



Victoria F. Sheehan
Commissioner

THE STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION



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
August 31, 2021

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 \$800,945.85 for bridge rehabilitation in Center Harbor and New Hampton, from the date of Governor and Council approval through October 28, 2022, unless extended by the Department in accordance with the Standard Specifications. 100% Federal Funds.

Funding is available in State Fiscal Years 2022 and 2023, 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 2022</u>	<u>FY 2023</u>
04-96-96-963515-3054		
Consolidated Federal Aid	\$608,718.84	\$192,227.01
400-500870 Highway Contract Payments		

2. Further authorize that a contingency in the amount of \$40,047.29, 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.

Funding is available as follows:	<u>FY 2023</u>
04-96-96-963515-3054	
Consolidated Federal Aid	
400-500870 Highway Contract Payments	\$40,047.29

EXPLANATION

This project is part of the State's Ten Year Transportation Improvement Plan. This rehabilitation project will address the structural deficiencies of the Waukegan Road Br. No. 080/040 in Center Harbor and New Hampton. The existing slab superstructure will be removed and replaced with precast butted deck beams which will be supported on new abutments. A new bridge number will be assigned for this bridge (Br. No. 081/040). The new abutments will be cast-in-place behind the existing stone abutments which will remain in-place and be stabilized. Full depth reconstruction will be done for the approaches with a slight adjustment to the alignment and a raise in profile to accommodate a deeper superstructure.

The existing bridge is a simple span concrete slab bridge constructed in 1928 on split stone abutments constructed in the late 1800's. Its current condition rating is Deck/Superstructure: 4, Substructure: 4. It has

been on the State Red list since 2010 and is currently scheduled for construction funding in FY 2021. This project involved substantial community coordination to retain the existing, narrow alignment and character of the road.

This rehabilitation will remove the bridge from the State Red List and extend the overall life of the bridge.

The proposed contingency amount is 5% of the contract amount. The existing abutments will remain in place and there may be additional work needed to stabilize the abutments during construction. The contingency amount is requested to accommodate additional costs associated with unknown conditions found during construction.

Although the bid costs exceeded the Department's estimate by 4.60%, the lowest of 2 bids received is felt to be reasonable for the work involved. One item of significance (mobilization) contributed to 100% of the overage. Re-advertising this project would result, in our opinion, in higher prices and prevent the completion of the work in a timely manner. The Department considers it to be in the best interest of the State to accept this bid to accomplish these needed repairs.

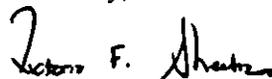
The Contractor has been prequalified by this Department. The Contract has been approved by the Attorney General as to form and execution, and the Department has certified that the necessary funds are available and the bid reasonably conforms to the engineer's estimate in accordance with State procedure. 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 (Bridg-T3-4-Rehab-Rcn), with anticipated utilization of Turnpike Toll Credits for the State's 20% match, 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.

Your approval of this resolution is respectfully requested.

Sincerely,



Victoria F. Sheehan
Commissioner

VFS/pcj

Department Estimate: \$765,717.00
Contract Amount: \$800,945.85
Over Estimate: \$ 35,228.85
Attachments



ABC Bid Data

CENTER HARBOR - NEW HAMPTON
24579
X-A002(923)

PROJECT:	CENTER HARBOR - NEW HAMPTON	Awarded To:	SWETT, E. D. INC.
STATE PROJECT NUMBER:	24579		8 INDUSTRIAL PARK DR
FED. PROJECT NUMBER:	X-A002(923)		CONCORD, NH 03301-8512
DATE BIDS OPEN:	August 12, 2021, 2:00	Amount:	\$800,945.85
SCOPE OF WORK:	Rehabilitation of Red List Bridge carrying Waukewan Road over Snake River (Br No 080/040)	Certified by:	<u>PETER.E.STAMNAS</u> Director of Project Development
COMPLETION DATE:	October 28, 2022	Award Date:	
LOCATION:	Belknap		

Summary of Bidders

Contractor	Bid Amount	Rank
SWETT, E. D. INC. 8 INDUSTRIAL PARK DR, CONCORD NH 03301-8512	\$800,945.85	A
PIPER, R. M. INC. PO BOX 490, PLYMOUTH NH 03264	\$877,195.75	B



ABC Bid Data

CENTER HARBOR - NEW HAMPTON

24579

X-A002(923)

Item No.	Description	Unit	Quantity	PBAE		BWEIT, E. G. INC. 8 INDUSTRIAL PARK DR CONCORD, NH 03301-6512		PIPER, R. M. INC. PO BOX 496 PLYMOUTH, NH 03264	
				Unit Price	Total	Unit Price	Total	Unit Price	Total

Items

201.1	CLEARING AND GRUBBING (F)	A	.10	\$25,000.00	\$2,500.00	\$25,000.00	\$2,500.00	\$15,000.00	\$1,500.00
202.7	REMOVAL OF GUARDRAIL	LF	355.00	\$4.00	\$1,420.00	\$4.00	\$1,420.00	\$5.00	\$1,775.00
203.1	COMMON EXCAVATION	CY	657.00	\$31.00	\$20,367.00	\$20.00	\$13,140.00	\$12.00	\$7,884.00
203.11	COMMON EXCAVATION - LRS	CY	93.00	\$30.00	\$2,790.00	\$25.00	\$2,325.00	\$22.50	\$2,092.50
203.5572	EAGRT PLATFORM ALTERNATE, TL 2 - 25'	U	3.00	\$1,650.00	\$4,950.00	\$3,000.00	\$9,000.00	\$1,200.00	\$3,600.00
203.601	EMBANKMENT-IN-PLACE	CY	175.00	\$30.00	\$5,250.00	\$15.00	\$2,625.00	\$20.00	\$3,500.00
209.201	GRANULAR BACKFILL (BRIDGE) (F)	CY	40.00	\$100.00	\$4,000.00	\$125.00	\$5,000.00	\$50.00	\$2,000.00
209.5	GRANULAR BACKFILL FOR MSE WALLS	CY	70.00	\$50.00	\$3,500.00	\$80.00	\$5,600.00	\$30.00	\$2,100.00
214.	FINE GRADING	U	1.00	\$4,000.00	\$4,000.00	\$8,000.00	\$8,000.00	\$4,500.00	\$4,500.00
304.2	GRAVEL (F)	CY	400.00	\$27.50	\$11,000.00	\$30.00	\$12,000.00	\$30.00	\$12,000.00
304.3	CRUSHED GRAVEL (F)	CY	400.00	\$50.00	\$20,000.00	\$40.00	\$16,000.00	\$38.00	\$15,200.00
304.33	CRUSHED AGGREGATE FOR SHOULDERS	CY	30.00	\$80.00	\$2,400.00	\$45.00	\$1,350.00	\$50.00	\$1,500.00
403.11023	HBP-BINDER, MM	TON	145.00	\$180.00	\$26,100.00	\$100.00	\$14,500.00	\$110.00	\$15,950.00
403.11043	HBP-1/2" WEARING, MM	TON	85.00	\$223.00	\$18,955.00	\$125.00	\$10,625.00	\$130.00	\$11,050.00
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	4.00	\$275.00	\$1,100.00	\$200.00	\$800.00	\$210.00	\$840.00
403.16	PAVEMENT JOINT ADHESIVE	LF	1,050.00	\$3.50	\$3,675.00	\$1.00	\$1,050.00	\$1.10	\$1,155.00
403.21053	HBP-3/8", MACHINE METHOD (BRIDGE BASE)	TON	8.00	\$300.00	\$2,400.00	\$150.00	\$1,200.00	\$160.00	\$1,280.00
403.26	PAVEMENT JOINT ADHESIVE (BRIDGE BASE)	LF	190.00	\$8.00	\$1,140.00	\$2.00	\$380.00	\$2.25	\$427.50
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	55.00	\$15.00	\$825.00	\$10.00	\$550.00	\$11.00	\$605.00
417.	COLD PLANING BITUMINOUS SURFACES	SY	125.00	\$35.00	\$4,375.00	\$15.00	\$1,875.00	\$11.00	\$1,375.00
502.	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$23,000.00	\$23,000.00	\$30,000.00	\$30,000.00	\$50,000.00	\$50,000.00
503.101	WATER DIVERSION STRUCTURE	U	1.00	\$22,000.00	\$22,000.00	\$25,000.00	\$25,000.00	\$60,000.00	\$60,000.00
504.1	COMMON BRIDGE EXCAVATION (F)	CY	138.00	\$45.00	\$6,075.00	\$28.50	\$3,847.50	\$15.00	\$2,025.00
504.2	ROCK BRIDGE EXCAVATION	CY	65.00	\$150.00	\$9,750.00	\$100.00	\$6,500.00	\$50.00	\$3,250.00



ABC Bid Data

CENTER HARBOR - NEW HAMPTON

24579

X-A002(923)

Item No.	Description	Unit	Quantity	P&A E		SWETT, E. D. INC. 8 INDUSTRIAL PARK DR CONCORD, NH 03301-4812		PIPER, R. M. INC. PO BOX 498 PLYMOUTH, NH 03264	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
508.	STRUCTURAL FILL	CY	10.00	\$58.00	\$590.00	\$50.00	\$500.00	\$50.00	\$500.00
520.0102	CONCRETE CLASS AA (QC/QA) (F)	CY	21.00	\$1,320.00	\$27,720.00	\$1,500.00	\$31,500.00	\$1,200.00	\$25,200.00
520.0302	CONCRETE CLASS AA APPROACH SLABS (QC/QA) (F)	CY	35.00	\$800.00	\$21,000.00	\$800.00	\$28,000.00	\$560.00	\$19,600.00
520.12	CONCRETE CLASS A, ABOVE FOOTINGS (F)	CY	20.00	\$1,000.00	\$20,000.00	\$1,600.00	\$32,000.00	\$1,200.00	\$24,000.00
520.213	CONCRETE CLASS B, FOOTINGS (ON SOIL) (F)	CY	15.00	\$547.00	\$8,205.00	\$1,250.00	\$18,750.00	\$800.00	\$12,000.00
528.3118	PRESTRESSED CONCRETE BRIDGE DECK, BUTTED DECK BEAMS (F)	SF	682.00	\$140.00	\$95,480.00	\$120.00	\$81,840.00	\$140.00	\$95,480.00
534.3	WATER REPELLENT (SILANE/SILOXANE)	GAL	8.00	\$110.00	\$880.00	\$75.00	\$600.00	\$100.00	\$800.00
538.5	BARRIER MEMBRANE, HEAT WELDED (F)	SY	130.00	\$44.00	\$5,720.00	\$40.00	\$5,200.00	\$32.00	\$4,160.00
544.	REINFORCING STEEL (F)	LB	3,178.00	\$2.50	\$7,945.00	\$2.25	\$7,150.50	\$1.50	\$4,767.00
544.2	REINFORCING STEEL, EPOXY COATED (F)	LB	8,265.00	\$3.00	\$24,795.00	\$2.50	\$20,662.50	\$1.75	\$14,463.75
548.11	ELASTOMERIC BEARING PADS (F)	EA	14.00	\$330.00	\$4,620.00	\$800.00	\$11,200.00	\$600.00	\$8,400.00
550.1	STRUCTURAL STEEL (F)	LB	1,920.00	\$8.00	\$15,360.00	\$9.50	\$18,240.00	\$10.00	\$19,200.00
559.4	ASPHALTIC PLUG EXPANSION JOINT (F)	LF	19.00	\$137.50	\$2,612.50	\$150.00	\$2,850.00	\$195.00	\$3,705.00
559.41	ASPHALTIC PLUG FOR CRACK CONTROL (F)	LF	19.00	\$110.00	\$2,090.00	\$140.00	\$2,660.00	\$175.00	\$3,325.00
562.1	SILICONE JOINT SEALANT (F)	LF	10.00	\$20.00	\$200.00	\$5.00	\$50.00	\$25.00	\$250.00
563.3	BRIDGE RAIL T101	LF	122.00	\$180.00	\$21,960.00	\$210.00	\$25,620.00	\$220.00	\$26,840.00
570.5	DRY RUBBLE MASONRY (F)	CY	8.00	\$280.00	\$2,240.00	\$1,250.00	\$10,000.00	\$450.00	\$3,600.00
570.9	RESETTING MASONRY WALL	CY	70.00	\$600.00	\$42,000.00	\$150.00	\$10,500.00	\$700.00	\$49,000.00
593.411	GEOTEXTILE; PERM CONTROL CL.1, NON-WOVEN	SY	70.00	\$4.40	\$308.00	\$5.00	\$350.00	\$4.00	\$280.00
595.3	PRIMARY GEOGRID	SY	300.00	\$6.50	\$1,950.00	\$25.00	\$7,500.00	\$5.00	\$1,500.00
605.506	6" PERF. CORR. POLYETHYLENE PIPE UNDERDRAIN	LF	148.00	\$30.00	\$4,440.00	\$50.00	\$7,400.00	\$40.00	\$5,920.00
606.12551	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGR1, TL 2 - 25') (STEEL POST)	U	3.00	\$2,500.00	\$7,500.00	\$3,300.00	\$9,900.00	\$3,500.00	\$10,500.00
606.127	BEAM GUARDRAIL (TERMINAL UNIT TYPE G-2) (STEEL POST)	U	1.00	\$1,000.00	\$1,000.00	\$1,300.00	\$1,300.00	\$1,300.00	\$1,300.00
606.1285	BEAM GUARDRAIL (BRIDGE APPROACH UNIT)	U	4.00	\$4,500.00	\$18,000.00	\$6,000.00	\$24,000.00	\$6,250.00	\$25,000.00
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	145.00	\$26.00	\$3,770.00	\$30.00	\$4,350.00	\$33.00	\$4,785.00
607.5348	WOOD FENCE (SPLIT RAIL) 4'-6" HIGH	LF	30.00	\$33.00	\$990.00	\$25.00	\$750.00	\$60.00	\$1,800.00



ABC Bid Data

CENTER HARBOR - NEW HAMPTON

24579

X-A002(923)

Item No.	Description	Unit	Quantity	P&E		SWETT, E. D. INC. 8 INDUSTRIAL PARK DR CONCORD, NH 03301-4512		PIPER, R. M. INC. PO BOX 499 PLYMOUTH, NH 03264	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
609.01	STRAIGHT GRANITE CURB	LF	40.00	\$110.00	\$4,400.00	\$50.00	\$2,000.00	\$40.00	\$1,600.00
616.0201	TRAFFIC SIGN TYPE B	SF	3.33	\$70.00	\$233.10	\$100.00	\$333.00	\$70.00	\$233.10
616.023	REMOVING TRAFFIC SIGN TYPE B	U	1.00	\$145.00	\$145.00	\$75.00	\$75.00	\$110.00	\$110.00
616.0301	TRAFFIC SIGN TYPE C	SF	20.00	\$50.00	\$1,000.00	\$115.00	\$2,300.00	\$55.00	\$1,100.00
616.033	REMOVING TRAFFIC SIGN, TYPE C	U	4.00	\$30.00	\$120.00	\$50.00	\$200.00	\$80.00	\$320.00
616.0501	TRAFFIC SIGN TYPE BB	SF	3.33	\$30.00	\$99.90	\$120.00	\$399.60	\$55.00	\$183.15
618.7	FLAGGERS	HR	80.00	\$38.50	\$3,080.00	\$45.00	\$3,600.00	\$50.00	\$4,000.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$20,000.00	\$20,000.00	\$22,000.00	\$22,000.00	\$30,000.00	\$30,000.00
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	2.00	\$5,000.00	\$10,000.00	\$6,500.00	\$13,000.00	\$5,500.00	\$11,000.00
621.31	SINGLE DELINEATOR WITH POST	EA	2.00	\$60.00	\$120.00	\$60.00	\$120.00	\$65.00	\$130.00
621.32	DOUBLE DELINEATOR WITH POST	EA	2.00	\$70.00	\$140.00	\$65.00	\$130.00	\$70.00	\$140.00
628.2	SAWED BITUMINOUS PAVEMENT	LF	44.00	\$5.50	\$242.00	\$4.75	\$209.00	\$2.25	\$99.00
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	2,125.00	\$0.80	\$1,700.00	\$1.15	\$2,443.75	\$0.85	\$1,806.25
645.0001	TURBIDITY BARRIER	LF	80.00	\$30.00	\$2,400.00	\$100.00	\$8,000.00	\$50.00	\$4,000.00
645.44	TEMPORARY SLOPE MATTING TYPE D (WILDLIFE FRIENDLY)	SY	440.00	\$3.30	\$1,452.00	\$15.00	\$6,600.00	\$1.80	\$792.00
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	1,185.00	\$8.00	\$9,480.00	\$5.00	\$5,925.00	\$4.50	\$5,332.50
645.531	SILT FENCE	LF	1,185.00	\$3.50	\$4,147.50	\$4.00	\$4,740.00	\$3.00	\$3,555.00
645.7	STORM WATER POLLUTION PREVENTION PLAN	U	1.00	\$4,400.00	\$4,400.00	\$4,000.00	\$4,000.00	\$8,500.00	\$8,500.00
645.71	MONITORING SWPPP AND EROSION AND SEDIMENT CONTROLS	HR	64.00	\$75.00	\$4,800.00	\$85.00	\$5,440.00	\$90.00	\$5,760.00
646.41	TURF ESTABLISHMENT WITH MULCH, TACKIFIERS AND HUMUS	SY	440.00	\$9.00	\$3,960.00	\$3.00	\$1,320.00	\$2.50	\$1,100.00
650.2	LANDSCAPING	U	1.00	\$5,500.00	\$5,500.00	\$5,000.00	\$5,000.00	\$52,500.00	\$52,500.00
692.	MOBILIZATION	U	1.00	\$50,000.00	\$50,000.00	\$81,500.00	\$81,500.00	\$85,000.00	\$85,000.00
697.31	PROJECT OPERATIONS PLAN	U	1.00	\$2,900.00	\$2,900.00	\$3,000.00	\$3,000.00	\$3,500.00	\$3,500.00
698.13	FIELD OFFICE TYPE C	MON	6.00	\$2,000.00	\$12,000.00	\$2,000.00	\$12,000.00	\$1,000.00	\$6,000.00
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	6,050.00	\$1.00	\$6,050.00	\$1.00	\$6,050.00	\$1.00	\$6,050.00
1002.1	REPAIRS OR REPLACEMENTS AS NEEDED - BRIDGE STRUCTURES	\$	60,000.00	\$1.00	\$60,000.00	\$1.00	\$60,000.00	\$1.00	\$60,000.00



ABC Bid Data

CENTER HARBOR - NEW HAMPTON

24579

X-A002(923)

Item No.	Description	Unit	Quantity	P&E		SWETT, E. O. INC. 8 INDUSTRIAL PARK DR CONCORD, NH 03301-4512		PIPER, R. M. INC. PO BOX 498 PLYMOUTH, NH 03254	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
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	\$	1,000.00	\$1.00	\$1,000.00	\$1.00	\$1,000.00	\$1.00	\$1,000.00
1010.41	QUALITY CONTROL QUALITY ASSURANCE (QC/QA) FOR CONCRETE	\$	3,400.00	\$1.00	\$3,400.00	\$1.00	\$3,400.00	\$1.00	\$3,400.00
Totals:					\$765,717.00		\$800,945.85		\$877,195.76
Alt. Totals:									
Totals:					\$765,717.00		\$800,945.85		\$877,195.76



PS&E Comparison

CENTER HARBOR - NEW HAMPTON

24579

X-A002(923)

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
Items								
201.1	CLEARING AND GRUBBING (F)	A	.10	\$25,000.00	\$2,500.00	\$25,000.00	\$2,500.00	\$0.00
202.7	REMOVAL OF GUARDRAIL	LF	355.00	\$4.00	\$1,420.00	\$4.00	\$1,420.00	\$0.00
203.1	COMMON EXCAVATION	CY	657.00	\$20.00	\$13,140.00	\$31.00	\$20,367.00	(\$7,227.00)
203.11	COMMON EXCAVATION - LRS	CY	93.00	\$25.00	\$2,325.00	\$30.00	\$2,790.00	(\$465.00)
203.5572	EAGRT PLATFORM ALTERNATE, TL 2 - 25'	U	3.00	\$3,000.00	\$9,000.00	\$1,650.00	\$4,950.00	\$4,050.00
203.601	EMBANKMENT-IN-PLACE	CY	175.00	\$15.00	\$2,625.00	\$30.00	\$5,250.00	(\$2,625.00)
209.201	GRANULAR BACKFILL (BRIDGE) (F)	CY	40.00	\$125.00	\$5,000.00	\$100.00	\$4,000.00	\$1,000.00
209.5	GRANULAR BACKFILL FOR MSE WALLS	CY	70.00	\$80.00	\$5,600.00	\$50.00	\$3,500.00	\$2,100.00
214.	FINE GRADING	U	1.00	\$6,000.00	\$6,000.00	\$4,000.00	\$4,000.00	\$2,000.00
304.2	GRAVEL (F)	CY	400.00	\$30.00	\$12,000.00	\$27.50	\$11,000.00	\$1,000.00
304.3	CRUSHED GRAVEL (F)	CY	400.00	\$40.00	\$16,000.00	\$50.00	\$20,000.00	(\$4,000.00)
304.33	CRUSHED AGGREGATE FOR SHOULDERS	CY	30.00	\$45.00	\$1,350.00	\$80.00	\$2,400.00	(\$1,050.00)
403.11023	HBP-BINDER, MM	TON	145.00	\$100.00	\$14,500.00	\$180.00	\$26,100.00	(\$11,600.00)
403.11043	HBP-1/2" WEARING, MM	TON	85.00	\$125.00	\$10,625.00	\$223.00	\$18,955.00	(\$8,330.00)
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	4.00	\$200.00	\$800.00	\$275.00	\$1,100.00	(\$300.00)



PS&E Comparison

CENTER HARBOR - NEW HAMPTON

24579

X-A002(923)

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
403.16	PAVEMENT JOINT ADHESIVE	LF	1,050.00	\$1.00	\$1,050.00	\$3.50	\$3,675.00	(\$2,625.00)
403.21053	HBP-3/8", MACHINE METHOD (BRIDGE BASE)	TON	8.00	\$150.00	\$1,200.00	\$300.00	\$2,400.00	(\$1,200.00)
403.26	PAVEMENT JOINT ADHESIVE (BRIDGE BASE)	LF	190.00	\$2.00	\$380.00	\$6.00	\$1,140.00	(\$760.00)
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	55.00	\$10.00	\$550.00	\$15.00	\$825.00	(\$275.00)
417.	COLD PLANING BITUMINOUS SURFACES	SY	125.00	\$15.00	\$1,875.00	\$35.00	\$4,375.00	(\$2,500.00)
502.	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$30,000.00	\$30,000.00	\$23,000.00	\$23,000.00	\$7,000.00
503.101	WATER DIVERSION STRUCTURE	U	1.00	\$25,000.00	\$25,000.00	\$22,000.00	\$22,000.00	\$3,000.00
504.1	COMMON BRIDGE EXCAVATION (F)	CY	135.00	\$28.50	\$3,847.50	\$45.00	\$6,075.00	(\$2,227.50)
504.2	ROCK BRIDGE EXCAVATION	CY	65.00	\$100.00	\$6,500.00	\$150.00	\$9,750.00	(\$3,250.00)
508.	STRUCTURAL FILL	CY	10.00	\$50.00	\$500.00	\$59.00	\$590.00	(\$90.00)
520.0102	CONCRETE CLASS AA (QC/QA) (F)	CY	21.00	\$1,500.00	\$31,500.00	\$1,320.00	\$27,720.00	\$3,780.00
520.0302	CONCRETE CLASS AA APPROACH SLABS (QC/QA) (F)	CY	35.00	\$800.00	\$28,000.00	\$600.00	\$21,000.00	\$7,000.00
520.12	CONCRETE CLASS A, ABOVE FOOTINGS (F)	CY	20.00	\$1,600.00	\$32,000.00	\$1,000.00	\$20,000.00	\$12,000.00
520.213	CONCRETE CLASS B, FOOTINGS (ON SOIL) (F)	CY	15.00	\$1,250.00	\$18,750.00	\$547.00	\$8,205.00	\$10,545.00
528.3118	PRESTRESSED CONCRETE BRIDGE DECK, BUTTED DECK BEAMS (F)	SF	682.00	\$120.00	\$81,840.00	\$140.00	\$95,480.00	(\$13,640.00)
534.3	WATER REPELLENT (SILANE/SILOXANE)	GAL	8.00	\$75.00	\$600.00	\$110.00	\$880.00	(\$280.00)
538.5	BARRIER MEMBRANE, HEAT WELDED (F)	SY	130.00	\$40.00	\$5,200.00	\$44.00	\$5,720.00	(\$520.00)



PS&E Comparison

CENTER HARBOR - NEW HAMPTON

24579

X-A002(923)

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
544.	REINFORCING STEEL (F)	LB	3,178.00	\$2.25	\$7,150.50	\$2.50	\$7,945.00	(\$794.50)
544.2	REINFORCING STEEL, EPOXY COATED (F)	LB	8,265.00	\$2.50	\$20,662.50	\$3.00	\$24,795.00	(\$4,132.50)
548.11	ELASTOMERIC BEARING PADS (F)	EA	14.00	\$800.00	\$11,200.00	\$330.00	\$4,620.00	\$6,580.00
550.1	STRUCTURAL STEEL (F)	LB	1,920.00	\$9.50	\$18,240.00	\$8.00	\$15,360.00	\$2,880.00
559.4	ASPHALTIC PLUG EXPANSION JOINT (F)	LF	19.00	\$150.00	\$2,850.00	\$137.50	\$2,612.50	\$237.50
559.41	ASPHALTIC PLUG FOR CRACK CONTROL (F)	LF	19.00	\$140.00	\$2,660.00	\$110.00	\$2,090.00	\$570.00
562.1	SILICONE JOINT SEALANT (F)	LF	10.00	\$5.00	\$50.00	\$20.00	\$200.00	(\$150.00)
563.3	BRIDGE RAIL T101	LF	122.00	\$210.00	\$25,620.00	\$180.00	\$21,960.00	\$3,660.00
570.5	DRY RUBBLE MASONRY (F)	CY	8.00	\$1,250.00	\$10,000.00	\$280.00	\$2,240.00	\$7,760.00
570.9	RESETTING MASONRY WALL	CY	70.00	\$150.00	\$10,500.00	\$600.00	\$42,000.00	(\$31,500.00)
593.411	GEOTEXTILE: PERM CONTROL CL.1, NON-WOVEN	SY	70.00	\$5.00	\$350.00	\$4.40	\$308.00	\$42.00
595.3	PRIMARY GEOGRID	SY	300.00	\$25.00	\$7,500.00	\$6.50	\$1,950.00	\$5,550.00
605.506	6" PERF. CORR. POLYETHYLENE PIPE UNDERDRAIN	LF	148.00	\$50.00	\$7,400.00	\$30.00	\$4,440.00	\$2,960.00
606.12551	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 2 - 25') (STEEL POST)	U	3.00	\$3,300.00	\$9,900.00	\$2,500.00	\$7,500.00	\$2,400.00
606.127	BEAM GUARDRAIL (TERMINAL UNIT TYPE G-2) (STEEL POST)	U	1.00	\$1,300.00	\$1,300.00	\$1,000.00	\$1,000.00	\$300.00
606.1285	BEAM GUARDRAIL (BRIDGE APPROACH UNIT)	U	4.00	\$6,000.00	\$24,000.00	\$4,500.00	\$18,000.00	\$6,000.00



PS&E Comparison

CENTER HARBOR - NEW HAMPTON

24579

X-A002(923)

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	145.00	\$30.00	\$4,350.00	\$26.00	\$3,770.00	\$580.00
607.5346	WOOD FENCE (SPLIT RAIL) 4'-6" HIGH	LF	30.00	\$25.00	\$750.00	\$33.00	\$990.00	(\$240.00)
609.01	STRAIGHT GRANITE CURB	LF	40.00	\$50.00	\$2,000.00	\$110.00	\$4,400.00	(\$2,400.00)
615.0201	TRAFFIC SIGN TYPE B	SF	3.33	\$100.00	\$333.00	\$70.00	\$233.10	\$99.90
615.023	REMOVING TRAFFIC SIGN TYPE B	U	1.00	\$75.00	\$75.00	\$145.00	\$145.00	(\$70.00)
615.0301	TRAFFIC SIGN TYPE C	SF	20.00	\$115.00	\$2,300.00	\$50.00	\$1,000.00	\$1,300.00
615.033	REMOVING TRAFFIC SIGN, TYPE C	U	4.00	\$50.00	\$200.00	\$30.00	\$120.00	\$80.00
615.0501	TRAFFIC SIGN TYPE BB	SF	3.33	\$120.00	\$399.60	\$30.00	\$99.90	\$299.70
618.7	FLAGGERS	HR	80.00	\$45.00	\$3,600.00	\$38.50	\$3,080.00	\$520.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$22,000.00	\$22,000.00	\$20,000.00	\$20,000.00	\$2,000.00
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	2.00	\$6,500.00	\$13,000.00	\$5,000.00	\$10,000.00	\$3,000.00
621.31	SINGLE DELINEATOR WITH POST	EA	2.00	\$60.00	\$120.00	\$60.00	\$120.00	\$0.00
621.32	DOUBLE DELINEATOR WITH POST	EA	2.00	\$65.00	\$130.00	\$70.00	\$140.00	(\$10.00)
628.2	SAWED BITUMINOUS PAVEMENT	LF	44.00	\$4.75	\$209.00	\$5.50	\$242.00	(\$33.00)
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	2,125.00	\$1.15	\$2,443.75	\$0.80	\$1,700.00	\$743.75
645.0001	TURBIDITY BARRIER	LF	80.00	\$100.00	\$8,000.00	\$30.00	\$2,400.00	\$5,600.00



PS&E Comparison

CENTER HARBOR - NEW HAMPTON

24579

X-A002(923)

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
645.44	TEMPORARY SLOPE MATTING TYPE D (WILDLIFE FRIENDLY)	SY	440.00	\$15.00	\$6,600.00	\$3.30	\$1,452.00	\$5,148.00
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	1,185.00	\$5.00	\$5,925.00	\$8.00	\$9,480.00	(\$3,555.00)
645.531	SILT FENCE	LF	1,185.00	\$4.00	\$4,740.00	\$3.50	\$4,147.50	\$592.50
645.7	STORM WATER POLLUTION PREVENTION PLAN	U	1.00	\$4,000.00	\$4,000.00	\$4,400.00	\$4,400.00	(\$400.00)
645.71	MONITORING SWPPP AND EROSION AND SEDIMENT CONTROLS	HR	64.00	\$85.00	\$5,440.00	\$75.00	\$4,800.00	\$640.00
646.41	TURF ESTABLISHMENT WITH MULCH, TACKIFIERS AND HUMUS	SY	440.00	\$3.00	\$1,320.00	\$9.00	\$3,960.00	(\$2,640.00)
650.2	LANDSCAPING	U	1.00	\$5,000.00	\$5,000.00	\$5,500.00	\$5,500.00	(\$500.00)
692.	MOBILIZATION	U	1.00	\$81,500.00	\$81,500.00	\$50,000.00	\$50,000.00	\$31,500.00
697.31	PROJECT OPERATIONS PLAN	U	1.00	\$3,000.00	\$3,000.00	\$2,900.00	\$2,900.00	\$100.00
698.13	FIELD OFFICE TYPE C	MON	6.00	\$2,000.00	\$12,000.00	\$2,000.00	\$12,000.00	\$0.00
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	6,050.00	\$1.00	\$6,050.00	\$1.00	\$6,050.00	\$0.00
1002.1	REPAIRS OR REPLACEMENTS AS NEEDED - BRIDGE STRUCTURES	\$	60,000.00	\$1.00	\$60,000.00	\$1.00	\$60,000.00	\$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	\$	1,000.00	\$1.00	\$1,000.00	\$1.00	\$1,000.00	\$0.00
1010.41	QUALITY CONTROL QUALITY ASSURANCE (QC/QA) FOR CONCRETE	\$	3,400.00	\$1.00	\$3,400.00	\$1.00	\$3,400.00	\$0.00

Total:

\$800,945.85

\$765,717.00

\$35,228.85

March 25, 2021

SUPPLEMENTAL PROJECT INFORMATION SHEET

DESCRIPTION: This rehabilitation project will address the structural deficiencies of the Waukegan Road Br. No. 080/040 in Center Harbor and New Hampton. The existing slab superstructure will be removed and replaced with precast butted deck beams which will be supported on new abutments. A new bridge number will be assigned for this bridge (Br. No. 081/040). The new abutments will be cast-in-place behind the existing stone abutments which will remain in-place and be stabilized. Full depth reconstruction will be done for the approaches with a slight adjustment to the alignment and a raise in profile to accommodate a deeper superstructure.

FEDERAL FUNDING: 80% (Bridg-T3-4-Rehab-Rcn) with anticipated utilization of Turnpike Toll Credits for the State's 20% match.

CONTINGENCY: The proposed contingency amount is 5% of the contract amount. The following factors involve higher risks that can potentially increase costs: working within the prime wetland buffer zone, maintaining all work within the ROW, maintaining the existing abutments, and restriction on the project schedule and maintenance schedule within a 4-month time period.

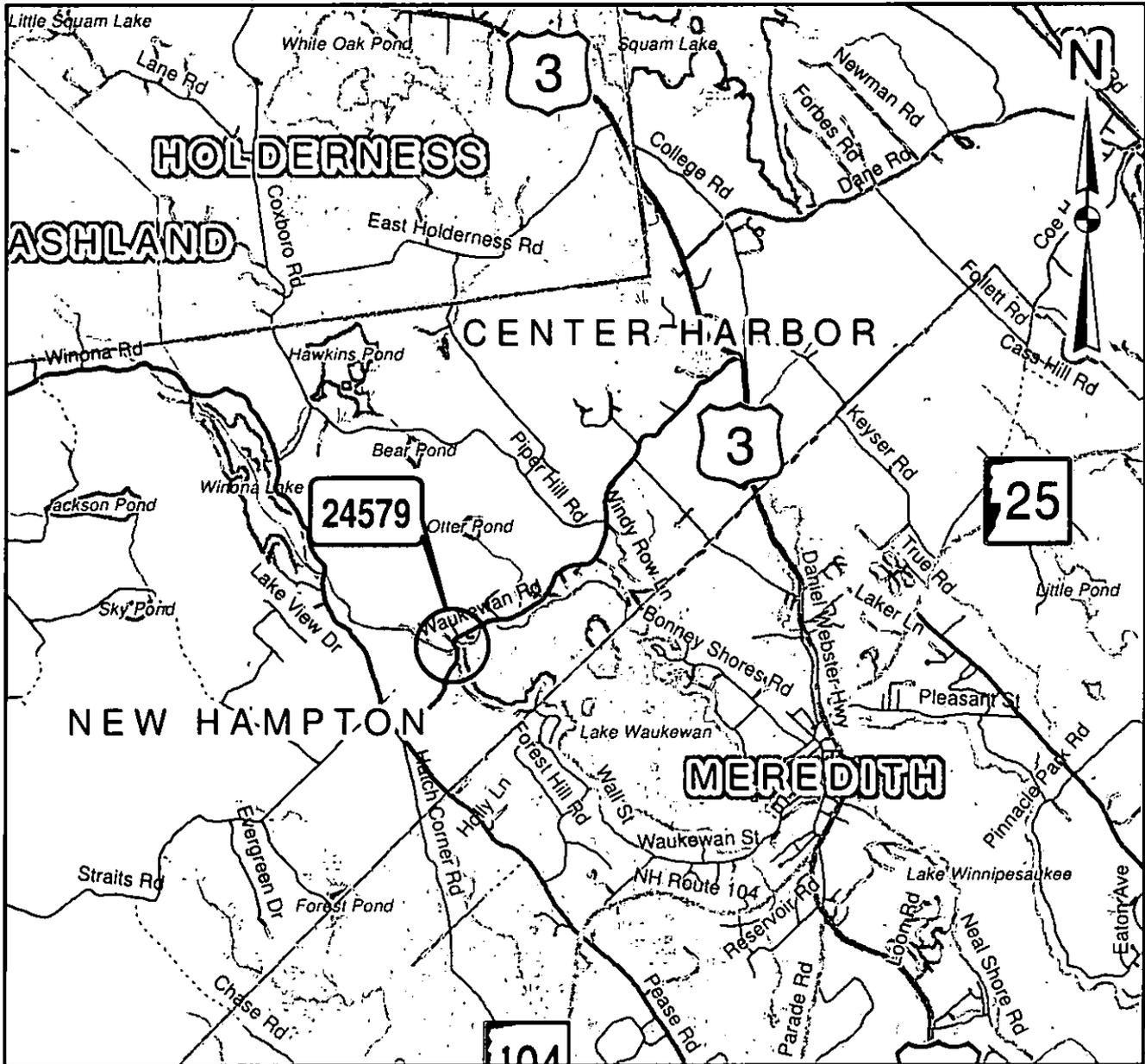
PROJECT INITIATED: State's 10-year Transportation Improvement Plan.

PROJECT EXPLANATION: The existing bridge is a simple span concrete slab bridge constructed in 1928 on split stone abutments constructed in the late 1800's. Its current condition rating is Deck/Superstructure: 4, Substructure: 4. It has been on the State Red list since 2010 and is currently scheduled for construction funding in FY 2021 in the 2017-2026 Ten-Year Plan. This rehabilitation will remove the bridge from the State Red List and extend the overall life of the bridge.

TRAFFIC IMPLICATION: The bridge will be closed and a detour put in place which utilizes State roads, Winona Road and US Rte 3. Road closure will not occur at the same time as the closure of the Meredith Br. No. 184/138, therefore all work requiring a road closure shall occur between Memorial Day and Columbus Day.

FINAL COMPLETION DATE: October 28, 2022

CENTER HARBOR - NEW HAMPTON WAUKEWAN ROAD

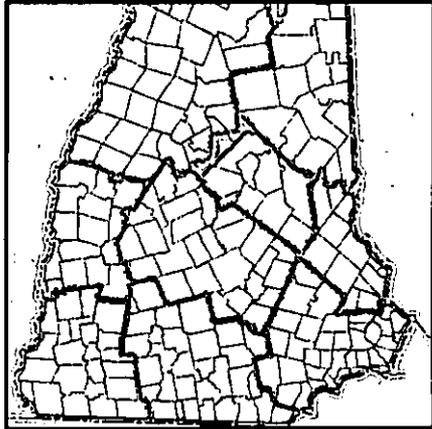


LEGEND

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

New Hampshire
DOT
Department of Transportation

State #: 24579
Federal #: X-A002(923)
LOCATION MAP





CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
8/25/2021

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 have ADDITIONAL INSURED provisions or 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 any rights to the certificate holder in lieu of such endorsement(s).

PRODUCER USI Ins Svcs Constr Proj Spec 3 Executive Park Drive, Suite 300 Bedford, NH 03110 855 874-0123	CONTACT NAME: PHONE (A/C, No, Ext): 855 874-0123	FAX (A/C, No):
	E-MAIL ADDRESS:	
INSURED State of NH-Dept. of Transportation c/o E. D. Swett, Inc. 8 Industrial Park Drive Concord, NH 03301	INSURER(S) AFFORDING COVERAGE	
	INSURER A : Travelers Indemnity Company	
	NAIC # 25658	
	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 SUBR INSR 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"/> OCP GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:		PRS4P41960AIND	08/24/2021	08/24/2022	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 \$ \$
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY					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? <input type="checkbox"/> Y/N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		N/A			PER STATUTE <input type="checkbox"/> OTHER <input type="checkbox"/> 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)
 Project: Center Harbor, New Hampton NH-X-002(923), 24579

CERTIFICATE HOLDER State of New Hampshire Department 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 <i>See Hart</i>
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