



Victoria F. Sheehan  
Commissioner

THE STATE OF NEW HAMPSHIRE  
DEPARTMENT OF TRANSPORTATION



William Cass, P.E.  
Assistant Commissioner

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His Excellency, Governor Christopher T. Sununu  
and the Honorable Council  
State House  
Concord, New Hampshire 03301

Bureau of Construction  
November 20, 2017

**REQUESTED ACTION**

1. Authorize the Department of Transportation to enter into a contract with Busby Construction, Co., Inc. (Vendor 155275) of Atkinson, NH on the basis of a single bid of \$865,568.00 for culvert/slipline rehabilitation for the Red listed Bridge carrying NH 114 over Bowman Brook in Bedford, from the date of Governor and Council approval through October 26, 2018 unless extended by the Department in accordance with the Standard Specifications. 100% Federal Funds.

Funding is available in State Fiscal Year 2018 and 2019 as follows, with the ability to adjust encumbrances through the Budget Office between State Fiscal Years if needed and justified:

Funding is available as follows:	<u>FY 2018</u>	<u>FY 2019</u>
04-96-96-963515-3054		
Consolidated Federal Aid		
400-500870 Highway Contract Payments	\$500,000.0	\$365,568.00

2. Further authorize that a contingency in the amount of \$86,556.80 be approved for payment of latent conditions, which may appear during the construction of the project. The contingency requested is 10% of the contract amount.

Funding is available as follows:	<u>FY 2018</u>	<u>FY 2019</u>
04-96-96-963515-3054		
Consolidated Federal Aid		
400-500870 Highway Contract Payments		\$86,556.80

**EXPLANATION**

This project is part of the State's Ten Year Transportation Improvement Plan under the Bridge T1/T2 Maintenance and Preservation Program. This project is located on NH 114 approximately 0.5 miles north of NH 101 and is also partially underneath the bridge that carries Old Bedford Road over NH 114. The existing bridge carries NH Route 114 over Bowman Brook, it is a 90" diameter corrugated metal pipe which is 225' long, skewed 45 degrees to the roadway and was built in 1964. The bridge is in serious condition and has been on the State's Red List since 2009, it is currently #18 on the Rehabilitation & Reconstruction (R&R) Bridge Priority list. Weight limit posting is not required at this time. This project consists of rehabilitating the 90" cmp. The proposed construction will remove approximately 15' of pipe from each end; headwalls, wingwalls and scour protection will be constructed

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at the inlet and outlet; and the remaining pipe will be rehabilitated with a centrifugally cast concrete liner. This project will remove the bridge from the State's Red List.

The existing 90" CMP, built in 1964, is on the State's Red List, has a condition rating of 3 (serious), and is number 18 on the State's R & R Bridge Priority List.

The contingency amount is proposed to be 10% of the contract amount to account for payment for latent conditions which may appear during construction of the project.

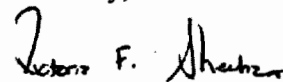
Although there was only one bid received and the bid costs exceeded the Department's estimate by 16.25%, this bid is felt to be reasonable for the work involved. Three items contributed to the 91% of the \$121,000.00 overage. Cofferdams: \$46,000.00 (+38%), rock bridge excavation \$41,000.00 (34%) and concrete class A \$21,000.00 (19%) Readvertising 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 these needed repairs.

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 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: \$744,569.00  
Contract Amount: \$865,568.00  
Over Estimate: \$120,999.00

Attachments

August 18, 2017

## **SUPPLEMENTAL PROJECT INFORMATION SHEET**

**DESCRIPTION:** This project is located on NH 114 approximately 0.5 miles north of NH 101 and is also partially underneath the bridge that carries Old Bedford Road over NH 114. The existing bridge carries NH Route 114 over Bowman Brook, it is a 90" diameter corrugated metal pipe which is 225' long, skewed 45 degrees to the roadway and was built in 1964. The bridge is in serious condition and has been on the State's Red List since 2009, it is currently #18 on the R & R Bridge Priority list. Weight limit posting is not required at this time. This project consists of rehabilitating the 90" cmp. The proposed construction will remove approximately 15' of pipe from each end; headwalls, wingwalls and scour protection will be constructed at the inlet and outlet; and the remaining pipe will be rehabilitated with a centrifugally cast concrete liner. This project will remove the bridge from the State's Red List.

**FEDERAL FUNDING:** **Bridg-T1-2-Rehab-Rnc** 80% Federal with anticipated utilization of Turnpike Toll Credits as the State's 20% match.

**CONTINGENCY:** The contingency amount is proposed to be 10% of the contract amount to account for payment for latent conditions which may appear during construction of the project.

**PROJECT INITIATED:** State's Ten-Year Transportation Improvement Plan

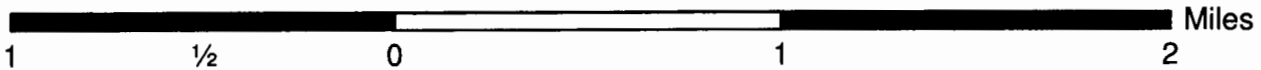
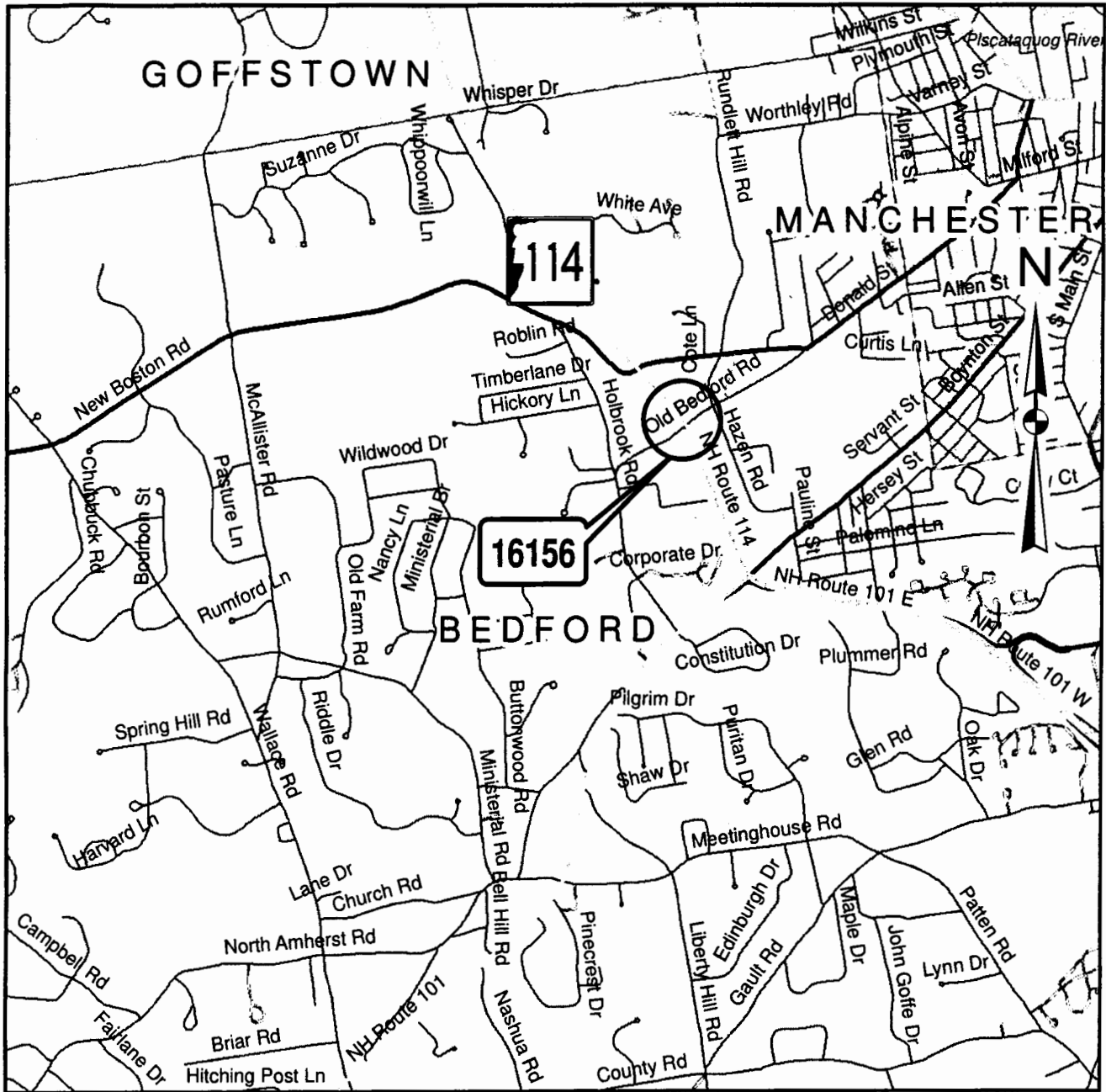
**PROJECT EXPLANATION:** The existing 90" CMP, built in 1964, is on the State's Red List, has a condition rating of 3 (serious), and is number 18 on the State's R & R Bridge Priority List.

**TRAFFIC IMPLICATION:** Two construction access points will be required. NH Route 114 northbound shoulder will be barricaded approximately 310' from the bridge, and the southbound shoulder will be barricaded approximately 230'. Lane widths with the barrier in place will be approximately 14' measured to the base of the barrier. Equipment for relining of the pipe may also be located on NH 114 in the shoulder area, behind barrier, for several days and removed overnight. Setting and removal of barrier may require nighttime work utilizing uniformed officers with vehicles.

**INTERMEDIATE COMPLETION DATE:** August 31, 2018  
All work within the water of Bowman Brook shall be complete.

**FINAL COMPLETION DATE:** October 26, 2018

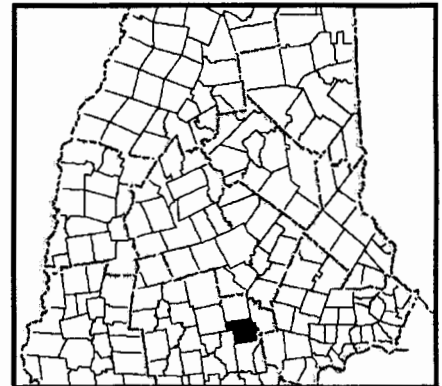
# BEDFORD - NH ROUTE 114



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

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

State # 16156  
 Federal # X-A001 (160)  
**LOCATION MAP**





# ABC Bid Data

BEDFORD  
16156  
X-A001(160)

**PROJECT:** BEDFORD  
**STATE PROJECT NUMBER:** 16156  
**FED. PROJECT NUMBER:** X-A001(160)  
**DATE BIDS OPEN:** October 19, 2017, 2:00  
**SCOPE OF WORK:** Culvert Slipline/Rehab for Redlist Bridge carrying NH 114 over Bowman Brook (Br No 151/151)  
**COMPLETION DATE:** October 26, 2018  
**LOCATION:** Hillsborough

**Awarded To:** BUSBY CONSTRUCTION CO.,  
INC.  
71 ROUTE 111  
ATKINSON, NH 03811  
**Amount:** \$865,568.00  
**Certified by:** PETER E. STAMINAS  
Director of Project Development

## Summary of Bidders

Contractor	Bid Amount	Rank
BUSBY CONSTRUCTION CO., INC. 71 ROUTE 111, ATKINSON NH 03811	\$865,568.00	A

Item No.	Description	Unit	Quantity	PS&E		BUSBY CONSTRUCTION CO., INC. 1000 W. MAIN ST. ATRIUM, NH 03811		Total	Unit Price	Total
				Unit Price	Total	Unit Price	Total			

**Items**

201.1	CLEARING AND GRUBBING (F)	A	.10	\$25,000.00	\$2,500.00	\$60,000.00	\$6,000.00			
201.881	INVASIVE SPECIES CONTROL TYPE I	SY	350.00	\$5.00	\$1,750.00	\$10.00	\$3,500.00			
202.41	REMOVAL OF EXISTING PIPE 0-24" DIAMETER	LF	40.00	\$15.00	\$600.00	\$16.00	\$640.00			
202.42	REMOVAL OF EXISTING PIPE OVER 24" DIAMETER	LF	30.00	\$120.00	\$3,600.00	\$21.00	\$630.00			
202.7	REMOVAL OF GUARDRAIL	LF	390.00	\$3.00	\$1,170.00	\$2.50	\$975.00			
203.11	COMMON EXCAVATION - LRS	CY	410.00	\$15.00	\$6,150.00	\$18.50	\$7,585.00			
203.55543	GUARDRAIL EAGRT OFFSET PLATFORM, TL 3	U	1.00	\$1,100.00	\$1,100.00	\$1,000.00	\$1,000.00			
203.601	EMBANKMENT-IN-PLACE	CY	20.00	\$15.00	\$300.00	\$15.00	\$300.00			
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	70.00	\$60.00	\$4,200.00	\$50.00	\$3,500.00			
207.3	UNCLASSIFIED CHANNEL EXCAVATION	CY	370.00	\$100.00	\$37,000.00	\$40.00	\$14,800.00			
209.201	GRANULAR BACKFILL (BRIDGE) (F)	CY	380.00	\$35.00	\$13,300.00	\$36.00	\$13,680.00			
304.32	CRUSHED GRAVEL FOR SHOULDER LEVELING	TON	25.00	\$100.00	\$2,500.00	\$26.00	\$650.00			
500.0201	ACCESS FOR BRIDGE CONSTRUCTION	U	1.00	\$3,500.00	\$3,500.00	\$12,000.00	\$12,000.00			
500.0202	ACCESS FOR BRIDGE CONSTRUCTION	U	1.00	\$2,500.00	\$2,500.00	\$14,000.00	\$14,000.00			
503.101	WATER DIVERSION STRUCTURE	U	1.00	\$43,000.00	\$43,000.00	\$50,000.00	\$50,000.00			
503.201	COFFERDAMS	U	1.00	\$10,000.00	\$10,000.00	\$32,000.00	\$32,000.00			
503.202	COFFERDAMS	U	1.00	\$10,000.00	\$10,000.00	\$34,000.00	\$34,000.00			
504.1	COMMON BRIDGE EXCAVATION (F)	CY	366.00	\$50.00	\$18,300.00	\$32.00	\$11,712.00			
504.2	ROCK BRIDGE EXCAVATION	CY	273.00	\$100.00	\$27,300.00	\$250.00	\$68,250.00			
508.	STRUCTURAL FILL	CY	105.00	\$60.00	\$6,300.00	\$37.00	\$3,885.00			
520.12	CONCRETE CLASS A, ABOVE FOOTINGS (F)	CY	38.00	\$700.00	\$26,600.00	\$1,300.00	\$49,400.00			
520.213	CONCRETE CLASS B, FOOTINGS (ON SOIL) (F)	CY	66.00	\$600.00	\$39,600.00	\$475.00	\$31,350.00			
520.32	GROUTING VOIDS IN BACKFILL MATERIAL	CY	10.00	\$250.00	\$2,500.00	\$160.00	\$1,600.00			
534.3	WATER REPELLENT (SILANE/SILOXANE)	GAL	5.00	\$100.00	\$500.00	\$95.00	\$475.00			
538.2	BARrier MEMBRANE, PEEL AND STICK - VERTICAL SURFACES (F)	SY	10.00	\$50.00	\$500.00	\$100.00	\$1,000.00			
541.4	PVC WATERSTOPS, NH TYPE 4 (F)	LF	44.00	\$15.00	\$660.00	\$13.50	\$594.00			
544.	REINFORCING STEEL (F)	LB	14,567.00	\$1.50	\$21,850.50	\$1.50	\$21,850.50			
562.1	SILICONE JOINT SEALANT (F)	LF	53.00	\$20.00	\$1,060.00	\$17.00	\$901.00			
583.5	RIPRAP, CLASS V	CY	210.00	\$215.00	\$45,150.00	\$49.50	\$10,395.00			
585.3401	SIMULATED STREAMBED MATERIAL	CY	35.00	\$215.00	\$7,525.00	\$60.00	\$2,100.00			

Item No.	Description	Unit	Quantity	PS&E			BUSBY CONSTRUCTION CO., INC. 71 ROUTE 111 ATKINSON, NH 03811		
				Unit Price	Total	Unit Price	Total	Unit Price	Total
593.411	GEOTEXTILE; PERM CONTROL CL.1, NON-WOVEN	SY	350.00	\$10.00	\$3,500.00	\$3.00	\$1,050.00		
602.40090	CENTRIFUGALLY CAST LINER FOR 90° CMP	LF	210.00	\$630.00	\$132,300.00	\$850.00	\$178,500.00		
603.00215	15" R.C. PIPE, 2000D	LF	32.00	\$100.00	\$3,200.00	\$54.00	\$1,728.00		
603.33212	12" CORR. POLYETHYLENE END SECTION	EA	1.00	\$350.00	\$350.00	\$165.00	\$165.00		
603.99012	12" TEMPORARY DRAINAGE PIPE	LF	70.00	\$50.00	\$3,500.00	\$30.00	\$2,100.00		
606.012	W6X9 STEEL POST REPLACEMENTS FOR BEAM GUARDRAIL POSTS	EA	15.00	\$60.00	\$900.00	\$73.00	\$1,095.00		
606.0122	W6X9 STEEL POST ASSEMBLIES FOR BEAM GUARDRAIL POSTS	EA	15.00	\$15.00	\$225.00	\$17.00	\$255.00		
606.1254	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 3) (STEEL POST)	U	1.00	\$2,200.00	\$2,200.00	\$2,800.00	\$2,800.00		
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	350.00	\$20.00	\$7,000.00	\$21.00	\$7,350.00		
606.34202	SINGLE FACED ASYMMETRICAL TRANSITION RAIL, RIGHT (STEEL POST)	U	2.00	\$825.00	\$1,650.00	\$950.00	\$1,900.00		
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	400.00	\$45.00	\$18,000.00	\$19.50	\$7,800.00		
606.91	RESETTING OR SETTING GUARDRAIL	LF	25.00	\$15.00	\$375.00	\$13.50	\$337.50		
606.9513	TEMP. IMPACT ATTENUATION DEVICE (REDIRECTIVE), TEST LEVEL 3	U	4.00	\$4,500.00	\$18,000.00	\$5,500.00	\$22,000.00		
615.034	RELOCATING TRAFFIC SIGN, TYPE C	U	1.00	\$200.00	\$200.00	\$200.00	\$200.00		
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	15,000.00	\$1.00	\$15,000.00	\$1.00	\$15,000.00		
618.7	FLAGGERS	HR	250.00	\$25.00	\$6,250.00	\$30.00	\$7,500.00		
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$10,000.00	\$10,000.00	\$19,000.00	\$19,000.00		
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	2.00	\$5,000.00	\$10,000.00	\$2,100.00	\$4,200.00		
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	6.00	\$5.00	\$30.00	\$5.50	\$33.00		
621.31	SINGLE DELINEATOR WITH POST	EA	4.00	\$40.00	\$160.00	\$45.00	\$180.00		
621.32	DOUBLE DELINEATOR WITH POST	EA	1.00	\$40.00	\$40.00	\$50.00	\$50.00		
622.1	STEEL WITNESS MARKERS	EA	2.00	\$28.00	\$56.00	\$35.00	\$70.00		
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	2,300.00	\$0.50	\$1,150.00	\$0.85	\$1,955.00		
643.22	FERTILIZER FOR REFERTILIZATION	TON	.30	\$850.00	\$255.00	\$1,065.00	\$319.50		
645.3	EROSION STONE	TON	350.00	\$25.00	\$8,750.00	\$28.00	\$9,800.00		
645.44	TEMPORARY SLOPE STABILIZATION TYPE D (WILDLIFE FRIENDLY)	SY	2,450.00	\$2.00	\$4,900.00	\$1.75	\$4,287.50		
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	1,100.00	\$5.00	\$5,500.00	\$4.75	\$5,225.00		
645.52	RYEGRASS FOR TEMPORARY EROSION CONTROL	LB	50.00	\$2.25	\$112.50	\$4.50	\$225.00		
645.531	SILT FENCE	LF	1,100.00	\$5.00	\$5,500.00	\$2.85	\$3,135.00		
645.7	STORM WATER POLLUTION PREVENTION PLAN	U	1.00	\$6,500.00	\$6,500.00	\$2,885.00	\$2,885.00		
645.71	MONITORING SWPPP AND EROSION AND SEDIMENT CONTROLS	HR	90.00	\$75.00	\$6,750.00	\$65.00	\$5,850.00		

Item No.	Description	Unit	Quantity	PS&E		BUSBY CONSTRUCTION CO., INC. 71 ROUTE 111 ATKINSON, NH 03811	
				Unit Price	Total	Unit Price	Total
646.4	TURF ESTABLISHMENT WITH MULCH, TACKIFIERS AND HUMUS	A	.60	\$12,000.00	\$7,200.00	\$12,000.00	\$7,200.00
670.104	TEMPORARY PORTABLE LIGHTING	U	2.00	\$3,500.00	\$7,000.00	\$3,000.00	\$6,000.00
692.	MOBILIZATION	U	1.00	\$68,000.00	\$68,000.00	\$100,000.00	\$100,000.00
697.11	INVASIVE SPECIES CONTROL AND MANAGEMENT PLAN	U	1.00	\$3,000.00	\$3,000.00	\$1,700.00	\$1,700.00
697.31	PROJECT OPERATIONS PLAN	U	1.00	\$5,000.00	\$5,000.00	\$3,900.00	\$3,900.00
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	25,000.00	\$1.00	\$25,000.00	\$1.00	\$25,000.00
1002.1	REPAIRS OR REPLACEMENTS AS NEEDED - BRIDGE STRUCTURES	\$	6,000.00	\$1.00	\$6,000.00	\$1.00	\$6,000.00
1010.15	FUEL ADJUSTMENT	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00
<b>Totals:</b>					<b>\$744,568.00</b>		<b>\$865,568.00</b>
<b>All Totals:</b>							
<b>Totals:</b>					<b>\$744,568.00</b>		<b>\$865,568.00</b>



# PS&E Comparison

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
201.1	CLEARING AND GRUBBING (F)	A	.10	\$60,000.00	\$6,000.00	\$25,000.00	\$2,500.00	\$3,500.00
201.881	INVASIVE SPECIES CONTROL TYPE I	SY	350.00	\$10.00	\$3,500.00	\$5.00	\$1,750.00	\$1,750.00
202.41	REMOVAL OF EXISTING PIPE 0-24" DIAMETER	LF	40.00	\$16.00	\$640.00	\$15.00	\$600.00	\$40.00
202.42	REMOVAL OF EXISTING PIPE OVER 24" DIAMETER	LF	30.00	\$21.00	\$630.00	\$120.00	\$3,600.00	(\$2,970.00)
202.7	REMOVAL OF GUARDRAIL	LF	390.00	\$2.50	\$975.00	\$3.00	\$1,170.00	(\$195.00)
203.11	COMMON EXCAVATION - LRS	CY	410.00	\$18.50	\$7,585.00	\$15.00	\$6,150.00	\$1,435.00
203.55543	GUARDRAIL EAGRT OFFSET PLATFORM, TL 3	U	1.00	\$1,000.00	\$1,000.00	\$1,100.00	\$1,100.00	(\$100.00)
203.601	EMBANKMENT-IN-PLACE	CY	20.00	\$15.00	\$300.00	\$15.00	\$300.00	\$0.00
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	70.00	\$50.00	\$3,500.00	\$60.00	\$4,200.00	(\$700.00)
207.3	UNCLASSIFIED CHANNEL EXCAVATION	CY	370.00	\$40.00	\$14,800.00	\$100.00	\$37,000.00	(\$22,200.00)
209.201	GRANULAR BACKFILL (BRIDGE) (F)	CY	380.00	\$36.00	\$13,680.00	\$35.00	\$13,300.00	\$380.00
304.32	CRUSHED GRAVEL FOR SHOULDER LEVELING	TON	25.00	\$26.00	\$650.00	\$100.00	\$2,500.00	(\$1,850.00)
500.0201	ACCESS FOR BRIDGE CONSTRUCTION	U	1.00	\$12,000.00	\$12,000.00	\$3,500.00	\$3,500.00	\$8,500.00
500.0202	ACCESS FOR BRIDGE CONSTRUCTION	U	1.00	\$14,000.00	\$14,000.00	\$2,500.00	\$2,500.00	\$11,500.00
503.101	WATER DIVERSION STRUCTURE	U	1.00	\$50,000.00	\$50,000.00	\$43,000.00	\$43,000.00	\$7,000.00

503.201	COFFERDAMS	U	1.00	\$32,000.00	\$32,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$22,000.00
503.202	COFFERDAMS	U	1.00	\$34,000.00	\$34,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$24,000.00
504.1	COMMON BRIDGE EXCAVATION (F)	CY	366.00	\$32.00	\$11,712.00	\$50.00	\$18,300.00	\$18,300.00	(\$6,588.00)
504.2	ROCK BRIDGE EXCAVATION	CY	273.00	\$250.00	\$68,250.00	\$100.00	\$27,300.00	\$27,300.00	\$40,950.00
508.	STRUCTURAL FILL	CY	105.00	\$37.00	\$3,885.00	\$60.00	\$6,300.00	\$6,300.00	(\$2,415.00)
520.12	CONCRETE CLASS A, ABOVE FOOTINGS (F)	CY	38.00	\$1,300.00	\$49,400.00	\$700.00	\$26,600.00	\$26,600.00	\$22,800.00
520.213	CONCRETE CLASS B, FOOTINGS (ON SOIL) (F)	CY	66.00	\$475.00	\$31,350.00	\$600.00	\$39,600.00	\$39,600.00	(\$8,250.00)
520.32	GROUTING VOIDS IN BACKFILL MATERIAL	CY	10.00	\$160.00	\$1,600.00	\$250.00	\$2,500.00	\$2,500.00	(\$900.00)
534.3	WATER REPELLENT (SILANE/SILOXANE)	GAL	5.00	\$95.00	\$475.00	\$100.00	\$500.00	\$500.00	(\$25.00)
538.2	BARRIER MEMBRANE, PEEL AND STICK - VERTICAL SURFACES (F)	SY	10.00	\$100.00	\$1,000.00	\$50.00	\$500.00	\$500.00	\$500.00
541.4	PVC WATERSTOPS, NH TYPE 4 (F)	LF	44.00	\$13.50	\$594.00	\$15.00	\$660.00	\$660.00	(\$66.00)
544.	REINFORCING STEEL (F)	LB	14,567.00	\$1.50	\$21,850.50	\$1.50	\$21,850.50	\$21,850.50	\$0.00
562.1	SILICONE JOINT SEALANT (F)	LF	53.00	\$17.00	\$901.00	\$20.00	\$1,060.00	\$1,060.00	(\$159.00)
583.5	RIPRAP, CLASS V	CY	210.00	\$49.50	\$10,395.00	\$215.00	\$45,150.00	\$45,150.00	(\$34,755.00)
585.3401	SIMULATED STREAMBED MATERIAL	CY	35.00	\$60.00	\$2,100.00	\$215.00	\$7,525.00	\$7,525.00	(\$5,425.00)
593.411	GEOTEXTILE; PERM CONTROL CL.1, NON-WOVEN	SY	350.00	\$3.00	\$1,050.00	\$10.00	\$3,500.00	\$3,500.00	(\$2,450.00)
602.40090	CENTRIFUGALLY CAST LINER FOR 90" CMP	LF	210.00	\$850.00	\$178,500.00	\$630.00	\$132,300.00	\$132,300.00	\$46,200.00
603.00215	15" R.C. PIPE, 2000D	LF	32.00	\$54.00	\$1,728.00	\$100.00	\$3,200.00	\$3,200.00	(\$1,472.00)
603.33212	12" CORR. POLYETHYLENE END SECTION	EA	1.00	\$165.00	\$165.00	\$350.00	\$350.00	\$350.00	(\$185.00)
603.99012	12" TEMPORARY DRAINAGE PIPE	LF	70.00	\$30.00	\$2,100.00	\$50.00	\$3,500.00	\$3,500.00	(\$1,400.00)
606.012	W6X9 STEEL POST REPLACEMENTS FOR BEAM GUARDRAIL POSTS	EA	15.00	\$73.00	\$1,095.00	\$60.00	\$900.00	\$900.00	\$195.00
606.0122	W6X9 STEEL POST ASSEMBLIES FOR BEAM GUARDRAIL POSTS	EA	15.00	\$17.00	\$255.00	\$15.00	\$225.00	\$225.00	\$30.00

606.1254	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 3) (STEEL POST)	U	1.00	\$2,800.00	\$2,800.00	\$2,200.00	\$2,200.00	\$2,200.00	\$600.00
606.18001	31"W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	350.00	\$21.00	\$7,350.00	\$20.00	\$7,000.00	\$7,000.00	\$350.00
606.34202	SINGLE FACED ASYMMETRICAL TRANSITION RAIL, RIGHT (STEEL POST)	U	2.00	\$950.00	\$1,900.00	\$825.00	\$1,650.00	\$1,650.00	\$250.00
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	400.00	\$19.50	\$7,800.00	\$45.00	\$18,000.00	\$18,000.00	(\$10,200.00)
606.91	RESETTING OR SETTING GUARDRAIL	LF	25.00	\$13.50	\$337.50	\$15.00	\$375.00	\$375.00	(\$37.50)
606.9513	TEMP. IMPACT ATTENUATION DEVICE (REDIRECTIVE), TEST LEVEL 3	U	4.00	\$5,500.00	\$22,000.00	\$4,500.00	\$18,000.00	\$18,000.00	\$4,000.00
615.034	RELOCATING TRAFFIC SIGN, TYPE C	U	1.00	\$200.00	\$200.00	\$200.00	\$200.00	\$200.00	\$0.00
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	15,000.00	\$1.00	\$15,000.00	\$1.00	\$15,000.00	\$15,000.00	\$0.00
618.7	FLAGGERS	HR	250.00	\$30.00	\$7,500.00	\$25.00	\$6,250.00	\$6,250.00	\$1,250.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$19,000.00	\$19,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$9,000.00
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	2.00	\$2,100.00	\$4,200.00	\$5,000.00	\$10,000.00	\$10,000.00	(\$5,800.00)
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	6.00	\$5.50	\$33.00	\$5.00	\$30.00	\$30.00	\$3.00
621.31	SINGLE DELINEATOR WITH POST	EA	4.00	\$45.00	\$180.00	\$40.00	\$160.00	\$160.00	\$20.00
621.32	DOUBLE DELINEATOR WITH POST	EA	1.00	\$50.00	\$50.00	\$40.00	\$40.00	\$40.00	\$10.00
622.1	STEEL WITNESS MARKERS	EA	2.00	\$35.00	\$70.00	\$28.00	\$56.00	\$56.00	\$14.00
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	2,300.00	\$0.85	\$1,955.00	\$0.50	\$1,150.00	\$1,150.00	\$805.00
643.22	FERTILIZER FOR REFERTILIZATION	TON	.30	\$1,065.00	\$319.50	\$850.00	\$255.00	\$255.00	\$64.50
645.3	EROSION STONE	TON	350.00	\$28.00	\$9,800.00	\$25.00	\$8,750.00	\$8,750.00	\$1,050.00
645.44	TEMPORARY SLOPE STABILIZATION TYPE D (WILDLIFE FRIENDLY)	SY	2,450.00	\$1.75	\$4,287.50	\$2.00	\$4,900.00	\$4,900.00	(\$612.50)
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	1,100.00	\$4.75	\$5,225.00	\$5.00	\$5,500.00	\$5,500.00	(\$275.00)
645.52	RYEGRASS FOR TEMPORARY EROSION CONTROL	LB	50.00	\$4.50	\$225.00	\$2.25	\$112.50	\$112.50	\$112.50
645.531	SILT FENCE	LF	1,100.00	\$2.85	\$3,135.00	\$5.00	\$5,500.00	\$5,500.00	(\$2,365.00)

645.7	STORM WATER POLLUTION PREVENTION PLAN	U	1.00	\$2,885.00	\$2,885.00	\$6,500.00	\$6,500.00	(\$3,615.00)
645.71	MONITORING SWPPP AND EROSION AND SEDIMENT CONTROLS	HR	90.00	\$65.00	\$5,850.00	\$75.00	\$6,750.00	(\$900.00)
646.4	TURF ESTABLISHMENT WITH MULCH, TACKIFIERS AND HUMUS	A	.60	\$12,000.00	\$7,200.00	\$12,000.00	\$7,200.00	\$0.00
670.104	TEMPORARY PORTABLE LIGHTING	U	2.00	\$3,000.00	\$6,000.00	\$3,500.00	\$7,000.00	(\$1,000.00)
692.	MOBILIZATION	U	1.00	\$100,000.00	\$100,000.00	\$68,000.00	\$68,000.00	\$32,000.00
697.11	INVASIVE SPECIES CONTROL AND MANAGEMENT PLAN	U	1.00	\$1,700.00	\$1,700.00	\$3,000.00	\$3,000.00	(\$1,300.00)
697.31	PROJECT OPERATIONS PLAN	U	1.00	\$3,900.00	\$3,900.00	\$5,000.00	\$5,000.00	(\$1,100.00)
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	25,000.00	\$1.00	\$25,000.00	\$1.00	\$25,000.00	\$0.00
1002.1	REPAIRS OR REPLACEMENTS AS NEEDED - BRIDGE STRUCTURES	\$	6,000.00	\$1.00	\$6,000.00	\$1.00	\$6,000.00	\$0.00
1010.15	FUEL ADJUSTMENT	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00	\$0.00

**Total:** \$865,568.00 \$744,569.00 \$120,999.00



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
11/8/2017

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).

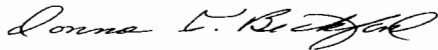
<b>PRODUCER</b> THE ROWLEY AGENCY INC. 45 Constitution Avenue P.O. Box 511 Concord NH 03302-0511	<b>CONTACT NAME:</b> Donna Bickford <b>PHONE (A/C, No. Ext):</b> (603) 224-2562 <b>E-MAIL ADDRESS:</b> dbickford@rowleyagency.com	<b>FAX (A/C, No):</b> (603) 224-8012
	<b>INSURER(S) AFFORDING COVERAGE</b>	
<b>INSURED</b> Busby Construction Co., Inc. 71 Route 111 Atkinson NH 03811	<b>INSURER A:</b> Firemen's Ins Co of Wash. DC <b>NAIC #</b> 21784	
	<b>INSURER B:</b> Acadia Insurance Company <b>31325</b>	
	<b>INSURER C:</b> Charter Oak Fire Ins Co <b>25615</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 WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> <b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC OTHER:			CPA150089426	6/7/2017	6/7/2018	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 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	<b>AUTOMOBILE LIABILITY</b> <input checked="" type="checkbox"/> ANY AUTO ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/>			CAA150089526	6/7/2017	6/7/2018	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
B	<input checked="" type="checkbox"/> <b>UMBRELLA LIAB</b> <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 0			CUA150089626	6/7/2017	6/7/2018	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000 \$
A	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	WPA150089727 3A STATES: NH MA NO EXCLUDED OFFICERS	6/7/2017	6/7/2018	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
C	<b>LEASED/RENTED EQUIPMENT-ACV</b>			QT6602H552036COF17	6/7/2017	6/7/2018	LIMIT: \$1,200,000 DEDUCTIBLE: \$1,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)  
 Re: Bedford X-A001(160) 16156- Culvert Slipline/ Rehab for Redlist Bridge carrying NH 114 over Bowman Brook (Br No. 151/151)  
 The State of NH Dept. of Transportation is included as an additional insured on all liability policies except workers comp when required by written contract with the named insured.

<b>CERTIFICATE HOLDER</b>  State of NH, Dept. of Transportation PO Box 483 Concord, NH 03302-0483	<b>CANCELLATION</b>  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 Donna Bickford/DTB 
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# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

11/8/2017

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<b>PRODUCER</b> THE ROWLEY AGENCY INC. 45 Constitution Avenue P.O. Box 511 Concord NH 03302-0511	<b>CONTACT NAME:</b> Donna Bickford <b>PHONE (A/C, No, Ext):</b> (603) 224-2562 <b>FAX (A/C, No):</b> (603) 224-8012 <b>E-MAIL ADDRESS:</b> dbickford@rowleyagency.com	
	<b>INSURER(S) AFFORDING COVERAGE</b> INSURER A: Acadia Insurance Company INSURER B: INSURER C: INSURER D: INSURER E: INSURER F:	<b>NAIC #</b> 31325
<b>INSURED</b> State of NH Dept of Transportation c/o Busby Construction Co., Inc. 71 Route 111 Atkinson NH 03811		

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

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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"/> Owners & Contractors			OCP5328382	12/20/2017	04/20/2019	EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ 3,000,000 PRODUCTS - COMP/OP AGG \$ OTHER: \$
	GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:						
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED    RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$ \$
	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)  
 Re: Bedford #16156, Culvert Slipline/ Rehab for Redlist Bridge carrying NH 114 over Bowman Brook (Br No 151/151)

<b>CERTIFICATE HOLDER</b> State of NH-Dept. of Transportation PO Box 483 Concord, NH 03302-0483	<b>CANCELLATION</b> 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 Donna Bickford/DTB <i>Donna L. Bickford</i>
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