



THE STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION



Victoria F. Sheehan
Commissioner

William Cass, P.E.
Assistant Commissioner

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

Bureau of Construction
October 22, 2018

REQUESTED ACTION

1. Authorize the Department of Transportation to enter into a contract with E.D. Swett, Inc. (Vendor 154176) of Concord, NH on the basis of a low bid of \$897,858.90 for NH 28 bridge preservation efforts for two bridges carrying NH 28 over the Suncook River and Beauty Hill Road in Hooksett, from the date of Governor and Council approval through October 4, 2019 unless extended by the Department in accordance with the Standard Specifications. 100% Federal Funds.

Funding is available in State Fiscal Year 2019 and is contingent upon the availability and continued appropriation of funds in Fiscal Year 2020 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 2019</u>	<u>FY 2020</u>
04-96-963515-3054		
Consolidated Federal Aid		
400-500870 Highway Contract Payments	\$300,000.00	\$597,858.90

2. Further authorize that a contingency in the amount of \$89,785.89 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 2019</u>	<u>FY 2020</u>
04-96-963515-3054		
Consolidated Federal Aid		
400-500870 Highway Contract Payments		\$89,785.89

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 consists of bridge preservation work on Br. No. 097/089, NH 28 over Beauty Hill Road and Br. No. 131/108, NH 28 over Suncook River in the Town of Barnstead. The work limits on NH 28 over Beauty Hill Road begin approximately 390 feet west of the bridge, continue approximately 850 feet east, and end approximately 400 feet east of the bridge. The work limits on NH 28 over Suncook River begin approximately 400 feet south of the bridge, continue approximately 850 feet north, and end approximately 390 feet north of the bridge. The scope of work includes replacement of the bridge deck pavement and membrane, partial and full depth deck repair, replacement of joints, and installation of protective screening over Beauty Hill Road.

Br. No. 097/089 was built in 1969 and has not been addressed by a preservation contract except for concrete armoring of the north joint and 1" inlay in April, 1994. The current condition rating of this bridge is 7 (Deck, good), 7 (Superstructure, good), and 7 (Substructure, good). Br. No. 131/108 was built in 1957 and has not been addressed by a preservation contract except for rail replacement and 1" inlay in April, 1994. The current condition rating of this bridge is 5 (Deck, fair), 7 (Superstructure, good), and 6 (Substructure, satisfactory). The concrete decks are showing signs of deterioration. This preservation project will address and fix this to extend the life of these structures and keep them off the State's Red List.

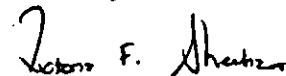
The contingency amount is proposed to be 10%. The work includes partial and full depth deck repairs. The extent of this work has been estimated, but the full extent of the work won't be fully known until the existing asphalt and membrane are removed from the bridge. These factors increase the risk of overruns.

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: \$916,273.00
Contract Amount: \$897,858.90
Under Estimate: \$ 18,414.10
Attachments

August 20, 2018

SUPPLEMENTAL PROJECT INFORMATION SHEET

DESCRIPTION: This project consists of bridge preservation work on Br. No. 097/089, NH 28 over Beauty Hill Road and Br. No. 131/108, NH 28 over Suncook River in the Town of Barnstead. The work limits on NH 28 over Beauty Hill Road begin approximately 390 feet west of the bridge, continue approximately 850 feet east, and end approximately 400 feet east of the bridge. The work limits on NH 28 over Suncook River begin approximately 400 feet south of the bridge, continue approximately 850 feet north, and end approximately 390 feet north of the bridge. The scope of work includes replacement of the bridge deck pavement and membrane, partial and full depth deck repair, replacement of joints, and installation of protective screening over Beauty Hill Road.

FEDERAL FUNDING: 80% (Bridge – Tier 1 & Tier 2 – Maintenance & Preservation (Bridge-T1/2-M&P) utilizing Turnpike Toll credits as the State's 20% match

CONTINGENCY: The contingency amount is proposed to be 10%. This work preserves two bridges built in 1969 and 1957, which have not received any preservation activities except for concrete armoring of the north joint and 1" inlay for Br. No. 097/089, and rail replacement and 1" inlay for Br. No. 131/108, both in April, 1994. The work includes partial and full depth deck repairs. The extent of this work has been estimated, but the full extent of the work won't be fully known until the existing asphalt and membrane are removed from the bridge. These factors increase the risk of overruns.

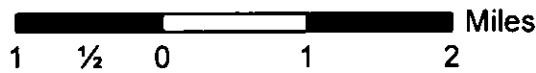
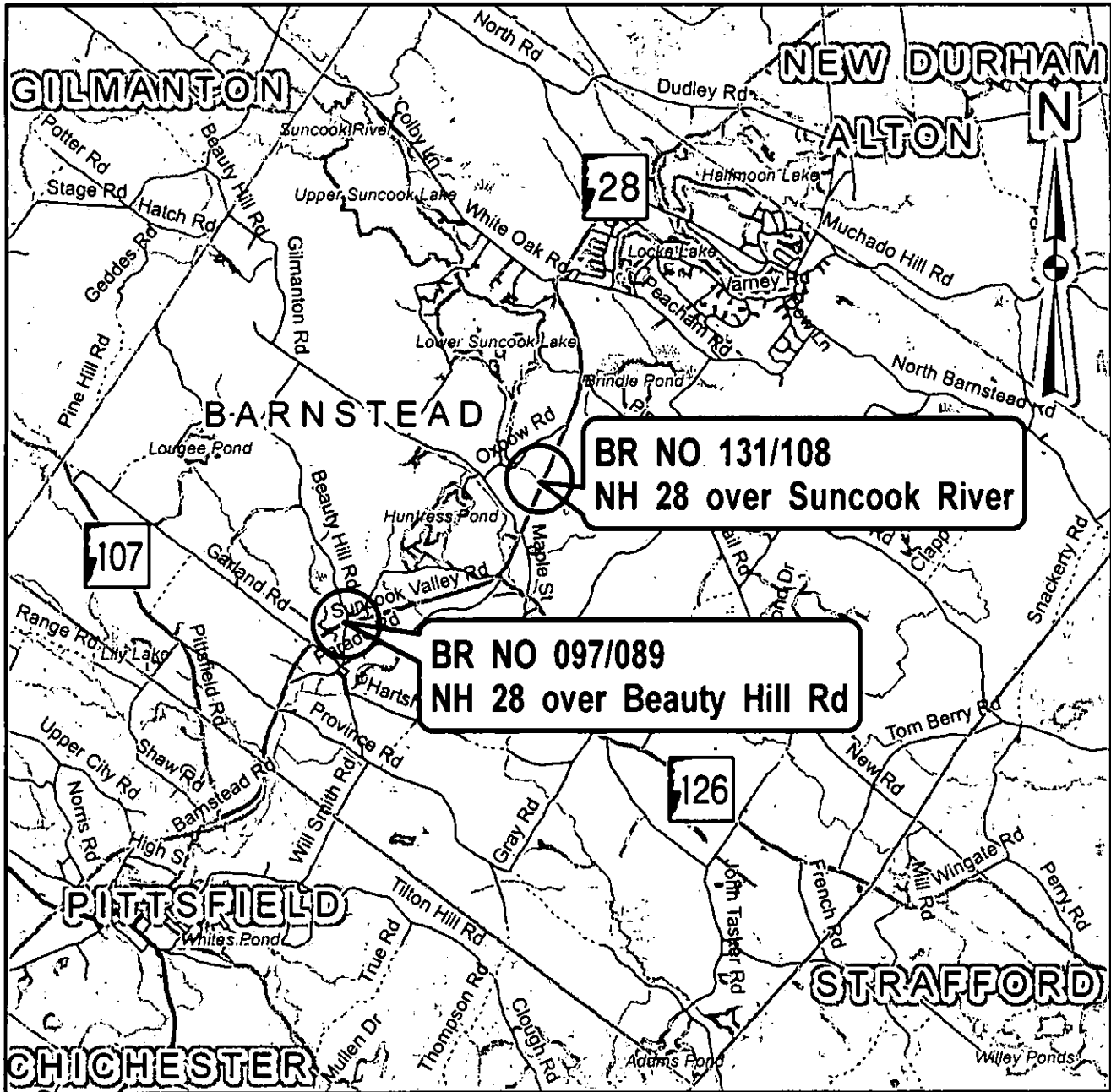
PROJECT INITIATED: 2018 Bridge Tier 1&2 Maintenance & Preservation (M&P) Priority List

PROJECT EXPLANATION: Br. No. 097/089 was built in 1969 and has not been addressed by a preservation contract except for concrete armoring of the north joint and 1" inlay in April, 1994. The current condition rating of this bridge is 7 (Deck, good), 7 (Superstructure, good), and 7 (Substructure, good). Br. No. 131/108 was built in 1957 and has not been addressed by a preservation contract except for rail replacement and 1" inlay in April, 1994. The current condition rating of this bridge is 5 (Deck, fair), 7 (Superstructure, good), and 6 (Substructure, satisfactory). The concrete decks are showing signs of deterioration. This preservation project will address and fix this to extend the life of these structures and keep them off the State's Red List.

TRAFFIC IMPLICATION: Beginning in the spring of 2019, the road width for Br. No. 097/089 will be reduced to 24'-0" for two phases and two separate 12'-0" lanes in a third phase, requiring a wide load restriction, and the road width for Br. No. 131/108 will be reduced to 23'-0" for two phases and two separate 11'-6" lanes in a third phase, requiring a wide load restriction.

FINAL COMPLETION DATE: October 4, 2019

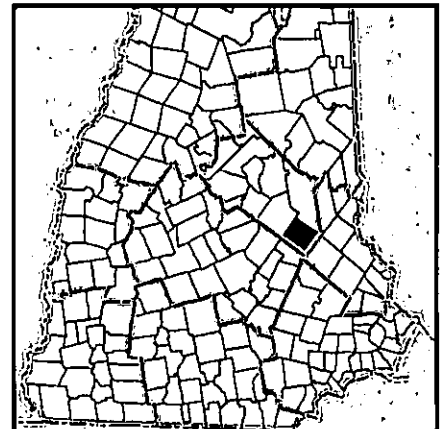
BARNSTEAD - NH ROUTE 28



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

New Hampshire
DOT
 Department of Transportation

State #: 41301
 Federal #: X-A004(591)
LOCATION MAP





ABC Bid Data

BARNSTEAD
41301
X-A004(591)

PROJECT: BARNSTEAD
STATE PROJECT NUMBER: 41301
FED. PROJECT NUMBER: X-A004(591)
DATE BIDS OPEN: October 11, 2018, 2:00
SCOPE OF WORK: NH 28 Bridge Preservation efforts for 2 bns carrying NH 28 over the Suncook River & Beauty Hill Rd
COMPLETION DATE: October 04, 2019
LOCATION: Belknap

Awarded To: SWETT, E. D. INC.
8 INDUSTRIAL PARK DR
CONCORD, NH 03301-8512

Amount: \$897,858.90
Award Date:

Certified by: PETER E. STAMNAS
Director of Project Development

Summary of Bidders

Contractor	Bid Amount	Rank
SWETT, E. D. INC. 8 INDUSTRIAL PARK DR CONCORD NH 03301-8512	\$897,858.90	A
EVROKS CORPORATION 23 INDUSTRIAL DRIVE, NORTHFIELD NH 03276	\$959,475.25	B
PIPER, R. M. INC. 141 SMITH BRIDGE RD PO BOX 490 PLYMOUTH NH 03264-0490	\$1,084,811.00	C

Item No.	Description	Unit	Quantity	PS&E		SWETT, E. D. INC. 8 INDUSTRIAL PARK DR CONCORD, NH 03301-8512		EVROKS CORPORATION 23 INDUSTRIAL DRIVE NORTHFIELD, NH 03278	
				Unit Price	Total	Unit Price	Total	Unit Price	Total

Items

304.301	CRUSHED GRAVEL	CY	28.00	\$50.00	\$1,300.00	\$100.00	\$2,600.00	\$115.00	\$2,990.00
403.11	HOT BITUMINOUS PAVEMENT, MACHINE METHOD	TON	1,641.00	\$85.00	\$130,985.00	\$72.00	\$110,952.00	\$75.00	\$115,575.00
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	9.80	\$150.00	\$1,470.00	\$300.00	\$2,940.00	\$500.00	\$4,900.00
403.6	PAVEMENT JOINT ADHESIVE	LF	12,220.00	\$0.40	\$4,888.00	\$0.30	\$3,666.00	\$0.30	\$3,666.00
403.61	PAVEMENT JOINT ADHESIVE (BRIDGE BASE)	LF	695.00	\$5.00	\$3,475.00	\$1.00	\$695.00	\$1.00	\$695.00
403.911	HOT BITUMINOUS BRIDGE PAVEMENT, 1" BASE COURSE	TON	33.90	\$210.00	\$7,119.00	\$300.00	\$10,170.00	\$300.00	\$10,170.00
403.99	TEMPORARY BITUMINOUS PAVEMENT	TON	28.90	\$100.00	\$2,890.00	\$300.00	\$8,670.00	\$300.00	\$8,670.00
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	936.00	\$6.00	\$5,616.00	\$4.00	\$3,744.00	\$4.00	\$3,744.00
417.	COLD PLANING BITUMINOUS SURFACES	SY	7,578.00	\$5.00	\$37,890.00	\$2.25	\$17,050.50	\$2.25	\$17,050.50
417.412	RUMBLE STRIPS, 12" WIDE	LF	1,567.00	\$2.00	\$3,134.00	\$9.20	\$14,416.40	\$4.00	\$6,268.00
417.53	REMOVE AND INLAY EXISTING RUMBLE STRIPS	LF	1,567.00	\$3.50	\$5,484.50	\$4.00	\$6,268.00	\$8.00	\$12,536.00
502.101	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$50,000.00	\$50,000.00	\$35,000.00	\$35,000.00	\$72,000.00	\$72,000.00
504.1	COMMON BRIDGE EXCAVATION (F)	CY	42.00	\$50.00	\$2,100.00	\$100.00	\$4,200.00	\$65.00	\$2,730.00
511.0001	CONCRETE BRIDGE DECK PAVEMENT REMOVAL (F)	SY	314.00	\$15.00	\$4,710.00	\$35.00	\$10,990.00	\$20.00	\$6,280.00
511.0002	CONCRETE BRIDGE DECK PAVEMENT REMOVAL (F)	SY	285.00	\$15.00	\$4,275.00	\$35.00	\$9,975.00	\$20.00	\$5,700.00
511.02	PREPARATION FOR PARTIAL DEPTH CONCRETE BRIDGE DECK REPAIRS	SY	32.00	\$375.00	\$12,000.00	\$250.00	\$8,000.00	\$285.00	\$9,120.00
511.03	PREPARATION FOR FULL DEPTH CONCRETE BRIDGE DECK REPAIRS	SY	62.00	\$525.00	\$32,550.00	\$500.00	\$31,000.00	\$600.00	\$37,200.00
512.02	PREPARATION FOR CONCRETE REPAIRS, CLASS II	SY	10.00	\$1,000.00	\$10,000.00	\$600.00	\$6,000.00	\$600.00	\$6,000.00
520.01	CONCRETE CLASS AA	CY	4.00	\$1,000.00	\$4,000.00	\$1,500.00	\$6,000.00	\$1,395.00	\$5,580.00
520.0201	CONCRETE CLASS AA, ABOVE FOOTINGS	CY	29.00	\$1,500.00	\$43,500.00	\$1,750.00	\$50,750.00	\$2,100.00	\$60,900.00
521.22	FAST-SET CONCRETE PATCHING MORTAR (VERTICAL AND OVERHEAD)	CF	1.00	\$800.00	\$800.00	\$500.00	\$500.00	\$1,500.00	\$1,500.00
534.3	WATER REPELLENT (SILANE/SILOXANE)	GAL	18.00	\$100.00	\$1,800.00	\$75.00	\$1,350.00	\$100.00	\$1,800.00
538.2	BARRIER MEMBRANE, PEEL AND STICK - VERTICAL SURFACES (F)	SY	37.00	\$50.00	\$1,850.00	\$50.00	\$1,850.00	\$50.00	\$1,850.00
538.5	BARRIER MEMBRANE, HEAT WELDED (F)	SY	603.00	\$35.00	\$21,105.00	\$37.00	\$22,311.00	\$35.00	\$21,105.00
541.5	PVC WATERSTOPS, NH TYPE 5 (F)	LF	53.00	\$10.00	\$530.00	\$10.00	\$530.00	\$10.00	\$530.00
544.	REINFORCING STEEL (F)	LB	2,116.00	\$2.00	\$4,232.00	\$4.00	\$8,464.00	\$5.00	\$10,580.00
544.11	REINFORCING STEEL - MECHANICAL CONNECTORS (F)	LB	271.00	\$6.50	\$1,761.50	\$6.00	\$1,626.00	\$2.25	\$609.75
559.41	ASPHALTIC PLUG FOR CRACK CONTROL (F)	LF	129.00	\$100.00	\$12,900.00	\$106.00	\$13,674.00	\$91.00	\$11,739.00
560.1001	PREFABRICATED COMPRESSION SEAL EXPANSION JOINT (F)	LF	54.00	\$600.00	\$32,400.00	\$685.00	\$36,990.00	\$700.00	\$37,800.00

Item No.	Description	Unit	Quantity	PS&E		SWETT, E. D. INC. 8 INDUSTRIAL PARK DR CONCORD, NH 03301-8512		EVROKS CORPORATION 23 INDUSTRIAL DRIVE NORTHFIELD, NH 03278	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
562.1	SILICONE JOINT SEALANT (F)	LF	7.00	\$25.00	\$175.00	\$20.00	\$140.00	\$25.00	\$175.00
563.8	RESETTING BRIDGE RAIL	LF	2.00	\$400.00	\$800.00	\$100.00	\$200.00	\$400.00	\$800.00
563.95	SNOW SCREENING FOR OVERPASS STRUCTURES	LF	55.00	\$150.00	\$8,250.00	\$100.00	\$5,500.00	\$85.00	\$4,675.00
604.0007	POLYETHYLENE LINER	EA	5.00	\$180.00	\$900.00	\$150.00	\$750.00	\$150.00	\$750.00
604.4	RECONSTRUCTING/ADJUSTING CATCH BASIN & DROP INLET	LF	5.00	\$450.00	\$2,250.00	\$600.00	\$3,000.00	\$600.00	\$3,000.00
604.72	GRATES & FRAMES, TYPE B	EA	1.00	\$550.00	\$550.00	\$650.00	\$650.00	\$400.00	\$400.00
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	620.00	\$25.00	\$15,500.00	\$35.00	\$21,700.00	\$25.00	\$15,500.00
606.41741	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL - BRIDGE	LF	780.00	\$60.00	\$45,600.00	\$50.00	\$38,000.00	\$60.00	\$45,600.00
606.9523	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 3	U	4.00	\$4,500.00	\$18,000.00	\$5,000.00	\$20,000.00	\$3,500.00	\$14,000.00
609.5	RESET GRANITE CURB	LF	16.00	\$40.00	\$640.00	\$25.00	\$400.00	\$50.00	\$800.00
609.55	RESET GRANITE CURB (BRIDGE)	LF	8.00	\$75.00	\$600.00	\$100.00	\$800.00	\$125.00	\$1,000.00
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	15,000.00	\$1.00	\$15,000.00	\$1.00	\$15,000.00	\$1.00	\$15,000.00
618.7	FLAGGERS	HR	6,000.00	\$25.00	\$150,000.00	\$30.00	\$180,000.00	\$20.00	\$120,000.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$20,000.00	\$20,000.00	\$17,500.00	\$17,500.00	\$62,500.00	\$62,500.00
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	4.00	\$5,000.00	\$20,000.00	\$3,500.00	\$14,000.00	\$3,000.00	\$12,000.00
619.279	AUTOMATED TRAILER-MOUNTED SPEED LIMIT SIGN	U	4.00	\$2,000.00	\$8,000.00	\$5,000.00	\$20,000.00	\$2,600.00	\$10,400.00
628.2	SAWED BITUMINOUS PAVEMENT	LF	179.00	\$2.00	\$358.00	\$3.00	\$537.00	\$3.00	\$537.00
628.22	SAWED BITUMINOUS PAVEMENT (BRIDGE)	LF	130.00	\$4.50	\$585.00	\$3.00	\$390.00	\$3.00	\$390.00
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	26,000.00	\$0.25	\$6,500.00	\$0.16	\$4,160.00	\$0.16	\$4,160.00
632.911	OBLITERATE PAVE. MARKING LINE, 12" WIDE & UNDER	LF	13,000.00	\$1.00	\$13,000.00	\$0.75	\$9,750.00	\$0.75	\$9,750.00
670.104	TEMPORARY PORTABLE LIGHTING	U	4.00	\$3,700.00	\$14,800.00	\$5,000.00	\$20,000.00	\$2,000.00	\$8,000.00
692.	MOBILIZATION	U	1.00	\$70,000.00	\$70,000.00	\$40,000.00	\$40,000.00	\$94,500.00	\$94,500.00
698.13	FIELD OFFICE TYPE C	MON	10.00	\$2,000.00	\$20,000.00	\$1,500.00	\$15,000.00	\$1,625.00	\$16,250.00
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00
1002.1	REPAIRS OR REPLACEMENTS AS NEEDED - BRIDGE STRUCTURES	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00
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
Totals:				\$916,273.00		\$897,858.90		\$959,476.25	
Alt. Totals:									
Totals:				\$916,273.00		\$897,858.90		\$959,476.25	

Item No.	Description	Unit	Quantity	PS&E		PIPER, R. M. INC. 141 SMITH BRIDGE RD PLYMOUTH, NH 03254-0080		Unit Price	Total
				Unit Price	Total	Unit Price	Total		

Items

304.301	CRUSHED GRAVEL	CY	26.00	\$50.00	\$1,300.00	\$50.00	\$1,300.00		
403.11	HOT BITUMINOUS PAVEMENT, MACHINE METHOD	TON	1,541.00	\$85.00	\$130,985.00	\$80.00	\$123,280.00		
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	9.80	\$150.00	\$1,470.00	\$325.00	\$3,185.00		
403.6	PAVEMENT JOINT ADHESIVE	LF	12,220.00	\$0.40	\$4,888.00	\$0.50	\$6,110.00		
403.61	PAVEMENT JOINT ADHESIVE (BRIDGE BASE)	LF	695.00	\$5.00	\$3,475.00	\$1.10	\$764.50		
403.911	HOT BITUMINOUS BRIDGE PAVEMENT, 1" BASE COURSE	TON	33.90	\$210.00	\$7,119.00	\$325.00	\$11,017.50		
403.99	TEMPORARY BITUMINOUS PAVEMENT	TON	28.90	\$100.00	\$2,890.00	\$325.00	\$9,392.50		
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	936.00	\$6.00	\$5,616.00	\$4.50	\$4,212.00		
417.	COLD PLANING BITUMINOUS SURFACES	SY	7,578.00	\$5.00	\$37,890.00	\$2.50	\$18,945.00		
417.412	RUMBLE STRIPS, 12" WIDE	LF	1,567.00	\$2.00	\$3,134.00	\$9.00	\$14,103.00		
417.53	REMOVE AND INLAY EXISTING RUMBLE STRIPS	LF	1,567.00	\$3.50	\$5,484.50	\$4.50	\$7,051.50		
502.101	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$50,000.00	\$50,000.00	\$85,000.00	\$85,000.00		
504.1	COMMON BRIDGE EXCAVATION (F)	CY	42.00	\$50.00	\$2,100.00	\$50.00	\$2,100.00		
511.0001	CONCRETE BRIDGE DECK PAVEMENT REMOVAL (F)	SY	314.00	\$15.00	\$4,710.00	\$35.00	\$10,990.00		
511.0002	CONCRETE BRIDGE DECK PAVEMENT REMOVAL (F)	SY	285.00	\$15.00	\$4,275.00	\$35.00	\$9,975.00		
511.02	PREPARATION FOR PARTIAL DEPTH CONCRETE BRIDGE DECK REPAIRS	SY	32.00	\$375.00	\$12,000.00	\$450.00	\$14,400.00		
511.03	PREPARATION FOR FULL DEPTH CONCRETE BRIDGE DECK REPAIRS	SY	62.00	\$525.00	\$32,550.00	\$500.00	\$31,000.00		
512.02	PREPARATION FOR CONCRETE REPAIRS, CLASS II	SY	10.00	\$1,000.00	\$10,000.00	\$450.00	\$4,500.00		
520.01	CONCRETE CLASS AA	CY	4.00	\$1,000.00	\$4,000.00	\$1,500.00	\$6,000.00		
520.0201	CONCRETE CLASS AA, ABOVE FOOTINGS	CY	29.00	\$1,500.00	\$43,500.00	\$1,250.00	\$36,250.00		
521.22	FAST-SET CONCRETE PATCHING MORTAR (VERTICAL AND OVERHEAD)	CF	1.00	\$800.00	\$800.00	\$850.00	\$850.00		
534.3	WATER REPELLENT (SILANE/SILOXANE)	GAL	18.00	\$100.00	\$1,800.00	\$100.00	\$1,800.00		
538.2	BARRIER MEMBRANE, PEEL AND STICK - VERTICAL SURFACES (F)	SY	37.00	\$50.00	\$1,850.00	\$50.00	\$1,850.00		
538.5	BARRIER MEMBRANE, HEAT WELDED (F)	SY	603.00	\$35.00	\$21,105.00	\$34.00	\$20,502.00		
541.5	PVC WATERSTOPS, NH TYPE 5 (F)	LF	53.00	\$10.00	\$530.00	\$10.00	\$530.00		
544.	REINFORCING STEEL (F)	LB	2,116.00	\$2.00	\$4,232.00	\$4.00	\$8,464.00		
544.11	REINFORCING STEEL- MECHANICAL CONNECTORS (F)	LB	271.00	\$6.50	\$1,761.50	\$6.00	\$1,626.00		
559.41	ASPHALTIC PLUG FOR CRACK CONTROL (F)	LF	129.00	\$100.00	\$12,900.00	\$100.00	\$12,900.00		
560.1001	PREFABRICATED COMPRESSION SEAL EXPANSION JOINT (F)	LF	54.00	\$600.00	\$32,400.00	\$850.00	\$45,900.00		

Item No.	Description	Unit	Quantity	P&E		PIPER, R. M. INC. 141 SMITH BRIDGE RD PLYMOUTH, NH 03284-0400		Unit Price	Total
				Unit Price	Total	Unit Price	Total		
562.1	SILICONE JOINT SEALANT (F)	LF	7.00	\$25.00	\$175.00	\$25.00	\$175.00		
563.8	RESETTING BRIDGE RAIL	LF	2.00	\$400.00	\$800.00	\$800.00	\$1,600.00		
563.95	SNOW SCREENING FOR OVERPASS STRUCTURES	LF	55.00	\$150.00	\$8,250.00	\$100.00	\$5,500.00		
604.0007	POLYETHYLENE LINER	EA	5.00	\$180.00	\$900.00	\$200.00	\$1,000.00		
604.4	RECONSTRUCTING/ADJUSTING CATCH BASIN & DROP INLET	LF	5.00	\$450.00	\$2,250.00	\$500.00	\$2,500.00		
604.72	GRATES & FRAMES, TYPE B	EA	1.00	\$550.00	\$550.00	\$500.00	\$500.00		
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	620.00	\$25.00	\$15,500.00	\$35.00	\$21,700.00		
606.41741	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL - BRIDGE	LF	760.00	\$60.00	\$45,600.00	\$50.00	\$38,000.00		
606.9523	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 3	U	4.00	\$4,500.00	\$18,000.00	\$4,500.00	\$18,000.00		
609.5	RESET GRANITE CURB	LF	16.00	\$40.00	\$640.00	\$40.00	\$640.00		
609.55	RESET GRANITE CURB (BRIDGE)	LF	8.00	\$75.00	\$600.00	\$80.00	\$640.00		
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	15,000.00	\$1.00	\$15,000.00	\$1.00	\$15,000.00		
618.7	FLAGGERS	HR	6,000.00	\$25.00	\$150,000.00	\$25.00	\$150,000.00		
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$20,000.00	\$20,000.00	\$95,000.00	\$95,000.00		
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	4.00	\$5,000.00	\$20,000.00	\$6,800.00	\$27,200.00		
619.279	AUTOMATED TRAILER-MOUNTED SPEED LIMIT SIGN	U	4.00	\$2,000.00	\$8,000.00	\$4,750.00	\$19,000.00		
628.2	SAWED BITUMINOUS PAVEMENT	LF	178.00	\$2.00	\$358.00	\$2.00	\$358.00		
628.22	SAWED BITUMINOUS PAVEMENT (BRIDGE)	LF	130.00	\$4.50	\$585.00	\$4.00	\$520.00		
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	26,000.00	\$0.25	\$6,500.00	\$0.19	\$4,940.00		
632.911	OBLITERATE PAVE. MARKING LINE, 12" WIDE & UNDER	LF	13,000.00	\$1.00	\$13,000.00	\$0.58	\$7,540.00		
670.104	TEMPORARY PORTABLE LIGHTING	U	4.00	\$3,700.00	\$14,800.00	\$4,000.00	\$16,000.00		
692.	MOBILIZATION	U	1.00	\$70,000.00	\$70,000.00	\$110,000.00	\$110,000.00		
698.13	FIELD OFFICE TYPE C	MON	10.00	\$2,000.00	\$20,000.00	\$1,500.00	\$15,000.00		
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00		
1002.1	REPAIRS OR REPLACEMENTS AS NEEDED - BRIDGE STRUCTURES	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00		
1010.15	FUEL ADJUSTMENT	\$	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		
Totals:				\$916,273.00		\$1,084,811.00			
Alt. Totals:									
Totals:				\$916,273.00		\$1,084,811.00			



PS&E Comparison

BARNSTEAD
41301
X-A004(591)

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
Items								
304.301	CRUSHED GRAVEL	CY	26.00	\$100.00	\$2,600.00	\$50.00	\$1,300.00	\$1,300.00
403.11	HOT BITUMINOUS PAVEMENT, MACHINE METHOD	TON	1,541.00	\$72.00	\$110,952.00	\$85.00	\$130,985.00	(\$20,033.00)
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	9.80	\$300.00	\$2,940.00	\$150.00	\$1,470.00	\$1,470.00
403.6	PAVEMENT JOINT ADHESIVE	LF	12,220.00	\$0.30	\$3,666.00	\$0.40	\$4,888.00	(\$1,222.00)
403.61	PAVEMENT JOINT ADHESIVE (BRIDGE BASE)	LF	695.00	\$1.00	\$695.00	\$5.00	\$3,475.00	(\$2,780.00)
403.911	HOT BITUMINOUS BRIDGE PAVEMENT, 1" BASE COURSE	TON	33.90	\$300.00	\$10,170.00	\$210.00	\$7,119.00	\$3,051.00
403.99	TEMPORARY BITUMINOUS PAVEMENT	TON	28.90	\$300.00	\$8,670.00	\$100.00	\$2,890.00	\$5,780.00
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	936.00	\$4.00	\$3,744.00	\$6.00	\$5,616.00	(\$1,872.00)
417.	COLD PLANING BITUMINOUS SURFACES	SY	7,578.00	\$2.25	\$17,050.50	\$5.00	\$37,890.00	(\$20,839.50)
417.412	RUMBLE STRIPS, 12" WIDE	LF	1,567.00	\$9.20	\$14,416.40	\$2.00	\$3,134.00	\$11,282.40
417.53	REMOVE AND INLAY EXISTING RUMBLE STRIPS	LF	1,567.00	\$4.00	\$6,268.00	\$3.50	\$5,484.50	\$783.50
502.101	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$35,000.00	\$35,000.00	\$50,000.00	\$50,000.00	(\$15,000.00)
504.1	COMMON BRIDGE EXCAVATION (F)	CY	42.00	\$100.00	\$4,200.00	\$50.00	\$2,100.00	\$2,100.00
511.0001	CONCRETE BRIDGE DECK PAVEMENT REMOVAL (F)	SY	314.00	\$35.00	\$10,990.00	\$15.00	\$4,710.00	\$6,280.00

511.0002	CONCRETE BRIDGE DECK PAVEMENT REMOVAL (F)	SY	285.00	\$35.00	\$9,975.00	\$15.00	\$4,275.00	\$5,700.00
511.02	PREPARATION FOR PARTIAL DEPTH CONCRETE BRIDGE DECK REPAIRS	SY	32.00	\$250.00	\$8,000.00	\$375.00	\$12,000.00	(\$4,000.00)
511.03	PREPARATION FOR FULL DEPTH CONCRETE BRIDGE DECK REPAIRS	SY	62.00	\$500.00	\$31,000.00	\$525.00	\$32,550.00	(\$1,550.00)
512.02	PREPARATION FOR CONCRETE REPAIRS, CLASS II	SY	10.00	\$600.00	\$6,000.00	\$1,000.00	\$10,000.00	(\$4,000.00)
520.01	CONCRETE CLASS AA	CY	4.00	\$1,500.00	\$6,000.00	\$1,000.00	\$4,000.00	\$2,000.00
520.0201	CONCRETE CLASS AA, ABOVE FOOTINGS	CY	29.00	\$1,750.00	\$50,750.00	\$1,500.00	\$43,500.00	\$7,250.00
521.22	FAST-SET CONCRETE PATCHING MORTAR (VERTICAL AND OVERHEAD)	CF	1.00	\$500.00	\$500.00	\$800.00	\$800.00	(\$300.00)
534.3	WATER REPELLENT (SILANE/SILOXANE)	GAL	18.00	\$75.00	\$1,350.00	\$100.00	\$1,800.00	(\$450.00)
538.2	BARRIER MEMBRANE, PEEL AND STICK - VERTICAL SURFACES (F)	SY	37.00	\$50.00	\$1,850.00	\$50.00	\$1,850.00	\$0.00
538.5	BARRIER MEMBRANE, HEAT WELDED (F)	SY	603.00	\$37.00	\$22,311.00	\$35.00	\$21,105.00	\$1,206.00
541.5	PVC WATERSTOPS, NH TYPE 5 (F)	LF	53.00	\$10.00	\$530.00	\$10.00	\$530.00	\$0.00
544.	REINFORCING STEEL (F)	LB	2,116.00	\$4.00	\$8,464.00	\$2.00	\$4,232.00	\$4,232.00
544.11	REINFORCING STEEL- MECHANICAL CONNECTORS (F)	LB	271.00	\$6.00	\$1,626.00	\$6.50	\$1,761.50	(\$135.50)
559.41	ASPHALTIC PLUG FOR CRACK CONTROL (F)	LF	129.00	\$106.00	\$13,674.00	\$100.00	\$12,900.00	\$774.00
560.1001	PREFABRICATED COMPRESSION SEAL EXPANSION JOINT (F)	LF	54.00	\$685.00	\$36,990.00	\$600.00	\$32,400.00	\$4,590.00
562.1	SILICONE JOINT SEALANT (F)	LF	7.00	\$20.00	\$140.00	\$25.00	\$175.00	(\$35.00)
563.8	RESETTING BRIDGE RAIL	LF	2.00	\$100.00	\$200.00	\$400.00	\$800.00	(\$600.00)
563.95	SNOW SCREENING FOR OVERPASS STRUCTURES	LF	55.00	\$100.00	\$5,500.00	\$150.00	\$8,250.00	(\$2,750.00)
604.0007	POLYETHYLENE LINER	EA	5.00	\$150.00	\$750.00	\$180.00	\$900.00	(\$150.00)
604.4	RECONSTRUCTING/ADJUSTING CATCH BASIN & DROP INLET	LF	5.00	\$600.00	\$3,000.00	\$450.00	\$2,250.00	\$750.00
604.72	GRATES & FRAMES, TYPE B	EA	1.00	\$650.00	\$650.00	\$550.00	\$550.00	\$100.00
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	620.00	\$35.00	\$21,700.00	\$25.00	\$15,500.00	\$6,200.00

606.41741	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL - BRIDGE	LF	760.00	\$50.00	\$38,000.00	\$60.00	\$45,600.00	(\$7,600.00)
606.9523	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 3	U	4.00	\$5,000.00	\$20,000.00	\$4,500.00	\$18,000.00	\$2,000.00
609.5	RESET GRANITE CURB	LF	16.00	\$25.00	\$400.00	\$40.00	\$640.00	(\$240.00)
609.55	RESET GRANITE CURB (BRIDGE)	LF	8.00	\$100.00	\$800.00	\$75.00	\$600.00	\$200.00
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	15,000.00	\$1.00	\$15,000.00	\$1.00	\$15,000.00	\$0.00
618.7	FLAGGERS	HR	6,000.00	\$30.00	\$180,000.00	\$25.00	\$150,000.00	\$30,000.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$17,500.00	\$17,500.00	\$20,000.00	\$20,000.00	(\$2,500.00)
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	4.00	\$3,500.00	\$14,000.00	\$5,000.00	\$20,000.00	(\$6,000.00)
619.279	AUTOMATED TRAILER-MOUNTED SPEED LIMIT SIGN	U	4.00	\$5,000.00	\$20,000.00	\$2,000.00	\$8,000.00	\$12,000.00
628.2	SAWED BITUMINOUS PAVEMENT	LF	179.00	\$3.00	\$537.00	\$2.00	\$358.00	\$179.00
628.22	SAWED BITUMINOUS PAVEMENT (BRIDGE)	LF	130.00	\$3.00	\$390.00	\$4.50	\$585.00	(\$195.00)
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	26,000.00	\$0.16	\$4,160.00	\$0.25	\$6,500.00	(\$2,340.00)
632.911	OBLITERATE PAVE. MARKING LINE, 12" WIDE & UNDER	LF	13,000.00	\$0.75	\$9,750.00	\$1.00	\$13,000.00	(\$3,250.00)
670.104	TEMPORARY PORTABLE LIGHTING	U	4.00	\$5,000.00	\$20,000.00	\$3,700.00	\$14,800.00	\$5,200.00
692.	MOBILIZATION	U	1.00	\$40,000.00	\$40,000.00	\$70,000.00	\$70,000.00	(\$30,000.00)
698.13	FIELD OFFICE TYPE C	MON	10.00	\$1,500.00	\$15,000.00	\$2,000.00	\$20,000.00	(\$5,000.00)
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00	\$0.00
1002.1	REPAIRS OR REPLACEMENTS AS NEEDED - BRIDGE STRUCTURES	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00	\$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

Total:

\$897,858.90

\$916,273.00

(\$18,414.10)

