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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
September 16, 2019

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 \$9,764,986.00, for bridge rehabilitation efforts on I-89 NB, SB bridges over US Route 4 at Exit 19 and associated ramp work and bridge preservation work on the I-89 NB, SB bridges over the Mascoma River, from the date of Governor and Council approval through October 14, 2022, unless extended by the Department in accordance with the Standard Specifications. 51.2% General Funds and 48.8% Federal Funds.

Funding to support this request is available in the following accounts in Fiscal Year 2020 and Fiscal Year 2021. Funding is contingent upon the availability and continued appropriation of funds in Fiscal Year 2022 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 2020</u>	<u>FY 2021</u>	<u>FY 2022</u>
04-96-96-963515-3054 Consolidated Federal Aid			
400-500870 Highway Contract Payments	\$2,000,000.00	\$2,000,000.00	\$764,986.00
04-96-96-963010-3897 State-Owned Bridge Construction			
400-500870 Highway Contract Payments	\$5,000,000.00		

2. Further authorize that a contingency in the amount of \$488,249.30 to 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 anticipated to be available as follows:	<u>FY 2020</u>	<u>FY 2021</u>	<u>FY 2022</u>
04-96-96-963515-3054 Consolidated Federal Aid			
400-500870 Highway Contract Payments			\$488,249.30

EXPLANATION

This project is part of the State's Ten Year Transportation Improvement Plan. The project consists of the rehabilitation of the I-89 NB, SB bridges over US Route 4 (Br. No. 093/109 Red List, 094/108) at Exit 19; bridge preservation work on the I-89 NB, SB bridges over the Mascoma River and truck road (Br. No.

097/112, 198/111); the rehabilitation of the I-89 pavement, drainage, and guardrail from approximately MM 58.0 (at the RR overpass bridge) to MM 58.5 (at the Poverty Lane overpass bridge); and the reconstruction of the I-89 pavement on Exit 19 NB Off- and On-Ramps (note that no work will be done on the SB ramps). Work on the US Route 4 overpass bridges includes construction of a new widened bridge median joining the NB and SB bridges to allow for maintenance of traffic during reconstruction of the existing bridges; full superstructure replacement of the existing bridges (i.e. girders, deck, bridge rail, bearings, and expansion joints), and abutment repairs. Work on the I-89 bridges over the Mascoma River/truck road includes partial- and full-depth deck repairs, expansion joint replacement, barrier membrane installation, backwall/pilaster repairs, and replacement of the bridge shoes at the abutments. Both I-89/Mascoma River bridge structural steel will be repainted at the abutment ends, which includes environmental protection and compliance with lead-bearing paint (LBP) removal regulations. Additional work also includes installing a CCTV pole and equipment in the Exit 19 SB Off Ramp infield. This project will remove Br. No. 093/109 from the State's Red List.

The existing US4/NH10 bridges, built in 1966, are single-span structures consisting of steel I-beam girders and concrete decks and have total lengths of approximately 115 feet. The NB bridge's current condition rating is Deck: 4, Superstructure: 6, Substructure: 6. This bridge is structurally deficient, and has been on the State's Red List since 2009, and is #53 on the 2017 R&R Priority list. The SB bridge's current condition rating is Deck: 6, Superstructure: 7, Substructure: 5, it is #77 on the 2017 R&R Priority List. The existing Mascoma River bridges, also built in 1966, are three span structures consisting of steel I-beam girders and concrete decks with a total length of approximately 230 feet. Both bridges have current condition ratings of Deck: 6, Superstructure: 6, Substructure: 6. Proposed improvements will remove one bridge from the state's Red List, and extend the overall life and function of the bridges.

The proposed contingency amount is 5% of the contract amount. This is to account for payment for latent conditions which may appear during construction of the project. The following factors involve higher risks that can potentially increase costs: complicated traffic control plan due to high traffic volumes and phased roadway, and bridge construction; the preservation work on both bridges over the Mascoma River 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.

Although the bid costs exceeded the Department's estimate by 15.39%, the low bid of 2 bids received is felt to be reasonable for the work involved, with 77% of the overage related to bridge work (bridge removal, structural steel and concrete), and the majority of the balance of the overage is related to traffic control. 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

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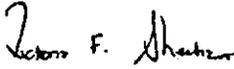
Administrative Service's Office, and subsequent to Governor and Council approval will be on file at the Department of Transportation.

This project funding is as follows: \$5,000,000.00 with State Funds from appropriation in Chapter 162:25-I, Laws of 2018. Funding is requested all in the first fiscal year because these were one time general funds appropriated for state-owned bridges and can only be used for this purpose. The balance of the project funding is 80% Federal Funds, utilizing Turnpike Toll Credits as the State's 20% match, effectively using 100% Federal Funds for this portion.

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: \$8,462,542.00
Contract Amount: \$9,764,986.00
Over Estimate: \$1,302,444.00
Attachments



ABC Bid Data

LEBANON
41191
X-A004(559)

PROJECT:	LEBANON	Awarded To:	SWETT, E. D. INC.
STATE PROJECT NUMBER:	41191		8 INDUSTRIAL PARK DR
FED. PROJECT NUMBER:	X-A004(559)		CONCORD, NH 03301-8512
DATE BIDS OPEN:	August 15, 2019, 2:00	Amount:	\$9,764,986.00
SCOPE OF WORK:	Rehab of the I-89 NB & SB over US 4 & NH 10 bridges and preservation efforts for the Mascoma River	Certified by:	<u>PETER.E.STAMNAS</u> <small>Director of Project Development</small>
COMPLETION DATE:	October 14, 2022	Award Date:	
LOCATION:	Grafton		

Summary of Bidders

Contractor	Bid Amount	Rank
SWETT, E. D. INC. 8 INDUSTRIAL PARK DR, CONCORD NH 03301-8512	\$9,764,986.00	A
BECK & BELLUCCI, INC. 10 SALISBURY ROAD, PO BOX 429, FRANKLIN NH 03235-0429	\$11,467,681.55	B

Item No.	Description	Unit	Quantity	P&E		SWETT, E. O. INC. 8 INDUSTRIAL PARK DR CONCORD, NH 03301-8512		BECK & BELLUCCI, INC. 10 SALISBURY ROAD FRANKLIN, NH 03238-0429	
				Unit Price	Total	Unit Price	Total	Unit Price	Total

Items

201.7	SELECTIVE CLEARING AND THINNING (F)	A	.20	\$6,500.00	\$1,300.00	\$30,000.00	\$6,000.00	\$56,500.00	\$11,300.00
201.881	INVASIVE SPECIES CONTROL TYPE I	SY	2,550.00	\$5.50	\$14,025.00	\$1.00	\$2,550.00	\$0.81	\$2,065.50
201.882	INVASIVE SPECIES CONTROL TYPE II	SY	70.00	\$11.00	\$770.00	\$12.00	\$840.00	\$16.30	\$1,141.00
202.31	FILL ABANDONED PIPE	CY	3.00	\$150.00	\$450.00	\$400.00	\$1,200.00	\$543.00	\$1,629.00
202.41	REMOVAL OF EXISTING PIPE 6-24" DIAMETER	LF	120.00	\$10.00	\$1,200.00	\$25.00	\$3,000.00	\$27.00	\$3,240.00
202.7	REMOVAL OF GUARDRAIL	LF	8,800.00	\$2.00	\$17,600.00	\$3.50	\$30,800.00	\$5.00	\$44,000.00
203.1	COMMON EXCAVATION	CY	1,010.00	\$10.00	\$10,100.00	\$20.00	\$20,200.00	\$23.35	\$23,583.50
203.11	COMMON EXCAVATION - LRS	CY	2,100.00	\$15.00	\$31,500.00	\$17.50	\$36,750.00	\$16.85	\$35,385.00
203.5661	EAGRT PLATFORM PREFERRED	U	2.00	\$1,000.00	\$2,000.00	\$1,000.00	\$2,000.00	\$1,800.00	\$3,600.00
203.92	ROCK SCALING - MACHINE METHOD	HR	12.00	\$550.00	\$6,600.00	\$500.00	\$6,000.00	\$600.00	\$7,200.00
206.1	COMMON STRUCTURE EXCAVATION	CY	40.00	\$22.00	\$880.00	\$25.00	\$1,000.00	\$67.00	\$2,680.00
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	6.00	\$50.00	\$300.00	\$100.00	\$600.00	\$136.00	\$816.00
206.2	ROCK STRUCTURE EXCAVATION	CY	1,790.00	\$75.00	\$134,250.00	\$75.00	\$134,250.00	\$119.00	\$213,010.00
209.201	GRANULAR BACKFILL (BRIDGE) (F)	CY	40.00	\$40.00	\$1,600.00	\$100.00	\$4,000.00	\$119.00	\$4,760.00
214.	FINE GRADING	U	1.00	\$65,000.00	\$65,000.00	\$20,000.00	\$20,000.00	\$30,500.00	\$30,500.00
304.301	CRUSHED GRAVEL	CY	2.00	\$75.00	\$150.00	\$65.00	\$130.00	\$200.00	\$400.00
304.31	CRUSHED GRAVEL FOR SHIMMING	CY	170.00	\$40.00	\$6,800.00	\$50.00	\$8,500.00	\$52.00	\$8,840.00
304.32	CRUSHED GRAVEL FOR SHOULDER LEVELING	TON	200.00	\$45.00	\$9,000.00	\$60.00	\$12,000.00	\$63.00	\$12,600.00
403.11001	HOT BITUMINOUS PAVEMENT, MACHINE METHOD (QC/QA TIER 1)	TON	2,550.00	\$75.00	\$191,250.00	\$99.25	\$253,087.50	\$108.00	\$275,400.00
403.11002	HOT BITUMINOUS PAVEMENT, MACHINE METHOD (QC/QA TIER 2)	TON	2,200.00	\$75.00	\$165,000.00	\$88.00	\$193,600.00	\$96.00	\$211,200.00
403.11901	HBP - MACHINE METHOD, HIGH STRENGTH (QC/QA TIER 1)	TON	4,210.00	\$80.00	\$336,800.00	\$90.00	\$378,900.00	\$98.00	\$412,580.00
403.11902	HBP - MACHINE METHOD, HIGH STRENGTH (QC/QA TIER 2)	TON	600.00	\$90.00	\$54,000.00	\$100.00	\$60,000.00	\$109.00	\$65,400.00
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	250.00	\$130.00	\$32,500.00	\$300.00	\$75,000.00	\$325.00	\$81,250.00
403.4	MATERIAL TRANSFER VEHICLE (MTV)	TON	6,750.00	\$2.50	\$16,875.00	\$3.80	\$25,650.00	\$4.13	\$27,877.50
403.6	PAVEMENT JOINT ADHESIVE	LF	61,400.00	\$1.00	\$61,400.00	\$0.25	\$15,350.00	\$0.27	\$16,578.00
403.61	PAVEMENT JOINT ADHESIVE (BRIDGE BASE)	LF	3,880.00	\$2.25	\$8,730.00	\$4.00	\$15,520.00	\$4.35	\$16,878.00
403.911	HOT BITUMINOUS BRIDGE PAVEMENT, 1" BASE COURSE	TON	221.00	\$220.00	\$48,820.00	\$225.00	\$49,725.00	\$244.00	\$53,924.00
403.99	TEMPORARY BITUMINOUS PAVEMENT	TON	2,540.00	\$85.00	\$215,900.00	\$125.00	\$317,500.00	\$136.00	\$345,440.00
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	2,710.00	\$3.80	\$10,298.00	\$10.00	\$27,100.00	\$11.00	\$29,810.00

Item No.	Description	Unit	Quantity	PS&E		SWETT, E. D. INC. 8 INDUSTRIAL PARK DR CONCORD, NH 03301-4512		BECK & BELLUCCI, INC. 10 SALISBURY ROAD FRANKLIN, NH 03225-0429	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
417.	COLD PLANING BITUMINOUS SURFACES	SY	29,500.00	\$2.50	\$73,750.00	\$2.50	\$73,750.00	\$2.75	\$81,125.00
417.418	RUMBLE STRIPS, 16" WIDE	LF	10,800.00	\$1.00	\$10,800.00	\$1.28	\$13,824.00	\$2.75	\$29,700.00
417.53	REMOVE AND INLAY EXISTING RUMBLE STRIPS	LF	2,800.00	\$2.50	\$6,500.00	\$9.00	\$23,400.00	\$9.78	\$25,428.00
502.101	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$128,986.00	\$128,986.00	\$205,000.00	\$205,000.00	\$250,000.00	\$250,000.00
502.102	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$97,089.50	\$97,089.50	\$180,000.00	\$180,000.00	\$200,000.00	\$200,000.00
502.103	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$20,000.00	\$20,000.00	\$115,000.00	\$115,000.00	\$95,000.00	\$95,000.00
502.104	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$20,000.00	\$20,000.00	\$100,000.00	\$100,000.00	\$75,000.00	\$75,000.00
503.201	COFFERDAMS	U	1.00	\$26,000.00	\$26,000.00	\$20,000.00	\$20,000.00	\$5,200.00	\$5,200.00
503.202	COFFERDAMS	U	1.00	\$26,000.00	\$26,000.00	\$20,000.00	\$20,000.00	\$5,200.00	\$5,200.00
504.1	COMMON BRIDGE EXCAVATION (F)	CY	640.00	\$50.00	\$32,000.00	\$50.00	\$32,000.00	\$68.70	\$43,968.00
504.2	ROCK BRIDGE EXCAVATION	CY	60.00	\$100.00	\$5,000.00	\$175.00	\$8,750.00	\$222.00	\$11,100.00
508.	STRUCTURAL FILL	CY	280.00	\$55.00	\$15,400.00	\$65.00	\$18,200.00	\$71.00	\$19,880.00
511.0001	CONCRETE BRIDGE DECK PAVEMENT REMOVAL (F)	SY	1,332.00	\$25.00	\$33,300.00	\$25.00	\$33,300.00	\$19.55	\$26,040.60
511.0002	CONCRETE BRIDGE DECK PAVEMENT REMOVAL (F)	SY	970.00	\$25.00	\$24,250.00	\$25.00	\$24,250.00	\$19.55	\$18,963.50
511.02	PREPARATION FOR PARTIAL DEPTH CONCRETE BRIDGE DECK REPAIRS	SY	379.00	\$325.00	\$123,175.00	\$250.00	\$94,750.00	\$450.00	\$170,550.00
511.03	PREPARATION FOR FULL DEPTH CONCRETE BRIDGE DECK REPAIRS	SY	68.00	\$550.00	\$37,400.00	\$750.00	\$51,000.00	\$1,000.00	\$68,000.00
512.0201	PREPARATION FOR CONCRETE REPAIRS, CLASS II	SY	203.00	\$750.00	\$152,250.00	\$500.00	\$101,500.00	\$850.00	\$172,550.00
520.01	CONCRETE CLASS AA	CY	32.00	\$900.00	\$28,800.00	\$1,000.00	\$32,000.00	\$750.00	\$24,000.00
520.0102	CONCRETE CLASS AA (QC/QA) (F)	CY	32.00	\$900.00	\$28,800.00	\$3,000.00	\$96,000.00	\$1,500.00	\$48,000.00
520.02	CONCRETE CLASS AA, ABOVE FOOTINGS (F)	CY	58.00	\$1,000.00	\$58,000.00	\$1,500.00	\$87,000.00	\$1,500.00	\$87,000.00
520.0201	CONCRETE CLASS AA, ABOVE FOOTINGS	CY	38.00	\$2,000.00	\$76,000.00	\$4,000.00	\$152,000.00	\$1,700.00	\$64,600.00
520.0302	CONCRETE CLASS AA APPROACH SLABS (QC/QA) (F)	CY	89.00	\$450.00	\$40,050.00	\$400.00	\$35,600.00	\$800.00	\$53,400.00
520.7002	CONCRETE BRIDGE DECK (QC/QA) (F)	CY	418.00	\$1,200.00	\$501,600.00	\$1,250.00	\$522,500.00	\$1,600.00	\$668,800.00
534.3	WATER REPELLENT (SILANE/SILOXANE)	GAL	131.00	\$110.00	\$14,410.00	\$60.00	\$7,860.00	\$100.00	\$13,100.00
538.2	BARRIER MEMBRANE, PEEL AND STICK - VERTICAL SURFACES (F)	SY	110.00	\$55.00	\$6,050.00	\$50.00	\$5,500.00	\$45.00	\$4,950.00
538.6	BARRIER MEMBRANE, HEAT WELDED - MACHINE METHOD (F)	SY	3,830.00	\$50.00	\$178,500.00	\$22.50	\$79,425.00	\$21.00	\$77,430.00
540.511	GALVANIC CORROSION PROTECTION SYSTEM (DISTRIBUTED ANODES)	LF	211.00	\$42.00	\$8,862.00	\$44.00	\$9,284.00	\$41.60	\$8,777.60
540.512	GALVANIC CORROSION PROTECTION SYSTEM (DISCRETE ANODES)	EA	856.00	\$30.00	\$25,680.00	\$25.00	\$21,400.00	\$20.00	\$17,120.00
541.5	PVC WATERSTOPS, NH TYPE 5 (F)	LF	387.50	\$10.00	\$3,875.00	\$10.00	\$3,875.00	\$9.00	\$3,487.50
544.2	REINFORCING STEEL, EPOXY COATED (F)	LB	128,650.00	\$1.50	\$192,825.00	\$1.50	\$192,825.00	\$2.72	\$349,656.00
544.21	REINFORCING STEEL, EPOXY COATED, MECHANICAL CONNECTORS (F)	LB	9,400.00	\$6.00	\$56,400.00	\$3.50	\$32,900.00	\$8.18	\$76,892.00

Item No.	Description	Unit	Quantity	P&S E		SWETT, E. D. INC. 8 INDUSTRIAL PARK DR CONCORD, NH 03301-4512		BECK & BELLUCCI, INC. 10 SALISBURY ROAD FRANKLIN, NH 03238-0429	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
544.31	REINFORCING STEEL, EPOXY COATED (CONTRACTOR DETAILED)	LB	6,270.00	\$1.80	\$9,486.00	\$3.50	\$18,445.00	\$3.59	\$18,919.30
544.7	SYNTHETIC FIBER REINFORCEMENT (F)	LB	500.00	\$10.00	\$5,000.00	\$8.00	\$4,000.00	\$8.70	\$4,350.00
547.	SHEAR CONNECTORS (F)	EA	6,171.00	\$7.00	\$43,197.00	\$6.50	\$40,111.50	\$8.00	\$49,368.00
550.1	STRUCTURAL STEEL (F)	LB	443,560.00	\$2.20	\$975,832.00	\$2.80	\$1,153,256.00	\$3.22	\$1,428,263.20
550.19101	TEMPORARY GIRDER SUPPORT SYSTEM	U	1.00	\$24,000.00	\$24,000.00	\$35,000.00	\$35,000.00	\$67,000.00	\$67,000.00
550.19102	TEMPORARY GIRDER SUPPORT SYSTEM	U	1.00	\$16,000.00	\$16,000.00	\$25,000.00	\$25,000.00	\$50,000.00	\$50,000.00
550.201	BRIDGE SHOES (F)	EA	34.00	\$3,500.00	\$119,000.00	\$3,000.00	\$102,000.00	\$2,800.00	\$95,200.00
550.202	BRIDGE SHOES (F)	EA	30.00	\$3,500.00	\$105,000.00	\$2,500.00	\$75,000.00	\$2,600.00	\$78,000.00
556.101	PAINTING EXISTING STRUCTURAL STEEL	U	1.00	\$48,856.00	\$48,856.00	\$100,000.00	\$100,000.00	\$105,000.00	\$105,000.00
556.102	PAINTING EXISTING STRUCTURAL STEEL	U	1.00	\$35,018.00	\$35,018.00	\$80,000.00	\$80,000.00	\$84,500.00	\$84,500.00
559.41	ASPHALTIC PLUG FOR CRACK CONTROL (F)	LF	188.50	\$145.00	\$27,332.50	\$120.00	\$22,620.00	\$126.00	\$23,751.00
561.1001	PREFABRICATED STRIP SEAL EXPANSION JOINT (F)	LF	188.50	\$900.00	\$169,650.00	\$600.00	\$113,100.00	\$650.00	\$122,525.00
561.1002	PREFABRICATED STRIP SEAL EXPANSION JOINT (F)	LF	114.00	\$900.00	\$102,600.00	\$600.00	\$68,400.00	\$650.00	\$74,100.00
561.1003	PREFABRICATED STRIP SEAL EXPANSION JOINT (F)	LF	85.00	\$900.00	\$76,500.00	\$600.00	\$51,000.00	\$650.00	\$55,250.00
562.1	SILICONE JOINT SEALANT (F)	LF	284.00	\$20.00	\$5,280.00	\$20.00	\$5,280.00	\$20.00	\$5,280.00
563.233	BRIDGE RAIL T3 WITH SNOW SCREENING	LF	216.00	\$165.00	\$35,640.00	\$200.00	\$43,200.00	\$213.00	\$46,008.00
565.232	BRIDGE APPROACH RAIL T3 (STEEL POSTS)	U	4.00	\$5,500.00	\$22,000.00	\$6,000.00	\$24,000.00	\$6,500.00	\$26,000.00
570.4	MORTAR RUBBLE MASONRY (F)	CY	5.00	\$450.00	\$2,250.00	\$750.00	\$3,750.00	\$760.00	\$3,800.00
585.3	STONE FILL, CLASS C	CY	35.00	\$65.00	\$2,275.00	\$100.00	\$3,500.00	\$135.00	\$4,725.00
593.411	GEOTEXTILE; PERM CONTROL CL.1, NON-WOVEN	SY	150.00	\$2.50	\$375.00	\$3.50	\$525.00	\$4.35	\$652.50
602.60912	CLOSE-FIT PIPE LINER 12" PIPE (CONTRACTOR'S OPTION)	LF	90.00	\$110.00	\$9,900.00	\$200.00	\$18,000.00	\$235.00	\$21,150.00
602.60915	CLOSE-FIT PIPE LINER 15" PIPE (CONTRACTOR'S OPTION)	LF	1,375.00	\$130.00	\$178,750.00	\$225.00	\$309,375.00	\$245.00	\$338,875.00
602.60924	CLOSE-FIT PIPE LINER 24" PIPE (CONTRACTOR'S OPTION)	LF	230.00	\$150.00	\$34,500.00	\$250.00	\$57,500.00	\$270.00	\$62,100.00
603.0001	VIDEO INSPECTION	LF	850.00	\$2.00	\$1,700.00	\$4.00	\$3,400.00	\$6.00	\$5,100.00
603.00215	15" R.C. PIPE, 2000D	LF	490.00	\$190.00	\$93,100.00	\$80.00	\$39,200.00	\$107.00	\$52,430.00
603.00218	18" R.C. PIPE, 2000D	LF	35.00	\$200.00	\$7,000.00	\$150.00	\$5,250.00	\$185.00	\$6,475.00
603.33212	12" CORR. POLYETHYLENE END SECTION	EA	5.00	\$200.00	\$1,000.00	\$200.00	\$1,000.00	\$245.00	\$1,225.00
603.33215	15" CORR. POLYETHYLENE END SECTION	EA	2.00	\$200.00	\$400.00	\$300.00	\$600.00	\$354.00	\$708.00
603.36115	15" ALUMINIZED STEEL END SECTION	EA	1.00	\$400.00	\$400.00	\$350.00	\$350.00	\$380.00	\$380.00
603.36118	18" ALUMINIZED STEEL END SECTION	EA	4.00	\$350.00	\$1,400.00	\$500.00	\$2,000.00	\$545.00	\$2,180.00
603.36124	24" ALUMINIZED STEEL END SECTION	EA	1.00	\$400.00	\$400.00	\$600.00	\$600.00	\$750.00	\$750.00
603.44212	12" CORR. POLYETHYLENE PIPE FOR SLOPE DRAINAGE	LF	200.00	\$65.00	\$13,000.00	\$60.00	\$12,000.00	\$74.00	\$14,800.00

Item No.	Description	Unit	Quantity	P&A E		SWETT, E. D. INC. 8 INDUSTRIAL PARK DR CONCORD, NH 03301-4512		BECK & BELLUCCI, INC. 10 SALISBURY ROAD FRANKLIN, NH 03238-0429	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
603.44215	15" CORR. POLYETHYLENE PIPE FOR SLOPE DRAINAGE	LF	60.00	\$85.00	\$4,250.00	\$70.00	\$3,500.00	\$84.00	\$4,200.00
603.80215	15" PLASTIC PIPE (SMOOTH INTERIOR)	LF	100.00	\$80.00	\$8,000.00	\$70.00	\$7,000.00	\$52.00	\$5,200.00
603.99012	12" TEMPORARY DRAINAGE PIPE	LF	45.00	\$50.00	\$2,250.00	\$75.00	\$3,375.00	\$125.00	\$5,625.00
604.0007	POLYETHYLENE LINER	EA	24.00	\$200.00	\$4,800.00	\$200.00	\$4,800.00	\$230.00	\$5,520.00
604.124	CATCH BASINS TYPE B, 4-FOOT DIAMETER	U	9.00	\$2,500.00	\$22,500.00	\$3,000.00	\$27,000.00	\$2,880.00	\$25,920.00
604.1249	TEMPORARY CATCH BASINS TYPE-B, 4-FOOT DIAMETER	U	3.00	\$2,500.00	\$7,500.00	\$4,000.00	\$12,000.00	\$4,000.00	\$12,000.00
604.242	DROP INLETS TYPE D-B	U	4.00	\$1,500.00	\$6,000.00	\$2,000.00	\$8,000.00	\$2,100.00	\$8,400.00
604.4	RECONSTRUCTING/ADJUSTING CATCH BASIN & DROP INLET	LF	70.00	\$400.00	\$28,000.00	\$500.00	\$35,000.00	\$475.00	\$33,250.00
604.72	GRATES & FRAMES, TYPE B	EA	26.00	\$400.00	\$10,400.00	\$750.00	\$19,500.00	\$415.00	\$10,790.00
605.506	6" PERF. CORR. POLYETHYLENE PIPE UNDERDRAIN	LF	1,450.00	\$30.00	\$43,500.00	\$25.00	\$36,250.00	\$31.50	\$45,675.00
605.512	12" PERF. CORR. POLYETHYLENE PIPE UNDERDRAIN	LF	560.00	\$40.00	\$22,400.00	\$35.00	\$19,600.00	\$43.75	\$24,500.00
605.515	15" PERF. CORR. POLYETHYLENE PIPE UNDERDRAIN	LF	675.00	\$50.00	\$33,750.00	\$40.00	\$27,000.00	\$50.50	\$34,087.50
605.79	UNDERDRAIN FLUSHING BASINS	EA	3.00	\$500.00	\$1,500.00	\$400.00	\$1,200.00	\$435.00	\$1,305.00
606.1208	BEAM GUARDRAIL (THREE BEAM) INCLUDING TRANSITION SECTION	LF	66.30	\$30.00	\$1,989.00	\$135.00	\$8,950.50	\$146.00	\$9,679.80
606.1254	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 3) (STEEL POST)	U	1.00	\$2,000.00	\$2,000.00	\$3,600.00	\$3,600.00	\$3,800.00	\$3,800.00
606.1255	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 2) (STEEL POST)	U	1.00	\$2,250.00	\$2,250.00	\$3,500.00	\$3,500.00	\$3,800.00	\$3,800.00
606.127	BEAM GUARDRAIL (TERMINAL UNIT TYPE G-2) (STEEL POST)	U	13.00	\$1,500.00	\$19,500.00	\$750.00	\$9,750.00	\$815.00	\$10,595.00
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	5,240.00	\$20.00	\$104,800.00	\$23.00	\$120,520.00	\$25.00	\$131,000.00
606.21208	DOUBLE-FACED BEAM GUARDRAIL (THREE BEAM) INCLUDING TRANS. SECTION	LF	66.30	\$30.00	\$1,989.00	\$185.00	\$10,939.50	\$180.00	\$11,934.00
606.28001	31" DOUBLE FACED W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	2,160.00	\$30.00	\$64,800.00	\$32.00	\$69,120.00	\$35.00	\$75,600.00
606.41231	TRANSITION SINGLE SLOPE CONCRETE BARRIER, PRECAST	U	2.00	\$3,500.00	\$7,000.00	\$5,000.00	\$10,000.00	\$5,200.00	\$10,400.00
606.41239	MODIFIED TRANSITION SINGLE SLOPE CONCRETE BARRIER PRECAST	U	2.00	\$3,000.00	\$6,000.00	\$5,000.00	\$10,000.00	\$5,200.00	\$10,400.00
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	4,050.00	\$27.00	\$109,350.00	\$40.00	\$162,000.00	\$37.00	\$149,850.00
606.41741	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL - BRIDGE	LF	1,406.00	\$100.00	\$140,600.00	\$40.00	\$56,240.00	\$94.00	\$132,164.00
606.4239	MODIFIED SINGLE SLOPE CONCRETE BARRIER, CAST-IN-PLACE	LF	218.00	\$150.00	\$32,400.00	\$250.00	\$54,000.00	\$400.00	\$86,400.00
606.9523	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 3	U	4.00	\$4,000.00	\$16,000.00	\$4,500.00	\$18,000.00	\$3,095.00	\$12,380.00
606.9612	TEMPORARY GUARDRAIL TO BARRIER TRANSITION (STEEL POST)	U	2.00	\$2,000.00	\$4,000.00	\$12,000.00	\$24,000.00	\$13,500.00	\$27,000.00
608.28	8" CONCRETE SIDEWALK (F)	SY	68.00	\$60.00	\$3,480.00	\$75.00	\$4,350.00	\$92.00	\$5,336.00
609.01	STRAIGHT GRANITE CURB	LF	140.00	\$24.00	\$3,360.00	\$45.00	\$6,300.00	\$52.00	\$7,280.00
609.214	STRAIGHT GRANITE SLOPE CURB, 4" HIGH	LF	1,700.00	\$20.00	\$34,000.00	\$22.00	\$37,400.00	\$23.00	\$39,100.00

Item No.	Description	Unit	Quantity	PS&E		SWETT, E. D. INC. 8 INDUSTRIAL PARK DR CONCORD, NH 03301-6312		BECK & BELLUCCI, INC. 18 SALISBURY ROAD FRANKLIN, NH 03233-0429	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
609.216	STRAIGHT GRANITE SLOPE CURB 6" HIGH	LF	150.00	\$25.00	\$3,750.00	\$25.25	\$3,787.50	\$28.00	\$4,200.00
609.22	STRAIGHT GRANITE SLOPE CURB WITH RADIAL JOINTS	LF	60.00	\$50.00	\$3,000.00	\$25.25	\$1,515.00	\$29.00	\$1,740.00
609.234	CURVED GRANITE SLOPE CURB 4" HIGH	LF	10.00	\$80.00	\$800.00	\$125.00	\$1,250.00	\$141.00	\$1,410.00
609.6	RESET GRANITE CURB	LF	3,950.00	\$15.00	\$59,250.00	\$15.00	\$59,250.00	\$17.00	\$67,150.00
609.811	BITUMINOUS CURB, TYPE B (4" REVEAL)	LF	900.00	\$5.00	\$4,500.00	\$9.00	\$8,100.00	\$10.00	\$9,000.00
614.331	3" STEEL CONDUIT	LF	20.00	\$43.00	\$860.00	\$40.00	\$800.00	\$43.45	\$869.00
614.523	MOLDED PULL BOX 17"X30"	EA	1.00	\$410.00	\$410.00	\$600.00	\$600.00	\$652.00	\$652.00
614.73114	3" PVC CONDUIT, SCHEDULE 40	LF	40.00	\$15.00	\$600.00	\$50.00	\$2,000.00	\$54.00	\$2,160.00
615.024	RELOCATING TRAFFIC SIGN TYPE B	U	1.00	\$230.00	\$230.00	\$200.00	\$200.00	\$515.00	\$515.00
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	225,000.00	\$1.00	\$225,000.00	\$1.00	\$225,000.00	\$1.00	\$225,000.00
618.7	FLAGGERS	HR	4,000.00	\$25.00	\$100,000.00	\$36.25	\$145,000.00	\$41.00	\$164,000.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$100,000.00	\$100,000.00	\$250,000.00	\$250,000.00	\$275,000.00	\$275,000.00
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	4.00	\$5,000.00	\$20,000.00	\$7,500.00	\$30,000.00	\$20,000.00	\$80,000.00
619.279	AUTOMATED TRAILER-MOUNTED SPEED LIMIT SIGN	U	2.00	\$7,000.00	\$14,000.00	\$15,000.00	\$30,000.00	\$10,000.00	\$20,000.00
619.63	TRUCK-MOUNTED IMPACT ATTENUATOR, TEST LEVEL 3	U	2.00	\$5,000.00	\$10,000.00	\$25,000.00	\$50,000.00	\$22,000.00	\$44,000.00
621.1	RETROREFLECTIVE MEDIAN BARRIER DELINEATOR	EA	5.00	\$5.00	\$25.00	\$10.00	\$50.00	\$20.00	\$100.00
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	140.00	\$5.00	\$700.00	\$5.00	\$700.00	\$5.45	\$763.00
621.31	SINGLE DELINEATOR WITH POST	EA	75.00	\$40.00	\$3,000.00	\$48.00	\$3,600.00	\$52.00	\$3,900.00
621.32	DOUBLE DELINEATOR WITH POST	EA	21.00	\$50.00	\$1,050.00	\$50.00	\$1,050.00	\$54.00	\$1,134.00
621.33	SINGLE DELINEATOR DOUBLE FACED WITH POST	EA	10.00	\$45.00	\$450.00	\$50.00	\$500.00	\$54.00	\$540.00
622.1	STEEL WITNESS MARKERS	EA	34.00	\$29.00	\$986.00	\$35.00	\$1,190.00	\$38.00	\$1,292.00
628.2	SAWED BITUMINOUS PAVEMENT	LF	320.00	\$2.00	\$640.00	\$3.00	\$960.00	\$3.80	\$1,216.00
632.0106	RETROREFLECTIVE PAINT PAVE. MARKING, 6" LINE	LF	68,650.00	\$0.20	\$13,730.00	\$0.25	\$17,162.50	\$0.20	\$13,730.00
632.1104	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 4" LINE	LF	13,900.00	\$1.40	\$19,460.00	\$2.00	\$27,800.00	\$1.50	\$20,850.00
632.3106	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 6" LINE	LF	350.00	\$2.00	\$700.00	\$2.00	\$700.00	\$2.17	\$759.50
632.3112	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 12" LINE	LF	2,530.00	\$3.00	\$7,590.00	\$4.00	\$10,120.00	\$3.00	\$7,590.00
632.3118	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 18" LINE	LF	20.00	\$6.25	\$125.00	\$6.00	\$120.00	\$10.50	\$210.00
632.71206	GROOVED RETROREFLECTIVE POLYUREA PAVEMENT MARKING, 6" LINE	LF	15,865.00	\$1.30	\$20,624.50	\$1.50	\$23,797.50	\$2.17	\$34,427.05
632.911	OBLITERATE PAVE. MARKING LINE, 12" WIDE & UNDER	LF	22,300.00	\$0.50	\$11,150.00	\$0.75	\$16,725.00	\$0.55	\$12,265.00
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	3,030.00	\$4.50	\$13,635.00	\$5.00	\$15,150.00	\$5.40	\$16,362.00
645.531	SILT FENCE	LF	4,910.00	\$2.60	\$12,766.00	\$2.50	\$12,275.00	\$2.75	\$13,502.50
645.7	STORM WATER POLLUTION PREVENTION PLAN	U	1.00	\$5,000.00	\$5,000.00	\$3,200.00	\$3,200.00	\$3,500.00	\$3,500.00

Item No.	Description	Unit	Quantity	PS&E		SWETT, E. O. INC. 8 INDUSTRIAL PARK DR CONCORD, NH 03301-4512		BECK & BELLUCCI, INC. 18 SALISBURY ROAD FRANKLIN, NH 03235-0429	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
645.71	MONITORING SWPPP AND EROSION AND SEDIMENT CONTROLS	HR	840.00	\$60.00	\$50,400.00	\$70.00	\$58,800.00	\$75.00	\$63,000.00
646.31	TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS	SY	7,000.00	\$2.00	\$14,000.00	\$2.50	\$17,500.00	\$2.17	\$15,190.00
647.1	HUMUS	CY	690.00	\$20.00	\$13,800.00	\$25.00	\$17,250.00	\$27.70	\$19,113.00
670.04501	CONSTRUCT AND REMOVE DIVERSION	U	1.00	\$70,000.00	\$70,000.00	\$100,000.00	\$100,000.00	\$124,000.00	\$124,000.00
670.04502	CONSTRUCT AND REMOVE DIVERSION	U	1.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$52,500.00	\$52,500.00
670.04503	CONSTRUCT AND REMOVE DIVERSION	U	1.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$38,000.00	\$38,000.00
670.104	TEMPORARY PORTABLE LIGHTING	U	3.00	\$5,000.00	\$15,000.00	\$10,000.00	\$30,000.00	\$15,000.00	\$45,000.00
677.41001	CLOSED CIRCUIT TELEVISION (CCTV) SYSTEM FOUNDATION	U	1.00	\$21,000.00	\$21,000.00	\$30,000.00	\$30,000.00	\$32,600.00	\$32,600.00
677.4101	CCTV SYSTEM	U	1.00	\$60,000.00	\$60,000.00	\$53,000.00	\$53,000.00	\$57,600.00	\$57,600.00
677.47501	ROADSIDE UNIT (RSU) WITHOUT POLE (5.9 GHZ DSRC)	U	1.00	\$32,500.00	\$32,500.00	\$38,600.00	\$38,600.00	\$42,000.00	\$42,000.00
677.54201	POLE MOUNTED ITS EQUIPMENT CABINET	U	1.00	\$12,000.00	\$12,000.00	\$23,500.00	\$23,500.00	\$25,525.00	\$25,525.00
677.6301	METER AND DISCONNECT PEDESTAL	U	1.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,300.00	\$4,300.00
677.9308	3-CONDUCTOR #8 AWG CABLE	LF	60.00	\$4.00	\$240.00	\$5.00	\$300.00	\$5.40	\$324.00
692.	MOBILIZATION	U	1.00	\$780,000.00	\$780,000.00	\$758,000.00	\$758,000.00	\$1,100,000.00	\$1,100,000.00
697.11	INVASIVE SPECIES CONTROL AND MANAGEMENT PLAN	U	1.00	\$1,200.00	\$1,200.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00
697.31	PROJECT OPERATIONS PLAN	U	1.00	\$3,000.00	\$3,000.00	\$2,500.00	\$2,500.00	\$2,700.00	\$2,700.00
697.41	CRITICAL PATH METHOD (CPM) ELECTRONIC SCHEDULE	U	1.00	\$3,500.00	\$3,500.00	\$5,000.00	\$5,000.00	\$3,500.00	\$3,500.00
698.12	FIELD OFFICE TYPE B	MON	38.00	\$1,750.00	\$68,000.00	\$2,400.00	\$88,400.00	\$2,100.00	\$75,600.00
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	25,000.00	\$1.00	\$25,000.00	\$1.00	\$25,000.00	\$1.00	\$25,000.00
1002.1	REPAIRS OR REPLACEMENTS AS NEEDED - BRIDGE STRUCTURES	\$	20,000.00	\$1.00	\$20,000.00	\$1.00	\$20,000.00	\$1.00	\$20,000.00
1008.31	ALTERATIONS AND ADDITIONS AS NEEDED - DRAINAGE ADJUSTMENTS	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00
1010.15	FUEL ADJUSTMENT	\$	70,000.00	\$1.00	\$70,000.00	\$1.00	\$70,000.00	\$1.00	\$70,000.00
1010.2	ASPHALT CEMENT ADJUSTMENT	\$	25,000.00	\$1.00	\$25,000.00	\$1.00	\$25,000.00	\$1.00	\$25,000.00
1010.3	QUALITY CONTROL QUALITY ASSURANCE (QC/QA) ASPHALT	\$	36,902.50	\$1.00	\$36,902.50	\$1.00	\$36,902.50	\$1.00	\$36,902.50
1010.41	QUALITY CONTROL QUALITY ASSURANCE (QC/QA) FOR CONCRETE	\$	19,992.00	\$1.00	\$19,992.00	\$1.00	\$19,992.00	\$1.00	\$19,992.00
1010.42	QUALITY CONTROL QUALITY ASSURANCE (QC/QA) FOR CONCRETE	\$	15,120.00	\$1.00	\$15,120.00	\$1.00	\$15,120.00	\$1.00	\$15,120.00
1010.43	QUALITY CONTROL QUALITY ASSURANCE (QC/QA) FOR CONCRETE	\$	1,134.00	\$1.00	\$1,134.00	\$1.00	\$1,134.00	\$1.00	\$1,134.00
1010.44	QUALITY CONTROL QUALITY ASSURANCE (QC/QA) FOR CONCRETE	\$	882.00	\$1.00	\$882.00	\$1.00	\$882.00	\$1.00	\$882.00
Totals:					\$8,462,542.00		\$9,764,986.00		\$11,467,681.65
AR. Totals:									
Totals:					\$8,462,542.00		\$9,764,986.00		\$11,467,681.65



PS&E Comparison

LEBANON
41191
X-A004(559)

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
Items								
201.7	SELECTIVE CLEARING AND THINNING (F)	A	.20	\$30,000.00	\$6,000.00	\$6,500.00	\$1,300.00	\$4,700.00
201.881	INVASIVE SPECIES CONTROL TYPE I	SY	2,550.00	\$1.00	\$2,550.00	\$5.50	\$14,025.00	(\$11,475.00)
201.882	INVASIVE SPECIES CONTROL TYPE II	SY	70.00	\$12.00	\$840.00	\$11.00	\$770.00	\$70.00
202.31	FILL ABANDONED PIPE	CY	3.00	\$400.00	\$1,200.00	\$150.00	\$450.00	\$750.00
202.41	REMOVAL OF EXISTING PIPE 0-24" DIAMETER	LF	120.00	\$25.00	\$3,000.00	\$10.00	\$1,200.00	\$1,800.00
202.7	REMOVAL OF GUARDRAIL	LF	8,800.00	\$3.50	\$30,800.00	\$2.00	\$17,600.00	\$13,200.00
203.1	COMMON EXCAVATION	CY	1,010.00	\$20.00	\$20,200.00	\$10.00	\$10,100.00	\$10,100.00
203.11	COMMON EXCAVATION - LRS	CY	2,100.00	\$17.50	\$36,750.00	\$15.00	\$31,500.00	\$5,250.00
203.5561	EAGRT PLATFORM PREFERRED	U	2.00	\$1,000.00	\$2,000.00	\$1,000.00	\$2,000.00	\$0.00
203.92	ROCK SCALING - MACHINE METHOD	HR	12.00	\$500.00	\$6,000.00	\$550.00	\$6,600.00	(\$600.00)
206.1	COMMON STRUCTURE EXCAVATION	CY	40.00	\$25.00	\$1,000.00	\$22.00	\$880.00	\$120.00
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	6.00	\$100.00	\$600.00	\$50.00	\$300.00	\$300.00
206.2	ROCK STRUCTURE EXCAVATION	CY	1,790.00	\$75.00	\$134,250.00	\$75.00	\$134,250.00	\$0.00
209.201	GRANULAR BACKFILL (BRIDGE) (F)	CY	40.00	\$100.00	\$4,000.00	\$40.00	\$1,600.00	\$2,400.00
214.	FINE GRADING	U	1.00	\$20,000.00	\$20,000.00	\$65,000.00	\$65,000.00	(\$45,000.00)

304.301	CRUSHED GRAVEL	CY	2.00	\$65.00	\$130.00	\$75.00	\$150.00	(\$20.00)
304.31	CRUSHED GRAVEL FOR SHIMMING	CY	170.00	\$50.00	\$8,500.00	\$40.00	\$6,800.00	\$1,700.00
304.32	CRUSHED GRAVEL FOR SHOULDER LEVELING	TON	200.00	\$60.00	\$12,000.00	\$45.00	\$9,000.00	\$3,000.00
403.11001	HOT BITUMINOUS PAVEMENT, MACHINE METHOD (QC/QA TIER 1)	TON	2,550.00	\$99.25	\$253,087.50	\$75.00	\$191,250.00	\$61,837.50
403.11002	HOT BITUMINOUS PAVEMENT, MACHINE METHOD (QC/QA TIER 2)	TON	2,200.00	\$88.00	\$193,600.00	\$75.00	\$165,000.00	\$28,600.00
403.11901	HBP - MACHINE METHOD, HIGH STRENGTH (QC/QA TIER 1)	TON	4,210.00	\$90.00	\$378,900.00	\$80.00	\$336,800.00	\$42,100.00
403.11902	HBP - MACHINE METHOD, HIGH STRENGTH (QC/QA TIER 2)	TON	500.00	\$100.00	\$50,000.00	\$90.00	\$45,000.00	\$5,000.00
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	250.00	\$300.00	\$75,000.00	\$130.00	\$32,500.00	\$42,500.00
403.4	MATERIAL TRANSFER VEHICLE (MTV)	TON	6,750.00	\$3.80	\$25,650.00	\$2.50	\$16,875.00	\$8,775.00
403.6	PAVEMENT JOINT ADHESIVE	LF	61,400.00	\$0.25	\$15,350.00	\$1.00	\$61,400.00	(\$46,050.00)
403.61	PAVEMENT JOINT ADHESIVE (BRIDGE BASE)	LF	3,880.00	\$4.00	\$15,520.00	\$2.25	\$8,730.00	\$6,790.00
403.911	HOT BITUMINOUS BRIDGE PAVEMENT, 1" BASE COURSE	TON	221.00	\$225.00	\$49,725.00	\$220.00	\$48,620.00	\$1,105.00
403.99	TEMPORARY BITUMINOUS PAVEMENT	TON	2,540.00	\$125.00	\$317,500.00	\$85.00	\$215,900.00	\$101,600.00
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	2,710.00	\$10.00	\$27,100.00	\$3.80	\$10,298.00	\$16,802.00
417.	COLD PLANING BITUMINOUS SURFACES	SY	29,500.00	\$2.50	\$73,750.00	\$2.50	\$73,750.00	\$0.00
417.416	RUMBLE STRIPS, 16" WIDE	LF	10,800.00	\$1.28	\$13,824.00	\$1.00	\$10,800.00	\$3,024.00
417.53	REMOVE AND INLAY EXISTING RUMBLE STRIPS	LF	2,600.00	\$9.00	\$23,400.00	\$2.50	\$6,500.00	\$16,900.00
502.101	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$205,000.00	\$205,000.00	\$128,966.00	\$128,966.00	\$76,034.00
502.102	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$180,000.00	\$180,000.00	\$97,089.50	\$97,089.50	\$82,910.50
502.103	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$115,000.00	\$115,000.00	\$20,000.00	\$20,000.00	\$95,000.00
502.104	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$100,000.00	\$100,000.00	\$20,000.00	\$20,000.00	\$80,000.00
503.201	COFFERDAMS	U	1.00	\$20,000.00	\$20,000.00	\$26,000.00	\$26,000.00	(\$6,000.00)

503.202	COFFERDAMS	U	1.00	\$20,000.00	\$20,000.00	\$26,000.00	\$26,000.00	(\$6,000.00)
504.1	COMMON BRIDGE EXCAVATION (F)	CY	640.00	\$50.00	\$32,000.00	\$50.00	\$32,000.00	\$0.00
504.2	ROCK BRIDGE EXCAVATION	CY	50.00	\$175.00	\$8,750.00	\$100.00	\$5,000.00	\$3,750.00
508.	STRUCTURAL FILL	CY	280.00	\$65.00	\$18,200.00	\$55.00	\$15,400.00	\$2,800.00
511.0001	CONCRETE BRIDGE DECK PAVEMENT REMOVAL (F)	SY	1,332.00	\$25.00	\$33,300.00	\$25.00	\$33,300.00	\$0.00
511.0002	CONCRETE BRIDGE DECK PAVEMENT REMOVAL (F)	SY	970.00	\$25.00	\$24,250.00	\$25.00	\$24,250.00	\$0.00
511.02	PREPARATION FOR PARTIAL DEPTH CONCRETE BRIDGE DECK REPAIRS	SY	379.00	\$250.00	\$94,750.00	\$325.00	\$123,175.00	(\$28,425.00)
511.03	PREPARATION FOR FULL DEPTH CONCRETE BRIDGE DECK REPAIRS	SY	68.00	\$750.00	\$51,000.00	\$550.00	\$37,400.00	\$13,600.00
512.0201	PREPARATION FOR CONCRETE REPAIRS, CLASS II	SY	203.00	\$500.00	\$101,500.00	\$750.00	\$152,250.00	(\$50,750.00)
520.01	CONCRETE CLASS AA	CY	32.00	\$1,000.00	\$32,000.00	\$900.00	\$28,800.00	\$3,200.00
520.0102	CONCRETE CLASS AA (QC/QA) (F)	CY	32.00	\$3,000.00	\$96,000.00	\$900.00	\$28,800.00	\$67,200.00
520.02	CONCRETE CLASS AA, ABOVE FOOTINGS (F)	CY	58.00	\$1,500.00	\$87,000.00	\$1,000.00	\$58,000.00	\$29,000.00
520.0201	CONCRETE CLASS AA, ABOVE FOOTINGS	CY	38.00	\$4,000.00	\$152,000.00	\$2,000.00	\$76,000.00	\$76,000.00
520.0302	CONCRETE CLASS AA APPROACH SLABS (QC/QA) (F)	CY	89.00	\$400.00	\$35,600.00	\$450.00	\$40,050.00	(\$4,450.00)
520.7002	CONCRETE BRIDGE DECK (QC/QA) (F)	CY	418.00	\$1,250.00	\$522,500.00	\$1,200.00	\$501,600.00	\$20,900.00
534.3	WATER REPELLENT (SILANE/SILOXANE)	GAL	131.00	\$60.00	\$7,860.00	\$110.00	\$14,410.00	(\$6,550.00)
538.2	BARRIER MEMBRANE, PEEL AND STICK - VERTICAL SURFACES (F)	SY	110.00	\$50.00	\$5,500.00	\$55.00	\$6,050.00	(\$550.00)
538.6	BARRIER MEMBRANE, HEAT WELDED - MACHINE METHOD (F)	SY	3,530.00	\$22.50	\$79,425.00	\$50.00	\$176,500.00	(\$97,075.00)
540.511	GALVANIC CORROSION PROTECTION SYSTEM (DISTRIBUTED ANODES)	LF	211.00	\$44.00	\$9,284.00	\$42.00	\$8,862.00	\$422.00
540.512	GALVANIC CORROSION PROTECTION SYSTEM (DISCRETE ANODES)	EA	856.00	\$25.00	\$21,400.00	\$30.00	\$25,680.00	(\$4,280.00)
541.5	PVC WATERSTOPS, NH TYPE 5 (F)	LF	387.50	\$10.00	\$3,875.00	\$10.00	\$3,875.00	\$0.00
544.2	REINFORCING STEEL, EPOXY COATED (F)	LB	128,550.00	\$1.50	\$192,825.00	\$1.50	\$192,825.00	\$0.00

544.21	REINFORCING STEEL, EPOXY COATED, MECHANICAL CONNECTORS (F)	LB	9,400.00	\$3.50	\$32,900.00	\$6.00	\$56,400.00	(\$23,500.00)
544.31	REINFORCING STEEL, EPOXY COATED (CONTRACTOR DETAILED)	LB	5,270.00	\$3.50	\$18,445.00	\$1.80	\$9,486.00	\$8,959.00
544.7	SYNTHETIC FIBER REINFORCEMENT (F)	LB	500.00	\$8.00	\$4,000.00	\$10.00	\$5,000.00	(\$1,000.00)
547.	SHEAR CONNECTORS (F)	EA	6,171.00	\$6.50	\$40,111.50	\$7.00	\$43,197.00	(\$3,085.50)
550.1	STRUCTURAL STEEL (F)	LB	443,560.00	\$2.60	\$1,153,256.00	\$2.20	\$975,832.00	\$177,424.00
550.19101	TEMPORARY GIRDER SUPPORT SYSTEM	U	1.00	\$35,000.00	\$35,000.00	\$24,000.00	\$24,000.00	\$11,000.00
550.19102	TEMPORARY GIRDER SUPPORT SYSTEM	U	1.00	\$25,000.00	\$25,000.00	\$16,000.00	\$16,000.00	\$9,000.00
550.201	BRIDGE SHOES (F)	EA	34.00	\$3,000.00	\$102,000.00	\$3,500.00	\$119,000.00	(\$17,000.00)
550.202	BRIDGE SHOES (F)	EA	30.00	\$2,500.00	\$75,000.00	\$3,500.00	\$105,000.00	(\$30,000.00)
556.101	PAINTING EXISTING STRUCTURAL STEEL	U	1.00	\$100,000.00	\$100,000.00	\$48,856.00	\$48,856.00	\$51,144.00
556.102	PAINTING EXISTING STRUCTURAL STEEL	U	1.00	\$80,000.00	\$80,000.00	\$35,018.00	\$35,018.00	\$44,982.00
559.41	ASPHALTIC PLUG FOR CRACK CONTROL (F)	LF	188.50	\$120.00	\$22,620.00	\$145.00	\$27,332.50	(\$4,712.50)
561.1001	PREFABRICATED STRIP SEAL EXPANSION JOINT (F)	LF	188.50	\$600.00	\$113,100.00	\$900.00	\$169,650.00	(\$56,550.00)
561.1002	PREFABRICATED STRIP SEAL EXPANSION JOINT (F)	LF	114.00	\$600.00	\$68,400.00	\$900.00	\$102,600.00	(\$34,200.00)
561.1003	PREFABRICATED STRIP SEAL EXPANSION JOINT (F)	LF	85.00	\$600.00	\$51,000.00	\$900.00	\$76,500.00	(\$25,500.00)
562.1	SILICONE JOINT SEALANT (F)	LF	264.00	\$20.00	\$5,280.00	\$20.00	\$5,280.00	\$0.00
563.233	BRIDGE RAIL T3 WITH SNOW SCREENING	LF	216.00	\$200.00	\$43,200.00	\$165.00	\$35,640.00	\$7,560.00
565.232	BRIDGE APPROACH RAIL T3 (STEEL POSTS)	U	4.00	\$6,000.00	\$24,000.00	\$5,500.00	\$22,000.00	\$2,000.00
570.4	MORTAR RUBBLE MASONRY (F)	CY	5.00	\$750.00	\$3,750.00	\$450.00	\$2,250.00	\$1,500.00
585.3	STONE FILL, CLASS C	CY	35.00	\$100.00	\$3,500.00	\$65.00	\$2,275.00	\$1,225.00
593.411	GEOTEXTILE; PERM CONTROL CL.1, NON-WOVEN	SY	150.00	\$3.50	\$525.00	\$2.50	\$375.00	\$150.00
602.60912	CLOSE-FIT PIPE LINER 12" PIPE (CONTRACTOR'S OPTION)	LF	90.00	\$200.00	\$18,000.00	\$110.00	\$9,900.00	\$8,100.00

602.60915	CLOSE-FIT PIPE LINER 15" PIPE (CONTRACTOR'S OPTION)	LF	1,375.00	\$225.00	\$309,375.00	\$130.00	\$178,750.00	\$130,625.00
602.60924	CLOSE-FIT PIPE LINER 24" PIPE (CONTRACTOR'S OPTION)	LF	230.00	\$250.00	\$57,500.00	\$150.00	\$34,500.00	\$23,000.00
603.0001	VIDEO INSPECTION	LF	850.00	\$4.00	\$3,400.00	\$2.00	\$1,700.00	\$1,700.00
603.00215	15" R.C. PIPE, 2000D	LF	490.00	\$80.00	\$39,200.00	\$190.00	\$93,100.00	(\$53,900.00)
603.00218	18" R.C. PIPE, 2000D	LF	35.00	\$150.00	\$5,250.00	\$200.00	\$7,000.00	(\$1,750.00)
603.33212	12" CORR. POLYETHYLENE END SECTION	EA	5.00	\$200.00	\$1,000.00	\$200.00	\$1,000.00	\$0.00
603.33215	15" CORR. POLYETHYLENE END SECTION	EA	2.00	\$300.00	\$600.00	\$200.00	\$400.00	\$200.00
603.36115	15" ALUMINIZED STEEL END SECTION	EA	1.00	\$350.00	\$350.00	\$400.00	\$400.00	(\$50.00)
603.36118	18" ALUMINIZED STEEL END SECTION	EA	4.00	\$500.00	\$2,000.00	\$350.00	\$1,400.00	\$600.00
603.36124	24" ALUMINIZED STEEL END SECTION	EA	1.00	\$600.00	\$600.00	\$400.00	\$400.00	\$200.00
603.44212	12" CORR. POLYETHYLENE PIPE FOR SLOPE DRAINAGE	LF	200.00	\$60.00	\$12,000.00	\$65.00	\$13,000.00	(\$1,000.00)
603.44215	15" CORR. POLYETHYLENE PIPE FOR SLOPE DRAINAGE	LF	50.00	\$70.00	\$3,500.00	\$85.00	\$4,250.00	(\$750.00)
603.80215	15" PLASTIC PIPE (SMOOTH INTERIOR)	LF	100.00	\$70.00	\$7,000.00	\$80.00	\$8,000.00	(\$1,000.00)
603.99012	12" TEMPORARY DRAINAGE PIPE	LF	45.00	\$75.00	\$3,375.00	\$50.00	\$2,250.00	\$1,125.00
604.0007	POLYETHYLENE LINER	EA	24.00	\$200.00	\$4,800.00	\$200.00	\$4,800.00	\$0.00
604.124	CATCH BASINS TYPE B, 4-FOOT DIAMETER	U	9.00	\$3,000.00	\$27,000.00	\$2,500.00	\$22,500.00	\$4,500.00
604.1249	TEMPORARY CATCH BASINS TYPE-B, 4-FOOT DIAMETER	U	3.00	\$4,000.00	\$12,000.00	\$2,500.00	\$7,500.00	\$4,500.00
604.242	DROP INLETS TYPE D-B	U	4.00	\$2,000.00	\$8,000.00	\$1,500.00	\$6,000.00	\$2,000.00
604.4	RECONSTRUCTING/ADJUSTING CATCH BASIN & DROP INLET	LF	70.00	\$500.00	\$35,000.00	\$400.00	\$28,000.00	\$7,000.00
604.72	GRATES & FRAMES, TYPE B	EA	26.00	\$750.00	\$19,500.00	\$400.00	\$10,400.00	\$9,100.00
605.506	6" PERF. CORR. POLYETHYLENE PIPE UNDERDRAIN	LF	1,450.00	\$25.00	\$36,250.00	\$30.00	\$43,500.00	(\$7,250.00)
605.512	12" PERF. CORR. POLYETHYLENE PIPE UNDERDRAIN	LF	560.00	\$35.00	\$19,600.00	\$40.00	\$22,400.00	(\$2,800.00)
605.515	15" PERF. CORR. POLYETHYLENE PIPE UNDERDRAIN	LF	675.00	\$40.00	\$27,000.00	\$50.00	\$33,750.00	(\$6,750.00)

605.79	UNDERDRAIN FLUSHING BASINS	EA	3.00	\$400.00	\$1,200.00	\$500.00	\$1,500.00	(\$300.00)
606.1208	BEAM GUARDRAIL (THRIE BEAM) INCLUDING TRANSITION SECTION	LF	66.30	\$135.00	\$8,950.50	\$30.00	\$1,989.00	\$6,961.50
606.1254	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 3) (STEEL POST)	U	1.00	\$3,600.00	\$3,600.00	\$2,000.00	\$2,000.00	\$1,600.00
606.1255	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 2) (STEEL POST)	U	1.00	\$3,500.00	\$3,500.00	\$2,250.00	\$2,250.00	\$1,250.00
606.127	BEAM GUARDRAIL (TERMINAL UNIT TYPE G-2) (STEEL POST)	U	13.00	\$750.00	\$9,750.00	\$1,500.00	\$19,500.00	(\$9,750.00)
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	5,240.00	\$23.00	\$120,520.00	\$20.00	\$104,800.00	\$15,720.00
606.21208	DOUBLE-FACED BEAM GUARDRAIL (THRIE BEAM) INCLUDING TRANS. SECTION	LF	66.30	\$165.00	\$10,939.50	\$30.00	\$1,989.00	\$8,950.50
606.28001	31" DOUBLE FACED W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	2,160.00	\$32.00	\$69,120.00	\$30.00	\$64,800.00	\$4,320.00
606.41231	TRANSITION SINGLE SLOPE CONCRETE BARRIER, PRECAST	U	2.00	\$5,000.00	\$10,000.00	\$3,500.00	\$7,000.00	\$3,000.00
606.41239	MODIFIED TRANSITION SINGLE SLOPE CONCRETE BARRIER PRECAST	U	2.00	\$5,000.00	\$10,000.00	\$3,000.00	\$6,000.00	\$4,000.00
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	4,050.00	\$40.00	\$162,000.00	\$27.00	\$109,350.00	\$52,650.00
606.41741	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL - BRIDGE	LF	1,406.00	\$40.00	\$56,240.00	\$100.00	\$140,600.00	(\$84,360.00)
606.4239	MODIFIED SINGLE SLOPE CONCRETE BARRIER, CAST-IN-PLACE	LF	216.00	\$250.00	\$54,000.00	\$150.00	\$32,400.00	\$21,600.00
606.9523	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 3	U	4.00	\$4,500.00	\$18,000.00	\$4,000.00	\$16,000.00	\$2,000.00
606.9612	TEMPORARY GUARDRAIL TO BARRIER TRANSITION (STEEL POST)	U	2.00	\$12,000.00	\$24,000.00	\$2,000.00	\$4,000.00	\$20,000.00
608.28	8" CONCRETE SIDEWALK (F)	SY	58.00	\$75.00	\$4,350.00	\$60.00	\$3,480.00	\$870.00
609.01	STRAIGHT GRANITE CURB	LF	140.00	\$45.00	\$6,300.00	\$24.00	\$3,360.00	\$2,940.00
609.214	STRAIGHT GRANITE SLOPE CURB, 4" HIGH	LF	1,700.00	\$22.00	\$37,400.00	\$20.00	\$34,000.00	\$3,400.00
609.216	STRAIGHT GRANITE SLOPE CURB 6" HIGH	LF	150.00	\$25.25	\$3,787.50	\$25.00	\$3,750.00	\$37.50
609.22	STRAIGHT GRANITE SLOPE CURB WITH RADIAL JOINTS	LF	60.00	\$25.25	\$1,515.00	\$50.00	\$3,000.00	(\$1,485.00)

609.234	CURVED GRANITE SLOPE CURB 4" HIGH	LF	10.00	\$125.00	\$1,250.00	\$80.00	\$800.00	\$450.00
609.5	RESET GRANITE CURB	LF	3,950.00	\$15.00	\$59,250.00	\$15.00	\$59,250.00	\$0.00
609.811	BITUMINOUS CURB, TYPE B (4" REVEAL)	LF	900.00	\$9.00	\$8,100.00	\$5.00	\$4,500.00	\$3,600.00
614.331	3" STEEL CONDUIT	LF	20.00	\$40.00	\$800.00	\$43.00	\$860.00	(\$60.00)
614.523	MOLDED PULL BOX 17"X30"	EA	1.00	\$600.00	\$600.00	\$410.00	\$410.00	\$190.00
614.73114	3" PVC CONDUIT, SCHEDULE 40	LF	40.00	\$50.00	\$2,000.00	\$15.00	\$600.00	\$1,400.00
615.024	RELOCATING TRAFFIC SIGN TYPE B	U	1.00	\$200.00	\$200.00	\$230.00	\$230.00	(\$30.00)
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	225,000.00	\$1.00	\$225,000.00	\$1.00	\$225,000.00	\$0.00
618.7	FLAGGERS	HR	4,000.00	\$36.25	\$145,000.00	\$25.00	\$100,000.00	\$45,000.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$250,000.00	\$250,000.00	\$100,000.00	\$100,000.00	\$150,000.00
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	4.00	\$7,500.00	\$30,000.00	\$5,000.00	\$20,000.00	\$10,000.00
619.279	AUTOMATED TRAILER-MOUNTED SPEED LIMIT SIGN	U	2.00	\$15,000.00	\$30,000.00	\$7,000.00	\$14,000.00	\$16,000.00
619.63	TRUCK-MOUNTED IMPACT ATTENUATOR, TEST LEVEL 3	U	2.00	\$25,000.00	\$50,000.00	\$5,000.00	\$10,000.00	\$40,000.00
621.1	RETROREFLECTIVE MEDIAN BARRIER DELINEATOR	EA	5.00	\$10.00	\$50.00	\$5.00	\$25.00	\$25.00
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	140.00	\$5.00	\$700.00	\$5.00	\$700.00	\$0.00
621.31	SINGLE DELINEATOR WITH POST	EA	75.00	\$48.00	\$3,600.00	\$40.00	\$3,000.00	\$600.00
621.32	DOUBLE DELINEATOR WITH POST	EA	21.00	\$50.00	\$1,050.00	\$50.00	\$1,050.00	\$0.00
621.33	SINGLE DELINEATOR DOUBLE FACED WITH POST	EA	10.00	\$50.00	\$500.00	\$45.00	\$450.00	\$50.00
622.1	STEEL WITNESS MARKERS	EA	34.00	\$35.00	\$1,190.00	\$29.00	\$986.00	\$204.00
628.2	SAWED BITUMINOUS PAVEMENT	LF	320.00	\$3.00	\$960.00	\$2.00	\$640.00	\$320.00
632.0106	RETROREFLECTIVE PAINT PAVE. MARKING, 6" LINE	LF	68,650.00	\$0.25	\$17,162.50	\$0.20	\$13,730.00	\$3,432.50
632.1104	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 4" LINE	LF	13,900.00	\$2.00	\$27,800.00	\$1.40	\$19,460.00	\$8,340.00
632.3106	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 6" LINE	LF	350.00	\$2.00	\$700.00	\$2.00	\$700.00	\$0.00

632.3112	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 12" LINE	LF	2,530.00	\$4.00	\$10,120.00	\$3.00	\$7,590.00	\$2,530.00
632.3118	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 18" LINE	LF	20.00	\$6.00	\$120.00	\$6.25	\$125.00	(\$5.00)
632.71206	GROOVED RETROREFLECTIVE POLYUREA PAVEMENT MARKING, 6" LINE	LF	15,865.00	\$1.50	\$23,797.50	\$1.30	\$20,624.50	\$3,173.00
632.911	OBLITERATE PAVE. MARKING LINE, 12" WIDE & UNDER	LF	22,300.00	\$0.75	\$16,725.00	\$0.50	\$11,150.00	\$5,575.00
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	3,030.00	\$5.00	\$15,150.00	\$4.50	\$13,635.00	\$1,515.00
645.531	SILT FENCE	LF	4,910.00	\$2.50	\$12,275.00	\$2.60	\$12,766.00	(\$491.00)
645.7	STORM WATER POLLUTION PREVENTION PLAN	U	1.00	\$3,200.00	\$3,200.00	\$5,000.00	\$5,000.00	(\$1,800.00)
645.71	MONITORING SWPPP AND EROSION AND SEDIMENT CONTROLS	HR	840.00	\$70.00	\$58,800.00	\$60.00	\$50,400.00	\$8,400.00
646.31	TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS	SY	7,000.00	\$2.50	\$17,500.00	\$2.00	\$14,000.00	\$3,500.00
647.1	HUMUS	CY	690.00	\$25.00	\$17,250.00	\$20.00	\$13,800.00	\$3,450.00
670.04501	CONSTRUCT AND REMOVE DIVERSION	U	1.00	\$100,000.00	\$100,000.00	\$70,000.00	\$70,000.00	\$30,000.00
670.04502	CONSTRUCT AND REMOVE DIVERSION	U	1.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$0.00
670.04503	CONSTRUCT AND REMOVE DIVERSION	U	1.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$0.00
670.104	TEMPORARY PORTABLE LIGHTING	U	3.00	\$10,000.00	\$30,000.00	\$5,000.00	\$15,000.00	\$15,000.00
677.41001	CLOSED CIRCUIT TELEVISION (CCTV) SYSTEM FOUNDATION	U	1.00	\$30,000.00	\$30,000.00	\$21,000.00	\$21,000.00	\$9,000.00
677.4101	CCTV SYSTEM	U	1.00	\$53,000.00	\$53,000.00	\$60,000.00	\$60,000.00	(\$7,000.00)
677.47501	ROADSIDE UNIT (RSU) WITHOUT POLE (5.9 GHZ DSRC)	U	1.00	\$38,600.00	\$38,600.00	\$32,500.00	\$32,500.00	\$6,100.00
677.54201	POLE MOUNTED ITS EQUIPMENT CABINET	U	1.00	\$23,500.00	\$23,500.00	\$12,000.00	\$12,000.00	\$11,500.00
677.6301	METER AND DISCONNECT PEDESTAL	U	1.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$0.00
677.9308	3-CONDUCTOR #8 AWG CABLE	LF	60.00	\$5.00	\$300.00	\$4.00	\$240.00	\$60.00
692.	MOBILIZATION	U	1.00	\$756,000.00	\$756,000.00	\$760,000.00	\$760,000.00	(\$4,000.00)
697.11	INVASIVE SPECIES CONTROL AND MANAGEMENT PLAN	U	1.00	\$1,000.00	\$1,000.00	\$1,200.00	\$1,200.00	(\$200.00)

697.31	PROJECT OPERATIONS PLAN	U	1.00	\$2,500.00	\$2,500.00	\$3,000.00	\$3,000.00	(\$500.00)
697.41	CRITICAL PATH METHOD (CPM) ELECTRONIC SCHEDULE	U	1.00	\$5,000.00	\$5,000.00	\$3,500.00	\$3,500.00	\$1,500.00
698.12	FIELD OFFICE TYPE B	MON	36.00	\$2,400.00	\$86,400.00	\$1,750.00	\$63,000.00	\$23,400.00
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	\$	20,000.00	\$1.00	\$20,000.00	\$1.00	\$20,000.00	\$0.00
1008.31	ALTERATIONS AND ADDITIONS AS NEEDED - DRAINAGE ADJUSTMENTS	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00	\$0.00
1010.15	FUEL ADJUSTMENT	\$	70,000.00	\$1.00	\$70,000.00	\$1.00	\$70,000.00	\$0.00
1010.2	ASPHALT CEMENT ADJUSTMENT	\$	25,000.00	\$1.00	\$25,000.00	\$1.00	\$25,000.00	\$0.00
1010.3	QUALITY CONTROL QUALITY ASSURANCE (QC/QA) ASPHALT	\$	36,902.50	\$1.00	\$36,902.50	\$1.00	\$36,902.50	\$0.00
1010.41	QUALITY CONTROL QUALITY ASSURANCE (QC/QA) FOR CONCRETE	\$	19,992.00	\$1.00	\$19,992.00	\$1.00	\$19,992.00	\$0.00
1010.42	QUALITY CONTROL QUALITY ASSURANCE (QC/QA) FOR CONCRETE	\$	15,120.00	\$1.00	\$15,120.00	\$1.00	\$15,120.00	\$0.00
1010.43	QUALITY CONTROL QUALITY ASSURANCE (QC/QA) FOR CONCRETE	\$	1,134.00	\$1.00	\$1,134.00	\$1.00	\$1,134.00	\$0.00
1010.44	QUALITY CONTROL QUALITY ASSURANCE (QC/QA) FOR CONCRETE	\$	882.00	\$1.00	\$882.00	\$1.00	\$882.00	\$0.00
Total:					\$9,764,986.00	\$8,462,542.00	\$1,302,444.00	

July 10, 2019

SUPPLEMENTAL PROJECT INFORMATION SHEET

DESCRIPTION: This project consists of the rehabilitation of the I-89 NB, SB bridges over US Route 4 (Br. No. 093/109 Redlist, 094/108) at Exit 19; bridge preservation work on the I-89 NB, SB bridges over the Mascoma River and truck road (Br. No. 097/112, 198/111); the rehabilitation of the I-89 pavement, drainage, and guardrail from approximately MM 58.0 (at the RR overpass bridge) to MM 58.5 (at the Poverty Lane overpass bridge); and the reconstruction of the I-89 pavement on Exit 19 NB Off- and On-Ramps (note that no work will be done on the SB ramps). Work on the US Route 4 overpass bridges includes construction of a new widened bridge median joining the NB and SB bridges to allow for maintenance of traffic during reconstruction of the existing bridges; full superstructure replacement of the existing bridges (i.e. girders, deck, bridge rail, bearings, and expansion joints), and abutment repairs. Work on the I-89 bridges over the Mascoma River/truck road includes partial- and full-depth deck repairs, expansion joint replacement, barrier membrane installation, backwall/pilaster repairs, and replacement of the bridge shoes at the abutments. Both I-89/Mascoma River bridge structural steel will be repainted at the abutment ends, which includes environmental protection and compliance with lead-bearing paint (LBP) removal regulations. Additional work also includes installing a CCTV pole and equipment in the Exit 19 SB Off Ramp infield. This project will remove Br. No. 093/109 from the State's Red List.

FEDERAL FUNDING: 80% Federal, 20% State for roadway improvements (4R work).
Bridge work will be paid with 100% State funds; \$7.45 Million will be paid from HB 1817 funds.

CONTINGENCY: The contingency amount is proposed to be 5% of the contract amount to account for payment for latent conditions which may appear during construction of the project. The following factors involve higher risks that can potentially increase costs: complicated traffic control plan due to high traffic volumes and phased roadway, and bridge construction; the preservation work on both bridges over the Mascoma river 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: State's Ten-Year Transportation Improvement Plan.

PROJECT EXPLANATION: The existing US4/NH10 bridges, built in 1966, are single-span structures consisting of steel I-beam girders and concrete decks and have total lengths of approximately 115 feet. The NB bridge's current condition rating is Deck: 4, Superstructure: 6, Substructure: 6. This bridge is structurally deficient, and has been on the State's Red List since 2009, and is #53 on the 2017 R&R Priority list. The SB bridge's current condition rating is Deck: 6, Superstructure: 7, Substructure: 5, it is #77 on the 2017 R&R Priority List. The existing Mascoma River bridges, also built in 1966, are three span structures consisting of steel I-beam girders and concrete decks with a total length of approximately 230 feet. Both bridges have current condition ratings of Deck: 6, Superstructure: 6, Substructure: 6. Proposed improvements will remove one bridge from the state's Red List, and extend the overall life and function of the bridges.

TRAFFIC IMPLICATION: Two lanes of traffic are to be maintained in each direction throughout construction. Median crossover/diversion utilizing a widened bridge for US 4 bridges with traffic control will begin at Mascoma River Bridges.

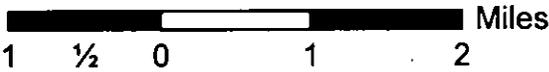
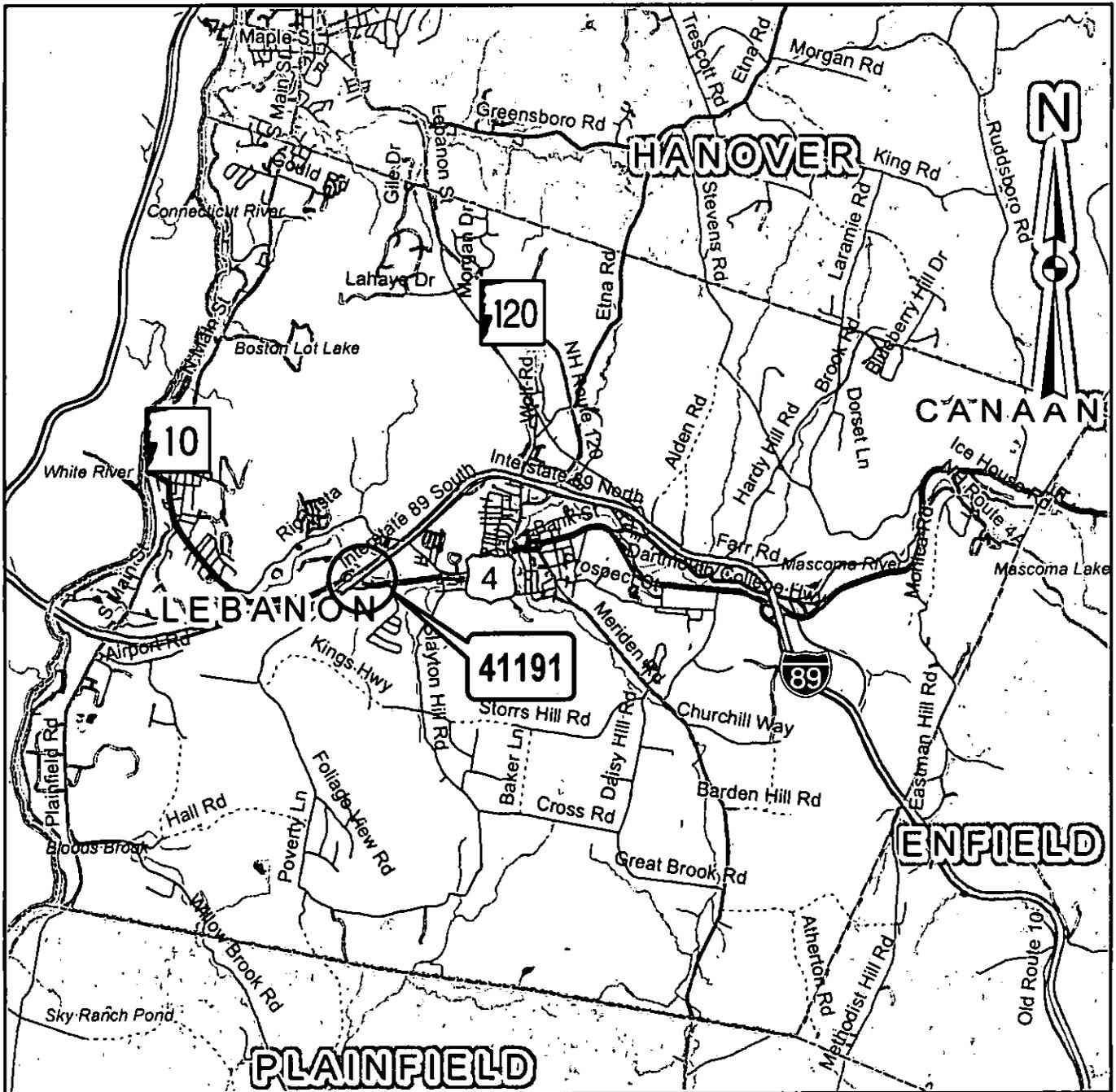
Temporary short-term ramp closures may be permitted during off-peak hours with approval of the Contract Administrator.

The Exit 19 NB off ramp will require closure for a maximum of four (4) consecutive weeks while work is being performed on the north side of the NB Bridge over the Mascoma River. NB traffic will be detoured to exit the interstate at Exit 20 and then to back onto I-89 SB to exit the interstate at Exit 19.

The Exit 19 NB on ramp will require closure for a maximum of one week. This work shall coincide with the exit 19 NB off ramp closure. NB on traffic will be detoured SB on the interstate to Exit 18 SB off and routed to the Exit 18 NB on ramp.

COMPLETION DATE: October 14, 2022.

LEBANON - I-89



LEGEND

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

New Hampshire
DOT
 Department of Transportation

State #: 41191
 Federal #: X-A004 (559)

LOCATION MAP



ACORD™

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
8/28/2019

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 Insurance Services LLC 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 N.H.- Dept. of Transportation c/o E. D. Swett, Inc. 8 Industrial Park Drive Concord, NH 03301	INSURER(S) AFFORDING COVERAGE NAIC #	
	INSURER A : Travelers Indemnity Company 25658	
	INSURER B :	
	INSURER C :	
	INSURER D :	
	INSURER E :	

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 type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:		PRS7H633415IND	08/29/2019	08/29/2022	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 \$ COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS ONLY					EACH OCCURRENCE \$ AGGREGATE \$
	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$					PER STATUTE OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
	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					

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
 RE: Lebanon X-A004(559)41191

CERTIFICATE HOLDER State of New Hampshire Department of Transportation 7 Hazen Drive P.O. Box 483 Concord, NH 03301-0483	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 Note</i>
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