



# Engineer's Estimate Report

HINSDALE, NH - BRATTLEBORO, VT

12210C

A004(152)

<b>Funding Group Name</b> 3 - Bridge Hinsdale 043/044 VT Substruct (100% VT)	<b>Funding Code(s)</b> N/A
<b>Description</b> Hinsdale 043/044 NH 119 over Connecticut River (100% VT)	<b>Bridge Number</b> Hinsdale - 043/044

Item No.	Description	Unit	Quantity	Unit Price	Total
209.201	GRANULAR BACKFILL (BRIDGE) (F)	CY	789.00	\$45.00	\$35,505.00
504.1	COMMON BRIDGE EXCAVATION (F)	CY	1,037.00	\$35.00	\$36,295.00
508.	STRUCTURAL FILL	CY	105.00	\$75.00	\$7,875.00
510.61	FURNISHING & DRIVING STEEL BEARING PILES	LB	296,604.00	\$0.50	\$148,302.00
510.65	DRIVING-POINTS FOR STEEL BEARING PILES	EA	33.00	\$180.00	\$5,940.00
510.9	PILE SPLICES	EA	66.00	\$50.00	\$3,300.00
520.0302	CONCRETE CLASS AA APPROACH SLABS (QC/QA) (F)	CY	39.00	\$570.00	\$22,230.00
520.12	CONCRETE CLASS A, ABOVE FOOTINGS (F)	CY	480.00	\$1,000.00	\$480,000.00
520.213	CONCRETE CLASS B, FOOTINGS (ON SOIL) (F)	CY	202.00	\$600.00	\$121,200.00
520.351	FORM LINER FOR CONCRETE (F)	SY	62.00	\$10.00	\$620.00
520.70026	CONCRETE BRIDGE DECK (QC/QA)(PANEL OPTION)(F)	CY	17.00	\$850.00	\$14,450.00
534.3	WATER REPELLENT (SILANE/SILOXANE)	GAL	39.00	\$150.00	\$5,850.00
538.2	BARRIER MEMBRANE, PEEL AND STICK - VERTICAL SURFACES (F)	SY	22.00	\$150.00	\$3,300.00
538.6	BARRIER MEMBRANE, HEAT WELDED - MACHINE METHOD (F)	SY	100.00	\$25.00	\$2,500.00
541.1	PVC WATERSTOPS, NH TYPE 1 (F)	LF	43.00	\$10.00	\$430.00
541.2	PVC WATERSTOPS, NH TYPE 2 (F)	LF	39.00	\$10.00	\$390.00
541.4	PVC WATERSTOPS, NH TYPE 4 (F)	LF	45.00	\$10.00	\$450.00
544.	REINFORCING STEEL (F)	LB	19,518.00	\$1.25	\$24,397.50
544.2	REINFORCING STEEL, EPOXY COATED (F)	LB	908.00	\$1.60	\$1,452.80
544.7	SYNTHETIC FIBER REINFORCEMENT (F)	LB	270.00	\$8.25	\$2,227.50
548.21	ELASTOMERIC BEARING ASSEMBLIES (F)	EA	10.00	\$1,200.00	\$12,000.00
561.2001	PREFABRICATED MODULAR BRIDGE JOINT SYSTEM (F)	LF	53.00	\$1,750.00	\$92,750.00
562.1	SILICONE JOINT SEALANT (F)	LF	61.00	\$15.00	\$915.00



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Item No.	Description	Unit	Quantity	Unit Price	Total
565.232	BRIDGE APPROACH RAIL T3 (STEEL POSTS)	U	1.00	\$5,500.00	\$5,500.00
565.242	BRIDGE APPROACH RAIL T4 (STEEL POSTS)	U	1.00	\$6,000.00	\$6,000.00
609.01	STRAIGHT GRANITE CURB	LF	65.00	\$22.00	\$1,430.00
<b>Hinsdale 043/044 NH 119 over Connecticut River (100% VT) Bid Items Subtotal:</b>					<b>\$1,035,309.80</b>
Hinsdale 043/044 NH 119 over Connecticut River (100% VT) Bid Items and CBI Total					\$1,035,309.80
Hinsdale 043/044 NH 119 over Connecticut River (100% VT) Inspection Items Total					\$0.00
Hinsdale 043/044 NH 119 over Connecticut River (100% VT) Construction Engineering Total					\$0.00
<b>Hinsdale 043/044 NH 119 over Connecticut River (100% VT) Total</b>					<b>\$1,035,309.80</b>

<b>Funding Group Name</b>	<b>Funding Code(s)</b>
2 - Bridge Hinsdale 043/044 NH Substruct (100% NH)	N/A
<b>Description</b>	<b>Bridge Number</b>
Hinsdale 043/044 NH 119 over Connecticut River (100% NH)	Hinsdale - 043/044

Item No.	Description	Unit	Quantity	Unit Price	Total
203.1	COMMON EXCAVATION	CY	150.00	\$10.00	\$1,500.00
207.1	COMMON CHANNEL EXCAVATION	CY	438.00	\$25.00	\$10,950.00
209.201	GRANULAR BACKFILL (BRIDGE) (F)	CY	1,311.00	\$45.00	\$58,995.00
503.201	COFFERDAMS	U	1.00	\$24,000.00	\$24,000.00
504.1	COMMON BRIDGE EXCAVATION (F)	CY	2,348.00	\$35.00	\$82,180.00
508.	STRUCTURAL FILL	CY	90.00	\$75.00	\$6,750.00
510.61	FURNISHING & DRIVING STEEL BEARING PILES	LB	1,779,624.00	\$0.50	\$889,812.00
510.65	DRIVING-POINTS FOR STEEL BEARING PILES	EA	198.00	\$180.00	\$35,640.00
510.9	PILE SPLICES	EA	396.00	\$50.00	\$19,800.00
520.0302	CONCRETE CLASS AA APPROACH SLABS (QC/QA) (F)	CY	39.00	\$570.00	\$22,230.00
520.12	CONCRETE CLASS A, ABOVE FOOTINGS (F)	CY	2,206.00	\$1,000.00	\$2,206,000.00
520.213	CONCRETE CLASS B, FOOTINGS (ON SOIL) (F)	CY	784.00	\$600.00	\$470,400.00
520.351	FORM LINER FOR CONCRETE (F)	SY	411.00	\$10.00	\$4,110.00
520.6	CONCRETE CLASS T, FOUNDATION SEAL	CY	3,861.00	\$350.00	\$1,351,350.00
520.70026	CONCRETE BRIDGE DECK (QC/QA)(PANEL OPTION)(F)	CY	16.00	\$850.00	\$13,600.00



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Item No.	Description	Unit	Quantity	Unit Price	Total
534.3	WATER REPELLENT (SILANE/SILOXANE)	GAL	189.00	\$150.00	\$28,350.00
538.2	BARRIER MEMBRANE, PEEL AND STICK - VERTICAL SURFACES (F)	SY	23.00	\$150.00	\$3,450.00
538.6	BARRIER MEMBRANE, HEAT WELDED - MACHINE METHOD (F)	SY	85.00	\$25.00	\$2,125.00
541.1	PVC WATERSTOPS, NH TYPE 1 (F)	LF	38.00	\$10.00	\$380.00
541.2	PVC WATERSTOPS, NH TYPE 2 (F)	LF	43.00	\$10.00	\$430.00
541.4	PVC WATERSTOPS, NH TYPE 4 (F)	LF	48.00	\$10.00	\$480.00
544.	REINFORCING STEEL (F)	LB	462,482.00	\$1.25	\$578,102.50
544.2	REINFORCING STEEL, EPOXY COATED (F)	LB	720.00	\$1.60	\$1,152.00
544.7	SYNTHETIC FIBER REINFORCEMENT (F)	LB	270.00	\$8.25	\$2,227.50
548.21	ELASTOMERIC BEARING ASSEMBLIES (F)	EA	15.00	\$1,200.00	\$18,000.00
550.2101	BRIDGE SHOES - HLMR	EA	20.00	\$2,500.00	\$50,000.00
561.2002	PREFABRICATED MODULAR BRIDGE JOINT SYSTEM (F)	LF	49.00	\$1,750.00	\$85,750.00
562.1	SILICONE JOINT SEALANT (F)	LF	65.00	\$15.00	\$975.00
565.232	BRIDGE APPROACH RAIL T3 (STEEL POSTS)	U	1.00	\$5,500.00	\$5,500.00
565.242	BRIDGE APPROACH RAIL T4 (STEEL POSTS)	U	1.00	\$6,000.00	\$6,000.00
585.2	STONE FILL, CLASS B	CY	67.00	\$30.00	\$2,010.00
609.02	CURVED GRANITE CURB	LF	65.00	\$32.00	\$2,080.00

<b>Hinsdale 043/044 NH 119 over Connecticut River (100% NH) Bid Items Subtotal:</b>				<b>\$5,984,329.00</b>
Hinsdale 043/044 NH 119 over Connecticut River (100% NH) Bid Items and CBI Total				\$5,984,329.00
Hinsdale 043/044 NH 119 over Connecticut River (100% NH) Inspection Items Total				\$0.00
Hinsdale 043/044 NH 119 over Connecticut River (100% NH) Construction Engineering Total				\$0.00
<b>Hinsdale 043/044 NH 119 over Connecticut River (100% NH) Total</b>				<b>\$5,984,329.00</b>

<b>Funding Group Name</b>	<b>Funding Code(s)</b>
1 - Bridge Hinsdale 043/044 Superstruct (Shared)	N/A
<b>Description</b>	<b>Bridge Number</b>
Hinsdale 043/044 NH 119 over Connecticut River (83% NH, 17% VT)	Hinsdale - 043/044

Item No.	Description	Unit	Quantity	Unit Price	Total
403.11	HOT BITUMINOUS PAVEMENT, MACHINE METHOD	TON	675.00	\$75.00	\$50,625.00



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Item No.	Description	Unit	Quantity	Unit Price	Total
403.61	PAVEMENT JOINT ADHESIVE (BRIDGE BASE)	LF	9,012.00	\$1.50	\$13,518.00
403.911	HOT BITUMINOUS BRIDGE PAVEMENT, 1" BASE COURSE	TON	456.00	\$160.00	\$72,960.00
500.02	ACCESS FOR BRIDGE CONSTRUCTION	U	1.00	\$6,000,000.00	\$6,000,000.00
510.1	PILE DRIVING EQUIPMENT	U	2.00	\$50,000.00	\$100,000.00
520.70026	CONCRETE BRIDGE DECK (QC/QA)(PANEL OPTION)(F)	CY	3,515.00	\$850.00	\$2,987,750.00
534.3	WATER REPELLENT (SILANE/SILOXANE)	GAL	214.00	\$150.00	\$32,100.00
538.6	BARRIER MEMBRANE, HEAT WELDED - MACHINE METHOD (F)	SY	7,940.00	\$25.00	\$198,500.00
544.2	REINFORCING STEEL, EPOXY COATED (F)	LB	1,061,435.00	\$1.60	\$1,698,296.00
547.	SHEAR CONNECTORS (F)	EA	25,250.00	\$5.25	\$132,562.50
550.1	STRUCTURAL STEEL (F)	LB	6,336,900.00	\$1.75	\$11,089,575.00
563.23	BRIDGE RAIL T3	LF	1,532.00	\$135.00	\$206,820.00
563.231	BRIDGE RAIL T3 WITH PROTECTIVE SCREENING	LF	48.00	\$180.00	\$8,640.00
563.233	BRIDGE RAIL T3 WITH SNOW SCREENING	LF	192.00	\$180.00	\$34,560.00
563.24	BRIDGE RAIL T4	LF	1,566.00	\$141.00	\$220,806.00
563.241	BRIDGE RAIL T4 WITH PROTECTIVE SCREENING	LF	48.00	\$205.00	\$9,840.00
563.243	BRIDGE RAIL T4 WITH SNOW SCREENING	LF	192.00	\$205.00	\$39,360.00
564.1	BRIDGE LIGHTING SYSTEM	U	1.00	\$50,000.00	\$50,000.00
692.	MOBILIZATION	U	1.00	\$2,400,000.00	\$2,400,000.00
1002.1	REPAIRS OR REPLACEMENTS AS NEEDED - BRIDGE STRUCTURES	\$	960,823.69	\$1.00	\$960,823.69
1010.41	QUALITY CONTROL QUALITY ASSURANCE (QC/QA) FOR CONCRETE	\$	214,218.20	\$1.00	\$214,218.20
<b>Hinsdale 043/044 NH 119 over Connecticut River (83% NH, 17% VT) Bid Items</b>					<b>\$26,520,954.39</b>
<b>Subtotal:</b>					
1020.02	INSPECTION - PAINT	\$	10,000.00	\$1.00	\$10,000.00
1020.03	INSPECTION - STEEL	\$	120,000.00	\$1.00	\$120,000.00
<b>Hinsdale 043/044 NH 119 over Connecticut River (83% NH, 17% VT) Inspections</b>					<b>\$130,000.00</b>
<b>Subtotal:</b>					



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Hinsdale 043/044 NH 119 over Connecticut River (83% NH, 17% VT) Bid Items and CBI Total	\$26,520,954.39
Hinsdale 043/044 NH 119 over Connecticut River (83% NH, 17% VT) Inspection Items Total	\$130,000.00
Hinsdale 043/044 NH 119 over Connecticut River (83% NH, 17% VT) Construction Engineering Total	\$0.00
<b>Hinsdale 043/044 NH 119 over Connecticut River (83% NH, 17% VT) Total</b>	<b>\$26,650,954.39</b>

<b>Funding Group Name</b> Roadway VT (100% VT)	<b>Funding Code(s)</b> N/A
<b>Description</b> Roadway VT (100% VT)	<b>Bridge Number</b> N/A

Item No.	Description	Unit	Quantity	Unit Price	Total
201.1	CLEARING AND GRUBBING (F)	A	0.20	\$30,000.00	\$6,000.00
202.201	DEMOLISHING BUILDINGS	U	1.00	\$75,000.00	\$75,000.00
202.202	DEMOLISHING BUILDINGS	U	1.00	\$50,000.00	\$50,000.00
202.301	BUILDING ASBESTOS ABATEMENT	U	1.00	\$25,000.00	\$25,000.00
202.302	BUILDING ASBESTOS ABATEMENT	U	1.00	\$25,000.00	\$25,000.00
202.41	REMOVAL OF EXISTING PIPE 0-24" DIAMETER	LF	450.00	\$30.00	\$13,500.00
202.5	REMOVAL OF CATCH BASINS, DROP INLETS, AND MANHOLES	EA	5.00	\$560.00	\$2,800.00
203.1	COMMON EXCAVATION	CY	4,700.00	\$10.00	\$47,000.00
203.11	COMMON EXCAVATION - LRS	CY	1,200.00	\$15.00	\$18,000.00
203.2	ROCK EXCAVATION	CY	120.00	\$50.00	\$6,000.00
203.53	LOW PERMEABILITY FILL (F)	CY	280.00	\$15.00	\$4,200.00
203.55553	GUARDRAIL EAGRT OFFSET PLATFORM, TL 2	U	2.00	\$1,200.00	\$2,400.00
203.6	EMBANKMENT-IN-PLACE (F)	CY	14,000.00	\$10.00	\$140,000.00
206.1	COMMON STRUCTURE EXCAVATION	CY	100.00	\$25.00	\$2,500.00
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	40.00	\$75.00	\$3,000.00
206.2	ROCK STRUCTURE EXCAVATION	CY	25.00	\$80.00	\$2,000.00
209.4	GRANULAR BACKFILL (GRAV)	CY	125.00	\$50.00	\$6,250.00
214.	FINE GRADING	U	1.00	\$16,100.00	\$16,100.00
304.1	SAND (F)	CY	2,420.00	\$20.00	\$48,400.00
304.4	CRUSHED STONE (FINE GRADATION) (F)	CY	2,680.00	\$40.00	\$107,200.00



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Item No.	Description	Unit	Quantity	Unit Price	Total
304.5	CRUSHED STONE (COARSE GRADATION) (F)	CY	2,420.00	\$35.00	\$84,700.00
403.11002	HOT BITUMINOUS PAVEMENT, MACHINE METHOD (QC/QA TIER 2)	TON	1,900.00	\$85.00	\$161,500.00
403.11902	HBP - MACHINE METHOD, HIGH STRENGTH (QC/QA TIER 2)	TON	760.00	\$105.00	\$79,800.00
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	250.00	\$125.00	\$31,250.00
403.4	MATERIAL TRANSFER VEHICLE (MTV)	TON	2,660.00	\$2.00	\$5,320.00
403.6	PAVEMENT JOINT ADHESIVE	LF	10,500.00	\$0.50	\$5,250.00
403.99	TEMPORARY BITUMINOUS PAVEMENT	TON	25.00	\$100.00	\$2,500.00
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	270.00	\$5.00	\$1,350.00
417.	COLD PLANING BITUMINOUS SURFACES	SY	450.00	\$5.00	\$2,250.00
503.201	COFFERDAMS	U	1.00	\$24,000.00	\$24,000.00
520.1	CONCRETE CLASS A	CY	6.00	\$1,000.00	\$6,000.00
585.3	STONE FILL, CLASS C	CY	100.00	\$40.00	\$4,000.00
585.5	STONE FILL, CLASS E	CY	330.00	\$35.00	\$11,550.00
585.7	STONE FILL, CLASS G	CY	25.00	\$50.00	\$1,250.00
592.1	MECHANICALLY STABILIZED EARTH RETAINING WALL	SF	2,100.00	\$50.00	\$105,000.00
592.11	MECHANICALLY STABILIZED EARTH RETAINING WALL	SF	1,800.00	\$50.00	\$90,000.00
593.421	GEOTEXTILE; PERM CONTROL CL.2, NON-WOVEN	SY	1,000.00	\$2.50	\$2,500.00
603.0001	VIDEO INSPECTION	LF	3,560.00	\$2.00	\$7,120.00
603.00215	15" R.C. PIPE, 2000D	LF	700.00	\$56.00	\$39,200.00
603.00218	18" R.C. PIPE, 2000D	LF	650.00	\$77.00	\$50,050.00
603.00224	24" R.C. PIPE, 2000D	LF	1,650.00	\$220.00	\$363,000.00
603.00230	30" R.C. PIPE, 2000D	LF	560.00	\$115.00	\$64,400.00
604.0007	POLYETHYLENE LINER	EA	26.00	\$200.00	\$5,200.00
604.124	CATCH BASINS TYPE B, 4-FOOT DIAMETER	U	24.70	\$2,400.00	\$59,280.00
604.126	CATCH BASINS TYPE B, 6-FOOT DIAMETER	U	2.50	\$6,000.00	\$15,000.00
604.164	CATCH BASINS TYPE F, 4-FOOT DIAMETER	U	5.90	\$3,400.00	\$20,060.00
604.166	CATCH BASINS TYPE F, 6-FOOT DIAMETER	U	1.70	\$3,400.00	\$5,780.00



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Item No.	Description	Unit	Quantity	Unit Price	Total
604.324	DRAINAGE MANHOLES, 4-FOOT DIAMETER	U	10.40	\$3,400.00	\$35,360.00
604.9101	OUTLET CONTROL STRUCTURE	U	1.00	\$10,000.00	\$10,000.00
604.921	LEACHING CHAMBER TYPE I	U	1.00	\$1,400.00	\$1,400.00
604.922	LEACHING CHAMBER TYPE II	U	1.00	\$1,400.00	\$1,400.00
605.508	8" PERF. CORR. POLYETHYLENE PIPE UNDERDRAIN	LF	125.00	\$20.00	\$2,500.00
606.1255	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 2) (STEEL POST)	U	2.00	\$2,400.00	\$4,800.00
606.1285	BEAM GUARDRAIL (BRIDGE APPROACH UNIT)	U	2.00	\$3,000.00	\$6,000.00
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	762.50	\$25.00	\$19,062.50
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	3,990.00	\$27.75	\$110,722.50
607.250	CHAIN LINK FENCE WITH ALUMINUM COATED STEEL FABRIC, 5' HIGH	LF	410.00	\$15.00	\$6,150.00
607.4250	POST ASSEMBLIES FOR CHAIN LINK FENCE, 5' HIGH	EA	45.00	\$200.00	\$9,000.00
607.72518	18' OPENING DOUBLE GATE, CHAIN LINK ALUM. COATED STEEL FABRIC, 5' HIGH	U	1.00	\$1,800.00	\$1,800.00
608.24	4" CONCRETE SIDEWALK (F)	SY	1,120.00	\$45.00	\$50,400.00
608.54	DETECTABLE WARNING DEVICES, CAST IRON	SY	5.00	\$435.00	\$2,175.00
609.01	STRAIGHT GRANITE CURB	LF	3,700.00	\$22.00	\$81,400.00
609.22	STRAIGHT GRANITE SLOPE CURB WITH RADIAL JOINTS	LF	60.00	\$21.00	\$1,260.00
616.101	TRAFFIC SIGNALS	U	1.00	\$175,000.00	\$175,000.00
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	20.00	\$5.50	\$110.00
621.31	SINGLE DELINEATOR WITH POST	EA	20.00	\$42.00	\$840.00
621.32	DOUBLE DELINEATOR WITH POST	EA	1.00	\$48.00	\$48.00
628.2	SAWED BITUMINOUS PAVEMENT	LF	170.00	\$2.50	\$425.00
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	42,400.00	\$0.15	\$6,360.00
632.3106	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 6" LINE	LF	150.00	\$1.50	\$225.00
632.3118	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 18" LINE	LF	80.00	\$6.50	\$520.00
632.32	RETROREFLECT. THERMOPLAS. PAVEMENT MARKING, SYMBOL OR WORD	SF	150.00	\$8.00	\$1,200.00
641.	LOAM	CY	600.00	\$32.00	\$19,200.00



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Item No.	Description	Unit	Quantity	Unit Price	Total
644.82	SALT-TOLERANT GRASS SEED, TYPE 82	LB	12.00	\$50.00	\$600.00
645.44	TEMPORARY SLOPE MATTING TYPE D (WILDLIFE FRIENDLY)	SY	1,000.00	\$2.00	\$2,000.00
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	1,000.00	\$5.00	\$5,000.00
645.52	RYEGRASS FOR TEMPORARY EROSION CONTROL	LB	10.00	\$5.00	\$50.00
645.531	SILT FENCE	LF	2,500.00	\$3.00	\$7,500.00
646.3	TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS	A	1.10	\$2,125.00	\$2,337.50
647.1	HUMUS	CY	600.00	\$20.00	\$12,000.00
647.29	WETLAND HUMUS	CY	55.00	\$20.00	\$1,100.00
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	125,000.00	\$1.00	\$125,000.00
990.01	PLANNING CONTINGENCY - ROADWAY	\$	250,000.00	\$1.00	\$250,000.00
1010.3	QUALITY CONTROL QUALITY ASSURANCE (QC/QA) ASPHALT	\$	12,065.00	\$1.00	\$12,065.00
<b>Roadway VT (100% VT) Bid Items Subtotal:</b>					<b>\$2,812,670.50</b>
Roadway VT (100% VT) Bid Items and CBI Total					\$2,812,670.50
Roadway VT (100% VT) Inspection Items Total					\$0.00
Roadway VT (100% VT) Construction Engineering Total					\$0.00
<b>Roadway VT (100% VT) Total</b>					<b>\$2,812,670.50</b>

Funding Group Name	Funding Code(s)
Roadway NH (100% NH)	N/A
Description	Bridge Number
Roadway NH (100% NH)	N/A

Item No.	Description	Unit	Quantity	Unit Price	Total
201.1	CLEARING AND GRUBBING (F)	A	0.60	\$30,000.00	\$18,000.00
202.41	REMOVAL OF EXISTING PIPE 0-24" DIAMETER	LF	300.00	\$30.00	\$9,000.00
202.5	REMOVAL OF CATCH BASINS, DROP INLETS, AND MANHOLES	EA	5.00	\$560.00	\$2,800.00
202.6	CURB REMOVAL FOR SALVAGE	LF	170.00	\$4.50	\$765.00
202.7	REMOVAL OF GUARDRAIL	LF	2,100.00	\$2.50	\$5,250.00
203.1	COMMON EXCAVATION	CY	11,800.00	\$10.00	\$118,000.00
203.11	COMMON EXCAVATION - LRS	CY	3,300.00	\$15.00	\$49,500.00



# Engineer's Estimate Report

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 12210C  
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Item No.	Description	Unit	Quantity	Unit Price	Total
203.2	ROCK EXCAVATION	CY	120.00	\$50.00	\$6,000.00
203.55553	GUARDRAIL EAGRT OFFSET PLATFORM, TL 2	U	2.00	\$1,200.00	\$2,400.00
203.6	EMBANKMENT-IN-PLACE (F)	CY	2,000.00	\$10.00	\$20,000.00
206.1	COMMON STRUCTURE EXCAVATION	CY	80.00	\$25.00	\$2,000.00
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	40.00	\$75.00	\$3,000.00
206.2	ROCK STRUCTURE EXCAVATION	CY	25.00	\$80.00	\$2,000.00
209.4	GRANULAR BACKFILL (GRAV)	CY	65.00	\$50.00	\$3,250.00
214.	FINE GRADING	U	1.00	\$16,100.00	\$16,100.00
304.1	SAND (F)	CY	2,900.00	\$20.00	\$58,000.00
304.4	CRUSHED STONE (FINE GRADATION) (F)	CY	3,010.00	\$40.00	\$120,400.00
304.5	CRUSHED STONE (COARSE GRADATION) (F)	CY	2,900.00	\$35.00	\$101,500.00
403.11002	HOT BITUMINOUS PAVEMENT, MACHINE METHOD (QC/QA TIER 2)	TON	1,900.00	\$85.00	\$161,500.00
403.11902	HBP - MACHINE METHOD, HIGH STRENGTH (QC/QA TIER 2)	TON	1,300.00	\$105.00	\$136,500.00
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	110.00	\$125.00	\$13,750.00
403.4	MATERIAL TRANSFER VEHICLE (MTV)	TON	3,200.00	\$2.00	\$6,400.00
403.6	PAVEMENT JOINT ADHESIVE	LF	30,000.00	\$0.50	\$15,000.00
403.99	TEMPORARY BITUMINOUS PAVEMENT	TON	200.00	\$100.00	\$20,000.00
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	870.00	\$5.00	\$4,350.00
417.	COLD PLANING BITUMINOUS SURFACES	SY	630.00	\$5.00	\$3,150.00
503.201	COFFERDAMS	U	1.00	\$24,000.00	\$24,000.00
520.1	CONCRETE CLASS A	CY	11.00	\$1,000.00	\$11,000.00
544.1	REINFORCING STEEL (ROADWAY)	LB	100.00	\$2.00	\$200.00
585.2	STONE FILL, CLASS B	CY	500.00	\$30.00	\$15,000.00
585.3	STONE FILL, CLASS C	CY	100.00	\$40.00	\$4,000.00
585.5	STONE FILL, CLASS E	CY	250.00	\$35.00	\$8,750.00
593.421	GEOTEXTILE; PERM CONTROL CL.2, NON-WOVEN	SY	1,050.00	\$2.50	\$2,625.00
603.0001	VIDEO INSPECTION	LF	2,150.00	\$2.00	\$4,300.00



# Engineer's Estimate Report

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Item No.	Description	Unit	Quantity	Unit Price	Total
603.00215	15" R.C. PIPE, 2000D	LF	600.00	\$56.00	\$33,600.00
603.00218	18" R.C. PIPE, 2000D	LF	760.00	\$77.00	\$58,520.00
603.00224	24" R.C. PIPE, 2000D	LF	600.00	\$220.00	\$132,000.00
603.00230	30" R.C. PIPE, 2000D	LF	80.00	\$115.00	\$9,200.00
603.00236	36" R.C. PIPE, 2000D	LF	130.00	\$150.00	\$19,500.00
603.11248	48" CORR. STEEL PIPE, .079"	LF	60.00	\$300.00	\$18,000.00
604.0007	POLYETHYLENE LINER	EA	18.00	\$200.00	\$3,600.00
604.124	CATCH BASINS TYPE B, 4-FOOT DIAMETER	U	10.80	\$2,400.00	\$25,920.00
604.125	CATCH BASINS TYPE B, 5-FOOT DIAMETER	U	2.50	\$2,500.00	\$6,250.00
604.164	CATCH BASINS TYPE F, 4-FOOT DIAMETER	U	9.50	\$3,400.00	\$32,300.00
604.166	CATCH BASINS TYPE F, 6-FOOT DIAMETER	U	1.00	\$3,400.00	\$3,400.00
604.324	DRAINAGE MANHOLES, 4-FOOT DIAMETER	U	2.90	\$3,400.00	\$9,860.00
604.9102	OUTLET CONTROL STRUCTURE	U	1.00	\$10,000.00	\$10,000.00
604.9103	OUTLET CONTROL STRUCTURE	U	1.00	\$5,000.00	\$5,000.00
606.1255	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 2) (STEEL POST)	U	1.00	\$2,400.00	\$2,400.00
606.1285	BEAM GUARDRAIL (BRIDGE APPROACH UNIT)	U	2.00	\$3,000.00	\$6,000.00
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	1,262.50	\$25.00	\$31,562.50
607.250	CHAIN LINK FENCE WITH ALUMINUM COATED STEEL FABRIC, 5' HIGH	LF	800.00	\$15.00	\$12,000.00
607.4250	POST ASSEMBLIES FOR CHAIN LINK FENCE, 5' HIGH	EA	90.00	\$200.00	\$18,000.00
607.72518	18' OPENING DOUBLE GATE, CHAIN LINK ALUM. COATED STEEL FABRIC, 5' HIGH	U	2.00	\$1,800.00	\$3,600.00
608.24	4" CONCRETE SIDEWALK (F)	SY	580.00	\$45.00	\$26,100.00
608.54	DETECTABLE WARNING DEVICES, CAST IRON	SY	6.00	\$435.00	\$2,610.00
609.01	STRAIGHT GRANITE CURB	LF	2,400.00	\$22.00	\$52,800.00
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	20.00	\$5.50	\$110.00
621.31	SINGLE DELINEATOR WITH POST	EA	40.00	\$42.00	\$1,680.00
621.32	DOUBLE DELINEATOR WITH POST	EA	1.00	\$48.00	\$48.00



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Item No.	Description	Unit	Quantity	Unit Price	Total
628.2	SAWED BITUMINOUS PAVEMENT	LF	150.00	\$2.50	\$375.00
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	52,000.00	\$0.15	\$7,800.00
632.3106	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 6" LINE	LF	210.00	\$1.50	\$315.00
632.3118	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 18" LINE	LF	130.00	\$6.50	\$845.00
632.32	RETROREFLECT. THERMOPLAS. PAVEMENT MARKING, SYMBOL OR WORD	SF	240.00	\$8.00	\$1,920.00
641.	LOAM	CY	750.00	\$32.00	\$24,000.00
644.82	SALT-TOLERANT GRASS SEED, TYPE 82	LB	25.00	\$50.00	\$1,250.00
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	1,000.00	\$5.00	\$5,000.00
645.52	RYEGRASS FOR TEMPORARY EROSION CONTROL	LB	10.00	\$5.00	\$50.00
645.531	SILT FENCE	LF	2,500.00	\$3.00	\$7,500.00
646.3	TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS	A	1.00	\$2,125.00	\$2,125.00
647.1	HUMUS	CY	2,550.00	\$20.00	\$51,000.00
647.29	WETLAND HUMUS	CY	55.00	\$20.00	\$1,100.00
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	125,000.00	\$1.00	\$125,000.00
990.01	PLANNING CONTINGENCY - ROADWAY	\$	250,000.00	\$1.00	\$250,000.00
1010.3	QUALITY CONTROL QUALITY ASSURANCE (QC/QA) ASPHALT	\$	14,900.00	\$1.00	\$14,900.00

**Roadway NH (100% NH) Bid Items Subtotal: \$1,985,730.50**

Roadway NH (100% NH) Bid Items and CBI Total \$1,985,730.50

Roadway NH (100% NH) Inspection Items Total \$0.00

Roadway NH (100% NH) Construction Engineering Total \$0.00

**Roadway NH (100% NH) Total \$1,985,730.50**

**Funding Group Name**  
Other (58% NH, 42% VT)

**Funding Code(s)**  
N/A

**Description**  
Other (58% NH, 42% VT)

**Bridge Number**  
N/A

Item No.	Description	Unit	Quantity	Unit Price	Total
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	220,000.00	\$1.00	\$220,000.00
618.7	FLAGGERS	HR	6,200.00	\$30.00	\$186,000.00



# Engineer's Estimate Report

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Item No.	Description	Unit	Quantity	Unit Price	Total
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$200,000.00	\$200,000.00
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	3.00	\$13,000.00	\$39,000.00
645.7	STORM WATER POLLUTION PREVENTION PLAN	U	1.00	\$7,500.00	\$7,500.00
645.71	MONITORING SWPPP AND EROSION AND SEDIMENT CONTROLS	HR	2,100.00	\$90.00	\$189,000.00
698.12	FIELD OFFICE TYPE B	MON	48.00	\$2,100.00	\$100,800.00
698.2	PHYSICAL TESTING LABORATORY	MON	48.00	\$1,000.00	\$48,000.00
1010.15	FUEL ADJUSTMENT	\$	250,000.00	\$1.00	\$250,000.00
1010.2	ASPHALT CEMENT ADJUSTMENT	\$	25,000.00	\$1.00	\$25,000.00
<b>Other (58% NH, 42% VT) Bid Items Subtotal:</b>					<b>\$1,265,300.00</b>
1030.	CONSTRUCTION ENGINEERING	\$	2,500,000.00	\$1.00	\$2,500,000.00
<b>Other (58% NH, 42% VT) Construction Engineering Subtotal:</b>					<b>\$2,500,000.00</b>
Other (58% NH, 42% VT) Bid Items and CBI Total					\$1,265,300.00
Other (58% NH, 42% VT) Inspection Items Total					\$0.00
Other (58% NH, 42% VT) Construction Engineering Total					\$2,500,000.00
<b>Other (58% NH, 42% VT) Total</b>					<b>\$3,765,300.00</b>

Bid Items and CBI Total	\$39,604,294.19
Inspection Items Total	\$130,000.00
Construction Engineering Total	\$2,500,000.00
<b>Grand Total Engineer's Estimate</b>	<b>\$42,234,294.19</b>