,000.00

2. Further authorize that a contingency in the amount of \$60,532.47 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>	<u>FY 2018</u>
04-96-96-963515-3054		
Consolidated Federal Aid		
400-500870 Highway Contract Payments	\$0.00	\$60,532.47

EXPLANATION

This project is part of the State's Ten Year Transportation Improvement Plan, under the Highway Safety Improvement Program (HSIP). This project involves the replacement of approximately 123 "F" terminal guardrail units, removal of 17,900 feet of guardrail and the construction of approximately 18,000 feet of new guardrail. The existing "F" terminal units will be upgraded to meet the current guardrail standards. The "F" terminal units are located at various locations throughout Maintenance Districts 5 and 6 on Tier 2 & 3 roadways. District 5 has 5 runs of guardrail and District 6 has 93 runs. A breakdown of the towns and routes this project encompasses is as follows:

District 5

- Chester on NH Route 102 (295 feet of new guardrail)
- Raymond on NH Route 101 and NH Route 27 (450 feet of new guardrail)

District 6

- Barrington on NH Route 202 (325 feet of new guardrail)
- Dover on NH Route 155 (200 feet of new guardrail)
- East Kingston on NH Route 108 (612.5 feet of new guardrail)
- Epping on NH Route 27 (875 feet of new guardrail)
- Exeter on NH Route 108, NH Route 111 and NH Route 111A (1275 feet of new guardrail)
- Farmington on NH Route 75 (150 feet of new guardrail)
- Fremont on NH Route 111A (800 feet of new guardrail)

- ❑ Hampton Falls on NH Route 88 and NH Route 84 (2,200 feet of new guardrail)
- ❑ Hampton on NH Route 1A and NH Route 27 (912.5 feet of new guardrail)
- ❑ Lee/Durham on NH Route 155A (537.5 feet of new guardrail)
- ❑ Madbury on NH Route 155 (712.5 feet of new guardrail)
- ❑ Milton on NH Route 125 and NH Route 75 (1,912.5 feet of new guardrail)
- ❑ Newfields on NH Route 87 (112.5 feet of new guardrail)
- ❑ New Castle on NH 1B (100 feet of new guardrail)
- ❑ North Hampton on NH Route 1A, NH Route 111 and NH Route 151 (2,212.5 feet of new guardrail)
- ❑ Portsmouth on NH Route 1B, US Route 1 Bypass and NH Route 33 (2,762.5 feet of new guardrail)
- ❑ Rochester on US Route 202 (500 feet of new guardrail)
- ❑ Rye on NH Route 1A (362.5 feet of new guardrail)
- ❑ Seabrook on US Route 1 (187.5 feet of new guardrail)
- ❑ Strafford on NH Route 202A (512.5 feet of new guardrail)

The existing F-Units, which dive into the ground and are attached to a concrete anchor, were originally constructed in the mid 1980's and do not meet current safety standards. The intent of the project is to replace the existing sub-standard "F" terminal end unit guardrail with new steel post and beam guardrail and extend the guardrail where necessary to bring the guardrail up to current standards. This project will continue the Departments "Driving Toward Zero" initiative, protecting against serious run-off the road crashes.

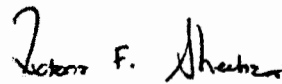
The Contingency amount is proposed to be 7% and is required as this work will require some amount of adjustment (guardrail extensions, grading and environmental protection measures) due to varying field conditions and cost overruns could be encountered. Ground survey for these types of projects is not acquired in order to keep the engineering cost low.

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 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 90% federal funds with 10% 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: \$888,203.70

Contract Amount: \$864,749.50

Under Estimate: \$ 23,454.20

Attachments

SUPPLEMENTAL PROJECT INFORMATION SHEET

DESCRIPTION: This project involves the replacement of approximately 123 “F” terminal guardrail units, removal of 17,900 feet of guardrail and the construction of approximately 18,000 feet of new guardrail. The existing “F” terminal units will be upgraded to meet the current guardrail standards. The “F” terminal units are located at various locations throughout Maintenance Districts 5 and 6 on Tier 2 & 3 roadways. District 5 has 5 runs of guardrail and District 6 has 93 runs. A breakdown of the towns and routes this project encompasses is as follows:

District 5

- Chester on NH Route 102 (295 feet of new guardrail)
- Raymond on NH Route 101 and NH Route 27 (450 feet of new guardrail)

District 6

- Barrington on NH Route 202 (325 feet of new guardrail)
- Dover on NH Route 155 (200 feet of new guardrail)
- East Kingston on NH Route 108 (612.5 feet of new guardrail)
- Epping on NH Route 27 (875 feet of new guardrail)
- Exeter on NH Route 108, NH Route 111 and NH Route 111A (1275 feet of new guardrail)
- Farmington on NH Route 75 (150 feet of new guardrail)
- Fremont on NH Route 111A (800 feet of new guardrail)
- Hampton Falls on NH Route 88 and NH Route 84 (2,200 feet of new guardrail)
- Hampton on NH Route 1A and NH Route 27 (912.5 feet of new guardrail)
- Lee/Durham on NH Route 155A (537.5 feet of new guardrail)
- Madbury on NH Route 155 (712.5 feet of new guardrail)
- Milton on NH Route 125 and NH Route 75 (1,912.5 feet of new guardrail)
- Newfields on NH Route 87 (112.5 feet of new guardrail)
- New Castle on NH 1B (100 feet of new guardrail)
- North Hampton on NH Route 1A, NH Route 111 and NH Route 151 (2,212.5 feet of new guardrail)
- Portsmouth on NH Route 1B, US Route 1 Bypass and NH Route 33 (2,762.5 feet of new guardrail)
- Rochester on US Route 202 (500 feet of new guardrail)
- Rye on NH Route 1A (362.5 feet of new guardrail)
- Seabrook on US Route 1 (187.5 feet of new guardrail)
- Strafford on NH Route 202A (512.5 feet of new guardrail)

FEDERAL FUNDING: The Construction funding is identified from the Highway Safety Improvement Program (HSIP #6767) at 90% Federal Funding with the anticipated utilization of Turnpike Toll Credits as the State’s 10% match.

CONTINGENCY: The Contingency amount is proposed to be 7% and is required as this work will require some amount of adjustment (guardrail extensions, grading and environmental protection measures) due to varying field conditions and cost overruns could be encountered. Ground survey for these types of projects is not acquired in order to keep the engineering cost low.

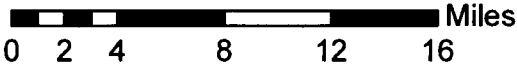
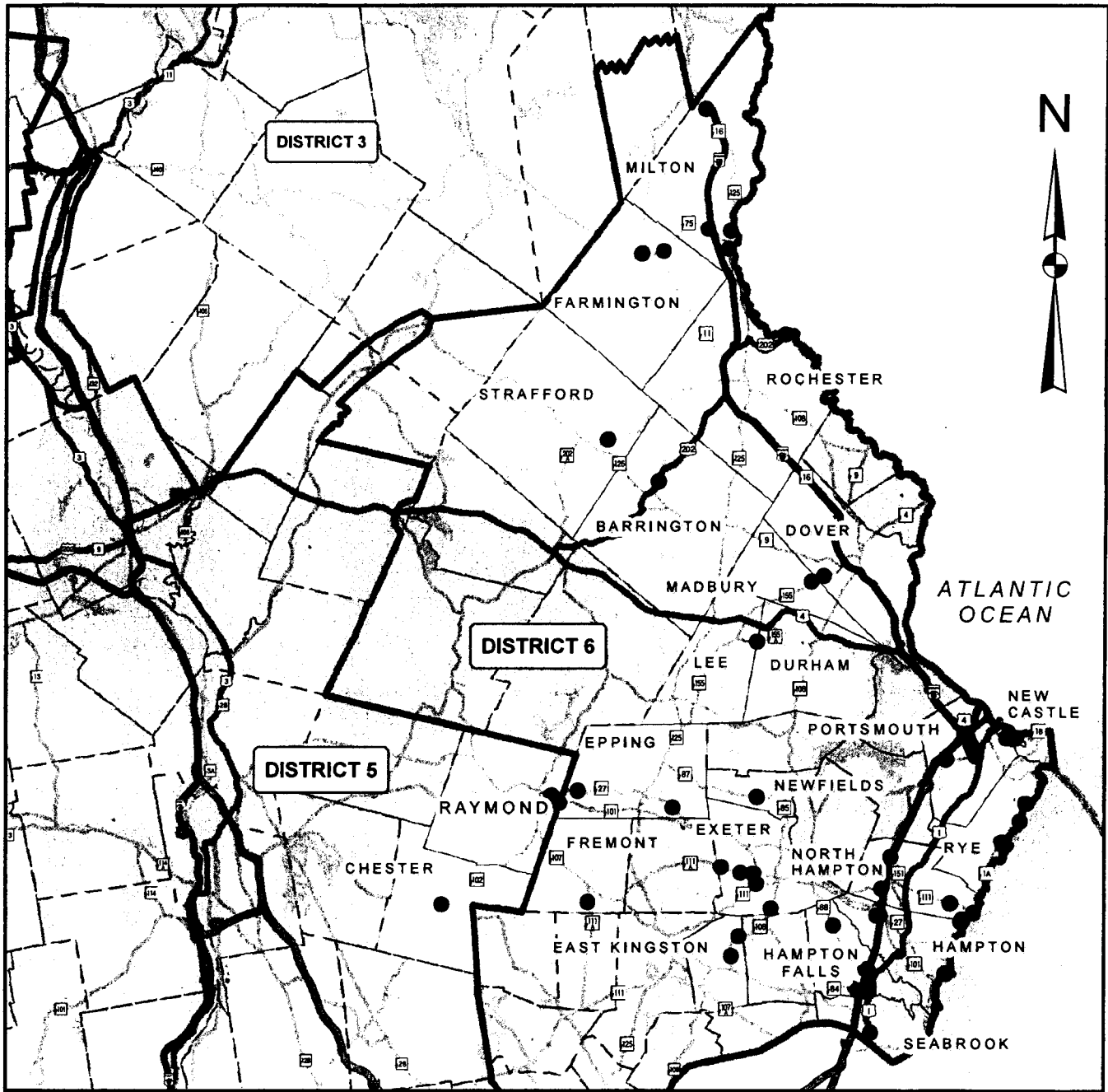
PROJECT INITIATED: State’s Ten-Year Plan – under the HSIP Program.

PROJECT EXPLANATION: The existing F-Units, which dive into the ground and are attached to a concrete anchor, were originally constructed in the mid 1980’s and do not meet current safety standards. The intent of the project is to replace the existing sub-standard “F” terminal end unit guardrail with new steel post and beam guardrail and extend the guardrail where necessary to bring the guardrail up to current standards. This project will continue the Departments “Driving Toward Zero” initiative, protecting against serious run-off the road crashes.

TRAFFIC IMPLICATIONS: One-lane, alternating two-way traffic will be permitted with the use of flaggers or uniformed officers. A 14-foot minimum width lane will be provided for one-lane, alternating two-way traffic and will be restored to two-way traffic prior to non-work hours. Daytime shoulder closures will be permitted in conjunction with traffic shifts allowing for guardrail and other operations, where feasible.

COMPLETION DATE: October 20, 2017

Statewide F-Terminal Unit Replacement

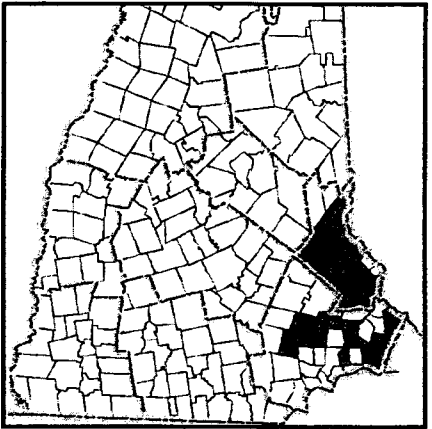


LEGEND

- Streams
- Water Bodies
- US Routes
- State Routes
- Interstates
- Local Roads
- - - Town Boundary
- District Boundary
- Proposed Guardrail Work

New Hampshire
DOT
 Department of Transportation

State #: 40604
 Federal #: X-A004(432)
LOCATION MAP



PROJECT: STATEWIDE
 STATE PROJECT NUMBER: 40604
 FED. PROJECT NUMBER: X-A004(432)
 DATE BIDS OPEN: April 06, 2017, 2:00
 SCOPE OF WORK: Various Routes Guardrail replacement of substandard F terminal units
 COMPLETION DATE: October 20, 2017
 LOCATION:

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

Amount: \$864,749.50
 Award Date:

Certified by: PETER E. STAMNAS
Director of Project Development

Summary of Bidders

Contractor	Bid Amount	Rank
DELUCCA FENCE CO., INC. FIVE OLD FERRY ROAD, METHUEN MA 01844	\$864,749.50	A
PREMIER FENCE LLC 1010 TURNPIKE STREET, CANTON MA 02021	\$939,276.77	B
CWS FENCE & GUARDRAIL CO 261 FRANKLIN HWY, ANDOVER NH 03216-3810	\$1,115,761.00	C

Item No.	Description	Unit	Quantity	PS&E		DELUVCA FENCE CO., INC. FIVE OLD FERRY ROAD METHUEN, MA 01844		PREMIER FENCE LLC 1010 TURNPIKE STREET CANTON, MA 02021	
				Unit Price	Total	Unit Price	Total	Unit Price	Total

Items

202.6	CURB REMOVAL FOR SALVAGE	LF	250.000	\$5.70	\$1,425.00	\$12.00	\$3,000.00	\$5.36	\$1,340.00
202.7	REMOVAL OF GUARDRAIL	LF	17,900.000	\$1.60	\$28,640.00	\$1.40	\$25,060.00	\$2.10	\$37,590.00
203.1	COMMON EXCAVATION	CY	20.000	\$40.00	\$800.00	\$35.00	\$700.00	\$43.00	\$860.00
203.5540	GUARDRAIL TAPERED RAIL PLATFORM	LF	75.000	\$20.00	\$1,500.00	\$12.50	\$937.50	\$26.88	\$2,016.00
203.55542	GUARDRAIL EAGRT OFFSET PLATFORM ALTERNATE, TL	U	13.000	\$1,000.00	\$13,000.00	\$850.00	\$11,050.00	\$1,182.50	\$15,372.50
203.55552	GUARDRAIL EAGRT OFFSET PLATFORM ALTERNATE, TL	U	58.000	\$975.00	\$56,550.00	\$800.00	\$46,400.00	\$1,080.38	\$62,662.04
203.55554	GUARDRAIL EAGRT OFFSET PLATFORM ALTERNATE, TL	U	3.000	\$900.00	\$2,700.00	\$750.00	\$2,250.00	\$1,048.13	\$3,144.39
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	100.000	\$40.00	\$4,000.00	\$45.00	\$4,500.00	\$3.75	\$5,375.00
206.2	ROCK STRUCTURE EXCAVATION	CY	5.000	\$80.00	\$400.00	\$75.00	\$375.00	\$268.75	\$1,343.75
304.301	CRUSHED GRAVEL	CY	30.000	\$35.00	\$1,050.00	\$35.00	\$1,050.00	\$41.93	\$1,257.90
304.32	CRUSHED GRAVEL FOR SHOULDER LEVELING	TON	350.000	\$34.00	\$11,900.00	\$37.00	\$12,950.00	\$52.68	\$18,438.00
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	16.500	\$200.00	\$3,300.00	\$185.00	\$3,052.50	\$268.75	\$4,434.38
403.6	PAVEMENT JOINT ADHESIVE	LF	350.000	\$3.25	\$1,137.50	\$3.00	\$1,050.00	\$1.08	\$378.00
550.1	STRUCTURAL STEEL (F)	LB	140.000	\$10.00	\$1,400.00	\$4.00	\$560.00	\$11.20	\$1,568.00
563.81	REHABILITATION OF BRIDGE RAIL	LF	72.000	\$50.00	\$3,600.00	\$48.25	\$3,474.00	\$36.00	\$2,592.00
565.802	ADJUSTING BRIDGE APPROACH RAIL	U	10.000	\$800.00	\$8,000.00	\$400.00	\$4,000.00	\$430.00	\$4,300.00
565.919	BRIDGE APPROACH RAIL, THREE BEAM TRANSITION (STEEL POSTS) (MODIFIED)	U	2.000	\$2,500.00	\$5,000.00	\$5,000.00	\$10,000.00	\$3,210.00	\$6,420.00
585.3	STONE FILL, CLASS C	CY	30.000	\$45.00	\$1,350.00	\$45.00	\$1,350.00	\$55.09	\$1,652.70
593.411	GEOTEXTILE; PERM CONTROL CL-1, NON-WOVEN	SY	20.000	\$5.00	\$100.00	\$15.00	\$300.00	\$21.50	\$430.00
604.4	RECONSTRUCTING/ADJUSTING CATCH BASIN & DROP INLET	LF	3.000	\$430.00	\$1,290.00	\$550.00	\$1,650.00	\$510.63	\$1,531.89
606.000	STEEL BEAM FOR BEAM GUARDRAIL	LF	1,600.000	\$8.25	\$13,200.00	\$6.50	\$10,400.00	\$8.12	\$12,992.00
606.012	W8X9 STEEL POST REPLACEMENTS FOR BEAM GUARDRAIL POSTS	EA	300.000	\$50.00	\$15,000.00	\$55.00	\$16,500.00	\$56.00	\$16,800.00
606.0122	W8X9 STEEL POST ASSEMBLIES FOR BEAM GUARDRAIL POSTS	EA	315.000	\$11.00	\$3,465.00	\$12.50	\$3,937.50	\$12.00	\$3,780.00
606.01578	FURNISH STEEL POSTS (NU-GUARD-31), 6'-6" WITH HARDWARE	EA	25.000	\$40.00	\$1,000.00	\$52.00	\$1,300.00	\$56.00	\$1,400.00
606.1254	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 3) (STEEL POST)	U	18.000	\$1,950.00	\$35,100.00	\$2,000.00	\$36,000.00	\$2,282.00	\$41,076.00
606.1255	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 2) (STEEL POST)	U	86.000	\$1,825.00	\$156,950.00	\$2,000.00	\$172,000.00	\$2,176.00	\$187,136.00
606.12551	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 2 - 25') (STEEL POST)	U	9.000	\$1,700.00	\$15,300.00	\$2,000.00	\$18,000.00	\$2,176.00	\$19,584.00
606.1256	TERMINAL UNIT (X-TENSION)	U	5.000	\$5,200.00	\$26,000.00	\$5,750.00	\$28,750.00	\$6,930.00	\$34,680.00
606.1257	MEDIAN GUARDRAIL TERMINAL UNIT	U	2.000	\$10,000.00	\$20,000.00	\$5,800.00	\$11,600.00	\$5,170.00	\$10,340.00
606.127	BEAM GUARDRAIL (TERMINAL UNIT TYPE G-2) (STEEL POST)	U	4.000	\$480.00	\$1,920.00	\$485.00	\$1,940.00	\$582.00	\$2,328.00
606.141	BEAM GUARDRAIL (CURVED W/CRT POSTS)	LF	80.000	\$20.00	\$1,600.00	\$35.60	\$2,848.00	\$24.00	\$1,920.00
606.15808	BEAM GUARDRAIL, STEEL POSTS (NU-GUARD-31)	LF	725.000	\$20.00	\$14,500.00	\$17.00	\$12,325.00	\$17.58	\$12,745.50
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	12,000.000	\$16.00	\$192,000.00	\$16.25	\$195,000.00	\$16.72	\$200,640.00
606.18011	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	110.000	\$20.00	\$2,200.00	\$19.00	\$2,090.00	\$19.72	\$2,169.20
606.181	31" W-BEAM GUARDRAIL LONG SPAN (12.5') (STEEL POST)	U	4.000	\$3,100.00	\$12,400.00	\$2,850.00	\$11,400.00	\$1,836.00	\$7,344.00

Item No.	Description	Unit	Quantity	PS&E		DELUCCA FENCE CO., INC. FIVE HILLS HWY ROAD METROEN, MA 01044		PREMIER FENCE LLC 1010 TURKPIKE STREET CANTON, MA 02021	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
806.28001	31" DOUBLE FACED W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	200,000	\$24.00	\$4,800.00	\$23.50	\$4,700.00	\$24.30	\$4,860.00
606.84	ANCHOR FOR CURVED GUARDRAIL W/CRT POSTS	U	1,000	\$1,600.00	\$1,600.00	\$1,400.00	\$1,400.00	\$1,402.00	\$1,402.00
609.5	RESET GRANITE CURB	LF	100,000	\$55.00	\$5,500.00	\$25.00	\$2,500.00	\$21.50	\$2,150.00
609.811	BITUMINOUS CURB, TYPE B (4" REVEAL)	LF	350,000	\$12.00	\$4,200.00	\$14.00	\$4,900.00	\$12.90	\$4,515.00
618.81	UNIFORMED OFFICERS WITH VEHICLE	\$	16,000,000	\$1.00	\$16,000,000	\$1.00	\$16,000,000	\$1.00	\$16,000,000
618.7	FLAGGERS	HR	2,000,000	\$22.00	\$44,000,000	\$23.25	\$46,500,000	\$29.40	\$58,800,000
619.1	MAINTENANCE OF TRAFFIC	U	1,000	\$35,000.00	\$35,000.00	\$25,500.00	\$25,500.00	\$18,815.00	\$18,815.00
619.253	PORTABLE CHANGEABLE MESSAGE SIGN (UNIT WEEK)	UNWK	21,000	\$200.00	\$4,200.00	\$100.00	\$2,100.00	\$210.00	\$4,410.00
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	266,000	\$4.20	\$1,201.20	\$4.00	\$1,144.00	\$4.42	\$1,264.12
621.31	SINGLE DELINEATOR WITH POST	EA	73,000	\$35.00	\$2,555.00	\$38.00	\$2,774.00	\$33.00	\$2,409.00
821.32	DOUBLE DELINEATOR WITH POST	EA	64,000	\$40.00	\$2,560.00	\$38.00	\$2,432.00	\$36.00	\$2,304.00
628.2	SAWED BITUMINOUS PAVEMENT	LF	450,000	\$2.00	\$900.00	\$2.00	\$900.00	\$3.23	\$1,453.50
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	3,500,000	\$4.50	\$15,750.00	\$4.75	\$16,625.00	\$3.76	\$13,160.00
645.531	SILT FENCE	LF	3,500,000	\$2.00	\$7,000.00	\$2.25	\$7,875.00	\$2.69	\$9,415.00
646.31	TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS	SY	4,000,000	\$1.75	\$7,000.00	\$2.25	\$9,000.00	\$2.42	\$9,680.00
647.1	HUMUS	CY	360,000	\$30.00	\$10,800.00	\$35.00	\$12,600.00	\$45.15	\$16,254.00
692.	MOBILIZATION	U	1,000	\$42,360.00	\$42,360.00	\$25,000.00	\$25,000.00	\$19,773.90	\$19,773.90
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	5,000,000	\$1.00	\$5,000.00	\$1.00	\$5,000.00	\$1.00	\$5,000.00
1002.1	REPAIRS OR REPLACEMENTS AS NEEDED - BRIDGE STRUCTURES	\$	10,000,000	\$1.00	\$10,000,000	\$1.00	\$10,000,000	\$1.00	\$10,000,000
1010.15	FUEL ADJUSTMENT	\$	10,000,000	\$1.00	\$10,000,000	\$1.00	\$10,000,000	\$1.00	\$10,000,000

Totals: **\$888,203.70** **\$864,749.50** **\$939,276.77**

Item No.	Description	Unit	Quantity	PS&E		CWS FENCE & GUARDRAIL CO 281 FRANKLIN HWY ANDOVER, NH 03216-3810	
				Unit Price	Total	Unit Price	Total

Items

202.6	CURB REMOVAL FOR SALVAGE	LF	250.000	\$5.70	\$1,425.00	\$10.00	\$2,500.00
202.7	REMOVAL OF GUARDRAIL	LF	17,900.000	\$1.60	\$28,640.00	\$2.50	\$44,750.00
203.1	COMMON EXCAVATION	CY	20.000	\$40.00	\$800.00	\$50.00	\$1,000.00
203.5540	GUARDRAIL TAPERED RAIL PLATFORM	LF	75.000	\$20.00	\$1,500.00	\$30.00	\$2,250.00
203.55542	GUARDRAIL EAGRT OFFSET PLATFORM ALTERNATE, TL	U	13.000	\$1,000.00	\$13,000.00	\$1,100.00	\$14,300.00
203.55552	GUARDRAIL EAGRT OFFSET PLATFORM ALTERNATE, TL	U	58.000	\$975.00	\$56,550.00	\$1,100.00	\$63,800.00
203.55554	GUARDRAIL EAGRT OFFSET PLATFORM ALTERNATE, TL	U	3.000	\$900.00	\$2,700.00	\$1,100.00	\$3,300.00
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	100.000	\$40.00	\$4,000.00	\$50.00	\$5,000.00
206.2	ROCK STRUCTURE EXCAVATION	CY	5.000	\$80.00	\$400.00	\$100.00	\$500.00
304.301	CRUSHED GRAVEL	CY	30.000	\$35.00	\$1,050.00	\$60.00	\$1,800.00
304.32	CRUSHED GRAVEL FOR SHOULDER LEVELING	TON	350.000	\$34.00	\$11,900.00	\$40.00	\$14,000.00
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	16.500	\$200.00	\$3,300.00	\$200.00	\$3,300.00
403.8	PAVEMENT JOINT ADHESIVE	LF	350.000	\$3.25	\$1,137.50	\$3.00	\$1,050.00
550.1	STRUCTURAL STEEL (F)	LB	140.000	\$10.00	\$1,400.00	\$10.00	\$1,400.00
563.81	REHABILITATION OF BRIDGE RAIL	LF	72.000	\$50.00	\$3,600.00	\$20.00	\$1,440.00
565.802	ADJUSTING BRIDGE APPROACH RAIL	U	10.000	\$800.00	\$8,000.00	\$990.00	\$9,900.00
565.919	BRIDGE APPROACH RAIL, THREE BEAM TRANSITION (STEEL POSTS) (MODIFIED)	U	2.000	\$2,500.00	\$5,000.00	\$3,200.00	\$6,400.00
585.3	STONE FILL, CLASS C	CY	30.000	\$45.00	\$1,350.00	\$55.00	\$1,650.00
593.411	GEOTEXTILE; PERM CONTROL CL-1, NON-WOVEN	SY	20.000	\$5.00	\$100.00	\$20.00	\$400.00
604.4	RECONSTRUCTING/ADJUSTING CATCH BASIN & DROP INLET	LF	3.000	\$430.00	\$1,290.00	\$500.00	\$1,500.00
606.000	STEEL BEAM FOR BEAM GUARDRAIL	LF	1,600.000	\$8.25	\$13,200.00	\$10.00	\$16,000.00
606.012	W6X9 STEEL POST REPLACEMENTS FOR BEAM GUARDRAIL POSTS	EA	300.000	\$50.00	\$15,000.00	\$60.00	\$18,000.00
606.0122	W6X9 STEEL POST ASSEMBLIES FOR BEAM GUARDRAIL POSTS	EA	315.000	\$11.00	\$3,465.00	\$15.00	\$4,725.00
606.01578	FURNISH STEEL POSTS (NU-GUARD-31), 6'-6" WITH HARDWARE	EA	25.000	\$40.00	\$1,000.00	\$60.00	\$1,500.00
606.1254	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 3) (STEEL POST)	U	18.000	\$1,950.00	\$35,100.00	\$2,450.00	\$44,100.00
606.1255	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 2) (STEEL POST)	U	86.000	\$1,825.00	\$156,950.00	\$2,250.00	\$193,500.00
606.12551	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 2 - 25') (STEEL POST)	U	9.000	\$1,700.00	\$15,300.00	\$2,250.00	\$20,250.00
606.1256	TERMINAL UNIT (X-TENSION)	U	5.000	\$5,200.00	\$26,000.00	\$5,700.00	\$28,500.00
606.1257	MEDIAN GUARDRAIL TERMINAL UNIT	U	2.000	\$10,000.00	\$20,000.00	\$5,800.00	\$11,600.00
606.127	BEAM GUARDRAIL (TERMINAL UNIT TYPE G-2) (STEEL POST)	U	4.000	\$480.00	\$1,920.00	\$600.00	\$2,400.00
606.141	BEAM GUARDRAIL (CURVED W/VRT POSTS)	LF	80.000	\$20.00	\$1,600.00	\$26.00	\$2,080.00
606.15808	BEAM GUARDRAIL, STEEL POSTS (NU-GUARD-31)	LF	725.000	\$20.00	\$14,500.00	\$19.60	\$14,210.00
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	12,000.000	\$16.00	\$192,000.00	\$17.80	\$213,600.00
606.18011	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	110.000	\$20.00	\$2,200.00	\$19.50	\$2,145.00
606.181	31" W-BEAM GUARDRAIL LONG SPAN (12.5') (STEEL POST)	U	4.000	\$3,100.00	\$12,400.00	\$3,200.00	\$12,800.00

Item No.	Description	Unit	Quantity	PS&E		CWS FENCE & GUARDRAIL CO 261 FRANKLIN HWY ANDOVER, NH 03210-5810		Total	Unit Price	Total
				Unit Price	Total	Unit Price	Total			
806.28001	31" DOUBLE FACED W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	200,000	\$24.00	\$4,800.00	\$36.00	\$7,200.00			
606.84	ANCHOR FOR CURVED GUARDRAIL W/CRT POSTS	U	1,000	\$1,600.00	\$1,600.00	\$2,000.00	\$2,000.00			
609.5	RESET GRANITE CURB	LF	100,000	\$55.00	\$5,500.00	\$30.00	\$3,000.00			
609.811	BITUMINOUS CURB, TYPE B (4" REVEAL)	LF	350,000	\$12.00	\$4,200.00	\$10.00	\$3,500.00			
618.81	UNIFORMED OFFICERS WITH VEHICLE	\$	16,000,000	\$1.00	\$16,000.00	\$1.00	\$16,000.00			
618.7	FLAGGERS	HR	2,000,000	\$22.00	\$44,000.00	\$25.00	\$50,000.00			
619.1	MAINTENANCE OF TRAFFIC	U	1,000	\$35,000.00	\$35,000.00	\$75,000.00	\$75,000.00			
619.253	PORTABLE CHANGEABLE MESSAGE SIGN (UNIT WEEK)	UWK	21,000	\$200.00	\$4,200.00	\$200.00	\$4,200.00			
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	286,000	\$4.20	\$1,201.20	\$4.00	\$1,144.00			
621.31	SINGLE DELINEATOR WITH POST	EA	73,000	\$35.00	\$2,555.00	\$38.00	\$2,774.00			
621.32	DOUBLE DELINEATOR WITH POST	EA	64,000	\$40.00	\$2,560.00	\$40.00	\$2,560.00			
628.2	SAWED BITUMINOUS PAVEMENT	LF	450,000	\$2.00	\$900.00	\$4.00	\$1,800.00			
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	3,500,000	\$4.50	\$15,750.00	\$5.20	\$18,200.00			
645.531	SILT FENCE	LF	3,500,000	\$2.00	\$7,000.00	\$3.00	\$10,500.00			
646.31	TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS	SY	4,000,000	\$1.75	\$7,000.00	\$3.50	\$14,000.00			
647.1	HUMUS	CY	360,000	\$30.00	\$10,800.00	\$40.00	\$14,400.00			
692.	MOBILIZATION	U	1,000	\$42,360.00	\$42,360.00	\$98,833.00	\$98,833.00			
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	5,000,000	\$1.00	\$5,000.00	\$1.00	\$5,000.00			
1002.1	REPAIRS OR REPLACEMENTS AS NEEDED - BRIDGE STRUCTURES	\$	10,000,000	\$1.00	\$10,000.00	\$1.00	\$10,000.00			
1010.15	FUEL ADJUSTMENT	\$	10,000,000	\$1.00	\$10,000.00	\$1.00	\$10,000.00			

Totals:

\$888,203.70	\$1,115,761.00
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PS&E Comparison

STATEWIDE
40604
X-A004(432)

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
202.6	CURB REMOVAL FOR SALVAGE	LF	250.000	\$12.00	\$3,000.00	\$5.70	\$1,425.00	\$1,575.00
202.7	REMOVAL OF GUARDRAIL	LF	17,900.000	\$1.40	\$25,060.00	\$1.60	\$28,640.00	(\$3,580.00)
203.1	COMMON EXCAVATION	CY	20.000	\$35.00	\$700.00	\$40.00	\$800.00	(\$100.00)
203.5540	GUARDRAIL TAPERED RAIL PLATFORM	LF	75.000	\$12.50	\$937.50	\$20.00	\$1,500.00	(\$562.50)
203.55542	GUARDRAIL EAGRT OFFSET PLATFORM ALTERNATE, TL 3	U	13.000	\$850.00	\$11,050.00	\$1,000.00	\$13,000.00	(\$1,950.00)
203.55552	GUARDRAIL EAGRT OFFSET PLATFORM ALTERNATE, TL 2	U	58.000	\$800.00	\$46,400.00	\$975.00	\$56,550.00	(\$10,150.00)
203.55554	GUARDRAIL EAGRT OFFSET PLATFORM ALTERNATE, TL 2 - 25'	U	3.000	\$750.00	\$2,250.00	\$900.00	\$2,700.00	(\$450.00)
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	100.000	\$45.00	\$4,500.00	\$40.00	\$4,000.00	\$500.00
206.2	ROCK STRUCTURE EXCAVATION	CY	5.000	\$75.00	\$375.00	\$80.00	\$400.00	(\$25.00)
304.301	CRUSHED GRAVEL	CY	30.000	\$35.00	\$1,050.00	\$35.00	\$1,050.00	\$0.00
304.32	CRUSHED GRAVEL FOR SHOULDER LEVELING	TON	350.000	\$37.00	\$12,950.00	\$34.00	\$11,900.00	\$1,050.00
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	16.500	\$185.00	\$3,052.50	\$200.00	\$3,300.00	(\$247.50)
403.6	PAVEMENT JOINT ADHESIVE	LF	350.000	\$3.00	\$1,050.00	\$3.25	\$1,137.50	(\$87.50)
550.1	STRUCTURAL STEEL (F)	LB	140.000	\$4.00	\$560.00	\$10.00	\$1,400.00	(\$840.00)

Items

563.81	REHABILITATION OF BRIDGE RAIL	LF	72.000	\$48.25	\$3,474.00	\$50.00	\$3,600.00	(\$126.00)
565.802	ADJUSTING BRIDGE APPROACH RAIL	U	10.000	\$400.00	\$4,000.00	\$800.00	\$8,000.00	(\$4,000.00)
565.919	BRIDGE APPROACH RAIL, THRIE BEAM TRANSITION (STEEL POSTS) (MODIFIED)	U	2.000	\$5,000.00	\$10,000.00	\$2,500.00	\$5,000.00	\$5,000.00
585.3	STONE FILL, CLASS C	CY	30.000	\$45.00	\$1,350.00	\$45.00	\$1,350.00	\$0.00
593.411	GEOTEXTILE; PERM CONTROL CL.1, NON- WOVEN	SY	20.000	\$15.00	\$300.00	\$5.00	\$100.00	\$200.00
604.4	RECONSTRUCTING/ADJUSTING CATCH BASIN & DROP INLET	LF	3.000	\$550.00	\$1,650.00	\$430.00	\$1,290.00	\$360.00
606.000	STEEL BEAM FOR BEAM GUARDRAIL	LF	1,600.000	\$6.50	\$10,400.00	\$8.25	\$13,200.00	(\$2,800.00)
606.012	W6X9 STEEL POST REPLACEMENTS FOR BEAM GUARDRAIL POSTS	EA	300.000	\$55.00	\$16,500.00	\$50.00	\$15,000.00	\$1,500.00
606.0122	W6X9 STEEL POST ASSEMBLIES FOR BEAM GUARDRAIL POSTS	EA	315.000	\$12.50	\$3,937.50	\$11.00	\$3,465.00	\$472.50
606.01578	FURNISH STEEL POSTS (NU-GUARD-31), 6'-6" WITH HARDWARE	EA	25.000	\$52.00	\$1,300.00	\$40.00	\$1,000.00	\$300.00
606.1254	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 3) (STEEL POST)	U	18.000	\$2,000.00	\$36,000.00	\$1,950.00	\$35,100.00	\$900.00
606.1255	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 2) (STEEL POST)	U	86.000	\$2,000.00	\$172,000.00	\$1,825.00	\$156,950.00	\$15,050.00
606.12551	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 2 - 25') (STEEL POST)	U	9.000	\$2,000.00	\$18,000.00	\$1,700.00	\$15,300.00	\$2,700.00
606.1256	TERMINAL UNIT (X-TENSION)	U	5.000	\$5,750.00	\$28,750.00	\$5,200.00	\$26,000.00	\$2,750.00
606.1257	MEDIAN GUARDRAIL TERMINAL UNIT	U	2.000	\$5,800.00	\$11,600.00	\$10,000.00	\$20,000.00	(\$8,400.00)
606.127	BEAM GUARDRAIL (TERMINAL UNIT TYPE G-2) (STEEL POST)	U	4.000	\$485.00	\$1,940.00	\$480.00	\$1,920.00	\$20.00
606.141	BEAM GUARDRAIL (CURVED WCRT POSTS)	LF	80.000	\$35.60	\$2,848.00	\$20.00	\$1,600.00	\$1,248.00
606.15808	BEAM GUARDRAIL, STEEL POSTS (NU-GUARD -31)	LF	725.000	\$17.00	\$12,325.00	\$20.00	\$14,500.00	(\$2,175.00)
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	12,000.000	\$16.25	\$195,000.00	\$16.00	\$192,000.00	\$3,000.00
606.18011	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (8' STEEL POST)	LF	110.000	\$19.00	\$2,090.00	\$20.00	\$2,200.00	(\$110.00)

606.181	31" W-BEAM GUARDRAIL LONG SPAN (12.5') (STEEL POST)	U	4.000	\$2,850.00	\$11,400.00	\$3,100.00	\$12,400.00	(\$1,000.00)
606.28001	31" DOUBLE FACED W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	200.000	\$23.50	\$4,700.00	\$24.00	\$4,800.00	(\$100.00)
606.84	ANCHOR FOR CURVED GUARDRAIL W/CRT POSTS	U	1.000	\$1,400.00	\$1,400.00	\$1,600.00	\$1,600.00	(\$200.00)
609.5	RESET GRANITE CURB	LF	100.000	\$25.00	\$2,500.00	\$55.00	\$5,500.00	(\$3,000.00)
609.811	BITUMINOUS CURB, TYPE B (4" REVEAL)	LF	350.000	\$14.00	\$4,900.00	\$12.00	\$4,200.00	\$700.00
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	16,000.000	\$1.00	\$16,000.00	\$1.00	\$16,000.00	\$0.00
618.7	FLAGGERS	HR	2,000.000	\$23.25	\$46,500.00	\$22.00	\$44,000.00	\$2,500.00
619.1	MAINTENANCE OF TRAFFIC	U	1.000	\$25,500.00	\$25,500.00	\$35,000.00	\$35,000.00	(\$9,500.00)
619.253	PORTABLE CHANGEABLE MESSAGE SIGN (UNIT WEEK)	UWK	21.000	\$100.00	\$2,100.00	\$200.00	\$4,200.00	(\$2,100.00)
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	286.000	\$4.00	\$1,144.00	\$4.20	\$1,201.20	(\$57.20)
621.31	SINGLE DELINEATOR WITH POST	EA	73.000	\$38.00	\$2,774.00	\$35.00	\$2,555.00	\$219.00
621.32	DOUBLE DELINEATOR WITH POST	EA	64.000	\$38.00	\$2,432.00	\$40.00	\$2,560.00	(\$128.00)
628.2	SAWED BITUMINOUS PAVEMENT	LF	450.000	\$2.00	\$900.00	\$2.00	\$900.00	\$0.00
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	3,500.000	\$4.75	\$16,625.00	\$4.50	\$15,750.00	\$875.00
645.531	SILT FENCE	LF	3,500.000	\$2.25	\$7,875.00	\$2.00	\$7,000.00	\$875.00
646.31	TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS	SY	4,000.000	\$2.25	\$9,000.00	\$1.75	\$7,000.00	\$2,000.00
647.1	HUMUS	CY	360.000	\$35.00	\$12,600.00	\$30.00	\$10,800.00	\$1,800.00
692.	MOBILIZATION	U	1.000	\$25,000.00	\$25,000.00	\$42,360.00	\$42,360.00	(\$17,360.00)
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	5,000.000	\$1.00	\$5,000.00	\$1.00	\$5,000.00	\$0.00
1002.1	REPAIRS OR REPLACEMENTS AS NEEDED - BRIDGE STRUCTURES	\$	10,000.000	\$1.00	\$10,000.00	\$1.00	\$10,000.00	\$0.00
1010.15	FUEL ADJUSTMENT	\$	10,000.000	\$1.00	\$10,000.00	\$1.00	\$10,000.00	\$0.00

Total:

\$864,749.50

\$888,203.70

(\$23,454.20)



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
04/13/2017

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).

PRODUCER DeSanctis Insurance Agcy, Inc. 100 Unicorn Park Drive Woburn, MA 01801	CONTACT NAME: Adam W. DeSanctis PHONE (A/C, No, Ext): 781-935-8480 E-MAIL ADDRESS:	FAX (A/C, No): 781-933-5645
	INSURER(S) AFFORDING COVERAGE	
INSURED State of New Hampshire Department of Transportation 7 Hazen Drive, PO Box 483 Concord, NH 03302-0483	INSURER A: Crum & Forster Insurance Co.	NAIC # 42471
	INSURER B:	
	INSURER C:	
	INSURER D:	
	INSURER E:	
	INSURER F:	

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 WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Owner/Cont Prot.			OCP008726789	04/13/2017	01/01/2018	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ OTHER \$
	GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:						
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ OTHER \$
	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$ OTHER \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		Y/N N/A				PER STATUTE OTH-ER E.L. EACH ACCIDENT \$ 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)
DFC Job #17-225. Statewide Project No. A004(432),40604, Guardrail replacement and installation.
Designated Contractor: DeLucca Fence Company Inc.

CERTIFICATE HOLDER NHDEP-2 State of New Hampshire Department of Transportation John O Morton Building 7 Hazen Dr. PO Box 483 Concord, NH 03302-0483	CANCELLATION 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 