

**Vermont Agency of Transportation**

SPRINGFIELD IM 091-1(83)

Estimate WORKING - Engineer's Estimate

Phase: WORKING	Designed By:
Estimate Date: 20 October, 2023	Reviewed By:
Specification: Standard Specifications for Construction	Approved By:
Region: SOUTHEAST	Work Type: BRIDGE CONSTRUCTION
Town: SPRINGFIELD	Highway Type: INTERSTATE (RURAL ONLY), MAJOR COLLECTOR, MINOR ARTERIAL
Advertising Season: CONSTRUCTION SEASON	Urban/Rural: RURAL
Description: THE REPLACEMENT OF BRIDGE NOS. 25 NandS DECKS, THE REPLACEMENT OF BRIDGE NOS. 26 NandS SUPERSTRUCTURES, THE DISINVESTMENT OF BRIDGE NOS. 27 NandS, THE REPLACEMENT OF BRIDGE NOS. 28 NandS, THE EXTENSION OF CULVERT 28-1N, AND DISINVESTMENT OF CULVERT 28-1G AND 28-1C.	

Category		Description				
<b>1011 - ROADWAY</b>		I-91 NB				
Item Number	Description	Supplemental Description	Quantity	Unit	Unit Price	Amount
201.11	CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS		7.30	ACRE	\$15,000.000	\$109,500.00
203.15	COMMON EXCAVATION		44,900.00	CY	\$10.971	\$492,597.90
203.16	SOLID ROCK EXCAVATION		26,800.00	CY	\$70.613	\$1,892,428.40
203.30	EARTH BORROW		29,800.00	CY	\$8.035	\$239,443.00
203.31	SAND BORROW		14,700.00	CY	\$35.500	\$521,850.00
210.10	COARSE-MILLING, BITUMINOUS PAVEMENT		10,800.00	SY	\$4.042	\$43,653.60
301.35	SUBBASE OF DENSE GRADED CRUSHED STONE		13,300.00	CY	\$33.867	\$450,431.10
402.12	AGGREGATE SHOULDERS		660.00	TON	\$40.743	\$26,890.38
404.65	EMULSIFIED ASPHALT		290.00	CWT	\$23.983	\$6,955.07
406.35	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT		9,750.00	TON	\$125.000	\$1,218,750.00
613.11	STONE FILL, TYPE II		420.00	CY	\$89.332	\$37,519.44
616.305	BITUMINOUS CONCRETE CURB, TYPE A		1,750.00	LF	\$10.271	\$17,974.25
621.20	STEEL BEAM GUARDRAIL, GALVANIZED		7,000.00	LF	\$27.456	\$192,192.00
621.50	MANUFACTURED TERMINAL SECTION, FLARED		4.00	EACH	\$2,926.707	\$11,706.83
621.80	REMOVAL AND DISPOSAL OF GUARDRAIL		7,950.00	LF	\$0.918	\$7,298.10
					Category total:	\$5,269,190.07

Category		Description				
<b>1031 - TRAINING</b>						
Item Number	Description	Supplemental Description	Quantity	Unit	Unit Price	Amount
634.10	EMPLOYEE TRAINEESHIP		4,160.00	HR	\$148.473	\$617,647.68

# Vermont Agency of Transportation

SPRINGFIELD IM 091-1(83)

Estimate WORKING - Engineer's Estimate

Category total: \$617,647.68

Category

**1041 - LANDSCAPING**

Item Number	Description	Supplemental Description	Quantity	Unit	Unit Price	Amount
900.645	SPECIAL PROVISION	(LANDSCAPING)	1.00	LS	\$400,000.000	\$400,000.00
Category total:						\$400,000.00

Category

**1051 - EROSION CONTROL**

Item Number	Description	Supplemental Description	Quantity	Unit	Unit Price	Amount
900.645	SPECIAL PROVISION	(EPSC)	1.00	LS	\$650,000.000	\$650,000.00
Category total:						\$650,000.00

Category

**1211 - BRIDGE NO. 1**

Description  
25N

Item Number	Description	Supplemental Description	Quantity	Unit	Unit Price	Amount
204.25	STRUCTURE EXCAVATION		50.00	CY	\$35.578	\$1,778.90
204.30	GRANULAR BACKFILL FOR STRUCTURES		50.00	CY	\$58.521	\$2,926.05
404.65	EMULSIFIED ASPHALT		6.00	CWT	\$23.983	\$143.90
406.35	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT		130.00	TON	\$125.000	\$16,250.00
507.11	REINFORCING STEEL, LEVEL I	(EPOXY COATED)	1,500.00	LB	\$2.500	\$3,750.00
507.12	REINFORCING STEEL, LEVEL II		150,000.00	LB	\$3.500	\$525,000.00
508.15	SHEAR CONNECTORS	(2,250 - 7/8" X 7")	1.00	LS	\$18,000.000	\$18,000.00
514.10	WATER REPELLENT, SILANE		40.00	GAL	\$165.285	\$6,611.40
519.20	SHEET MEMBRANE WATERPROOFING, TORCH APPLIED		850.00	SY	\$25.246	\$21,459.10
524.11	JOINT SEALER, HOT POURED		99.00	LF	\$27.176	\$2,690.42
527.10	MAINTENANCE OF STRUCTURES AND APPROACHES		1.00	LS	\$25,000.000	\$25,000.00
529.20	PARTIAL REMOVAL OF STRUCTURE		1.00	EACH	\$200,000.000	\$200,000.00
531.15	BEARING DEVICE ASSEMBLY, HIGH LOAD MULTI-ROTATIONAL		20.00	EACH	\$7,500.000	\$150,000.00
580.13	REPAIR OF CONCRETE SUBSTRUCTURE SURFACE, CLASS I		10.00	SY	\$1,364.762	\$13,647.62
580.14	REPAIR OF CONCRETE SUBSTRUCTURE SURFACE, CLASS II		10.00	SY	\$1,814.946	\$18,149.46
580.15	REPAIR OF CONCRETE SUBSTRUCTURE SURFACE, CLASS III		1.00	CY	\$9,528.796	\$9,528.80
900.608	SPECIAL PROVISION	(PERFORMANCE-BASED CONCRETE, CLASS PCD)	280.00	CY	\$1,600.000	\$448,000.00
900.608	SPECIAL PROVISION	(PERFORMANCE-BASED CONCRETE, CLASS PCS)	60.00	CY	\$1,600.000	\$96,000.00

# Vermont Agency of Transportation

SPRINGFIELD IM 091-1(83)

Estimate WORKING - Engineer's Estimate

900.620	SPECIAL PROVISION	(FRP BRIDGE DRAIN) (TYPE G)	6.00	EACH	\$10,000.000	\$60,000.00
900.640	SPECIAL PROVISION	(BRIDGE RAILING, TEXAS)	477.00	LF	\$500.000	\$238,500.00
900.640	SPECIAL PROVISION	(COMPRESSION SEAL)	99.00	LF	\$1,200.000	\$118,800.00
900.645	SPECIAL PROVISION	(PUBLIC PROTECTION FOR BRIDGE PROJECTS)	1.00	LS	\$12,000.000	\$12,000.00
					Category total:	\$1,988,235.65

Category	Description	Description				
<b>1221 - BRIDGE NO. 2</b>		25S				
Item Number	Description	Supplemental Description	Quantity	Unit	Unit Price	Amount
204.25	STRUCTURE EXCAVATION		50.00	CY	\$35.578	\$1,778.90
204.30	GRANULAR BACKFILL FOR STRUCTURES		50.00	CY	\$58.521	\$2,926.05
404.65	EMULSIFIED ASPHALT		6.00	CWT	\$23.983	\$143.90
406.35	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT		120.00	TON	\$125.000	\$15,000.00
507.11	REINFORCING STEEL, LEVEL I	(EPOXY COATED)	1,500.00	LB	\$2.500	\$3,750.00
507.12	REINFORCING STEEL, LEVEL II		140,000.00	LB	\$3.500	\$490,000.00
508.15	SHEAR CONNECTORS		1.00	LS	\$16,400.000	\$16,400.00
514.10	WATER REPELLENT, SILANE		40.00	GAL	\$165.285	\$6,611.40
519.20	SHEET MEMBRANE WATERPROOFING, TORCH APPLIED		750.00	SY	\$25.246	\$18,934.50
524.11	JOINT SEALER, HOT POURED		99.00	LF	\$27.176	\$2,690.42
527.10	MAINTENANCE OF STRUCTURES AND APPROACHES		1.00	LS	\$25,000.000	\$25,000.00
529.20	PARTIAL REMOVAL OF STRUCTURE		1.00	EACH	\$225,000.000	\$225,000.00
531.15	BEARING DEVICE ASSEMBLY, HIGH LOAD MULTI-ROTATIONAL		20.00	EACH	\$7,500.000	\$150,000.00
580.13	REPAIR OF CONCRETE SUBSTRUCTURE SURFACE, CLASS I		10.00	SY	\$1,364.762	\$13,647.62
580.14	REPAIR OF CONCRETE SUBSTRUCTURE SURFACE, CLASS II		10.00	SY	\$1,814.946	\$18,149.46
580.15	REPAIR OF CONCRETE SUBSTRUCTURE SURFACE, CLASS III		1.00	CY	\$9,528.796	\$9,528.80
900.608	SPECIAL PROVISION	(PERFORMANCE-BASED CONCRETE, CLASS PCD)	250.00	CY	\$1,600.000	\$400,000.00
900.608	SPECIAL PROVISION	(PERFORMANCE-BASED CONCRETE, CLASS PCS)	60.00	CY	\$1,600.000	\$96,000.00
900.620	SPECIAL PROVISION	(FRP BRIDGE DRAIN) (TYPE G)	6.00	EACH	\$10,000.000	\$60,000.00
900.640	SPECIAL PROVISION	(BRIDGE RAILING, TEXAS)	480.00	LF	\$500.000	\$240,000.00
900.640	SPECIAL PROVISION	(COMPRESSION SEAL)	99.00	LF	\$1,200.000	\$118,800.00
900.645	SPECIAL PROVISION	(PUBLIC PROTECTION FOR BRIDGE PROJECTS)	1.00	LS	\$12,000.000	\$12,000.00
					Category total:	\$1,926,361.05

# Vermont Agency of Transportation

SPRINGFIELD IM 091-1(83)

Estimate WORKING - Engineer's Estimate

Category		Description				
<b>1231 - BRIDGE NO. 3</b>		26N				
Item Number	Description	Supplemental Description	Quantity	Unit	Unit Price	Amount
204.25	STRUCTURE EXCAVATION		70.00	CY	\$35.578	\$2,490.46
204.30	GRANULAR BACKFILL FOR STRUCTURES		70.00	CY	\$58.521	\$4,096.47
404.65	EMULSIFIED ASPHALT		8.00	CWT	\$23.983	\$191.86
406.35	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT		180.00	TON	\$125.000	\$22,500.00
506.55	STRUCTURAL STEEL, PLATE GIRDER	(FPQ)	480,000.00	LB	\$4.000	\$1,920,000.00
507.11	REINFORCING STEEL, LEVEL I	(EPOXY COATED)	1,500.00	LB	\$2.500	\$3,750.00
507.12	REINFORCING STEEL, LEVEL II		176,000.00	LB	\$3.500	\$616,000.00
508.15	SHEAR CONNECTORS	(4675 - 7/8" X 7")	1.00	LS	\$37,400.000	\$37,400.00
514.10	WATER REPELLENT, SILANE		50.00	GAL	\$165.285	\$8,264.25
519.20	SHEET MEMBRANE WATERPROOFING, TORCH APPLIED		1,150.00	SY	\$25.246	\$29,032.90
524.11	JOINT SEALER, HOT POURED		70.00	LF	\$27.176	\$1,902.32
527.10	MAINTENANCE OF STRUCTURES AND APPROACHES		1.00	LS	\$25,000.000	\$25,000.00
529.20	PARTIAL REMOVAL OF STRUCTURE		1.00	EACH	\$500,000.000	\$500,000.00
531.15	BEARING DEVICE ASSEMBLY, HIGH LOAD MULTI-ROTATIONAL		20.00	EACH	\$7,500.000	\$150,000.00
580.13	REPAIR OF CONCRETE SUBSTRUCTURE SURFACE, CLASS I		10.00	SY	\$1,364.762	\$13,647.62
580.14	REPAIR OF CONCRETE SUBSTRUCTURE SURFACE, CLASS II		10.00	SY	\$1,814.946	\$18,149.46
580.15	REPAIR OF CONCRETE SUBSTRUCTURE SURFACE, CLASS III		1.00	CY	\$9,528.796	\$9,528.80
613.13	STONE FILL, TYPE IV		1,380.00	CY	\$56.413	\$77,849.94
651.40	GRUBBING MATERIAL	(12")	1,800.00	SY	\$10.140	\$18,252.00
900.608	SPECIAL PROVISION	(PERFORMANCE-BASED CONCRETE, CLASS PCD)	370.00	CY	\$1,600.000	\$592,000.00
900.608	SPECIAL PROVISION	(PERFORMANCE-BASED CONCRETE, CLASS PCS)	60.00	CY	\$1,600.000	\$96,000.00
900.620	SPECIAL PROVISION	(FRP BRIDGE DRAIN) (TYPE G)	4.00	EACH	\$10,000.000	\$40,000.00
900.640	SPECIAL PROVISION	(BRIDGE RAILING, TEXAS)	678.00	LF	\$500.000	\$339,000.00
900.640	SPECIAL PROVISION	(COMPRESSION SEAL)	70.00	LF	\$1,200.000	\$84,000.00
Category total:						\$4,609,056.08

Category		Description				
<b>1241 - BRIDGE NO. 4</b>		26S				
Item Number	Description	Supplemental Description	Quantity	Unit	Unit Price	Amount
204.25	STRUCTURE EXCAVATION		70.00	CY	\$35.578	\$2,490.46
204.30	GRANULAR BACKFILL FOR STRUCTURES		70.00	CY	\$58.521	\$4,096.47
404.65	EMULSIFIED ASPHALT		8.00	CWT	\$23.983	\$191.86

**Vermont Agency of Transportation**

SPRINGFIELD IM 091-1(83)

Estimate WORKING - Engineer's Estimate

406.35	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT		180.00	TON	\$125.000	\$22,500.00
506.55	STRUCTURAL STEEL, PLATE GIRDER	(FPQ)	480,000.00	LB	\$4.000	\$1,920,000.00
507.11	REINFORCING STEEL, LEVEL I	(EPOXY COATED)	1,500.00	LB	\$3.117	\$4,675.50
507.12	REINFORCING STEEL, LEVEL II		176,000.00	LB	\$2.224	\$391,424.00
508.15	SHEAR CONNECTORS	(4675 - 7/8" X 7")	1.00	LS	\$37,400.000	\$37,400.00
514.10	WATER REPELLENT, SILANE		50.00	GAL	\$165.285	\$8,264.25
519.20	SHEET MEMBRANE WATERPROOFING, TORCH APPLIED		1,150.00	SY	\$25.246	\$29,032.90
524.11	JOINT SEALER, HOT POURED		70.00	LF	\$27.176	\$1,902.32
527.10	MAINTENANCE OF STRUCTURES AND APPROACHES		1.00	LS	\$25,000.000	\$25,000.00
529.20	PARTIAL REMOVAL OF STRUCTURE		1.00	EACH	\$500,000.000	\$500,000.00
531.15	BEARING DEVICE ASSEMBLY, HIGH LOAD MULTI-ROTATIONAL		20.00	EACH	\$7,500.000	\$150,000.00
580.13	REPAIR OF CONCRETE SUBSTRUCTURE SURFACE, CLASS I		10.00	SY	\$1,364.762	\$13,647.62
580.14	REPAIR OF CONCRETE SUBSTRUCTURE SURFACE, CLASS II		10.00	SY	\$1,814.946	\$18,149.46
580.15	REPAIR OF CONCRETE SUBSTRUCTURE SURFACE, CLASS III		1.00	CY	\$9,528.796	\$9,528.80
613.13	STONE FILL, TYPE IV		1,380.00	CY	\$56.413	\$77,849.94
651.40	GRUBBING MATERIAL	(12")	1,800.00	SY	\$10.140	\$18,252.00
900.608	SPECIAL PROVISION	(PERFORMANCE-BASED CONCRETE, CLASS PCD)	370.00	CY	\$1,600.000	\$592,000.00
900.608	SPECIAL PROVISION	(PERFORMANCE-BASED CONCRETE, CLASS PCS)	60.00	CY	\$1,600.000	\$96,000.00
900.620	SPECIAL PROVISION	(FRP BRIDGE DRAIN) (TYPE G)	4.00	EACH	\$10,000.000	\$40,000.00
900.640	SPECIAL PROVISION	(BRIDGE RAILING, TEXAS)	678.00	LF	\$500.000	\$339,000.00
900.640	SPECIAL PROVISION	(COMPRESSION SEAL)	70.00	LF	\$1,200.000	\$84,000.00
Category total:						\$4,385,405.58

Category		Description				
<b>1251 - BRIDGE NO. 5</b>		27N				
Item Number	Description	Supplemental Description	Quantity	Unit	Unit Price	Amount
529.15	REMOVAL OF STRUCTURE		1.00	EACH	\$125,000.000	\$125,000.00
Category total:						\$125,000.00

Category		Description				
<b>1261 - BRIDGE NO. 6</b>		27S				
Item Number	Description	Supplemental Description	Quantity	Unit	Unit Price	Amount
529.15	REMOVAL OF STRUCTURE		1.00	EACH	\$125,000.000	\$125,000.00
Category total:						\$125,000.00

# Vermont Agency of Transportation

SPRINGFIELD IM 091-1(83)

Estimate WORKING - Engineer's Estimate

Category						Description
1271 - BRIDGE NO. 7						28N
Item Number	Description	Supplemental Description	Quantity	Unit	Unit Price	Amount
204.25	STRUCTURE EXCAVATION		300.00	CY	\$35.578	\$10,673.40
204.30	GRANULAR BACKFILL FOR STRUCTURES		460.00	CY	\$58.521	\$26,919.66
404.65	EMULSIFIED ASPHALT		6.00	CWT	\$23.983	\$143.90
406.35	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT		130.00	TON	\$125.000	\$16,250.00
504.10	FURNISHING EQUIPMENT FOR DRIVING PILING		1.00	LS	\$60,000.000	\$60,000.00
505.16	STEEL PILING, HP 12 X 74		480.00	LF	\$200.000	\$96,000.00
505.45	DYNAMIC PILE LOADING TEST		2.00	EACH	\$6,082.202	\$12,164.40
506.55	STRUCTURAL STEEL, PLATE GIRDER	(FPQ)	610,000.00	LB	\$4.000	\$2,440,000.00
507.11	REINFORCING STEEL, LEVEL I	(EPOXY COATED)	19,400.00	LB	\$3.000	\$58,200.00
507.11	REINFORCING STEEL, LEVEL I	(PLAIN)	6,700.00	LB	\$2.500	\$16,750.00
507.13	REINFORCING STEEL, LEVEL III		112,800.00	LB	\$3.061	\$345,280.80
508.15	SHEAR CONNECTORS	(2725 - 7/8" X 7")	1.00	LS	\$21,800.000	\$21,800.00
514.10	WATER REPELLENT, SILANE		60.00	GAL	\$165.285	\$9,917.10
519.20	SHEET MEMBRANE WATERPROOFING, TORCH APPLIED		800.00	SY	\$25.246	\$20,196.80
524.11	JOINT SEALER, HOT POURED		84.00	LF	\$27.176	\$2,282.78
527.10	MAINTENANCE OF STRUCTURES AND APPROACHES		1.00	LS	\$25,000.000	\$25,000.00
529.15	REMOVAL OF STRUCTURE	(7466 SF - EST.)	1.00	EACH	\$450,000.000	\$450,000.00
531.15	BEARING DEVICE ASSEMBLY, HIGH LOAD MULTI-ROTATIONAL		5.00	EACH	\$7,500.000	\$37,500.00
900.608	SPECIAL PROVISION	(PERFORMANCE-BASED CONCRETE, CLASS PCD)	330.00	CY	\$1,600.000	\$528,000.00
900.608	SPECIAL PROVISION	(PERFORMANCE-BASED CONCRETE, CLASS PCS)	430.00	CY	\$1,600.000	\$688,000.00
900.620	SPECIAL PROVISION	(FRP BRIDGE DRAIN) (TYPE G)	6.00	EACH	\$10,000.000	\$60,000.00
900.640	SPECIAL PROVISION	(BRIDGE RAILING, TEXAS)	421.00	LF	\$500.000	\$210,500.00
900.640	SPECIAL PROVISION	(COMPRESSION SEAL)	84.00	LF	\$1,200.000	\$100,800.00
900.645	SPECIAL PROVISION	(PUBLIC PROTECTION FOR BRIDGE PROJECTS)	1.00	LS	\$30,000.000	\$30,000.00
900.675	SPECIAL PROVISION	(CONCRETE SLOPE PROTECTION)	406.00	SY	\$150.000	\$60,900.00
Category total:						\$5,327,278.85

Category						Description
1281 - BRIDGE NO. 8						28S
Item Number	Description	Supplemental Description	Quantity	Unit	Unit Price	Amount
204.25	STRUCTURE EXCAVATION		325.00	CY	\$35.578	\$11,562.85
204.30	GRANULAR BACKFILL FOR STRUCTURES		510.00	CY	\$58.521	\$29,845.71

# Vermont Agency of Transportation

SPRINGFIELD IM 091-1(83)

Estimate WORKING - Engineer's Estimate

404.65	EMULSIFIED ASPHALT		6.00	CWT	\$23.983	\$143.90
406.35	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT		130.00	TON	\$125.000	\$16,250.00
504.10	FURNISHING EQUIPMENT FOR DRIVING PILING		1.00	LS	\$60,000.000	\$60,000.00
505.16	STEEL PILING, HP 12 X 74		480.00	LF	\$200.000	\$96,000.00
505.45	DYNAMIC PILE LOADING TEST		2.00	EACH	\$6,082.202	\$12,164.40
506.55	STRUCTURAL STEEL, PLATE GIRDER (FPQ)		630,000.00	LB	\$4.000	\$2,520,000.00
507.11	REINFORCING STEEL, LEVEL I (EPOXY COATED)		6,700.00	LB	\$3.000	\$20,100.00
507.11	REINFORCING STEEL, LEVEL I (PLAIN)		19,400.00	LB	\$2.500	\$48,500.00
507.13	REINFORCING STEEL, LEVEL III		126,700.00	LB	\$3.061	\$387,828.70
508.15	SHEAR CONNECTORS (2,823 - 7/8" X 7")		1.00	LS	\$22,500.000	\$22,500.00
514.10	WATER REPELLENT, SILANE		60.00	GAL	\$165.285	\$9,917.10
519.20	SHEET MEMBRANE WATERPROOFING, TORCH APPLIED		800.00	SY	\$25.246	\$20,196.80
524.11	JOINT SEALER, HOT POURED		86.00	LF	\$27.176	\$2,337.14
527.10	MAINTENANCE OF STRUCTURES AND APPROACHES		1.00	LS	\$25,000.000	\$25,000.00
529.15	REMOVAL OF STRUCTURE (8532 SF - EST.)		1.00	EACH	\$450,000.000	\$450,000.00
531.15	BEARING DEVICE ASSEMBLY, HIGH LOAD MULTI-ROTATIONAL		5.00	EACH	\$7,500.000	\$37,500.00
900.608	SPECIAL PROVISION (PERFORMANCE-BASED CONCRETE, CLASS PCD)		340.00	CY	\$1,600.000	\$544,000.00
900.608	SPECIAL PROVISION (PERFORMANCE-BASED CONCRETE, CLASS PCS)		440.00	CY	\$1,600.000	\$704,000.00
900.620	SPECIAL PROVISION (FRP BRIDGE DRAIN) (TYPE G)		6.00	EACH	\$10,000.000	\$60,000.00
900.640	SPECIAL PROVISION (BRIDGE RAILING, TEXAS)		442.00	LF	\$500.000	\$221,000.00
900.640	SPECIAL PROVISION (COMPRESSION SEAL)		86.00	LF	\$1,200.000	\$103,200.00
900.645	SPECIAL PROVISION (PUBLIC PROTECTION FOR BRIDGE PROJECTS)		1.00	LS	\$30,000.000	\$30,000.00
900.675	SPECIAL PROVISION (CONCRETE SLOPE PROTECTION)		406.00	SY	\$150.000	\$60,900.00
					Category total:	\$5,492,946.60

Category	Description		Quantity	Unit	Unit Price	Amount
<b>1291 - BRIDGE NO. 9</b>		Description CULVERT 28-1C				
201.11	CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS		1.50	ACRE	\$15,000.000	\$22,500.00
203.15	COMMON EXCAVATION		26,900.00	CY	\$10.971	\$295,119.90
529.15	REMOVAL OF STRUCTURE (11 FT X 11 FT X 235 FT CONCRETE BOX CULVERT)		1.00	EACH	\$100,000.000	\$100,000.00
					Category total:	\$417,619.90

# Vermont Agency of Transportation

SPRINGFIELD IM 091-1(83)

Estimate WORKING - Engineer's Estimate

Category  
**1999 - FULL C.E. ITEMS**

Item Number	Description	Supplemental Description	Quantity	Unit	Unit Price	Amount
631.10	FIELD OFFICE, ENGINEERS		1.00	LS	\$80,000.000	\$80,000.00
631.16	TESTING EQUIPMENT, CONCRETE		1.00	LS	\$900.000	\$900.00
631.17	TESTING EQUIPMENT, BITUMINOUS		1.00	LS	\$800.000	\$800.00
631.26	FIELD OFFICE COMMUNICATIONS (N.A.B.I.)		9,000.00	DL	\$1.000	\$9,000.00
Category total:						\$90,700.00

Category  
**2011- ROADWAY**

Description  
I-91 SB

Item Number	Description	Supplemental Description	Quantity	Unit	Unit Price	Amount
201.11	CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS		2.30	ACRE	\$15,000.000	\$34,500.00
203.15	COMMON EXCAVATION		7,800.00	CY	\$10.971	\$85,573.80
210.10	COARSE-MILLING, BITUMINOUS PAVEMENT		6,150.00	SY	\$4.042	\$24,858.30
301.35	SUBBASE OF DENSE GRADED CRUSHED STONE		6,050.00	CY	\$33.867	\$204,895.35
402.12	AGGREGATE SHOULDERS		520.00	TON	\$40.743	\$21,186.36
404.65	EMULSIFIED ASPHALT		170.00	CWT	\$23.983	\$4,077.11
406.35	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT		5,200.00	TON	\$125.000	\$650,000.00
616.305	BITUMINOUS CONCRETE CURB, TYPE A		1,150.00	LF	\$10.271	\$11,811.65
621.20	STEEL BEAM GUARDRAIL, GALVANIZED		4,950.00	LF	\$27.456	\$135,907.20
621.50	MANUFACTURED TERMINAL SECTION, FLARED		2.00	EACH	\$2,926.707	\$5,853.41
621.80	REMOVAL AND DISPOSAL OF GUARDRAIL		5,150.00	LF	\$0.918	\$4,727.70
Category total:						\$1,183,390.88

Category  
**2211-BRIDGE NO. 1**

Description  
CULVERT 28-1G

Item Number	Description	Supplemental Description	Quantity	Unit	Unit Price	Amount
201.11	CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS		0.90	ACRE	\$15,000.000	\$13,500.00
203.15	COMMON EXCAVATION		65,000.00	CY	\$10.971	\$713,115.00
529.15	REMOVAL OF STRUCTURE	(11 FT X 11 FT X 430 FT CONCRETE BOX CULVERT)	1.00	EACH	\$180,000.000	\$180,000.00
613.11	STONE FILL, TYPE II		690.00	CY	\$89.332	\$61,639.08
Category total:						\$968,254.08



# Vermont Agency of Transportation

SPRINGFIELD IM 091-1(83)

Estimate WORKING - Engineer's Estimate

<b>Category</b>		<b>Description</b>				
<b>2221-BRIDGE NO. 2</b>		<b>CULVERT 28-1N</b>				
<b>Item Number</b>	<b>Description</b>	<b>Supplemental Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Amount</b>
613.05	STONE FILL, CULVERT LINING	(E-STONE, TYPE II)	20.00	CY	\$200.000	\$4,000.00
900.608	SPECIAL PROVISION	(CULVERT REPLACEMENT)(4 SIDED)	60.00	CY	\$2,000.000	\$120,000.00
900.608	SPECIAL PROVISION	(PERFORMANCE-BASED CONCRETE, CLASS PCS)	60.00	CY	\$1,600.000	\$96,000.00
<b>Category total:</b>						<b>\$220,000.00</b>

<b>Category</b>		<b>Description</b>				
<b>3011-ROADWAY</b>		<b>CHARLESTOWN RD (US ROUTE 5)</b>				
<b>Item Number</b>	<b>Description</b>	<b>Supplemental Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Amount</b>
201.11	CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS		0.20	ACRE	\$15,000.000	\$3,000.00
203.15	COMMON EXCAVATION		9,900.00	CY	\$10.971	\$108,612.90
203.31	SAND BORROW		1,800.00	CY	\$35.500	\$63,900.00
210.10	COARSE-MILLING, BITUMINOUS PAVEMENT		5,500.00	SY	\$4.042	\$22,231.00
301.35	SUBBASE OF DENSE GRADED CRUSHED STONE		5,700.00	CY	\$33.867	\$193,041.90
402.12	AGGREGATE SHOULDERS		36.00	TON	\$40.743	\$1,466.75
404.65	EMULSIFIED ASPHALT		81.00	CWT	\$23.983	\$1,942.62
406.35	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT		2,950.00	TON	\$125.000	\$368,750.00
616.21	VERTICAL GRANITE CURB		3,450.00	LF	\$77.195	\$266,322.75
621.20	STEEL BEAM GUARDRAIL, GALVANIZED		300.00	LF	\$27.456	\$8,236.80
621.50	MANUFACTURED TERMINAL SECTION, FLARED		1.00	EACH	\$2,926.707	\$2,926.71
621.80	REMOVAL AND DISPOSAL OF GUARDRAIL		350.00	LF	\$0.918	\$321.30
621.90	TEMPORARY TRAFFIC BARRIER		400.00	LF	\$18.715	\$7,486.00
621.95	REMOVE AND RESET TEMPORARY TRAFFIC BARRIER		400.00	LF	\$7.146	\$2,858.40
630.10	UNIFORMED TRAFFIC OFFICERS		2,000.00	HR	\$69.671	\$139,342.00
630.15	FLAGGERS		1,500.00	HR	\$42.551	\$63,826.50
641.15	PORTABLE CHANGEABLE MESSAGE SIGN		4.00	EACH	\$4,043.522	\$16,174.09
<b>Category total:</b>						<b>\$1,270,439.72</b>

<b>Category</b>		<b>Description</b>				
<b>4011 - ROADWAY</b>		<b>I-91 CROSSOVERS</b>				
<b>Item Number</b>	<b>Description</b>	<b>Supplemental Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Amount</b>
201.11	CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS		3.30	ACRE	\$0.000	\$0.00
203.15	COMMON EXCAVATION		63,900.00	CY	\$10.971	\$701,046.90

**Vermont Agency of Transportation**

SPRINGFIELD IM 091-1(83)

Estimate WORKING - Engineer's Estimate

203.16	SOLID ROCK EXCAVATION	1,200.00	CY	\$70.613	\$84,735.60
203.30	EARTH BORROW	20,400.00	CY	\$8.035	\$163,914.00
301.35	SUBBASE OF DENSE GRADED CRUSHED STONE	5,600.00	CY	\$33.867	\$189,655.20
404.65	EMULSIFIED ASPHALT	28.00	CWT	\$23.983	\$671.52
406.35	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT	1,850.00	TON	\$125.000	\$231,250.00
621.90	TEMPORARY TRAFFIC BARRIER	6,350.00	LF	\$18.715	\$118,840.25
621.95	REMOVE AND RESET TEMPORARY TRAFFIC BARRIER	8,000.00	LF	\$7.146	\$57,168.00
630.10	UNIFORMED TRAFFIC OFFICERS	750.00	HR	\$69.671	\$52,253.25
641.15	PORTABLE CHANGEABLE MESSAGE SIGN	4.00	EACH	\$4,043.522	\$16,174.09
				Category total:	\$1,615,708.81

Category		Description				
<b>5011 - ROADWAY</b>		<b>PROJECT QUANTITIES</b>				
Item Number	Description	Supplemental Description	Quantity	Unit	Unit Price	Amount
633.10	CPM SCHEDULE		40.00	EACH	\$1,000.000	\$40,000.00
635.11	MOBILIZATION/DEMOBILIZATION		1.00	LS	\$4,400,000.000	\$4,400,000.00
641.11	TRAFFIC CONTROL, ALL-INCLUSIVE		1.00	LS	\$950,000.000	\$950,000.00
900.645	SPECIAL PROVISION	(DRAINAGE)	1.00	LS	\$630,000.000	\$630,000.00
900.645	SPECIAL PROVISION	(MISCELLANEOUS ITEMS)	1.00	LS	\$7,000,000.000	\$7,000,000.00
900.645	SPECIAL PROVISION	(SIGNING AND STRIPING)	1.00	LS	\$330,000.000	\$330,000.00
					Category total:	\$13,350,000.00

**Grand Total:** \$50,032,234.94