



THE STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION



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CHRISTOPHER D. CLEMENT, SR.
COMMISSIONER

JEFF BRILLHART, P.E.
ASSISTANT COMMISSIONER

Bureau of Construction
February 24, 2014

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 R.S. Audley Inc., (Vendor 154222) of Bow, NH on the basis of a low bid of \$696,482.10 for replacement of median box beam guardrail with concrete median barrier and other related work along NH 16 (Spaulding Turnpike) in Portsmouth, from the date of Governor and Council approval through August 22, 2014 unless extended by the Department in accordance with the Standard Specifications. 100% Turnpike Funds.

Table with 3 columns: Funding description, FY 2014, FY 2015. Includes items like 04-96-96-961017-7025 Turnpike Renewal & Replacement and 400-500870 Highway Contract Payments.

2. Further authorize that a contingency in the amount of \$34,824.11 be approved for payment of latent conditions, which may appear during the construction of the project. The contingency requested is 5% of the contract amount and is reasonable for projects of this type.

Table with 2 columns: Contingency Funding description, FY 2015. Includes 04-96-96-961017-7025 Turnpike Renewal & Replacement and 400-500870 Highway Contract Payments.

EXPLANATION

This project is part of the Turnpike Renewal and Replacement Program. The work involves replacement of deteriorated median box beam guardrail with 2,000 LF of concrete barrier and paved median shoulders along the Spaulding Turnpike, beginning at the Portsmouth Traffic Circle extending northerly. The work will also involve rehabilitation of the existing drainage system in the median and replacement of 650 LF of deteriorated w-beam guardrail with the same type, north of the concrete barrier limits. The existing box beam barrier has met its constructive lifespan and in its current state, requires continual maintenance. Given the reduced lengths of this type of rail within the State, the Bureau of Turnpikes has reduced inventory to support only the required maintenance needs. More importantly, replacement of the existing box beam guardrail will eliminate the need for employees to work within lane closures along a high-speed,

high volume roadway. The concrete barrier will enhance motorist safety, as it will improve the barrier crash rating.

The contingency amount is proposed to be 5% of the contract amount, given that the drainage infrastructure included in this contract was inspected only visually from outside the structure. The barrel block structures and concrete pipe are from the original construction and may require more than the typical rehabilitation work currently identified in the contract documents.

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,



Christopher D. Clement, Sr.
Commissioner

CDC/md

Department Estimate: \$744,943.25

Contract Amount: \$696,482.10

Under Estimate: \$ 48,461.15

Attachments

PROJECT: PORTSMOUTH

STATE NO: 23782

Date: January 16, 2014

SUPPLEMENTAL PROJECT INFORMATION SHEET

DESCRIPTION: This median box beam guardrail and w-beam guardrail replacement project is located along NH 16 (Spaulding Turnpike) in Portsmouth. The existing box beam guardrail begins at the Portsmouth traffic circle and proceeds northerly 0.38 miles. The w-beam guardrail replacement starts at the northerly limit of the box beam guardrail and continues another 0.12 miles. Concrete barrier, in conjunction with porous pavement median shoulders, will be utilized to replace the existing box beam guardrail and grass/concrete panel. Rehabilitation of an existing drainage system within the median is also proposed. The catch basins are of barrel block construction and are to be rehabilitated and modified to accommodate the placement of the barrier. Due to impacts from construction and condition of the run of guardrail located on the left side of the Spaulding Turnpike SB ramp, it will be replaced with new guardrail.

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

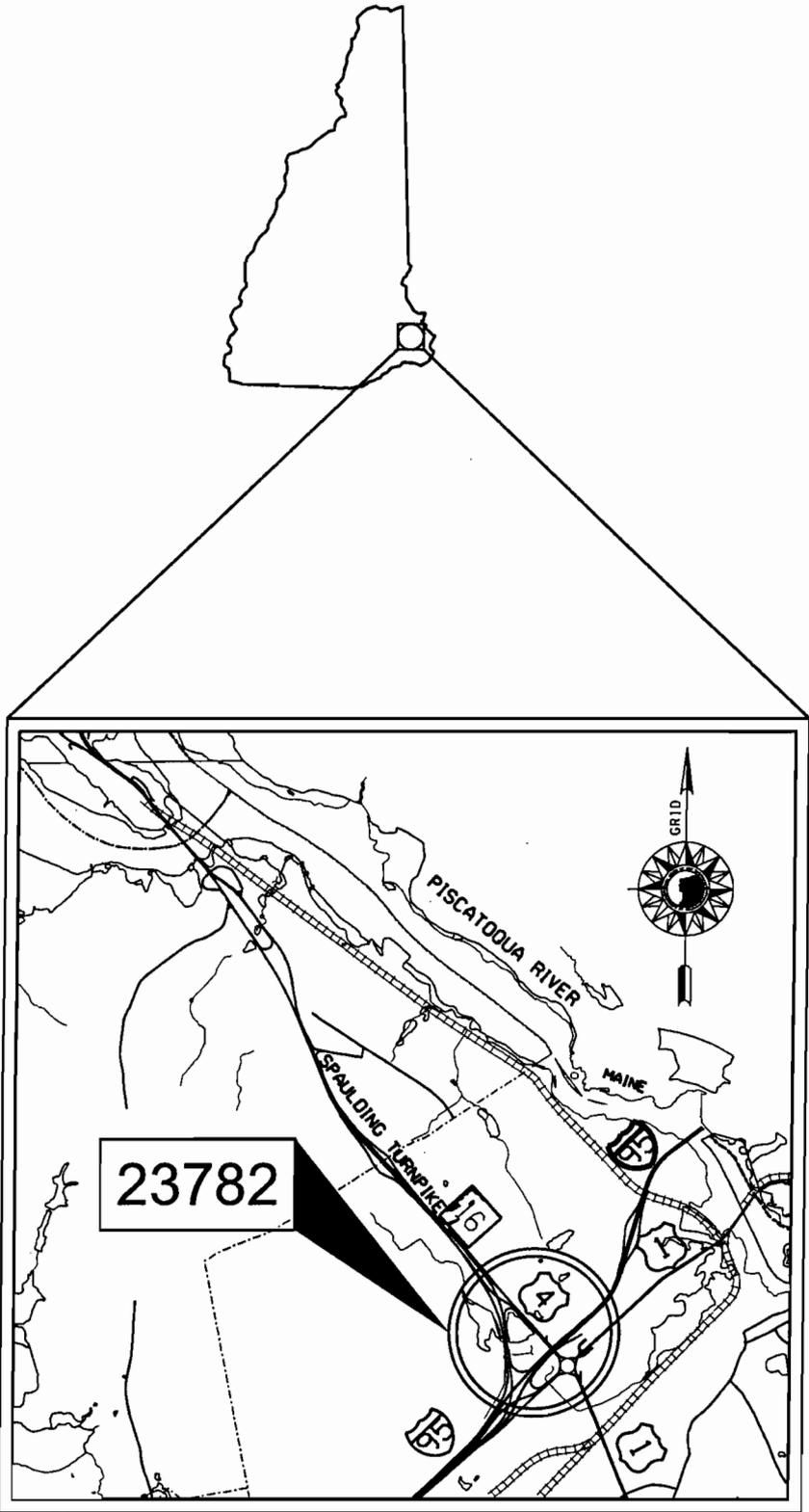
CONTINGENCY: A contingency amount is proposed to be 5% of the contract amount. The drainage infrastructure included in this contract was inspected visually from outside the structure. The barrel block structures and concrete pipe are from the original construction and may require more than the typical rehab work currently identified in the contract documents.

PROJECT INITIATED: Bureau of Turnpikes Renewal and Replacement Program

EXPLANATION: The existing box beam barrier has met its constructive lifespan. In its current state, it requires continual maintenance. Given the reduced lengths of this type of rail within the State, the Bureau of Turnpikes has reduced inventory to support only the required maintenance needs. More importantly, replacement of the existing guardrail will eliminate the need for employees to work within lane closures along a high-speed, high volume roadway. The concrete barrier will enhance motorist safety, as it will increase the crash rating from TL-2 to TL-5.

TRAFFIC IMPLICATIONS: Median shoulders within the project limits will be reduced to allow for the placement of temporary portable concrete barrier. Unless otherwise approved by the Engineer, no lane closures will be permitted Monday through Thursdays from 6 AM – 9 AM & 2 PM – 7 PM and no lane closures permitted Friday, Saturday or Sunday.

COMPLETION DATE: August 22, 2014



LOCATION MAP



GRAPHIC SCALE

**State of New Hampshire
Department of Transportation**

23782.01

Project:	PORTSMOUTH NON-FEDERL 23782	
County and Code:	ROCKINGHAM COUNTY 015	
Date Bids Open:	February 13, 2014	
Scope of Work:	GUARDRAIL REPLACEMENT	
Location:	NH 16 (SPAULDING TURNPIKE) IN PORTSMOUTH	
Completion Date:	August 22, 2014	
A R. S. AUDLEY, INC. 609 ROUTE 3A, BOW, NH 03304		\$696,482.10
B F. L. MERRILL CONSTRUCTION INC. 619 SAND ROAD, PEMBROKE, NH 03275		\$714,804.45
C SUR CONSTRUCTION, INC. 233 CHESTNUT HILL ROAD ROCHESTER, NH 03867		\$718,785.00
D NORTHEAST EARTH MECHANICS INC 159 BARNSTEAD ROAD PITTSFIELD NH 03263		\$728,866.00
E ALVIN J COLEMAN & SON INC (B001) 9 NH RTE 113 CONWAY, NH 03818-9505		\$755,423.00
F R.M. PIPER, INC. PO BOX 490, PLYMOUTH, NH 03264		\$932,043.00

Item No.	Description	Unit	Quantity	A		B		C	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
202.7	REMOVAL OF GUARDRAIL	LF	2,700.00	\$2.50	\$6,750.00	\$2.00	\$5,400.00	\$1.75	\$4,725.00
203.1	COMMON EXCAVATION	CY	1,165.00	\$15.00	\$17,475.00	\$8.75	\$10,193.75	\$7.50	\$8,737.50
203.2	ROCK EXCAVATION	CY	125.00	\$16.00	\$2,000.00	\$15.00	\$1,875.00	\$20.00	\$2,500.00
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	50.00	\$50.00	\$2,500.00	\$26.00	\$1,300.00	\$15.00	\$750.00
214	FINE GRADING	U	1.00	\$650.00	\$650.00	\$8,000.00	\$8,000.00	\$15,000.00	\$15,000.00
304.81	POROUS MEDIA CHOKER COURSE	CY	650.00	\$38.00	\$24,700.00	\$28.00	\$18,200.00	\$30.00	\$19,500.00
403.4	MATERIAL TRANSFER VEHICLE (MTV)	TON	1,100.00	\$2.00	\$2,200.00	\$2.00	\$2,200.00	\$2.00	\$2,200.00
403.6	PAVEMENT JOINT ADHESIVE	LF	14,210.00	\$0.26	\$3,694.60	\$0.22	\$3,126.20	\$0.20	\$2,842.00
403.71	POROUS PAVEMENT MIX	TON	1,100.00	\$92.00	\$101,200.00	\$105.00	\$115,500.00	\$95.00	\$104,500.00
603.00212	12" R.C. PIPE, 2000D	LF	30.00	\$45.00	\$1,350.00	\$50.00	\$1,500.00	\$147.00	\$4,410.00
603.00215	15" R.C. PIPE, 2000D	LF	30.00	\$45.00	\$1,350.00	\$50.00	\$1,500.00	\$150.00	\$4,500.00
603.00218	18" R.C. PIPE, 2000D	LF	30.00	\$45.00	\$1,350.00	\$50.00	\$1,500.00	\$160.00	\$4,800.00
603.00224	24" R.C. PIPE, 2000D	LF	30.00	\$50.00	\$1,500.00	\$50.00	\$1,500.00	\$174.00	\$5,220.00
603.00230	30" R.C. PIPE, 2000D	LF	30.00	\$60.00	\$1,800.00	\$50.00	\$1,500.00	\$195.00	\$5,850.00
603.00236	36" R.C. PIPE, 2000D	LF	30.00	\$70.00	\$2,100.00	\$50.00	\$1,500.00	\$210.00	\$6,300.00
604.0007	POLYETHYLENE LINER	EA	10.00	\$235.00	\$2,350.00	\$175.00	\$1,750.00	\$100.00	\$1,000.00
604.242	DROP INLETS TYPE D-B	U	3.00	\$1,600.00	\$4,800.00	\$1,900.00	\$5,700.00	\$915.00	\$2,745.00
604.40091	MODIFY & REHAB, EXISTING BARREL BLOCK CB	U	7.00	\$2,400.00	\$16,800.00	\$2,000.00	\$14,000.00	\$3,000.00	\$21,000.00
604.71	GRATES & FRAMES, TYPE A	EA	17.00	\$530.00	\$9,010.00	\$750.00	\$12,750.00	\$750.00	\$12,750.00
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	675.00	\$20.00	\$13,500.00	\$19.00	\$12,825.00	\$16.50	\$11,137.50
606.413	SINGLE SLOPE CONCRETE MEDIAN BARRIER, PRECAST	LF	2,020.00	\$78.00	\$157,560.00	\$80.00	\$161,600.00	\$83.00	\$167,660.00
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	4,240.00	\$18.00	\$76,320.00	\$20.00	\$84,800.00	\$10.00	\$42,400.00

Item No:	Description	A			B			C		
		Unit	Quantity	Unit Price	Total	Unit Price	Total	Unit Price	Total	
606.9523	TEMP. IMPACT ATTENUATION DEVICE(NON-REDIRECTIVE), TEST LEVEL 3	U	1.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$2,700.00	\$2,700.00	
615.02	TRAFFIC SIGN TYPE B (F)	SF	27.50	\$48.00	\$1,320.00	\$65.00	\$1,787.50	\$50.00	\$1,375.00	
615.03	TRAFFIC SIGN TYPE C (F)	SF	62.50	\$45.00	\$2,812.50	\$50.00	\$3,125.00	\$45.00	\$2,812.50	
615.032	TRAFFIC SIGN TYPE C, BREAKAWAY MOUNTS (F)	SF	72.00	\$125.00	\$9,000.00	\$150.00	\$10,800.00	\$130.00	\$9,360.00	
615.034	RELOCATING TRAFFIC SIGN, TYPE C	U	1.00	\$750.00	\$750.00	\$150.00	\$150.00	\$800.00	\$800.00	
615.06	TRAFFIC SIGN TYPE CC (F)	SF	18.00	\$10.00	\$180.00	\$30.00	\$540.00	\$10.00	\$180.00	
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	75,000.00	\$1.00	\$75,000.00	\$1.00	\$75,000.00	\$1.00	\$75,000.00	
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$6,500.00	\$6,500.00	\$20,000.00	\$20,000.00	\$15,000.00	\$15,000.00	
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	3.00	\$1,500.00	\$4,500.00	\$1,200.00	\$3,600.00	\$1,000.00	\$3,000.00	
619.279	AUTOMATED TRAILER MOUNTED SPEED LIMIT SIGN	U	2.00	\$5,000.00	\$10,000.00	\$1,200.00	\$2,400.00	\$2,400.00	\$4,800.00	
619.63	TRUCK-MOUNTED IMPACT ATTENUATOR, TEST LEVEL 3	U	1.00	\$5,000.00	\$5,000.00	\$6,000.00	\$6,000.00	\$5,340.00	\$5,340.00	
621.1	RETROREFLECTIVE MEDIAN BARRIER DELINEATOR	EA	25.00	\$20.00	\$500.00	\$25.00	\$625.00	\$25.00	\$625.00	
628.2	SAWED BITUMINOUS PAVEMENT	LF	4,080.00	\$2.00	\$8,160.00	\$1.40	\$5,712.00	\$1.00	\$4,080.00	
632.0106	RETROREFLECTIVE PAINT PAVE. MARKING, 6" LINE	LF	2,100.00	\$4.00	\$8,400.00	\$0.45	\$945.00	\$0.45	\$945.00	
632.1106	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 6" LINE	LF	2,100.00	\$5.00	\$10,500.00	\$2.00	\$4,200.00	\$2.00	\$4,200.00	
632.911	OBLITERATE PAVE. MARKING LINE, 12" WIDE & UNDER	LF	300.00	\$1.00	\$300.00	\$2.00	\$600.00	\$2.00	\$600.00	

Item No:	Description	Unit	Quantity	A		B		C	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
670.104	TEMPORARY PORTABLE LIGHTING	U	1.00	\$1,500.00	\$1,500.00	\$2,500.00	\$2,500.00	\$4,000.00	\$4,000.00
678.2	IMPACT ATTENUATION DEVICE (TEST LEVEL 3)	U	1.00	\$21,000.00	\$21,000.00	\$27,000.00	\$27,000.00	\$26,000.00	\$26,000.00
678.201	IMPACT ATTENUATOR FOUNDATION PAD	U	1.00	\$1,500.00	\$1,500.00	\$1,100.00	\$1,100.00	\$500.00	\$500.00
692	MOBILIZATION	U	1.00	\$27,100.00	\$27,100.00	\$29,000.00	\$29,000.00	\$59,440.50	\$59,440.50
699	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	2,500.00	\$1.00	\$2,500.00	\$1.00	\$2,500.00	\$1.00	\$2,500.00
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
1010.2	ASPHALT CEMENT ADJUSTMENT	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00
					\$696,482.10		\$714,804.45		\$718,785.00

Item No:	Description	Unit	D			E			F		
			Quantity	Unit Price	Total	Unit Price	Total	Unit Price	Total		
202.7	REMOVAL OF GUARDRAIL	LF	2,700.00	\$3.00	\$8,100.00	\$2.00	\$5,400.00	\$6.00	\$16,200.00		
203.1	COMMON EXCAVATION	CY	1,165.00	\$22.00	\$25,630.00	\$13.50	\$15,727.50	\$12.00	\$13,980.00		
203.2	ROCK EXCAVATION	CY	125.00	\$43.00	\$5,375.00	\$80.00	\$10,000.00	\$40.00	\$5,000.00		
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	50.00	\$1.00	\$50.00	\$20.00	\$1,000.00	\$25.00	\$1,250.00		
214	FINE GRADING	U	1.00	\$3,500.00	\$3,500.00	\$7,250.00	\$7,250.00	\$8,500.00	\$8,500.00		
304.81	POROUS MEDIA CHOKER COURSE	CY	650.00	\$44.00	\$28,600.00	\$28.00	\$18,200.00	\$40.00	\$26,000.00		
403.4	MATERIAL TRANSFER VEHICLE (MTV)	TON	1,100.00	\$2.00	\$2,200.00	\$2.10	\$2,310.00	\$2.00	\$2,200.00		
403.6	PAVEMENT JOINT ADHESIVE	LF	14,210.00	\$0.30	\$4,263.00	\$0.25	\$3,552.50	\$0.80	\$11,368.00		
403.71	POROUS PAVEMENT MIX	TON	1,100.00	\$108.50	\$119,350.00	\$100.00	\$110,000.00	\$100.00	\$110,000.00		
603.00212	12" R.C. PIPE, 2000D	LF	30.00	\$1.00	\$30.00	\$58.00	\$1,740.00	\$65.00	\$1,950.00		
603.00215	15" R.C. PIPE, 2000D	LF	30.00	\$1.00	\$30.00	\$61.00	\$1,830.00	\$68.00	\$2,040.00		
603.00218	18" R.C. PIPE, 2000D	LF	30.00	\$1.00	\$30.00	\$64.50	\$1,935.00	\$70.00	\$2,100.00		
603.00224	24" R.C. PIPE, 2000D	LF	30.00	\$1.00	\$30.00	\$69.50	\$2,085.00	\$80.00	\$2,400.00		
603.00230	30" R.C. PIPE, 2000D	LF	30.00	\$1.00	\$30.00	\$89.50	\$2,685.00	\$100.00	\$3,000.00		
603.00236	36" R.C. PIPE, 2000D	LF	30.00	\$1.00	\$30.00	\$99.50	\$2,985.00	\$110.00	\$3,300.00		
604.0007	POLYETHYLENE LINER	EA	10.00	\$150.00	\$1,500.00	\$170.00	\$1,700.00	\$220.00	\$2,200.00		
604.242	DROP INLETS TYPE D-B	U	3.00	\$2,300.00	\$6,900.00	\$1,500.00	\$4,500.00	\$1,750.00	\$5,250.00		
604.40091	MODIFY & REHAB, EXISTING BARREL BLOCK CB	U	7.00	\$3,500.00	\$24,500.00	\$1,800.00	\$12,600.00	\$3,000.00	\$21,000.00		
604.71	GRATES & FRAMES, TYPE A	EA	17.00	\$900.00	\$15,300.00	\$630.00	\$10,710.00	\$750.00	\$12,750.00		
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	675.00	\$23.00	\$15,525.00	\$20.50	\$13,837.50	\$17.50	\$11,812.50		
606.413	SINGLE SLOPE CONCRETE MEDIAN BARRIER, PRECAST	LF	2,020.00	\$85.00	\$171,700.00	\$81.00	\$163,620.00	\$90.00	\$181,800.00		
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	4,240.00	\$5.50	\$23,320.00	\$21.00	\$89,040.00	\$28.00	\$118,720.00		

Item No:	Description	Unit	Quantity	Unit Price	Total	Unit Price	Total	Unit Price	Total
606.9523	TEMP. IMPACT ATTENUATION DEVICE(NON-REDIRECTIVE), TEST LEVEL 3	U	1.00	\$2,000.00	\$2,000.00	\$3,600.00	\$3,600.00	\$7,500.00	\$7,500.00
615.02	TRAFFIC SIGN TYPE B (F)	SF	27.50	\$56.00	\$1,540.00	\$52.50	\$1,443.75	\$55.00	\$1,512.50
615.03	TRAFFIC SIGN TYPE C (F)	SF	62.50	\$50.00	\$3,125.00	\$47.50	\$2,968.75	\$50.00	\$3,125.00
615.032	TRAFFIC SIGN TYPE C, BREAKAWAY MOUNTS (F)	SF	72.00	\$145.00	\$10,440.00	\$135.00	\$9,720.00	\$135.00	\$9,720.00
615.034	RELOCATING TRAFFIC SIGN, TYPE C	U	1.00	\$900.00	\$900.00	\$840.00	\$840.00	\$850.00	\$850.00
615.06	TRAFFIC SIGN TYPE CC (F)	SF	18.00	\$11.00	\$198.00	\$21.00	\$378.00	\$10.00	\$180.00
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	75,000.00	\$1.00	\$75,000.00	\$1.00	\$75,000.00	\$1.00	\$75,000.00
619.1	MAINTENANCE OF TRAFFIC PORTABLE CHANGEABLE MESSAGE SIGN	U	1.00	\$27,000.00	\$27,000.00	\$16,400.00	\$16,400.00	\$30,000.00	\$30,000.00
619.25	619.25	U	3.00	\$2,000.00	\$6,000.00	\$4,000.00	\$12,000.00	\$7,500.00	\$22,500.00
619.279	AUTOMATED TRAILER MOUNTED SPEED LIMIT SIGN	U	2.00	\$500.00	\$1,000.00	\$10,800.00	\$21,600.00	\$4,000.00	\$8,000.00
619.63	TRUCK-MOUNTED IMPACT ATTENUATOR, TEST LEVEL 3	U	1.00	\$12,000.00	\$12,000.00	\$9,000.00	\$9,000.00	\$18,000.00	\$18,000.00
621.1	RETROREFLECTIVE MEDIAN BARRIER DELINEATOR	EA	25.00	\$11.00	\$275.00	\$21.00	\$525.00	\$45.00	\$1,125.00
628.2	SAWED BITUMINOUS PAVEMENT	LF	4,080.00	\$2.00	\$8,160.00	\$1.00	\$4,080.00	\$2.00	\$8,160.00
632.0106	RETROREFLECTIVE PAINT PAVE. MARKING, 6" LINE	LF	2,100.00	\$0.60	\$1,260.00	\$1.60	\$3,360.00	\$0.50	\$1,050.00
632.1106	PERFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 6" LINE	LF	2,100.00	\$1.25	\$2,625.00	\$3.20	\$6,720.00	\$2.00	\$4,200.00
632.911	OBLITERATE PAVE. MARKING LINE, 12" WIDE & UNDER	LF	300.00	\$2.00	\$600.00	\$1.10	\$330.00	\$2.00	\$600.00

Item No:	Description	Unit	Quantity	D		E		F	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
670.104	TEMPORARY PORTABLE LIGHTING	U	1.00	\$3,000.00	\$3,000.00	\$6,000.00	\$6,000.00	\$5,200.00	\$5,200.00
678.2	IMPACT ATTENUATION DEVICE (TEST LEVEL 3)	U	1.00	\$29,000.00	\$29,000.00	\$21,000.00	\$21,000.00	\$30,000.00	\$30,000.00
678.201	IMPACT ATTENUATOR FOUNDATION PAD	U	1.00	\$2,250.00	\$2,250.00	\$2,450.00	\$2,450.00	\$5,000.00	\$5,000.00
692	MOBILIZATION	U	1.00	\$39,000.00	\$39,000.00	\$27,800.00	\$27,800.00	\$90,000.00	\$90,000.00
699	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	2,500.00	\$1.00	\$2,500.00	\$1.00	\$2,500.00	\$1.00	\$2,500.00
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
1010.2	ASPHALT CEMENT ADJUSTMENT	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00
					\$728,866.00		\$755,423.00		\$932,043.00

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	
202.7	REMOVAL OF GUARDRAIL	LF	2,700.00	\$2.50	\$6,750.00	\$2.00	\$5,400.00	\$1,350.00
203.1	COMMON EXCAVATION	CY	1,165.00	\$15.00	\$17,475.00	\$15.00	\$17,475.00	\$0.00
203.2	ROCK EXCAVATION	CY	125.00	\$16.00	\$2,000.00	\$33.00	\$4,125.00	(\$2,125.00)
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	50.00	\$50.00	\$2,500.00	\$30.00	\$1,500.00	\$1,000.00
214	FINE GRADING	U	1.00	\$650.00	\$650.00	\$8,000.00	\$8,000.00	(\$7,350.00)
304.81	POROUS MEDIA CHOKER COURSE	CY	650.00	\$38.00	\$24,700.00	\$34.00	\$22,100.00	\$2,600.00
403.4	MATERIAL TRANSFER VEHICLE (MTV)	TON	1,100.00	\$2.00	\$2,200.00	\$2.00	\$2,200.00	\$0.00
403.6	PAVEMENT JOINT ADHESIVE	LF	14,210.00	\$0.26	\$3,694.60	\$0.25	\$3,552.50	\$142.10
403.71	POROUS PAVEMENT MIX	TON	1,100.00	\$92.00	\$101,200.00	\$95.00	\$104,500.00	(\$3,300.00)
603.00212	12" R.C. PIPE, 2000D	LF	30.00	\$45.00	\$1,350.00	\$65.00	\$1,950.00	(\$600.00)
603.00215	15" R.C. PIPE, 2000D	LF	30.00	\$45.00	\$1,350.00	\$75.00	\$2,250.00	(\$900.00)
603.00218	18" R.C. PIPE, 2000D	LF	30.00	\$45.00	\$1,350.00	\$80.00	\$2,400.00	(\$1,050.00)
603.00224	24" R.C. PIPE, 2000D	LF	30.00	\$50.00	\$1,500.00	\$85.00	\$2,550.00	(\$1,050.00)
603.00230	30" R.C. PIPE, 2000D	LF	30.00	\$60.00	\$1,800.00	\$100.00	\$3,000.00	(\$1,200.00)
603.00236	36" R.C. PIPE, 2000D	LF	30.00	\$70.00	\$2,100.00	\$110.00	\$3,300.00	(\$1,200.00)
604.0007	POLYETHYLENE LINER	EA	10.00	\$235.00	\$2,350.00	\$145.00	\$1,450.00	\$900.00
604.242	DROP INLETS TYPE D-B	U	3.00	\$1,600.00	\$4,800.00	\$1,800.00	\$5,400.00	(\$600.00)
604.40091	MODIFY & REHAB, EXISTING BARREL BLOCK CB	U	7.00	\$2,400.00	\$16,800.00	\$2,500.00	\$17,500.00	(\$700.00)
604.71	GRATES & FRAMES, TYPE A	EA	17.00	\$530.00	\$9,010.00	\$640.00	\$10,880.00	(\$1,870.00)
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	675.00	\$20.00	\$13,500.00	\$19.00	\$12,825.00	\$675.00
606.413	SINGLE SLOPE CONCRETE MEDIAN BARRIER, PRECAST	LF	2,020.00	\$78.00	\$157,560.00	\$80.00	\$161,600.00	(\$4,040.00)

A - PS&E Comparison

PS&E = NHDOT Cost Estimate

Item No:	Description	Unit	A-Bidder			PS&E			A-PS&E Difference
			Quantity	Unit Price	Total	Unit Price	Total	Total	
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	4,240.00	\$18.00	\$76,320.00	\$18.50	\$78,440.00	(\$2,120.00)	
606.9523	TEMP. IMPACT ATTENUATION DEVICE(NON-REDIRECTIVE), TEST LEVEL 3	U	1.00	\$4,000.00	\$4,000.00	\$4,700.00	\$4,700.00	(\$700.00)	
615.02	TRAFFIC SIGN TYPE B (F)	SF	27.50	\$48.00	\$1,320.00	\$34.00	\$935.00	\$385.00	
615.03	TRAFFIC SIGN TYPE C (F)	SF	62.50	\$45.00	\$2,812.50	\$18.00	\$1,125.00	\$1,687.50	
615.032	TRAFFIC SIGN TYPE C, BREAKAWAY MOUNTS (F)	SF	72.00	\$125.00	\$9,000.00	\$98.00	\$7,056.00	\$1,944.00	
615.034	RELOCATING TRAFFIC SIGN, TYPE C	U	1.00	\$750.00	\$750.00	\$330.00	\$330.00	\$420.00	
615.06	TRAFFIC SIGN TYPE CC (F)	SF	18.00	\$10.00	\$180.00	\$11.00	\$198.00	(\$18.00)	
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	75,000.00	\$1.00	\$75,000.00	\$1.00	\$75,000.00	\$0.00	
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$6,500.00	\$6,500.00	\$25,000.00	\$25,000.00	(\$18,500.00)	
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	3.00	\$1,500.00	\$4,500.00	\$3,000.00	\$9,000.00	(\$4,500.00)	
619.279	AUTOMATED TRAILER MOUNTED SPEED LIMIT SIGN	U	2.00	\$5,000.00	\$10,000.00	\$5,300.00	\$10,600.00	(\$600.00)	
619.63	TRUCK-MOUNTED IMPACT ATTENUATOR, TEST LEVEL 3	U	1.00	\$5,000.00	\$5,000.00	\$7,000.00	\$7,000.00	(\$2,000.00)	
621.1	RETROREFLECTIVE MEDIAN BARRIER DELINEATOR	EA	25.00	\$20.00	\$500.00	\$12.75	\$318.75	\$181.25	
628.2	SAWED BITUMINOUS PAVEMENT	LF	4,080.00	\$2.00	\$8,160.00	\$1.25	\$5,100.00	\$3,060.00	
632.0106	RETROREFLECTIVE PAINT PAVE. MARKING, 6" LINE	LF	2,100.00	\$4.00	\$8,400.00	\$0.18	\$378.00	\$8,022.00	
632.1106	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 6" LINE	LF	2,100.00	\$5.00	\$10,500.00	\$2.50	\$5,250.00	\$5,250.00	

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	
632.911	OBLITERATE PAVE. MARKING LINE, 12" WIDE & UNDER	LF	300.00	\$1.00	\$300.00	\$0.35	\$105.00	\$195.00
670.104	TEMPORARY PORTABLE LIGHTING	U	1.00	\$1,500.00	\$1,500.00	\$6,000.00	\$6,000.00	(\$4,500.00)
678.2	IMPACT ATTENUATION DEVICE (TEST LEVEL 3)	U	1.00	\$21,000.00	\$21,000.00	\$24,750.00	\$24,750.00	(\$3,750.00)
678.201	IMPACT ATTENUATOR FOUNDATION PAD	U	1.00	\$1,500.00	\$1,500.00	\$2,200.00	\$2,200.00	(\$700.00)
692	MOBILIZATION	U	1.00	\$27,100.00	\$27,100.00	\$40,000.00	\$40,000.00	(\$12,900.00)
699	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	2,500.00	\$1.00	\$2,500.00	\$1.00	\$2,500.00	\$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
1010.2	ASPHALT CEMENT ADJUSTMENT	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00	\$0.00
					\$696,482.10		\$744,943.25	(\$48,461.15)



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
2/18/2014

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 THE ROWLEY AGENCY INC. 139 Loudon Road P.O. Box 511 Concord NH 03302-0511	CONTACT NAME: Christine Holman, CPCU, CIC	
	PHONE (A/C No. Ext): (603) 224-2562 FAX (A/C No.): (603) 224-8012 E-MAIL ADDRESS: cholman@rowleyagency.com	
INSURED R.S. Audley, Inc. 609 Route 3-A Bow NH 03304	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A: Travelers	28188
	INSURER B:	
	INSURER C:	
	INSURER D:	
	INSURER E:	

COVERAGES CERTIFICATE NUMBER: 14-15 all lines 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 INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> CG0001 GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input checked="" type="checkbox"/> LOC			VTNCO2398A78A-PHX-14	1/1/2014	1/1/2015	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
A	AUTOMOBILE LIABILITY <input checked="" 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			VTOCAP2398A791-COF-14	1/1/2014	1/1/2015	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ Medical payments \$ 2,000
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 10,000			VTSMJCUP2398A809-TIL-14	1/1/2014	1/1/2015	EACH OCCURRENCE \$ 10,000,000 AGGREGATE \$ 10,000,000
A	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	3A States: NH, ME VTRKUB-2398A77-8-14	1/1/2014	1/1/2015	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 500,000 E.L. DISEASE - EA EMPLOYEE \$ 500,000 E.L. DISEASE - POLICY LIMIT \$ 500,000
A	Leased/Rented			QT-660-3082B427-COF-14	1/1/2014	1/1/2015	Limit 750,000

DESCRIPTION OF OPERATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
Re Portsmouth 23782 - median box beam guardrail and w-beam guardrail replacement along NH 16, Spaulding Turnpike Certificate holder is included as an additional insured under general liability coverage for ongoing operations when required by written contract. *exception: nonpayment of premium - 10 days

CERTIFICATE HOLDER

State of New Hampshire
Dept of Transportation
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
C Holman, CPCU, CIC/C *Christine Holman*



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
2/18/2014

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 THE ROWLEY AGENCY INC. 139 Loudon Road P.O. Box 511 Concord NH 03302-0511	CONTACT NAME: Christine Holman, CPCU, CIC PHONE (A/C No. Ext): (603) 224-2562 E-MAIL ADDRESS: cholman@rowleyagency.com	FAX (A/C No.): (603) 224-8012
	INSURER(S) AFFORDING COVERAGE	
	INSURER A: Travelers	NAIC # 28188
INSURED State of New Hampshire, Dept of Transportation PO Box 483 Concord NH 03302	INSURER B:	
	INSURER C:	
	INSURER D:	
	INSURER E:	
	INSURER F:	

COVERAGES **CERTIFICATE NUMBER:** OCP- Portsmouth **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 INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS			
A	GENERAL LIABILITY			OCP032614	3/26/2014	3/26/2015	EACH OCCURRENCE \$ 2,000,000			
	<input type="checkbox"/> COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence) \$			
	<input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR						MED EXP (Any one person) \$			
	<input checked="" type="checkbox"/> Owners & Contractors						PERSONAL & ADV INJURY \$			
	GEN'L AGGREGATE LIMIT APPLIES PER:									GENERAL AGGREGATE \$ 3,000,000
	<input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC									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	<input type="checkbox"/> SCHEDULED AUTOS					BODILY INJURY (Per accident) \$			
	<input type="checkbox"/> HIRED AUTOS	<input type="checkbox"/> NON-OWNED AUTOS					PROPERTY DAMAGE (Per accident) \$			
							\$			
	UMBRELLA LIAB	<input type="checkbox"/> OCCUR					EACH OCCURRENCE \$			
	EXCESS LIAB	<input type="checkbox"/> CLAIMS-MADE					AGGREGATE \$			
	DED	RETENTION \$					\$			
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY						WC STATUTORY LIMITS			
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	N/A				OTHER			
							E.L. EACH ACCIDENT \$			
							E.L. DISEASE - EA EMPLOYEE \$			
							E.L. DISEASE - POLICY LIMIT \$			

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
Portsmouth 23782 - median box beam guardrail, and w-beam guardrail replacement along NH 16, Spaulding Turnpike, Portsmouth, NH

CERTIFICATE HOLDER State of New Hampshire Dept of Transportation PO Box 483 Concord, NH 03301	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 C Holman, CPCU, CIC/C <i>Christine Holman</i>