



THE STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION



178 Beane

CHRISTOPHER D. CLEMENT, SR.
COMMISSIONER

JEFF BRILLHART, P.E.
ASSISTANT COMMISSIONER

Bureau of Construction
May 20, 2014

Her Excellency, Governor Margaret Wood Hassan
and the Honorable Council
State House
Concord, New Hampshire 03301

REQUESTED ACTION

1. Authorize the Department of Transportation to enter into a contract with R.S. Audley, Inc. (Vendor 154222) of Bow, NH on the basis of a low bid of \$8,943,584.35 for replacing the structurally deficient bridge carrying US 4 over both the Mascoma River and the Northern Rail Trail Corridor in Lebanon, from the date of Governor and Council approval through June 24, 2016 unless extended by the Department in accordance with the Standard Specifications. 100% Federal Funds.

Funding is available as follows:
04-96-96-963515-3054
Consolidated Federal Aid
400-500870 Highway Contract Payments \$8,943,584.35

2. Further authorize that a contingency in the amount of \$447,179.22 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:
04-96-96-963515-3054
Consolidated Federal Aid
400-500870 Highway Contract Payments \$447,179.22

EXPLANATION

This project is part of the State's Ten Year Plan. The project involves replacing the red list bridge (priority #4) with a new 3 span, 435' long structure over the Mascoma River and Northern Rail Trail. The project consists of constructing a new bridge offline to the east of the existing bridge, reconstructing the existing intersection of US 4 and NH 4A to remove a sight line obstructions, and constructing approximately 3000 feet of roadway approach work. The roadway work involves adding a right turn lane on the US 4 eastbound approach, widening the shoulder on the westbound side of US 4 at Mill Road, reconfiguring of the intersection of Sunset Rock Road with US 4 to improve safety, and stabilizing the river bank and slopes on the south and north sides of the bridge. Significant drainage improvements include separation of roadway runoff from off-site runoff for treatment via detention basins, installation of slope drain systems along the southwest embankment of US 4, construction of both berm and roadside ditches, as well as underdrain installation.

The contingency amount is proposed to be 5% of the contract amount to account for: an extensive amount of bridge work, the fact that the project will extend over two construction seasons, traffic control associated with the project, and the presence of hazardous materials (soils) which will increase the risk of overruns.

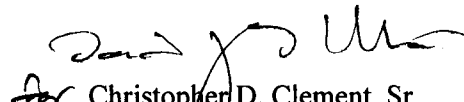
Although the bid costs exceeded the Department's estimate, the low bid is felt to be reasonable for the work involved. Several bid items for roadway items (gravel, stone fill, temporary access, drainage) were uniformly higher than the Department estimated attributed to the fact that, while these earthwork items are substantial, they are associated as part of bridge replacement work and should have been estimated accordingly. 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. 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,

  
Christopher D. Clement, Sr.  
Commissioner

CDC/md

Department Estimate: \$8,625,591.79  
Contract Amount: \$8,943,584.35  
Over Estimate: \$ 317,992.56

Attachments

March 12, 2014

## SUPPLEMENTAL PROJECT INFORMATION SHEET

**DESCRIPTION:** This project will replace the structurally deficient bridge (No. 188/126) carrying US 4 over both the Mascoma River and the Northern Rail Trail Corridor. Due to its proximity, the US 4 / NH 4A / Mill Road intersection to the south of the bridge will be reconstructed. The work begins approximately 1.6 miles east of Exit 17 on I-89 in Lebanon, and continues 3,000 feet eastbound towards Enfield.

**FEDERAL FUNDING:** Construction funding is 80% Federal Funding utilizing Turnpike Toll credits as the State's 20% match.

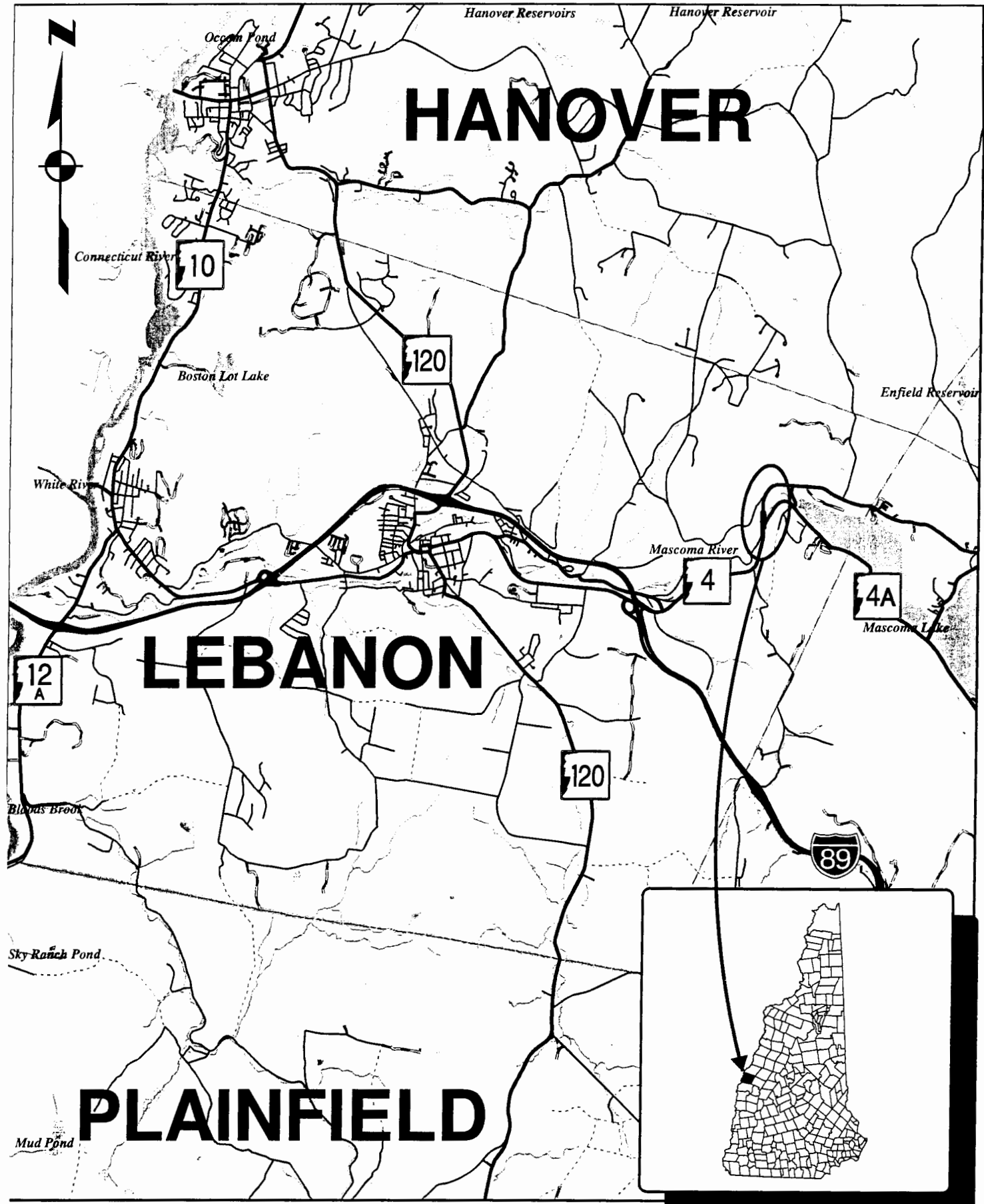
**CONTINGENCY:** A contingency amount of 5% of the contract amount is proposed to account for: an extensive amount of bridgework, the fact that the project will extend over two construction seasons, traffic control associated with the project, and the presence of hazardous materials (soils) which will increase the risk of overruns.

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

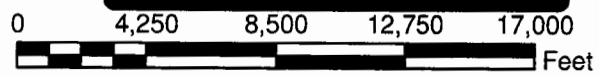
**PROJECT EXPLANATION:** The project consists of constructing a new bridge offline, to the east of the existing bridge, reconstruction of the existing intersection to remove a sight line obstruction and the addition of a right turn lane on the US 4 eastbound approach, as well as the widened shoulder on the westbound side of US 4 at Mill Road. Also included is the reconfiguration of the intersection of Sunset Rock Road with US 4 to improve safety. Significant drainage improvements include separation of roadway runoff from off-site runoff for treatment via detention basins, installation of slope drain systems along the southwest embankment of US 4, construction of both berm and roadside ditches, as well as underdrain installation. Additionally the stabilization of 100 feet of each riverbank, as well as 350 feet and 170 feet of slope on the south and north sides of the bridge, respectively, beneath the proposed bridge and extending across the re-graded existing abutment/pier areas is included.

**TRAFFIC IMPLICATIONS:** The Department anticipates this realignment of the corridor using alternating one-way traffic and is requiring that drainage and paving efforts within the travel way be completed during night and off peak day time hours and utilizing lane closures with alternating one-way traffic. A majority of the work proposed including the bridge can be constructed offline, minimizing traffic interruptions. The project includes Flaggers and Uniformed Officers with Vehicle for traffic control and rail trail diversions, closures and detours.

**COMPLETION DATE:** June 24, 2016



**LEBANON 13951**



Project includes bridge Replacement of the US 4 bridge over Mascoma River and rail trail.  
 Project also included will be improvements to the intersection of US 4 and NH 4A.  
 Project limits are approximately 1,500 feet either side of the bridge over the Mascoma River.

**State of New Hampshire  
Department of Transportation**

13951.01

**Project:** LEBANON X-A000(141) 13951

**County and Code:** GRAFTON COUNTY 009

**Date Bids Open:** April 30, 2014

**Scope of Work:** BRIDGE REPLACEMENT

**Location:** US 4 OVER BOTH THE MASCOMA RIVER AND THE  
NORTHERN RAIL TRAIL CORRIDOR

**Completion Date:** June 24, 2016

A R. S. AUDLEY, INC. 609 ROUTE 3A, BOW, NH 03304	\$8,943,584.35
B BECK & BELLUCCI, INC. PO BOX 429, 10 SALISBURY ROAD FRANKLIN, NH 03235	\$9,089,746.46
C REED & REED, INC. PO BOX 370 WOOLWICH, ME 04579	\$9,489,693.32
D E. D. SWETT, INC. 8 INDUSTRIAL PARK DR. CONCORD, NH 03301	\$9,539,376.97
E R.M. PIPER, INC. PO BOX 490, PLYMOUTH, NH 03264	\$11,392,328.42

Item No:	Description	Unit	Quantity	A		B		C	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
201.1	CLEARING AND GRUBBING (F)	A	3.30	\$12,000.00	\$39,600.00	\$11,083.00	\$36,573.90	\$10,000.00	\$33,000.00
201.881	INVASIVE SPECIES CONTROL TYPE I	SY	140.00	\$10.00	\$1,400.00	\$6.06	\$848.40	\$10.00	\$1,400.00
201.882	INVASIVE SPECIES CONTROL TYPE II	SY	55.00	\$20.00	\$1,100.00	\$6.61	\$363.55	\$15.00	\$825.00
202.31	FILL ABANDONED PIPE	CY	20.00	\$175.00	\$3,500.00	\$131.26	\$2,625.20	\$125.00	\$2,500.00
202.41	REMOVAL OF EXISTING PIPE 0-24" DIAMETER	LF	590.00	\$8.00	\$4,720.00	\$11.06	\$6,525.40	\$10.00	\$5,900.00
202.5	REMOVAL OF CATCH BASINS, DROP INLETS, AND MANHOLES	EA	4.00	\$425.00	\$1,700.00	\$164.51	\$658.04	\$250.00	\$1,000.00
202.7	REMOVAL OF GUARDRAIL	LF	825.00	\$1.00	\$825.00	\$1.05	\$866.25	\$1.00	\$825.00
202.742	REMOVAL OF CONCRETE BARRIER (SALVAGE TO DEPARTMENT)	LF	220.00	\$13.00	\$2,860.00	\$7.31	\$1,608.20	\$3.00	\$660.00
202.851	REMOVAL OF FLASHING BEACONS	U	1.00	\$6,200.00	\$6,200.00	\$6,500.00	\$6,500.00	\$6,200.00	\$6,200.00
203.1	COMMON EXCAVATION	CY	44,333.00	\$4.50	\$199,498.50	\$9.00	\$398,997.00	\$7.00	\$310,331.00
203.2	ROCK EXCAVATION	CY	825.00	\$30.00	\$24,750.00	\$25.00	\$20,625.00	\$25.00	\$20,625.00
203.37	SEGREGATING AND REHANDLING, NON-CONTAMINATED SOILS	CY	100.00	\$30.00	\$3,000.00	\$20.00	\$2,000.00	\$10.00	\$1,000.00
203.53	LOW PERMEABILITY FILL (F)	CY	1,000.00	\$12.00	\$12,000.00	\$22.10	\$22,100.00	\$12.00	\$12,000.00
203.5540	GUARDRAIL TAPERED RAIL PLATFORM	LF	25.00	\$23.00	\$575.00	\$18.00	\$450.00	\$20.00	\$500.00
203.5554	GUARDRAIL 50' EAGRT PLATFORM	U	4.00	\$1,000.00	\$4,000.00	\$1,250.00	\$5,000.00	\$900.00	\$3,600.00
203.55541	GUARDRAIL 50' EAGRT PLATFORM ALTERNATE	U	2.00	\$1,000.00	\$2,000.00	\$1,250.00	\$2,500.00	\$900.00	\$1,800.00
203.6	EMBANKMENT-IN-PLACE (F)	CY	7,300.00	\$4.50	\$32,850.00	\$5.00	\$36,500.00	\$5.00	\$36,500.00
203.63	MODIFIED EMBANKMENT-IN-PLACE	CY	4,400.00	\$8.00	\$35,200.00	\$13.85	\$60,940.00	\$12.00	\$52,800.00
206.1	COMMON STRUCTURE EXCAVATION	CY	6,704.00	\$12.00	\$80,448.00	\$7.85	\$52,626.40	\$8.00	\$53,632.00

Item No:	Description	Unit	A			B			C		
			Quantity	Unit Price	Total	Unit Price	Total	Unit Price	Total		
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	90.00	\$95.00	\$8,550.00	\$55.00	\$4,950.00	\$50.00	\$4,500.00		
206.2	ROCK STRUCTURE EXCAVATION	CY	400.00	\$50.00	\$20,000.00	\$37.75	\$15,100.00	\$50.00	\$20,000.00		
209.201	GRANULAR BACKFILL (BRIDGE) (F)	CY	2,030.00	\$34.00	\$69,020.00	\$33.95	\$68,918.50	\$25.00	\$50,750.00		
209.411	MODIFIED GRANULAR BACKFILL (GRAVEL)	CY	1,800.00	\$25.00	\$45,000.00	\$22.45	\$40,410.00	\$30.00	\$54,000.00		
214	FINE GRADING	U	1.00	\$50,000.00	\$50,000.00	\$33,925.00	\$33,925.00	\$10,000.00	\$10,000.00		
304.2	GRAVEL (F)	CY	10,800.00	\$24.00	\$259,200.00	\$25.40	\$274,320.00	\$18.00	\$194,400.00		
304.32	CRUSHED GRAVEL FOR SHOULDER LEVELING	TON	100.00	\$26.00	\$2,600.00	\$27.50	\$2,750.00	\$25.00	\$2,500.00		
304.4	CRUSHED STONE (FINE GRADATION) (F)	CY	7,500.00	\$30.00	\$225,000.00	\$29.75	\$223,125.00	\$22.00	\$165,000.00		
403.11002	HOT BITUMINOUS PAVEMENT, MACHINE METHOD (QC/QA TIER 2)	TON	5,700.00	\$70.00	\$399,000.00	\$74.55	\$424,935.00	\$77.00	\$438,900.00		
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	110.00	\$125.00	\$13,750.00	\$126.00	\$13,860.00	\$125.00	\$13,750.00		
403.4	MATERIAL TRANSFER VEHICLE (MTV)	TON	1,500.00	\$2.00	\$3,000.00	\$3.70	\$5,550.00	\$4.00	\$6,000.00		
403.6	PAVEMENT JOINT ADHESIVE	LF	31,140.00	\$0.30	\$9,342.00	\$0.45	\$14,013.00	\$0.50	\$15,570.00		
403.911	HOT BITUMINOUS BRIDGE PAVEMENT, 1" BASE COURSE (F)	TON	88.00	\$175.00	\$15,400.00	\$157.50	\$13,860.00	\$145.00	\$12,760.00		
403.99	TEMPORARY BITUMINOUS PAVEMENT	TON	900.00	\$85.00	\$76,500.00	\$85.00	\$76,500.00	\$72.00	\$64,800.00		
417	COLD PLANING BITUMINOUS SURFACES	SY	1,400.00	\$6.00	\$8,400.00	\$6.50	\$9,100.00	\$6.00	\$8,400.00		
500.02	ACCESS FOR BRIDGE CONSTRUCTION	U	1.00	\$150,000.00	\$150,000.00	\$175,000.00	\$175,000.00	\$100,000.00	\$100,000.00		
502.101	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$72,000.00	\$72,000.00	\$79,115.00	\$79,115.00	\$100,000.00	\$100,000.00		
502.102	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$200,000.00	\$200,000.00	\$253,000.00	\$253,000.00	\$200,000.00	\$200,000.00		

Item No:	Description	A			B			C		
		Unit	Quantity	Unit Price	Total	Unit Price	Total	Unit Price	Total	
503.201	COFFERDAMS	U	1.00	\$45,000.00	\$45,000.00	\$20,600.00	\$20,600.00	\$30,000.00	\$30,000.00	
503.202	COFFERDAMS	U	1.00	\$50,000.00	\$50,000.00	\$41,500.00	\$41,500.00	\$40,000.00	\$40,000.00	
503.203	COFFERDAMS	U	1.00	\$10,000.00	\$10,000.00	\$30,000.00	\$30,000.00	\$110,000.00	\$110,000.00	
503.301	COFFERDAMS WITH SHEETING LEFT-IN-PLACE	U	1.00	\$180,000.00	\$180,000.00	\$203,500.00	\$203,500.00	\$240,000.00	\$240,000.00	
503.302	COFFERDAMS WITH SHEETING LEFT-IN-PLACE	U	1.00	\$180,000.00	\$180,000.00	\$203,500.00	\$203,500.00	\$300,000.00	\$300,000.00	
504.1	COMMON BRIDGE EXCAVATION (F)	CY	4,723.00	\$18.00	\$85,014.00	\$22.00	\$103,906.00	\$20.00	\$94,460.00	
504.2	ROCK BRIDGE EXCAVATION	CY	50.00	\$60.00	\$3,000.00	\$90.00	\$4,500.00	\$90.00	\$4,500.00	
508	STRUCTURAL FILL	CY	680.00	\$41.00	\$27,880.00	\$40.00	\$27,200.00	\$35.00	\$23,800.00	
520.01	CONCRETE CLASS AA	CY	25.00	\$450.00	\$11,250.00	\$400.00	\$10,000.00	\$900.00	\$22,500.00	
520.0302	CONCRETE CLASS AA APPROACH SLABS (QC/QA)(F)	CY	92.00	\$400.00	\$36,800.00	\$300.00	\$27,600.00	\$550.00	\$50,600.00	
520.1	CONCRETE CLASS A	CY	14.00	\$1,500.00	\$21,000.00	\$940.00	\$13,160.00	\$800.00	\$11,200.00	
520.12	CONCRETE CLASS A, ABOVE FOOTINGS (F)	CY	1,654.00	\$475.00	\$785,650.00	\$494.00	\$817,076.00	\$775.00	\$1,281,850.00	
520.213	CONCRETE CLASS B, FOOTINGS (ON SOIL) (F)	CY	743.00	\$300.00	\$222,900.00	\$296.00	\$219,928.00	\$375.00	\$278,625.00	
520.70026	CONCRETE BRIDGE DECK (QC/QA)(PANEL OPTION)(F)	CY	871.00	\$600.00	\$522,600.00	\$770.00	\$670,670.00	\$750.00	\$653,250.00	
534.3	WATER REPELLENT (SILANE/SILOXANE)	GAL	195.00	\$65.00	\$12,675.00	\$50.00	\$9,750.00	\$90.00	\$17,550.00	
538.2	BARRIER MEMBRANE, PEEL AND STICK - VERTICAL SURFACES (F)	SY	50.00	\$50.00	\$2,500.00	\$40.00	\$2,000.00	\$50.00	\$2,500.00	
538.6	BARRIER MEMBRANE, HEAT WELDED - MACHINE METHOD (F)	SY	1,568.00	\$16.25	\$25,480.00	\$17.30	\$27,126.40	\$17.00	\$26,656.00	
541.1	PVC WATERSTOPS, NH TYPE 1 (F)	LF	97.00	\$6.00	\$582.00	\$5.00	\$485.00	\$10.00	\$970.00	
541.4	PVC WATERSTOPS, NH TYPE 4 (F)	LF	72.00	\$9.00	\$648.00	\$10.00	\$720.00	\$10.00	\$720.00	
544	REINFORCING STEEL (F)	LB	185,201.00	\$1.40	\$259,281.40	\$0.96	\$177,792.96	\$0.90	\$166,680.90	



Item No:	Description	Unit	A			B			C		
			Quantity	Unit Price	Total	Unit Price	Total	Unit Price	Total		
544.1	REINFORCING STEEL (ROADWAY)	LB	150.00	\$1.40	\$210.00	\$1.00	\$150.00	\$1.00	\$150.00	\$1.00	\$150.00
544.2	REINFORCING STEEL, EPOXY COATED (F)	LB	231,756.00	\$1.10	\$254,931.60	\$1.09	\$252,614.04	\$1.00	\$231,756.00	\$1.00	\$231,756.00
544.7	SYNTHETIC FIBER REINFORCEMENT (F)	LB	644.00	\$6.50	\$4,186.00	\$6.70	\$4,314.80	\$7.00	\$4,508.00	\$7.00	\$4,508.00
547	SHEAR CONNECTORS (F)	EA	9,195.00	\$5.30	\$48,733.50	\$5.18	\$47,630.10	\$4.00	\$36,780.00	\$4.00	\$36,780.00
548.21	ELASTOMERIC BEARING ASSEMBLIES (F)	EA	5.00	\$2,300.00	\$11,500.00	\$2,800.00	\$14,000.00	\$3,100.00	\$15,500.00	\$3,100.00	\$15,500.00
548.22	ELASTOMERIC BEARING ASSEMBLIES (F)	EA	5.00	\$2,650.00	\$13,250.00	\$3,200.00	\$16,000.00	\$3,400.00	\$17,000.00	\$3,400.00	\$17,000.00
548.23	ELASTOMERIC BEARING ASSEMBLIES (F)	EA	5.00	\$1,500.00	\$7,500.00	\$1,825.00	\$9,125.00	\$2,200.00	\$11,000.00	\$2,200.00	\$11,000.00
550.1	STRUCTURAL STEEL (F)	LB	859,934.00	\$1.28	\$1,100,715.52	\$1.43	\$1,229,705.62	\$1.53	\$1,315,699.02	\$1.53	\$1,315,699.02
550.2	BRIDGE SHOES (F)	EA	5.00	\$4,500.00	\$22,500.00	\$4,420.00	\$22,100.00	\$5,000.00	\$25,000.00	\$5,000.00	\$25,000.00
561.101	PREFABRICATED STRIP SEAL EXPANSION JOINT (F)	LF	73.00	\$500.00	\$36,500.00	\$520.00	\$37,960.00	\$650.00	\$47,450.00	\$650.00	\$47,450.00
561.301	PREFABRICATED EXPANSION JOINT, FINGER JOINT (F)	LF	73.00	\$1,100.00	\$80,300.00	\$1,250.00	\$91,250.00	\$1,400.00	\$102,200.00	\$1,400.00	\$102,200.00
562.1	SILICONE JOINT SEALANT (F)	LF	79.00	\$20.00	\$1,580.00	\$20.00	\$1,580.00	\$10.00	\$790.00	\$10.00	\$790.00
563.24	BRIDGE RAIL T4	LF	660.00	\$135.00	\$89,100.00	\$139.00	\$91,740.00	\$130.00	\$85,800.00	\$130.00	\$85,800.00
563.241	BRIDGE RAIL T4 WITH PROTECTIVE SCREENING	LF	224.00	\$190.00	\$42,560.00	\$212.50	\$47,600.00	\$200.00	\$44,800.00	\$200.00	\$44,800.00
565.242	BRIDGE APPROACH RAIL T4 (STEEL POSTS)	U	4.00	\$5,000.00	\$20,000.00	\$5,825.00	\$23,300.00	\$5,600.00	\$22,400.00	\$5,600.00	\$22,400.00
585.2	STONE FILL, CLASS B	CY	1,950.00	\$40.00	\$78,000.00	\$33.00	\$64,350.00	\$35.00	\$68,250.00	\$35.00	\$68,250.00
585.21	STONE FILL, CLASS B (BRIDGE)	CY	410.00	\$43.00	\$17,630.00	\$37.45	\$15,354.50	\$35.00	\$14,350.00	\$35.00	\$14,350.00
585.3	STONE FILL, CLASS C	CY	5,200.00	\$34.00	\$176,800.00	\$31.35	\$163,020.00	\$35.00	\$182,000.00	\$35.00	\$182,000.00
587.1	KEYED STONE FILL	CY	376.00	\$42.00	\$15,792.00	\$37.45	\$14,081.20	\$40.00	\$15,040.00	\$40.00	\$15,040.00
593.411	GEOTEXTILE: PERM CONTROL CL.1, NON-WOVEN	SY	4,550.00	\$3.50	\$15,925.00	\$2.00	\$9,100.00	\$2.00	\$9,100.00	\$2.00	\$9,100.00

Item No:	Description	A			B			C		
		Unit	Quantity	Unit Price	Total	Unit Price	Total	Unit Price	Total	
593.421	GEOTEXTILE; PERM CONTROL CL.2, NON-WOVEN	SY	1,850.00	\$3.50	\$6,475.00	\$2.00	\$3,700.00	\$2.00	\$3,700.00	
603.0001	VIDEO INSPECTION	LF	10,100.00	\$0.70	\$7,070.00	\$1.00	\$10,100.00	\$0.75	\$7,575.00	
603.00212	12" R.C. PIPE, 2000D	LF	45.00	\$43.00	\$1,935.00	\$46.40	\$2,088.00	\$45.00	\$2,025.00	
603.00215	15" R.C. PIPE, 2000D	LF	300.00	\$44.00	\$13,200.00	\$82.10	\$24,630.00	\$50.00	\$15,000.00	
603.00224	24" R.C. PIPE, 2000D	LF	270.00	\$54.00	\$14,580.00	\$90.00	\$24,300.00	\$70.00	\$18,900.00	
603.00336	36" R.C. PIPE, 3000D	LF	40.00	\$93.00	\$3,720.00	\$132.15	\$5,286.00	\$110.00	\$4,400.00	
603.34112	12" STEEL END SECTIONS	EA	3.00	\$225.00	\$675.00	\$210.00	\$630.00	\$200.00	\$600.00	
603.34115	15" STEEL END SECTIONS	EA	2.00	\$245.00	\$490.00	\$235.00	\$470.00	\$225.00	\$450.00	
603.82115	15" PE PIPE (TYPE C)	LF	70.00	\$56.00	\$3,920.00	\$30.50	\$2,135.00	\$35.00	\$2,450.00	
603.82118	18" PE PIPE (TYPE C)	LF	155.00	\$58.00	\$8,990.00	\$31.10	\$4,820.50	\$37.00	\$5,735.00	
603.82124	24" PE PIPE (TYPE C)	LF	950.00	\$70.00	\$66,500.00	\$49.85	\$47,357.50	\$50.00	\$47,500.00	
603.82212	12" PE PIPE (TYPE S)	LF	220.00	\$56.00	\$12,320.00	\$31.60	\$6,952.00	\$30.00	\$6,600.00	
603.82215	15" PE PIPE (TYPE S)	LF	838.00	\$58.00	\$48,604.00	\$28.00	\$23,464.00	\$35.00	\$29,330.00	
603.82218	18" PE PIPE (TYPE S)	LF	160.00	\$75.00	\$12,000.00	\$38.75	\$6,200.00	\$37.00	\$5,920.00	
603.82224	24" PE PIPE (TYPE S)	LF	575.00	\$82.00	\$47,150.00	\$51.75	\$29,756.25	\$50.00	\$28,750.00	
603.82230	30" PE PIPE (TYPE S)	LF	75.00	\$90.00	\$6,750.00	\$138.00	\$10,350.00	\$125.00	\$9,375.00	
603.82236	36" PE PIPE (TYPE S)	LF	45.00	\$98.00	\$4,410.00	\$212.85	\$9,578.25	\$200.00	\$9,000.00	
603.99015	15" TEMPORARY DRAIN PIPE	LF	92.00	\$72.00	\$6,624.00	\$55.00	\$5,060.00	\$50.00	\$4,600.00	
604.0007	POLYETHYLENE LINER	EA	17.00	\$225.00	\$3,825.00	\$165.00	\$2,805.00	\$250.00	\$4,250.00	
604.12	CATCH BASINS TYPE B	U	14.00	\$1,800.00	\$25,200.00	\$1,860.00	\$26,040.00	\$1,800.00	\$25,200.00	
604.1249	TEMPORARY CATCH BASINS TYPE B	U	2.00	\$2,300.00	\$4,600.00	\$2,265.00	\$4,530.00	\$2,000.00	\$4,000.00	
604.126	CATCH BASINS TYPE B, 6-FOOT DIAMETER	U	2.00	\$3,000.00	\$6,000.00	\$3,165.00	\$6,330.00	\$3,000.00	\$6,000.00	
604.128	CATCH BASINS TYPE B, 8-FOOT DIAMETER	U	1.00	\$7,200.00	\$7,200.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	
604.16	CATCH BASINS TYPE F	U	8.00	\$1,850.00	\$14,800.00	\$1,900.00	\$15,200.00	\$2,000.00	\$16,000.00	
604.165	CATCH BASINS TYPE F, 5-FOOT DIAMETER	U	4.00	\$2,700.00	\$10,800.00	\$2,810.00	\$11,240.00	\$2,800.00	\$11,200.00	

Item No:	Description	Unit	Quantity	A		B		C	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
604.166	CATCH BASINS TYPE F, 6-FOOT DIAMETER	U	3.00	\$3,050.00	\$9,150.00	\$4,120.00	\$12,360.00	\$4,000.00	\$12,000.00
604.168	CATCH BASIN TYPE F, 8 FT DIAMETER	U	3.00	\$7,250.00	\$21,750.00	\$5,000.00	\$15,000.00	\$5,000.00	\$15,000.00
604.1941	SPECIAL CATCH BASIN TYPE G, 4 FT DIAMETER	U	5.00	\$2,000.00	\$10,000.00	\$2,250.00	\$11,250.00	\$2,200.00	\$11,000.00
604.1951	SPECIAL CATCH BASIN TYPE G, 5 FT DIAMETER	U	2.00	\$2,900.00	\$5,800.00	\$3,185.00	\$6,370.00	\$3,000.00	\$6,000.00
604.26	DROP INLETS TYPE F	U	2.00	\$1,700.00	\$3,400.00	\$1,725.00	\$3,450.00	\$1,500.00	\$3,000.00
604.2941	SPECIAL DROP INLET TYPE G, 4 FT DIAMETER	U	6.00	\$1,800.00	\$10,800.00	\$1,750.00	\$10,500.00	\$2,000.00	\$12,000.00
604.32	DRAINAGE MANHOLES	U	16.00	\$1,900.00	\$30,400.00	\$2,000.00	\$32,000.00	\$2,000.00	\$32,000.00
604.325	DRAINAGE MANHOLES, 5-FOOT DIAMETER	U	6.00	\$2,800.00	\$16,800.00	\$2,810.00	\$16,860.00	\$2,800.00	\$16,800.00
604.326	DRAINAGE MANHOLES, 6-FOOT DIAMETER	U	4.00	\$3,200.00	\$12,800.00	\$3,805.00	\$15,220.00	\$3,200.00	\$12,800.00
604.398	SPECIAL DRAINAGE MANHOLES, 8-FOOT DIAMETER	U	2.00	\$7,975.00	\$15,950.00	\$8,000.00	\$16,000.00	\$8,000.00	\$16,000.00
604.9101	OUTLET CONTROL STRUCTURE	U	1.00	\$2,600.00	\$2,600.00	\$2,395.00	\$2,395.00	\$2,500.00	\$2,500.00
604.9102	OUTLET CONTROL STRUCTURE	U	1.00	\$2,650.00	\$2,650.00	\$2,395.00	\$2,395.00	\$2,500.00	\$2,500.00
605.5069	6" PERF. CORR. POLYETHYL PIPE UND. - MODIFIED	LF	5,600.00	\$21.00	\$117,600.00	\$16.65	\$93,240.00	\$16.00	\$89,600.00
605.5129	12" PERF. CORR. POLYETHYL PIPE UND. - MODIFIED	LF	380.00	\$28.00	\$10,640.00	\$27.70	\$10,526.00	\$25.00	\$9,500.00
605.5159	15" PERF. CORR. POLYETHYL PIPE UND. - MODIFIED	LF	75.00	\$30.00	\$2,250.00	\$34.20	\$2,565.00	\$30.00	\$2,250.00
605.5189	18" PERF. CORR. POLYETHYL PIPE UND. - MODIFIED	LF	390.00	\$35.00	\$13,650.00	\$42.75	\$16,672.50	\$35.00	\$13,650.00
605.79	UNDERDRAIN FLUSHING BASINS	EA	6.00	\$280.00	\$1,680.00	\$350.00	\$2,100.00	\$350.00	\$2,100.00

Item No.	Description	Unit	Quantity	A		B		C	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
606.1254	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT 50 FT) (STEEL POST)	U	6.00	\$1,800.00	\$10,800.00	\$1,995.00	\$11,970.00	\$1,900.00	\$11,400.00
606.127	BEAM GUARDRAIL (TERMINAL UNIT TYPE G-2) (STEEL POST)	U	2.00	\$450.00	\$900.00	\$500.00	\$1,000.00	\$475.00	\$950.00
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	1,700.00	\$16.00	\$27,200.00	\$16.80	\$28,560.00	\$16.00	\$27,200.00
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	160.00	\$23.00	\$3,680.00	\$16.00	\$2,560.00	\$30.00	\$4,800.00
606.5716	WOOD GUARDRAIL (DOUBLE 4"X8" RAIL, 6'-6" WOOD POSTS)	LF	137.50	\$45.00	\$6,187.50	\$44.00	\$6,050.00	\$42.00	\$5,775.00
606.9522	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 2	U	2.00	\$2,800.00	\$5,600.00	\$2,500.00	\$5,000.00	\$2,500.00	\$5,000.00
608.26	6" CONCRETE SIDEWALK (F)	SY	255.00	\$38.00	\$9,690.00	\$40.00	\$10,200.00	\$40.00	\$10,200.00
608.74	4" STONE DUST WEARING SURFACE FOR TRAILS	CY	140.00	\$76.00	\$10,640.00	\$36.25	\$5,075.00	\$35.00	\$4,900.00
609.01	STRAIGHT GRANITE CURB	LF	890.00	\$16.50	\$14,685.00	\$20.69	\$18,414.10	\$22.00	\$19,580.00
609.01187	STRAIGHT GRANITE CURB 18 IN HIGH, W/ 3 IN ROUNDED EDGE	LF	130.00	\$28.00	\$3,640.00	\$33.00	\$4,290.00	\$33.00	\$4,290.00
609.214	STRAIGHT GRANITE SLOPE CURB, 4" HIGH	LF	180.00	\$14.00	\$2,520.00	\$16.75	\$3,015.00	\$17.00	\$3,060.00
609.216	STRAIGHT GRANITE SLOPE CURB 6" HIGH	LF	305.00	\$16.00	\$4,880.00	\$18.85	\$5,749.25	\$20.00	\$6,100.00
609.226	STRAIGHT GRANITE SLOPE CURB WITH RADIAL JOINTS, 6" HIGH	LF	40.00	\$16.00	\$640.00	\$18.85	\$754.00	\$35.00	\$1,400.00
612.21283	24" STEEL CASING WITH 10" HDPE FORCE MAIN	LF	105.00	\$200.00	\$21,000.00	\$194.00	\$20,370.00	\$200.00	\$21,000.00

Item No:	Description	Unit	A			B			C		
			Quantity	Unit Price	Total	Unit Price	Total	Unit Price	Total		
612.352	AIR RELEASE VALVE SEWER MANHOLE	EA	1.00	\$12,500.00	\$12,500.00	\$18,795.00	\$18,795.00	\$18,000.00	\$18,000.00		
612.72410	10" HDPE FORCE MAIN, SDR 17	LF	961.00	\$60.00	\$57,660.00	\$75.00	\$72,075.00	\$75.00	\$72,075.00		
612.86510	10" COUPLING	EA	2.00	\$1,000.00	\$2,000.00	\$1,315.00	\$2,630.00	\$1,200.00	\$2,400.00		
612.951	SEWER MAIN INSULATION	SY	36.00	\$24.00	\$864.00	\$16.85	\$606.60	\$17.00	\$612.00		
615.02	TRAFFIC SIGN TYPE B (F)	SF	45.50	\$125.00	\$5,687.50	\$78.75	\$3,583.13	\$95.00	\$4,322.50		
615.022	TRAFFIC SIGN TYPE B, BREAKAWAY MOUNTS (F)	SF	22.75	\$200.00	\$4,550.00	\$120.00	\$2,730.00	\$170.00	\$3,867.50		
615.024	RELOCATING TRAFFIC SIGN, TYPE B	U	1.00	\$200.00	\$200.00	\$420.00	\$420.00	\$1,200.00	\$1,200.00		
615.03	TRAFFIC SIGN TYPE C (F)	SF	187.25	\$45.00	\$8,426.25	\$47.25	\$8,847.56	\$30.00	\$5,617.50		
615.06	TRAFFIC SIGN TYPE CC (F)	SF	52.59	\$12.00	\$631.08	\$19.00	\$999.21	\$10.00	\$525.90		
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	35,600.00	\$1.00	\$35,600.00	\$1.00	\$35,600.00	\$1.00	\$35,600.00		
618.7	FLAGGERS	HR	6,000.00	\$20.00	\$120,000.00	\$25.00	\$150,000.00	\$30.00	\$180,000.00		
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$40,000.00	\$40,000.00	\$34,865.00	\$34,865.00	\$65,000.00	\$65,000.00		
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	3.00	\$13,000.00	\$39,000.00	\$7,500.00	\$22,500.00	\$15,000.00	\$45,000.00		
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	30.00	\$5.00	\$150.00	\$4.20	\$126.00	\$4.00	\$120.00		
621.31	SINGLE DELINEATOR WITH POST	EA	70.00	\$38.00	\$2,660.00	\$36.75	\$2,572.50	\$35.00	\$2,450.00		
622.1	STEEL WITNESS MARKERS	EA	65.00	\$25.00	\$1,625.00	\$26.25	\$1,706.25	\$25.00	\$1,625.00		
622.2	CONCRETE BOUNDS	EA	19.00	\$300.00	\$5,700.00	\$341.00	\$6,479.00	\$250.00	\$4,750.00		
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	32,500.00	\$0.18	\$5,850.00	\$0.15	\$4,875.00	\$0.15	\$4,875.00		
632.3104	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 4" LINE	LF	320.00	\$1.50	\$480.00	\$1.57	\$502.40	\$1.50	\$480.00		
632.3108	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 8" LINE	LF	125.00	\$2.50	\$312.50	\$2.10	\$262.50	\$2.00	\$250.00		

Item No:	Description	A			B			C		
		Unit	Quantity	Unit Price	Total	Unit Price	Total	Unit Price	Total	
632.3118	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 18" LINE	LF	65.00	\$5.00	\$325.00	\$4.20	\$273.00	\$4.00	\$260.00	
632.32	RETROREFLECT. THERMOPLAS. PAVEMENT MARKING, SYMBOL OR WORD	SF	60.00	\$5.00	\$300.00	\$10.50	\$630.00	\$10.00	\$600.00	
641	LOAM	CY	85.00	\$22.00	\$1,870.00	\$37.50	\$3,187.50	\$30.00	\$2,550.00	
644.82	SALT-TOLERANT GRASS SEED, TYPE 82	LB	40.00	\$38.00	\$1,520.00	\$42.00	\$1,680.00	\$40.00	\$1,600.00	
645.0001	TURBIDITY BARRIER	LF	550.00	\$20.00	\$11,000.00	\$15.00	\$8,250.00	\$45.00	\$24,750.00	
645.3	EROSION STONE	TON	1,500.00	\$24.00	\$36,000.00	\$23.95	\$35,925.00	\$24.00	\$36,000.00	
645.42	TEMPORARY SLOPE STABILIZATION TYPE B (WILDLIFE FRIENDLY)	SY	28,000.00	\$1.25	\$35,000.00	\$1.31	\$36,680.00	\$1.25	\$35,000.00	
645.44	TEMPORARY SLOPE STABILIZATION TYPE D (WILDLIFE FRIENDLY)	SY	15,200.00	\$1.35	\$20,520.00	\$1.42	\$21,584.00	\$1.35	\$20,520.00	
645.51	HAY BALES FOR TEMPORARY EROSION CONTROL	EA	160.00	\$8.00	\$1,280.00	\$13.25	\$2,120.00	\$8.00	\$1,280.00	
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	2,200.00	\$3.00	\$6,600.00	\$4.00	\$8,800.00	\$3.50	\$7,700.00	
645.531	SILT FENCE	LF	1,600.00	\$2.50	\$4,000.00	\$2.50	\$4,000.00	\$2.00	\$3,200.00	
645.7	STORM WATER POLLUTION PREVENTION PLAN	U	1.00	\$2,500.00	\$2,500.00	\$2,100.00	\$2,100.00	\$2,000.00	\$2,000.00	
645.71	MONITORING SWPPP AND EROSION AND SEDIMENT CONTROLS	HR	220.00	\$45.00	\$9,900.00	\$47.00	\$10,340.00	\$45.00	\$9,900.00	
646.3	TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS	A	7.00	\$1,700.00	\$11,900.00	\$2,000.00	\$14,000.00	\$1,900.00	\$13,300.00	
647.1	HUMUS	CY	2,500.00	\$19.00	\$47,500.00	\$12.50	\$31,250.00	\$18.00	\$45,000.00	
647.16	HUMUS, 6 IN DEEP	CY	270.00	\$14.50	\$3,915.00	\$12.50	\$3,375.00	\$18.00	\$4,860.00	
650.2	LANDSCAPING	U	1.00	\$8,000.00	\$8,000.00	\$7,875.00	\$7,875.00	\$7,500.00	\$7,500.00	
670.02	SEDIMENT SUMP MEASURING BLOCK	EA	2.00	\$525.00	\$1,050.00	\$350.00	\$700.00	\$300.00	\$600.00	

Item No:	Description	Unit	Quantity	A		B		C	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
670.04501	CONSTRUCT AND REMOVE DIVERSION	U	1.00	\$6,000.00	\$6,000.00	\$21,700.00	\$21,700.00	\$15,000.00	\$15,000.00
670.104	TEMPORARY PORTABLE LIGHTING	U	2.00	\$9,000.00	\$18,000.00	\$3,500.00	\$7,000.00	\$13,000.00	\$26,000.00
670.95	TEMPORARY SAFETY FENCE	LF	1,125.00	\$5.00	\$5,625.00	\$3.00	\$3,375.00	\$5.00	\$5,625.00
692	MOBILIZATION	U	1.00	\$800,000.00	\$800,000.00	\$451,000.00	\$451,000.00	\$300,000.00	\$300,000.00
693	ON-THE-JOB TRAINING OF UNSKILLED WORKERS	\$	600.00	\$1.00	\$600.00	\$1.00	\$600.00	\$1.00	\$600.00
697.11	INVASIVE SPECIES CONTROL AND MANAGEMENT PLAN	U	1.00	\$500.00	\$500.00	\$265.00	\$265.00	\$250.00	\$250.00
697.41	CRITICAL PATH METHOD(CPM) ELECTRONIC SCHEDULE	U	1.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$250.00	\$250.00
698.12	FIELD OFFICE TYPE B	MON	24.00	\$1,700.00	\$40,800.00	\$1,800.00	\$43,200.00	\$1,200.00	\$28,800.00
698.2	PHYSICAL TESTING LABORATORY	MON	24.00	\$800.00	\$19,200.00	\$500.00	\$12,000.00	\$1,000.00	\$24,000.00
699	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	5,000.00	\$1.00	\$5,000.00	\$1.00	\$5,000.00	\$1.00	\$5,000.00
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	\$	21,000.00	\$1.00	\$21,000.00	\$1.00	\$21,000.00	\$1.00	\$21,000.00
1010.41	QUALITY CONTROL QUALITY ASSURANCE(QC/QA) FOR CONCRETE	\$	33,000.00	\$1.00	\$33,000.00	\$1.00	\$33,000.00	\$1.00	\$33,000.00
					\$8,943,584.35		\$9,089,746.46		\$9,489,693.32

Item No:	Description	Unit	Quantity	D		E	
				Unit Price	Total	Unit Price	Total
201.1	CLEARING AND GRUBBING (F)	A	3.30	\$11,000.00	\$36,300.00	\$12,000.00	\$39,600.00
201.881	INVASIVE SPECIES CONTROL TYPE I	SY	140.00	\$6.00	\$840.00	\$6.75	\$945.00
201.882	INVASIVE SPECIES CONTROL TYPE II	SY	55.00	\$6.00	\$330.00	\$6.75	\$371.25
202.31	FILL ABANDONED PIPE	CY	20.00	\$130.00	\$2,600.00	\$150.00	\$3,000.00
202.41	REMOVAL OF EXISTING PIPE 0-24" DIAMETER	LF	590.00	\$11.00	\$6,490.00	\$12.00	\$7,080.00
202.5	REMOVAL OF CATCH BASINS, DROP INLETS, AND MANHOLES	EA	4.00	\$165.00	\$660.00	\$180.00	\$720.00
202.7	REMOVAL OF GUARDRAIL	LF	825.00	\$2.00	\$1,650.00	\$2.00	\$1,650.00
202.742	REMOVAL OF CONCRETE BARRIER (SALVAGE TO DEPARTMENT)	LF	220.00	\$10.00	\$2,200.00	\$8.00	\$1,760.00
202.851	REMOVAL OF FLASHING BEACONS	U	1.00	\$2,500.00	\$2,500.00	\$6,800.00	\$6,800.00
203.1	COMMON EXCAVATION	CY	44,333.00	\$9.00	\$398,997.00	\$10.00	\$443,330.00
203.2	ROCK EXCAVATION	CY	825.00	\$25.00	\$20,625.00	\$27.00	\$22,275.00
203.37	SEGREGATING AND REHANDLING NON-CONTAMINATED SOILS	CY	100.00	\$20.00	\$2,000.00	\$22.00	\$2,200.00
203.53	LOW PERMEABILITY FILL (F)	CY	1,000.00	\$22.00	\$22,000.00	\$25.00	\$25,000.00
203.5540	GUARDRAIL TAPERED RAIL PLATFORM	LF	25.00	\$18.00	\$450.00	\$20.00	\$500.00
203.5554	GUARDRAIL 50' EAGRT PLATFORM	U	4.00	\$1,250.00	\$5,000.00	\$1,380.00	\$5,520.00
203.55541	GUARDRAIL 50' EAGRT PLATFORM ALTERNATE	U	2.00	\$1,250.00	\$2,500.00	\$1,380.00	\$2,760.00
203.6	EMBANKMENT-IN-PLACE (F)	CY	7,300.00	\$5.00	\$36,500.00	\$5.50	\$40,150.00
203.63	MODIFIED EMBANKMENT-IN-PLACE	CY	4,400.00	\$14.00	\$61,600.00	\$15.00	\$66,000.00
206.1	COMMON STRUCTURE EXCAVATION	CY	6,704.00	\$8.00	\$53,632.00	\$8.75	\$58,660.00



Item No:	Description	Unit	Quantity	D		E	
				Unit Price	Total	Unit Price	Total
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	90.00	\$55.00	\$4,950.00	\$60.00	\$5,400.00
206.2	ROCK STRUCTURE EXCAVATION	CY	400.00	\$38.00	\$15,200.00	\$42.00	\$16,800.00
209.201	GRANULAR BACKFILL (BRIDGE) (F)	CY	2,030.00	\$34.00	\$69,020.00	\$37.50	\$76,125.00
209.411	MODIFIED GRANULAR BACKFILL (GRAVEL)	CY	1,800.00	\$22.50	\$40,500.00	\$55.00	\$99,000.00
214	FINE GRADING	U	1.00	\$50,000.00	\$50,000.00	\$37,500.00	\$37,500.00
304.2	GRAVEL (F)	CY	10,800.00	\$25.00	\$270,000.00	\$28.00	\$302,400.00
304.32	CRUSHED GRAVEL FOR SHOULDER LEVELING	TON	100.00	\$28.00	\$2,800.00	\$30.00	\$3,000.00
304.4	CRUSHED STONE (FINE GRADATION) (F)	CY	7,500.00	\$30.00	\$225,000.00	\$32.00	\$240,000.00
403.11002	HOT BITUMINOUS PAVEMENT, MACHINE METHOD (QC/QA TIER 2)	TON	5,700.00	\$76.75	\$437,475.00	\$78.50	\$447,450.00
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	110.00	\$125.00	\$13,750.00	\$132.00	\$14,520.00
403.4	MATERIAL TRANSFER VEHICLE (MTV)	TON	1,500.00	\$3.50	\$5,250.00	\$3.80	\$5,700.00
403.6	PAVEMENT JOINT ADHESIVE	LF	31,140.00	\$0.45	\$14,013.00	\$0.24	\$7,473.60
403.911	HOT BITUMINOUS BRIDGE PAVEMENT, 1" BASE COURSE (F)	TON	88.00	\$145.00	\$12,760.00	\$166.00	\$14,608.00
403.99	TEMPORARY BITUMINOUS PAVEMENT	TON	900.00	\$72.00	\$64,800.00	\$86.00	\$77,400.00
417	COLD PLANING BITUMINOUS SURFACES	SY	1,400.00	\$6.00	\$8,400.00	\$7.00	\$9,800.00
500.02	ACCESS FOR BRIDGE CONSTRUCTION	U	1.00	\$150,000.00	\$150,000.00	\$77,500.00	\$77,500.00
502.101	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$100,000.00	\$100,000.00	\$87,500.00	\$87,500.00
502.102	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$400,000.00	\$400,000.00	\$745,000.00	\$745,000.00

Item No:	Description	Unit	Quantity	D		E	
				Unit Price	Total	Unit Price	Total
503.201	COFFERDAMS	U	1.00	\$30,000.00	\$30,000.00	\$86,500.00	\$86,500.00
503.202	COFFERDAMS	U	1.00	\$40,000.00	\$40,000.00	\$100,000.00	\$100,000.00
503.203	COFFERDAMS	U	1.00	\$75,000.00	\$75,000.00	\$87,500.00	\$87,500.00
503.301	COFFERDAMS WITH SHEETING LEFT-IN-PLACE	U	1.00	\$250,000.00	\$250,000.00	\$288,000.00	\$288,000.00
503.302	COFFERDAMS WITH SHEETING LEFT-IN-PLACE	U	1.00	\$300,000.00	\$300,000.00	\$288,000.00	\$288,000.00
504.1	COMMON BRIDGE EXCAVATION (F)	CY	4,723.00	\$22.00	\$103,906.00	\$24.50	\$115,713.50
504.2	ROCK BRIDGE EXCAVATION	CY	50.00	\$90.00	\$4,500.00	\$100.00	\$5,000.00
508	STRUCTURAL FILL	CY	680.00	\$40.00	\$27,200.00	\$44.00	\$29,920.00
520.01	CONCRETE CLASS AA	CY	25.00	\$525.00	\$13,125.00	\$800.00	\$20,000.00
520.0302	CONCRETE CLASS AA APPROACH SLABS (QC/QA)(F)	CY	92.00	\$300.00	\$27,600.00	\$350.00	\$32,200.00
520.1	CONCRETE CLASS A	CY	14.00	\$940.00	\$13,160.00	\$890.00	\$12,460.00
520.12	CONCRETE CLASS A, ABOVE FOOTINGS (F)	CY	1,654.00	\$500.00	\$827,000.00	\$700.00	\$1,157,800.00
520.213	CONCRETE CLASS B, FOOTINGS (ON SOIL) (F)	CY	743.00	\$300.00	\$222,900.00	\$300.00	\$222,900.00
520.70026	CONCRETE BRIDGE DECK (QC/QA)(PANEL OPTION)(F)	CY	871.00	\$800.00	\$696,800.00	\$750.00	\$653,250.00
534.3	WATER REPELLENT (SILANE/SILOXANE)	GAL	195.00	\$50.00	\$9,750.00	\$110.00	\$21,450.00
538.2	BARRIER MEMBRANE, PEEL AND STICK - VERTICAL SURFACES (F)	SY	50.00	\$50.00	\$2,500.00	\$28.00	\$1,400.00
538.6	BARRIER MEMBRANE, HEAT WELDED - MACHINE METHOD (F)	SY	1,568.00	\$17.50	\$27,440.00	\$18.00	\$28,224.00
541.1	PVC WATERSTOPS, NH TYPE 1 (F)	LF	97.00	\$5.00	\$485.00	\$8.00	\$776.00
541.4	PVC WATERSTOPS, NH TYPE 4 (F)	LF	72.00	\$10.00	\$720.00	\$12.00	\$864.00
544	REINFORCING STEEL (F)	LB	185,201.00	\$1.00	\$185,201.00	\$1.10	\$203,721.10

Item No:	Description	Unit	Quantity	D		E	
				Unit Price	Total	Unit Price	Total
544.1	REINFORCING STEEL (ROADWAY)	LB	150.00	\$1.00	\$150.00	\$1.10	\$165.00
544.2	REINFORCING STEEL, EPOXY COATED (F)	LB	231,756.00	\$1.00	\$231,756.00	\$1.25	\$289,695.00
544.7	SYNTHETIC FIBER REINFORCEMENT (F)	LB	644.00	\$7.50	\$4,830.00	\$10.00	\$6,440.00
547	SHEAR CONNECTORS (F)	EA	9,195.00	\$5.00	\$45,975.00	\$4.75	\$43,676.25
548.21	ELASTOMERIC BEARING ASSEMBLIES (F)	EA	5.00	\$3,000.00	\$15,000.00	\$2,700.00	\$13,500.00
548.22	ELASTOMERIC BEARING ASSEMBLIES (F)	EA	5.00	\$3,500.00	\$17,500.00	\$3,000.00	\$15,000.00
548.23	ELASTOMERIC BEARING ASSEMBLIES (F)	EA	5.00	\$2,000.00	\$10,000.00	\$2,000.00	\$10,000.00
550.1	STRUCTURAL STEEL (F)	LB	859,934.00	\$1.45	\$1,246,904.30	\$2.00	\$1,719,868.00
550.2	BRIDGE SHOES (F)	EA	5.00	\$6,000.00	\$30,000.00	\$5,740.00	\$28,700.00
561.101	PREFABRICATED STRIP SEAL EXPANSION JOINT (F)	LF	73.00	\$650.00	\$47,450.00	\$700.00	\$51,100.00
561.301	PREFABRICATED EXPANSION JOINT, FINGER JOINT (F)	LF	73.00	\$1,750.00	\$127,750.00	\$1,370.00	\$100,010.00
562.1	SILICONE JOINT SEALANT (F)	LF	79.00	\$10.00	\$790.00	\$17.00	\$1,343.00
563.24	BRIDGE RAIL T4	LF	660.00	\$150.00	\$99,000.00	\$140.00	\$92,400.00
563.241	BRIDGE RAIL T4 WITH PROTECTIVE SCREENING	LF	224.00	\$200.00	\$44,800.00	\$220.00	\$49,280.00
565.242	BRIDGE APPROACH RAIL T4 (STEEL POSTS)	U	4.00	\$6,000.00	\$24,000.00	\$6,150.00	\$24,600.00
585.2	STONE FILL, CLASS B	CY	1,950.00	\$33.00	\$64,350.00	\$36.00	\$70,200.00
585.21	STONE FILL, CLASS B (BRIDGE)	CY	410.00	\$37.50	\$15,375.00	\$40.00	\$16,400.00
585.3	STONE FILL, CLASS C	CY	5,200.00	\$31.35	\$163,020.00	\$35.00	\$182,000.00
587.1	KEYED STONE FILL	CY	376.00	\$37.45	\$14,081.20	\$40.00	\$15,040.00
593.411	GEOTEXTILE; PERM CONTROL CL.1, NON-WOVEN	SY	4,550.00	\$2.00	\$9,100.00	\$2.20	\$10,010.00

Item No:	Description	Unit	Quantity	D		E	
				Unit Price	Total	Unit Price	Total
593.421	GEOTEXTILE; PERM CONTROL CL.2, NON-WOVEN	SY	1,850.00	\$2.00	\$3,700.00	\$2.20	\$4,070.00
603.0001	VIDEO INSPECTION	LF	10,100.00	\$1.00	\$10,100.00	\$1.20	\$12,120.00
603.00212	12" R.C. PIPE, 2000D	LF	45.00	\$46.00	\$2,070.00	\$50.00	\$2,250.00
603.00215	15" R.C. PIPE, 2000D	LF	300.00	\$82.00	\$24,600.00	\$90.00	\$27,000.00
603.00224	24" R.C. PIPE, 2000D	LF	270.00	\$90.00	\$24,300.00	\$100.00	\$27,000.00
603.00336	36" R.C. PIPE, 3000D	LF	40.00	\$132.00	\$5,280.00	\$140.00	\$5,600.00
603.34112	12" STEEL END SECTIONS	EA	3.00	\$210.00	\$630.00	\$230.00	\$690.00
603.34115	15" STEEL END SECTIONS	EA	2.00	\$235.00	\$470.00	\$260.00	\$520.00
603.82115	15" PE PIPE (TYPE C)	LF	70.00	\$30.00	\$2,100.00	\$34.00	\$2,380.00
603.82118	18" PE PIPE (TYPE C)	LF	155.00	\$31.00	\$4,805.00	\$35.00	\$5,425.00
603.82124	24" PE PIPE (TYPE C)	LF	950.00	\$50.00	\$47,500.00	\$55.00	\$52,250.00
603.82212	12" PE PIPE (TYPE S)	LF	220.00	\$31.60	\$6,952.00	\$35.00	\$7,700.00
603.82215	15" PE PIPE (TYPE S)	LF	838.00	\$28.00	\$23,464.00	\$30.00	\$25,140.00
603.82218	18" PE PIPE (TYPE S)	LF	160.00	\$39.00	\$6,240.00	\$42.00	\$6,720.00
603.82224	24" PE PIPE (TYPE S)	LF	575.00	\$51.75	\$29,756.25	\$57.00	\$32,775.00
603.82230	30" PE PIPE (TYPE S)	LF	75.00	\$138.00	\$10,350.00	\$150.00	\$11,250.00
603.82236	36" PE PIPE (TYPE S)	LF	45.00	\$213.00	\$9,585.00	\$235.00	\$10,575.00
603.99015	15" TEMPORARY DRAIN. PIPE	LF	92.00	\$55.00	\$5,060.00	\$60.00	\$5,520.00
604.0007	POLYETHYLENE LINER	EA	17.00	\$165.00	\$2,805.00	\$180.00	\$3,060.00
604.12	CATCH BASINS TYPE B	U	14.00	\$2,000.00	\$28,000.00	\$2,060.00	\$28,840.00
604.1249	TEMPORARY CATCH BASINS TYPE B	U	2.00	\$2,250.00	\$4,500.00	\$2,500.00	\$5,000.00
604.126	CATCH BASINS TYPE B, 6-FOOT DIAMETER	U	2.00	\$3,500.00	\$7,000.00	\$3,500.00	\$7,000.00
604.128	CATCH BASINS TYPE B, 8-FOOT DIAMETER	U	1.00	\$5,000.00	\$5,000.00	\$5,500.00	\$5,500.00
604.16	CATCH BASINS TYPE F	U	8.00	\$2,000.00	\$16,000.00	\$2,100.00	\$16,800.00
604.165	CATCH BASINS TYPE F, 5-FOOT DIAMETER	U	4.00	\$2,800.00	\$11,200.00	\$3,100.00	\$12,400.00

Item No.	Description	Unit	Quantity	D		E	
				Unit Price	Total	Unit Price	Total
604.166	CATCH BASINS TYPE F, 6-FOOT DIAMETER	U	3.00	\$4,200.00	\$12,600.00	\$4,500.00	\$13,500.00
604.168	CATCH BASIN TYPE F, 8 FT DIAMETER	U	3.00	\$5,000.00	\$15,000.00	\$5,500.00	\$16,500.00
604.1941	SPECIAL CATCH BASIN TYPE G, 4 FT DIAMETER	U	5.00	\$2,200.00	\$11,000.00	\$2,490.00	\$12,450.00
604.1951	SPECIAL CATCH BASIN TYPE G, 5 FT DIAMETER	U	2.00	\$3,200.00	\$6,400.00	\$3,525.00	\$7,050.00
604.26	DROP INLETS TYPE F	U	2.00	\$2,000.00	\$4,000.00	\$1,900.00	\$3,800.00
604.2941	SPECIAL DROP INLET TYPE G, 4 FT DIAMETER	U	6.00	\$2,000.00	\$12,000.00	\$1,900.00	\$11,400.00
604.32	DRAINAGE MANHOLES	U	16.00	\$2,000.00	\$32,000.00	\$2,200.00	\$35,200.00
604.325	DRAINAGE MANHOLES, 5-FOOT DIAMETER	U	6.00	\$2,800.00	\$16,800.00	\$3,100.00	\$18,600.00
604.326	DRAINAGE MANHOLES, 6-FOOT DIAMETER	U	4.00	\$3,800.00	\$15,200.00	\$4,200.00	\$16,800.00
604.398	SPECIAL DRAINAGE MANHOLES, 8-FOOT DIAMETER	U	2.00	\$8,000.00	\$16,000.00	\$8,850.00	\$17,700.00
604.9101	OUTLET CONTROL STRUCTURE	U	1.00	\$2,400.00	\$2,400.00	\$2,650.00	\$2,650.00
604.9102	OUTLET CONTROL STRUCTURE	U	1.00	\$2,400.00	\$2,400.00	\$2,650.00	\$2,650.00
605.5069	6" PERF. CORR. POLYETHYL PIPE UND. - MODIFIED	LF	5,600.00	\$16.65	\$93,240.00	\$18.50	\$103,600.00
605.5129	12" PERF. CORR. POLYETHYL PIPE UND. - MODIFIED	LF	380.00	\$27.70	\$10,526.00	\$30.00	\$11,400.00
605.5159	15" PERF. CORR. POLYETHYL PIPE UND. - MODIFIED	LF	75.00	\$34.20	\$2,565.00	\$37.50	\$2,812.50
605.5189	18" PERF. CORR. POLYETHYL PIPE UND. - MODIFIED	LF	390.00	\$42.75	\$16,672.50	\$47.50	\$18,525.00
605.79	UNDERDRAIN FLUSHING BASINS	EA	6.00	\$350.00	\$2,100.00	\$380.00	\$2,280.00

Item No:	Description	Unit	Quantity	D		E	
				Unit Price	Total	Unit Price	Total
606.1254	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT 50 FT) (STEEL POST)	U	6.00	\$2,000.00	\$12,000.00	\$2,100.00	\$12,600.00
606.127	BEAM GUARDRAIL (TERMINAL UNIT TYPE G-2) (STEEL POST)	U	2.00	\$500.00	\$1,000.00	\$525.00	\$1,050.00
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	1,700.00	\$16.00	\$27,200.00	\$17.50	\$29,750.00
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	160.00	\$20.00	\$3,200.00	\$27.50	\$4,400.00
606.5716	WOOD GUARDRAIL (DOUBLE 4"X8" RAIL, 6'-6" WOOD POSTS)	LF	137.50	\$40.00	\$5,500.00	\$46.50	\$6,393.75
606.9522	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 2	U	2.00	\$2,500.00	\$5,000.00	\$4,250.00	\$8,500.00
608.26	6" CONCRETE SIDEWALK (F)	SY	255.00	\$50.00	\$12,750.00	\$33.00	\$8,415.00
608.74	4" STONE DUST WEARING SURFACE FOR TRAILS	CY	140.00	\$36.00	\$5,040.00	\$40.00	\$5,600.00
609.01	STRAIGHT GRANITE CURB	LF	890.00	\$21.00	\$18,690.00	\$23.00	\$20,470.00
609.01187	STRAIGHT GRANITE CURB 18 IN HIGH, W/ 3 IN ROUNDED EDGE	LF	130.00	\$33.00	\$4,290.00	\$36.50	\$4,745.00
609.214	STRAIGHT GRANITE SLOPE CURB, 4" HIGH	LF	180.00	\$17.00	\$3,060.00	\$20.00	\$3,600.00
609.216	STRAIGHT GRANITE SLOPE CURB 6" HIGH	LF	305.00	\$20.00	\$6,100.00	\$22.00	\$6,710.00
609.226	STRAIGHT GRANITE SLOPE CURB WITH RADIAL JOINTS, 6" HIGH	LF	40.00	\$20.00	\$800.00	\$22.00	\$880.00
612.21283	24" STEEL CASING WITH 10" HDPE FORCE MAIN	LF	105.00	\$194.00	\$20,370.00	\$215.00	\$22,575.00

Item No:	Description	Unit	Quantity	D		E	
				Unit Price	Total	Unit Price	Total
612.352	AIR RELEASE VALVE SEWER MANHOLE	EA	1.00	\$19,000.00	\$19,000.00	\$20,800.00	\$20,800.00
612.72410	10" HDPE FORCE MAIN, SDR 17	LF	961.00	\$75.00	\$72,075.00	\$83.00	\$79,763.00
612.86510	10" COUPLING	EA	2.00	\$1,300.00	\$2,600.00	\$1,450.00	\$2,900.00
612.951	SEWER MAIN INSULATION	SY	36.00	\$16.85	\$606.60	\$18.50	\$666.00
615.02	TRAFFIC SIGN TYPE B (F)	SF	45.50	\$75.00	\$3,412.50	\$140.00	\$6,370.00
615.022	TRAFFIC SIGN TYPE B, BREAKAWAY MOUNTS (F)	SF	22.75	\$115.00	\$2,616.25	\$220.00	\$5,005.00
615.024	RELOCATING TRAFFIC SIGN, TYPE B	U	1.00	\$400.00	\$400.00	\$220.00	\$220.00
615.03	TRAFFIC SIGN TYPE C (F)	SF	187.25	\$45.00	\$8,426.25	\$50.00	\$9,362.50
615.06	TRAFFIC SIGN TYPE CC (F)	SF	52.59	\$18.00	\$946.62	\$13.50	\$709.97
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	35,600.00	\$1.00	\$35,600.00	\$1.00	\$35,600.00
618.7	FLAGGERS	HR	6,000.00	\$20.00	\$120,000.00	\$26.00	\$156,000.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$60,000.00	\$60,000.00	\$150,000.00	\$150,000.00
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	3.00	\$5,000.00	\$15,000.00	\$12,500.00	\$37,500.00
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	30.00	\$5.00	\$150.00	\$4.50	\$135.00
621.31	SINGLE DELINEATOR WITH POST	EA	70.00	\$35.00	\$2,450.00	\$38.00	\$2,660.00
622.1	STEEL WITNESS MARKERS	EA	65.00	\$25.00	\$1,625.00	\$27.50	\$1,787.50
622.2	CONCRETE BOUNDS	EA	19.00	\$250.00	\$4,750.00	\$165.00	\$3,135.00
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	32,500.00	\$0.14	\$4,550.00	\$0.15	\$4,875.00
632.3104	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 4" LINE	LF	320.00	\$1.50	\$480.00	\$1.60	\$512.00
632.3108	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 8" LINE	LF	125.00	\$2.00	\$250.00	\$2.20	\$275.00

Item No:	Description	Unit	Quantity	D		E	
				Unit Price	Total	Unit Price	Total
632.3118	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 18" LINE	LF	65.00	\$4.00	\$260.00	\$4.50	\$292.50
632.32	RETROREFLECT. THERMOPLAS. PAVEMENT MARKING, SYMBOL OR WORD	SF	60.00	\$10.00	\$600.00	\$11.00	\$660.00
641	LOAM	CY	85.00	\$37.50	\$3,187.50	\$41.00	\$3,485.00
644.82	SALT-TOLERANT GRASS SEED, TYPE 82	LB	40.00	\$40.00	\$1,600.00	\$40.00	\$1,600.00
645.0001	TURBIDITY BARRIER	LF	550.00	\$25.00	\$13,750.00	\$28.00	\$15,400.00
645.3	EROSION STONE	TON	1,500.00	\$24.00	\$36,000.00	\$26.50	\$39,750.00
645.42	TEMPORARY SLOPE STABILIZATION TYPE B (WILDLIFE FRIENDLY)	SY	28,000.00	\$1.25	\$35,000.00	\$2.25	\$63,000.00
645.44	TEMPORARY SLOPE STABILIZATION TYPE D (WILDLIFE FRIENDLY)	SY	15,200.00	\$1.35	\$20,520.00	\$2.25	\$34,200.00
645.51	HAY BALES FOR TEMPORARY EROSION CONTROL	EA	160.00	\$8.00	\$1,280.00	\$12.00	\$1,920.00
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	2,200.00	\$3.50	\$7,700.00	\$4.50	\$9,900.00
645.531	SILT FENCE	LF	1,600.00	\$2.10	\$3,360.00	\$2.75	\$4,400.00
645.7	STORM WATER POLLUTION PREVENTION PLAN	U	1.00	\$2,000.00	\$2,000.00	\$7,300.00	\$7,300.00
645.71	MONITORING SWPPP AND EROSION AND SEDIMENT CONTROLS	HR	220.00	\$45.00	\$9,900.00	\$60.00	\$13,200.00
646.3	TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS	A	7.00	\$1,900.00	\$13,300.00	\$2,100.00	\$14,700.00
647.1	HUMUS	CY	2,500.00	\$12.50	\$31,250.00	\$15.00	\$37,500.00
647.16	HUMUS, 6 IN DEEP	CY	270.00	\$12.50	\$3,375.00	\$15.00	\$4,050.00
650.2	LANDSCAPING	U	1.00	\$7,500.00	\$7,500.00	\$8,300.00	\$8,300.00
670.02	SEDIMENT SUMP MEASURING BLOCK	EA	2.00	\$350.00	\$700.00	\$500.00	\$1,000.00



Item No:	Description	Unit	Quantity	D		E	
				Unit Price	Total	Unit Price	Total
670.04501	CONSTRUCT AND REMOVE DIVERSION	U	1.00	\$21,700.00	\$21,700.00	\$55,000.00	\$55,000.00
670.104	TEMPORARY PORTABLE LIGHTING	U	2.00	\$10,000.00	\$20,000.00	\$6,000.00	\$12,000.00
670.95	TEMPORARY SAFETY FENCE	LF	1,125.00	\$5.00	\$5,625.00	\$8.00	\$9,000.00
692	MOBILIZATION	U	1.00	\$450,000.00	\$450,000.00	\$490,000.00	\$490,000.00
693	ON-THE-JOB TRAINING OF UNSKILLED WORKERS	\$	600.00	\$1.00	\$600.00	\$1.00	\$600.00
697.11	INVASIVE SPECIES CONTROL AND MANAGEMENT PLAN	U	1.00	\$250.00	\$250.00	\$1,200.00	\$1,200.00
697.41	CRITICAL PATH METHOD(CPM) ELECTRONIC SCHEDULE	U	1.00	\$500.00	\$500.00	\$4,000.00	\$4,000.00
698.12	FIELD OFFICE TYPE B	MON	24.00	\$1,500.00	\$36,000.00	\$1,300.00	\$31,200.00
698.2	PHYSICAL TESTING LABORATORY	MON	24.00	\$300.00	\$7,200.00	\$650.00	\$15,600.00
699	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	5,000.00	\$1.00	\$5,000.00	\$1.00	\$5,000.00
1010.15	FUEL ADJUSTMENT	\$	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
1010.3	QUALITY CONTROL QUALITY ASSURANCE(QC/QA) ASPHALT	\$	21,000.00	\$1.00	\$21,000.00	\$1.00	\$21,000.00
1010.41	QUALITY CONTROL QUALITY ASSURANCE(QC/QA) FOR CONCRETE	\$	33,000.00	\$1.00	\$33,000.00	\$1.00	\$33,000.00
					\$9,539,376.97		\$11,392,328.42

## A - PS&amp;E Comparison

Item No:	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
201.1	CLEARING AND GRUBBING (F)	A	3.30	\$12,000.00	\$39,600.00	\$6,000.00	\$19,800.00	\$19,800.00
201.881	INVASIVE SPECIES CONTROL TYPE I	SY	140.00	\$10.00	\$1,400.00	\$2.00	\$280.00	\$1,120.00
201.882	INVASIVE SPECIES CONTROL TYPE II	SY	55.00	\$20.00	\$1,100.00	\$2.00	\$110.00	\$990.00
202.31	FILL ABANDONED PIPE	CY	20.00	\$175.00	\$3,500.00	\$200.00	\$4,000.00	(\$500.00)
202.41	REMOVAL OF EXISTING PIPE 0-24" DIAMETER	LF	590.00	\$8.00	\$4,720.00	\$12.00	\$7,080.00	(\$2,360.00)
202.5	REMOVAL OF CATCH BASINS, DROP INLETS, AND MANHOLES	EA	4.00	\$425.00	\$1,700.00	\$275.00	\$1,100.00	\$600.00
202.7	REMOVAL OF GUARDRAIL	LF	825.00	\$1.00	\$825.00	\$1.00	\$825.00	\$0.00
202.742	REMOVAL OF CONCRETE BARRIER (SALVAGE TO DEPARTMENT)	LF	220.00	\$13.00	\$2,860.00	\$5.00	\$1,100.00	\$1,760.00
202.851	REMOVAL OF FLASHING BEACONS	U	1.00	\$6,200.00	\$6,200.00	\$2,500.00	\$2,500.00	\$3,700.00
203.1	COMMON EXCAVATION	CY	44,333.00	\$4.50	\$199,498.50	\$7.50	\$332,497.50	(\$132,999.00)
203.2	ROCK EXCAVATION	CY	825.00	\$30.00	\$24,750.00	\$25.00	\$20,625.00	\$4,125.00
203.37	SEGREGATING AND REHANDLING NON-CONTAMINATED SOILS	CY	100.00	\$30.00	\$3,000.00	\$10.00	\$1,000.00	\$2,000.00
203.53	LOW PERMEABILITY FILL (F)	CY	1,000.00	\$12.00	\$12,000.00	\$12.00	\$12,000.00	\$0.00
203.5540	GUARDRAIL TAPERED RAIL PLATFORM	LF	25.00	\$23.00	\$575.00	\$10.00	\$250.00	\$325.00
203.5554	GUARDRAIL 50' EAGRT PLATFORM	U	4.00	\$1,000.00	\$4,000.00	\$950.00	\$3,800.00	\$200.00
203.55541	GUARDRAIL 50' EAGRT PLATFORM ALTERNATE	U	2.00	\$1,000.00	\$2,000.00	\$1,200.00	\$2,400.00	(\$400.00)
203.6	EMBANKMENT-IN-PLACE (F)	CY	7,300.00	\$4.50	\$32,850.00	\$5.00	\$36,500.00	(\$3,650.00)
203.63	MODIFIED EMBANKMENT-IN-PLACE	CY	4,400.00	\$8.00	\$35,200.00	\$12.00	\$52,800.00	(\$17,600.00)
206.1	COMMON STRUCTURE EXCAVATION	CY	6,704.00	\$12.00	\$80,448.00	\$16.00	\$107,264.00	(\$26,816.00)

## A - PS&E Comparison

PS&E = NHDOT Cost Estimate

Item No:	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	90.00	\$95.00	\$8,550.00	\$45.00	\$4,050.00	\$4,500.00
206.2	ROCK STRUCTURE EXCAVATION	CY	400.00	\$50.00	\$20,000.00	\$55.00	\$22,000.00	(\$2,000.00)
209.201	GRANULAR BACKFILL (BRIDGE) (F)	CY	2,030.00	\$34.00	\$69,020.00	\$30.00	\$60,900.00	\$8,120.00
209.411	MODIFIED GRANULAR BACKFILL (GRAVEL)	CY	1,800.00	\$25.00	\$45,000.00	\$42.00	\$75,600.00	(\$30,600.00)
214	FINE GRADING	U	1.00	\$50,000.00	\$50,000.00	\$22,000.00	\$22,000.00	\$28,000.00
304.2	GRAVEL (F)	CY	10,800.00	\$24.00	\$259,200.00	\$15.00	\$162,000.00	\$97,200.00
304.32	CRUSHED GRAVEL FOR SHOULDER LEVELING	TON	100.00	\$26.00	\$2,600.00	\$30.00	\$3,000.00	(\$400.00)
304.4	CRUSHED STONE (FINE GRADATION) (F)	CY	7,500.00	\$30.00	\$225,000.00	\$20.00	\$150,000.00	\$75,000.00
403.11002	HOT BITUMINOUS PAVEMENT, MACHINE METHOD (QC/QA TIER 2)	TON	5,700.00	\$70.00	\$399,000.00	\$72.00	\$410,400.00	(\$11,400.00)
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	110.00	\$125.00	\$13,750.00	\$110.00	\$12,100.00	\$1,650.00
403.4	MATERIAL TRANSFER VEHICLE (MTV)	TON	1,500.00	\$2.00	\$3,000.00	\$1.25	\$1,875.00	\$1,125.00
403.6	PAVEMENT JOINT ADHESIVE	LF	31,140.00	\$0.30	\$9,342.00	\$0.25	\$7,785.00	\$1,557.00
403.911	HOT BITUMINOUS BRIDGE PAVEMENT, 1" BASE COURSE (F)	TON	88.00	\$175.00	\$15,400.00	\$180.00	\$15,840.00	(\$440.00)
403.99	TEMPORARY BITUMINOUS PAVEMENT	TON	900.00	\$85.00	\$76,500.00	\$90.00	\$81,000.00	(\$4,500.00)
417	COLD PLANING BITUMINOUS SURFACES	SY	1,400.00	\$6.00	\$8,400.00	\$1.50	\$2,100.00	\$6,300.00
500.02	ACCESS FOR BRIDGE CONSTRUCTION	U	1.00	\$150,000.00	\$150,000.00	\$229,495.00	\$229,495.00	(\$79,495.00)
502.101	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$72,000.00	\$72,000.00	\$375,000.00	\$375,000.00	(\$303,000.00)

## A - PS&amp;E Comparison

Item No:	Description	Unit	Quantity	Unit Price	A-Bidder Total	Unit Price	PS&E Total	Total	A-PS&E Difference
502.102	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$200,000.00	\$200,000.00	\$125,000.00	\$125,000.00	\$125,000.00	\$75,000.00
503.201	COFFERDAMS	U	1.00	\$45,000.00	\$45,000.00	\$25,000.00	\$25,000.00	\$25,000.00	\$20,000.00
503.202	COFFERDAMS	U	1.00	\$50,000.00	\$50,000.00	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00
503.203	COFFERDAMS	U	1.00	\$10,000.00	\$10,000.00	\$75,000.00	\$75,000.00	\$75,000.00	(\$65,000.00)
503.301	COFFERDAMS WITH SHEETING LEFT-IN-PLACE	U	1.00	\$180,000.00	\$180,000.00	\$25,000.00	\$25,000.00	\$25,000.00	\$155,000.00
503.302	COFFERDAMS WITH SHEETING LEFT-IN-PLACE	U	1.00	\$180,000.00	\$180,000.00	\$25,000.00	\$25,000.00	\$25,000.00	\$155,000.00
504.1	COMMON BRIDGE EXCAVATION (F)	CY	4,723.00	\$18.00	\$85,014.00	\$15.00	\$70,845.00	\$70,845.00	\$14,169.00
504.2	ROCK BRIDGE EXCAVATION	CY	50.00	\$60.00	\$3,000.00	\$100.00	\$5,000.00	\$5,000.00	(\$2,000.00)
508	STRUCTURAL FILL	CY	680.00	\$41.00	\$27,880.00	\$35.00	\$23,800.00	\$23,800.00	\$4,080.00
520.01	CONCRETE CLASS AA	CY	25.00	\$450.00	\$11,250.00	\$800.00	\$20,000.00	\$20,000.00	(\$8,750.00)
520.0302	CONCRETE CLASS AA APPROACH SLABS (QC/QA)(F)	CY	92.00	\$400.00	\$36,800.00	\$350.00	\$32,200.00	\$32,200.00	\$4,600.00
520.1	CONCRETE CLASS A	CY	14.00	\$1,500.00	\$21,000.00	\$900.00	\$12,600.00	\$12,600.00	\$8,400.00
520.12	CONCRETE CLASS A, ABOVE FOOTINGS (F)	CY	1,654.00	\$475.00	\$785,650.00	\$500.00	\$827,000.00	\$827,000.00	(\$41,350.00)
520.213	CONCRETE CLASS B, FOOTINGS (ON SOIL) (F)	CY	743.00	\$300.00	\$222,900.00	\$300.00	\$222,900.00	\$222,900.00	\$0.00
520.70026	CONCRETE BRIDGE DECK (QC/QA)(PANEL OPTION)(F)	CY	871.00	\$600.00	\$522,600.00	\$800.00	\$696,800.00	\$696,800.00	(\$174,200.00)
534.3	WATER REPELLENT (SILANE/ SILOXANE)	GAL	195.00	\$65.00	\$12,675.00	\$80.00	\$15,600.00	\$15,600.00	(\$2,925.00)
538.2	BARRIER MEMBRANE, PEEL AND STICK - VERTICAL SURFACES (F)	SY	50.00	\$50.00	\$2,500.00	\$46.00	\$2,300.00	\$2,300.00	\$200.00
538.6	BARRIER MEMBRANE, HEAT WELDED - MACHINE METHOD (F)	SY	1,568.00	\$16.25	\$25,480.00	\$20.00	\$31,360.00	\$31,360.00	(\$5,880.00)
541.1	PVC WATERSTOPS, NH TYPE 1 (F)	LF	97.00	\$6.00	\$582.00	\$8.00	\$776.00	\$776.00	(\$194.00)

## A - PS&E Comparison

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		Total	A-PS&E Difference
				Unit Price	Total	Unit Price	Total		
541.4	PVC WATERSTOPS, NH TYPE 4 (F)	LF	72.00	\$9.00	\$648.00	\$10.00	\$720.00		(\$72.00)
544	REINFORCING STEEL (F)	LB	185,201.00	\$1.40	\$259,281.40	\$1.15	\$212,981.15		\$46,300.25
544.1	REINFORCING STEEL (ROADWAY)	LB	150.00	\$1.40	\$210.00	\$1.25	\$187.50		\$22.50
544.2	REINFORCING STEEL, EPOXY COATED (F)	LB	231,756.00	\$1.10	\$254,931.60	\$1.15	\$266,519.40		(\$11,587.80)
544.7	SYNTHETIC FIBER REINFORCEMENT (F)	LB	644.00	\$6.50	\$4,186.00	\$7.00	\$4,508.00		(\$322.00)
547	SHEAR CONNECTORS (F)	EA	9,195.00	\$5.30	\$48,733.50	\$5.00	\$45,975.00		\$2,758.50
548.21	ELASTOMERIC BEARING ASSEMBLIES (F)	EA	5.00	\$2,300.00	\$11,500.00	\$1,700.00	\$8,500.00		\$3,000.00
548.22	ELASTOMERIC BEARING ASSEMBLIES (F)	EA	5.00	\$2,650.00	\$13,250.00	\$4,250.00	\$21,250.00		(\$8,000.00)
548.23	ELASTOMERIC BEARING ASSEMBLIES (F)	EA	5.00	\$1,500.00	\$7,500.00	\$4,250.00	\$21,250.00		(\$13,750.00)
550.1	STRUCTURAL STEEL (F)	LB	859,934.00	\$1.28	\$1,100,715.52	\$1.40	\$1,203,907.60		(\$103,192.08)
550.2	BRIDGE SHOES (F)	EA	5.00	\$4,500.00	\$22,500.00	\$3,000.00	\$15,000.00		\$7,500.00
561.101	PREFABRICATED STRIP SEAL EXPANSION JOINT (F)	LF	73.00	\$500.00	\$36,500.00	\$550.00	\$40,150.00		(\$3,650.00)
561.301	PREFABRICATED EXPANSION JOINT, FINGER JOINT (F)	LF	73.00	\$1,100.00	\$80,300.00	\$1,200.00	\$87,600.00		(\$7,300.00)
562.1	SILICONE JOINT SEALANT (F)	LF	79.00	\$20.00	\$1,580.00	\$50.00	\$3,950.00		(\$2,370.00)
563.24	BRIDGE RAIL T4	LF	660.00	\$135.00	\$89,100.00	\$150.00	\$99,000.00		(\$9,900.00)
563.241	BRIDGE RAIL T4 WITH PROTECTIVE SCREENING	LF	224.00	\$190.00	\$42,560.00	\$200.00	\$44,800.00		(\$2,240.00)
565.242	BRIDGE APPROACH RAIL T4 (STEEL POSTS)	U	4.00	\$5,000.00	\$20,000.00	\$5,750.00	\$23,000.00		(\$3,000.00)
585.2	STONE FILL, CLASS B	CY	1,950.00	\$40.00	\$78,000.00	\$32.00	\$62,400.00		\$15,600.00
585.21	STONE FILL, CLASS B (BRIDGE)	CY	410.00	\$43.00	\$17,630.00	\$40.00	\$16,400.00		\$1,230.00
585.3	STONE FILL, CLASS C	CY	5,200.00	\$34.00	\$176,800.00	\$26.00	\$135,200.00		\$41,600.00
587.1	KEYED STONE FILL	CY	376.00	\$42.00	\$15,792.00	\$40.00	\$15,040.00		\$752.00

## A - PS&amp;E Comparison

Item No:	Description	Unit	A-Bidder		PS&E		A-PS&E Difference	
			Quantity	Unit Price	Total	Unit Price		Total
593.411	GEOTEXTILE; PERM CONTROL CL.1, NON-WOVEN	SY	4,550.00	\$3.50	\$15,925.00	\$2.50	\$11,375.00	\$4,550.00
593.421	GEOTEXTILE; PERM CONTROL CL.2, NON-WOVEN	SY	1,850.00	\$3.50	\$6,475.00	\$2.50	\$4,625.00	\$1,850.00
603.0001	VIDEO INSPECTION	LF	10,100.00	\$0.70	\$7,070.00	\$0.65	\$6,565.00	\$505.00
603.00212	12" R.C. PIPE, 2000D	LF	45.00	\$43.00	\$1,935.00	\$50.00	\$2,250.00	(\$315.00)
603.00215	15" R.C. PIPE, 2000D	LF	300.00	\$44.00	\$13,200.00	\$45.00	\$13,500.00	(\$300.00)
603.00224	24" R.C. PIPE, 2000D	LF	270.00	\$54.00	\$14,580.00	\$70.00	\$18,900.00	(\$4,320.00)
603.00336	36" R.C. PIPE, 3000D	LF	40.00	\$93.00	\$3,720.00	\$85.00	\$3,400.00	\$320.00
603.34112	12" STEEL END SECTIONS	EA	3.00	\$225.00	\$675.00	\$150.00	\$450.00	\$225.00
603.34115	15" STEEL END SECTIONS	EA	2.00	\$245.00	\$490.00	\$200.00	\$400.00	\$90.00
603.82115	15" PE PIPE (TYPE C)	LF	70.00	\$56.00	\$3,920.00	\$35.00	\$2,450.00	\$1,470.00
603.82118	18" PE PIPE (TYPE C)	LF	155.00	\$58.00	\$8,990.00	\$40.00	\$6,200.00	\$2,790.00
603.82124	24" PE PIPE (TYPE C)	LF	950.00	\$70.00	\$66,500.00	\$47.00	\$44,650.00	\$21,850.00
603.82212	12" PE PIPE (TYPE S)	LF	220.00	\$56.00	\$12,320.00	\$35.00	\$7,700.00	\$4,620.00
603.82215	15" PE PIPE (TYPE S)	LF	838.00	\$58.00	\$48,604.00	\$45.00	\$37,710.00	\$10,894.00
603.82218	18" PE PIPE (TYPE S)	LF	160.00	\$75.00	\$12,000.00	\$60.00	\$9,600.00	\$2,400.00
603.82224	24" PE PIPE (TYPE S)	LF	575.00	\$82.00	\$47,150.00	\$50.00	\$28,750.00	\$18,400.00
603.82230	30" PE PIPE (TYPE S)	LF	75.00	\$90.00	\$6,750.00	\$60.00	\$4,500.00	\$2,250.00
603.82236	36" PE PIPE (TYPE S)	LF	45.00	\$98.00	\$4,410.00	\$70.00	\$3,150.00	\$1,260.00
603.99015	15" TEMPORARY DRAIN. PIPE	LF	92.00	\$72.00	\$6,624.00	\$45.00	\$4,140.00	\$2,484.00
604.0007	POLYETHYLENE LINER	EA	17.00	\$225.00	\$3,825.00	\$130.00	\$2,210.00	\$1,615.00
604.12	CATCH BASINS TYPE B	U	14.00	\$1,800.00	\$25,200.00	\$1,950.00	\$27,300.00	(\$2,100.00)
604.1249	TEMPORARY CATCH BASINS TYPE B	U	2.00	\$2,300.00	\$4,600.00	\$1,950.00	\$3,900.00	\$700.00
604.126	CATCH BASINS TYPE B, 6-FOOT DIAMETER	U	2.00	\$3,000.00	\$6,000.00	\$3,100.00	\$6,200.00	(\$200.00)
604.128	CATCH BASINS TYPE B, 8-FOOT DIAMETER	U	1.00	\$7,200.00	\$7,200.00	\$7,000.00	\$7,000.00	\$200.00
604.16	CATCH BASINS TYPE F	U	8.00	\$1,850.00	\$14,800.00	\$2,000.00	\$16,000.00	(\$1,200.00)

## A - PS&E Comparison

PS&E = NHDOT Cost Estimate

Item No:	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
604.165	CATCH BASINS TYPE F, 5-FOOT DIAMETER	U	4.00	\$2,700.00	\$10,800.00	\$2,800.00	\$11,200.00	(\$400.00)
604.166	CATCH BASINS TYPE F, 6-FOOT DIAMETER	U	3.00	\$3,050.00	\$9,150.00	\$3,200.00	\$9,600.00	(\$450.00)
604.168	CATCH BASIN TYPE F, 8 FT DIAMETER	U	3.00	\$7,250.00	\$21,750.00	\$3,600.00	\$10,800.00	\$10,950.00
604.1941	SPECIAL CATCH BASIN TYPE G, 4 FT DIAMETER	U	5.00	\$2,000.00	\$10,000.00	\$2,800.00	\$14,000.00	(\$4,000.00)
604.1951	SPECIAL CATCH BASIN TYPE G, 5 FT DIAMETER	U	2.00	\$2,900.00	\$5,800.00	\$3,000.00	\$6,000.00	(\$200.00)
604.26	DROP INLETS TYPE F	U	2.00	\$1,700.00	\$3,400.00	\$1,800.00	\$3,600.00	(\$200.00)
604.2941	SPECIAL DROP INLET TYPE G, 4 FT DIAMETER	U	6.00	\$1,800.00	\$10,800.00	\$2,400.00	\$14,400.00	(\$3,600.00)
604.32	DRAINAGE MANHOLES	U	16.00	\$1,900.00	\$30,400.00	\$2,200.00	\$35,200.00	(\$4,800.00)
604.325	DRAINAGE MANHOLES, 5-FOOT DIAMETER	U	6.00	\$2,800.00	\$16,800.00	\$2,800.00	\$16,800.00	\$0.00
604.326	DRAINAGE MANHOLES, 6-FOOT DIAMETER	U	4.00	\$3,200.00	\$12,800.00	\$3,200.00	\$12,800.00	\$0.00
604.398	SPECIAL DRAINAGE MANHOLES, 8-FOOT DIAMETER	U	2.00	\$7,975.00	\$15,950.00	\$8,000.00	\$16,000.00	(\$50.00)
604.9101	OUTLET CONTROL STRUCTURE	U	1.00	\$2,600.00	\$2,600.00	\$4,500.00	\$4,500.00	(\$1,900.00)
604.9102	OUTLET CONTROL STRUCTURE	U	1.00	\$2,650.00	\$2,650.00	\$3,250.00	\$3,250.00	(\$600.00)
605.5069	6" PERF. CORR. POLYETHYL PIPE UND. - MODIFIED	LF	5,600.00	\$21.00	\$117,600.00	\$6.50	\$36,400.00	\$81,200.00
605.5129	12" PERF. CORR. POLYETHYL PIPE UND. - MODIFIED	LF	380.00	\$28.00	\$10,640.00	\$8.00	\$3,040.00	\$7,600.00
605.5159	15" PERF. CORR. POLYETHYL PIPE UND. - MODIFIED	LF	75.00	\$30.00	\$2,250.00	\$10.00	\$750.00	\$1,500.00
605.5189	18" PERF. CORR. POLYETHYL PIPE UND. - MODIFIED	LF	390.00	\$35.00	\$13,650.00	\$12.00	\$4,680.00	\$8,970.00

# A - PS&E Comparison

PS&E = NHDOT Cost Estimate

Item No:	Description	Unit	A-Bidder		PS&E		A-PS&E Difference	
			Quantity	Unit Price	Total	Unit Price		Total
605.79	UNDERDRAIN FLUSHING BASINS	EA	6.00	\$280.00	\$1,680.00	\$400.00	\$2,400.00	(\$720.00)
606.1254	BAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT 50 FT) (STEEL POST)	U	6.00	\$1,800.00	\$10,800.00	\$2,000.00	\$12,000.00	(\$1,200.00)
606.127	BAM GUARDRAIL (TERMINAL UNIT TYPE G-2) (STEEL POST)	U	2.00	\$450.00	\$900.00	\$500.00	\$1,000.00	(\$100.00)
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	1,700.00	\$16.00	\$27,200.00	\$15.00	\$25,500.00	\$1,700.00
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	160.00	\$23.00	\$3,680.00	\$25.00	\$4,000.00	(\$320.00)
606.5716	WOOD GUARDRAIL (DOUBLE 4"X8" RAIL, 6'-6" WOOD POSTS)	LF	137.50	\$45.00	\$6,187.50	\$40.00	\$5,500.00	\$687.50
606.9522	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 2	U	2.00	\$2,800.00	\$5,600.00	\$3,000.00	\$6,000.00	(\$400.00)
608.26	6" CONCRETE SIDEWALK (F)	SY	255.00	\$38.00	\$9,690.00	\$40.00	\$10,200.00	(\$510.00)
608.74	4" STONE DUST WEARING SURFACE FOR TRAILS	CY	140.00	\$76.00	\$10,640.00	\$25.00	\$3,500.00	\$7,140.00
609.01	STRAIGHT GRANITE CURB	LF	890.00	\$16.50	\$14,685.00	\$19.00	\$16,910.00	(\$2,225.00)
609.01187	STRAIGHT GRANITE CURB 18 IN HIGH, W/3 IN ROUNDED EDGE	LF	130.00	\$28.00	\$3,640.00	\$40.00	\$5,200.00	(\$1,560.00)
609.214	STRAIGHT GRANITE SLOPE CURB, 4" HIGH	LF	180.00	\$14.00	\$2,520.00	\$15.00	\$2,700.00	(\$180.00)
609.216	STRAIGHT GRANITE SLOPE CURB 6" HIGH	LF	305.00	\$16.00	\$4,880.00	\$15.00	\$4,575.00	\$305.00
609.226	STRAIGHT GRANITE SLOPE CURB WITH RADIAL JOINTS, 6" HIGH	LF	40.00	\$16.00	\$640.00	\$15.00	\$600.00	\$40.00



## A - PS&E Comparison

PS&E = NHDOT Cost Estimate

Item No:	Description	Unit	Quantity	A-Bidder		PS&E		Total	A-PS&E Difference
				Unit Price	Total	Unit Price	Total		
612.21283	24" STEEL CASING WITH 10" HDPE FORCE MAIN	LF	105.00	\$200.00	\$21,000.00	\$235.00	\$24,675.00	(\$3,675.00)	
612.352	AIR RELEASE VALVE SEWER MANHOLE	EA	1.00	\$12,500.00	\$12,500.00	\$25,000.00	\$25,000.00	(\$12,500.00)	
612.72410	10" HDPE FORCE MAIN, SDR 17	LF	961.00	\$60.00	\$57,660.00	\$135.00	\$129,735.00	(\$72,075.00)	
612.86510	10" COUPLING	EA	2.00	\$1,000.00	\$2,000.00	\$2,500.00	\$5,000.00	(\$3,000.00)	
612.951	SEWER MAIN INSULATION	SY	36.00	\$24.00	\$864.00	\$15.00	\$540.00	\$324.00	
615.02	TRAFFIC SIGN TYPE B (F)	SF	45.50	\$125.00	\$5,687.50	\$60.00	\$2,730.00	\$2,957.50	
615.022	TRAFFIC SIGN TYPE B, BREAKAWAY MOUNTS (F)	SF	22.75	\$200.00	\$4,550.00	\$110.00	\$2,502.50	\$2,047.50	
615.024	RELOCATING TRAFFIC SIGN, TYPE B	U	1.00	\$200.00	\$200.00	\$325.00	\$325.00	(\$125.00)	
615.03	TRAFFIC SIGN TYPE C (F)	SF	187.25	\$45.00	\$8,426.25	\$40.00	\$7,490.00	\$936.25	
615.06	TRAFFIC SIGN TYPE CC (F)	SF	52.59	\$12.00	\$631.08	\$11.00	\$578.49	\$52.59	
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	35,600.00	\$1.00	\$35,600.00	\$1.00	\$35,600.00	\$0.00	
618.7	FLAGGERS	HR	6,000.00	\$20.00	\$120,000.00	\$21.00	\$126,000.00	(\$6,000.00)	
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$40,000.00	\$40,000.00	\$100,000.00	\$100,000.00	(\$60,000.00)	
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	3.00	\$13,000.00	\$39,000.00	\$3,700.00	\$11,100.00	\$27,900.00	
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	30.00	\$5.00	\$150.00	\$3.25	\$97.50	\$52.50	
621.31	SINGLE DELINEATOR WITH POST	EA	70.00	\$38.00	\$2,660.00	\$32.00	\$2,240.00	\$420.00	
622.1	STEEL WITNESS MARKERS	EA	65.00	\$25.00	\$1,625.00	\$25.00	\$1,625.00	\$0.00	
622.2	CONCRETE BOUNDS	EA	19.00	\$300.00	\$5,700.00	\$300.00	\$5,700.00	\$0.00	
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	32,500.00	\$0.18	\$5,850.00	\$0.15	\$4,875.00	\$975.00	
632.3104	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 4" LINE	LF	320.00	\$1.50	\$480.00	\$0.60	\$192.00	\$288.00	
632.3108	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 8" LINE	LF	125.00	\$2.50	\$312.50	\$1.00	\$125.00	\$187.50	

## A - PS&amp;E Comparison

Item No:	Description	Unit	A-Bidder		PS&E		A-PS&E Difference	
			Quantity	Unit Price	Total	Unit Price		Total
632.3118	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 18" LINE	LF	65.00	\$5.00	\$325.00	\$3.50	\$227.50	\$97.50
632.32	RETROREFLECT. THERMOPLAS. PAVEMENT MARKING, SYMBOL OR WORD	SF	60.00	\$5.00	\$300.00	\$6.00	\$360.00	(\$60.00)
641	LOAM	CY	85.00	\$22.00	\$1,870.00	\$25.00	\$2,125.00	(\$255.00)
644.82	SALT-TOLERANT GRASS SEED, TYPE 82	LB	40.00	\$38.00	\$1,520.00	\$20.00	\$800.00	\$720.00
645.0001	TURBIDITY BARRIER	LF	550.00	\$20.00	\$11,000.00	\$20.00	\$11,000.00	\$0.00
645.3	EROSION STONE	TON	1,500.00	\$24.00	\$36,000.00	\$22.00	\$33,000.00	\$3,000.00
645.42	TEMPORARY SLOPE STABILIZATION TYPE B (WILDLIFE FRIENDLY)	SY	28,000.00	\$1.25	\$35,000.00	\$1.20	\$33,600.00	\$1,400.00
645.44	TEMPORARY SLOPE STABILIZATION TYPE D (WILDLIFE FRIENDLY)	SY	15,200.00	\$1.35	\$20,520.00	\$1.50	\$22,800.00	(\$2,280.00)
645.51	HAY BALES FOR TEMPORARY EROSION CONTROL	EA	160.00	\$8.00	\$1,280.00	\$10.00	\$1,600.00	(\$320.00)
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	2,200.00	\$3.00	\$6,600.00	\$5.00	\$11,000.00	(\$4,400.00)
645.531	SILT FENCE	LF	1,600.00	\$2.50	\$4,000.00	\$2.25	\$3,600.00	\$400.00
645.7	STORM WATER POLLUTION PREVENTION PLAN	U	1.00	\$2,500.00	\$2,500.00	\$5,000.00	\$5,000.00	(\$2,500.00)
645.71	MONITORING SWPPP AND EROSION AND SEDIMENT CONTROLS	HR	220.00	\$45.00	\$9,900.00	\$55.00	\$12,100.00	(\$2,200.00)
646.3	TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS	A	7.00	\$1,700.00	\$11,900.00	\$1,800.00	\$12,600.00	(\$700.00)
647.1	HUMUS	CY	2,500.00	\$19.00	\$47,500.00	\$15.00	\$37,500.00	\$10,000.00
647.16	HUMUS, 6 IN DEEP	CY	270.00	\$14.50	\$3,915.00	\$15.00	\$4,050.00	(\$135.00)
650.2	LANDSCAPING	U	1.00	\$8,000.00	\$8,000.00	\$6,365.00	\$6,365.00	\$1,635.00

# A - PS&E Comparison

PS&E = NHDOT Cost Estimate

Item No:	Description	Unit	A-Bidder		PS&E		A-PS&E Difference
			Quantity	Unit Price	Unit Price	Total	
670.02	SEDIMENT SUMP MEASURING BLOCK	EA	2.00	\$525.00	\$275.00	\$550.00	\$500.00
670.04501	CONSTRUCT AND REMOVE DIVERSION	U	1.00	\$6,000.00	\$44,000.00	\$44,000.00	(\$38,000.00)
670.104	TEMPORARY PORTABLE LIGHTING	U	2.00	\$9,000.00	\$8,000.00	\$16,000.00	\$2,000.00
670.95	TEMPORARY SAFETY FENCE	LF	1,125.00	\$5.00	\$4.00	\$4,500.00	\$1,125.00
692	MOBILIZATION	U	1.00	\$800,000.00	\$249,957.65	\$249,957.65	\$550,042.35
693	ON-THE-JOB TRAINING OF UNSKILLED WORKERS	\$	600.00	\$1.00	\$1.00	\$600.00	\$0.00
697.11	INVASIVE SPECIES CONTROL AND MANAGEMENT PLAN	U	1.00	\$500.00	\$2,800.00	\$2,800.00	(\$2,300.00)
697.41	CRITICAL PATH METHOD(CPM) ELECTRONIC SCHEDULE	U	1.00	\$1,000.00	\$7,500.00	\$7,500.00	(\$6,500.00)
698.12	FIELD OFFICE TYPE B	MON	24.00	\$1,700.00	\$1,500.00	\$36,000.00	\$4,800.00
698.2	PHYSICAL TESTING LABORATORY	MON	24.00	\$800.00	\$800.00	\$19,200.00	\$0.00
699	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	5,000.00	\$1.00	\$1.00	\$5,000.00	\$0.00
1010.15	FUEL ADJUSTMENT	\$	70,000.00	\$1.00	\$1.00	\$70,000.00	\$0.00
1010.2	ASPHALT CEMENT ADJUSTMENT	\$	25,000.00	\$1.00	\$1.00	\$25,000.00	\$0.00
1010.3	QUALITY CONTROL QUALITY ASSURANCE(QC/QA) ASPHALT	\$	21,000.00	\$1.00	\$1.00	\$21,000.00	\$0.00
1010.41	QUALITY CONTROL QUALITY ASSURANCE(QC/QA) FOR CONCRETE	\$	33,000.00	\$1.00	\$1.00	\$33,000.00	\$0.00
						\$8,943,584.35	\$317,992.56





# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
5/6/2014

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

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

**COVERAGES** **CERTIFICATE NUMBER:** 14-15 all lines **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<b>GENERAL LIABILITY</b> <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> CG0001 GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input checked="" type="checkbox"/> LOC			VTNCO2398A78A-PHX-14	1/1/2014	1/1/2015	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
A	<b>AUTOMOBILE LIABILITY</b> <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS			VTOCAP2398A791-COF-14	1/1/2014	1/1/2015	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ Medical payments \$ 2,000
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 10,000			VTSMJCUP2398A809-TIL-14	1/1/2014	1/1/2015	EACH OCCURRENCE \$ 10,000,000 AGGREGATE \$ 10,000,000
A	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		N/A	3A States: NH, ME VTRKUB-2398A77-8-14	1/1/2014	1/1/2015	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 500,000 E.L. DISEASE - EA EMPLOYEE \$ 500,000 E.L. DISEASE - POLICY LIMIT \$ 500,000
A	Leased/Rented			QT-660-3082B427-COF-14	1/1/2014	1/1/2015	Limit 750,000

**DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES** (Attach ACORD 101, Additional Remarks Schedule, if more space is required)  
 Lebanon X-A000(141) 13951 - Bridge Replacement on US 4 over both the Mascoma River and the Northern Rail Trail Corridor. Certificate holder is included as an additional insured all liability policies except workers compensation when required by written contract

<b>CERTIFICATE HOLDER</b>  State of NH Department of Transportation P.O. Box 483 Concord, NH 03302-0483	<b>CANCELLATION</b>  SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	<b>AUTHORIZED REPRESENTATIVE</b>  C Holman, CPCU, CIC/C <i>Christine Holman</i>



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
5/6/2014

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**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

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

**COVERAGES**      **CERTIFICATE NUMBER:** OCP Lebanon Project      **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<b>GENERAL LIABILITY</b> <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Owners & Contractors <input type="checkbox"/> Protective Liability GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC			642014OCPLEB	06/04/2014	06/04/2015	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 \$ \$
	<b>AUTOMOBILE LIABILITY</b> <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
	<b>UMBRELLA LIAB</b> <input type="checkbox"/> OCCUR <b>EXCESS LIAB</b> <input type="checkbox"/> CLAIMS-MADE DED    RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$ \$
	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below			N/A			WC STATUTORY LIMITS    OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$

**DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES** (Attach ACORD 101, Additional Remarks Schedule, if more space is required)  
Project: Lebanon X-A000(141) 13951 Bridge Replacement on US 4 over both the Mascoma River and the Northern Rail Trail Corridor.

<b>CERTIFICATE HOLDER</b>  State of New Hampshire Dept of Transportation PO Box 483 Concord, NH 03302-0483	<b>CANCELLATION</b>  SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	<b>AUTHORIZED REPRESENTATIVE</b>  Susan Gilman/SJG 