

Otsego County Economic Alliance / Road Commission

Engineer's Opinion of Costs

Project Number: Van Tyle Road over I-75 Estimate Number: 1 Project Type: Bridge Construction Location: Van Tyle Road over I-75 and Wisconsin Ave Otsego County Description: Van Tyle Road over I-75 from Dickerson Road to Wisconsin Ave (approx. 1650 feet of approach work) and Wisconsin Ave intersection (approx. 1050 feet).	Project Engineer: Paul M. Repasky, P.E. Date Created: 9/9/2009 Fed/State #: Fed Item: Control Section:
---	---

Line	Pay Item	Description	Quantity	Units	Unit Price	Total
Category: 0001 Road Work						
0001	1000001	Mobilization, Max. _____	1.00	LS	\$175,000.00	\$175,000.00
0002	1040001	Contractor Staking	1.00	LS	\$25,000.00	\$25,000.00
0003	1040020	Staking Plan Errors and Extras, One Person	12.00	Hr	\$95.00	\$1,140.00
0004	1040021	Staking Plan Errors and Extras, Two Person	24.00	Hr	\$125.00	\$3,000.00
0005	1040022	Staking Plan Errors and Extras, Three Person	24.00	Hr	\$185.00	\$4,440.00
0006	2010001	Clearing	.25	Acre	\$4,500.00	\$1,125.00
0007	2020007	Stump, Rem, 37 inch or larger	5.00	Ea	\$250.00	\$1,250.00
0008	2020008	Stump, Rem, 6 inch to 18 inch	5.00	Ea	\$150.00	\$750.00
0009	2030001	Culv, Rem, Less than 24 inch	2.00	Ea	\$325.00	\$650.00
0010	2040011	Pavt, Rem	25,867.00	Syd	\$0.55	\$14,226.85
0011	2040020	Structures, Rem	1.00	LS	\$50,000.00	\$50,000.00
0012	2040035	Removal and Disposal of Asbestos Materials	500.00	Dlr	\$1.00	\$500.00
0013	2050010	Embankment, CIP	35,000.00	Cyd	\$4.00	\$140,000.00
0014	2050016	Excavation, Earth	8,700.00	Cyd	\$2.50	\$21,750.00
0015	2050030	Machine Grading	20.00	Sta	\$600.00	\$12,000.00
0016	2050041	Subgrade Undercutting, Type II	500.00	Cyd	\$12.00	\$6,000.00
0017	2050050	Non Haz Contaminated Material Handling and Disposal, LM	100.00	Cyd	\$35.00	\$3,500.00
0018	2080002	Erosion Control, Check Dam, Stone	500.00	Ft	\$15.00	\$7,500.00
0019	2080025	Erosion Control, Silt Fence	1,800.00	Ft	\$1.50	\$2,700.00
0020	3010002	Subbase, CIP	15,750.00	Cyd	\$4.50	\$70,875.00
0021	3020020	Aggregate Base, 8 inch	37,000.00	Syd	\$4.50	\$166,500.00
0022	3070126	Shoulder, CI II, 4 inch	1,500.00	Syd	\$3.90	\$5,850.00

Line	Pay Item	Description	Quantity	Units	Unit Price	Total
0023	3070127	Shoulder, CI II, 5 inch	8,450.00	Syd	\$4.50	\$38,025.00
0024	4010403	Culv, CI A, CSP, 24 inch	132.00	Ft	\$135.00	\$17,820.00
0025	4010835	Culv End Sect, 24 inch	4.00	Ea	\$360.00	\$1,440.00
0026	5020001	Pavt, Cleaning	1.00	LS	\$4,500.00	\$4,500.00
0027	5020031	HMA, 3C	1,800.00	Ton	\$46.00	\$82,800.00
0028	5020032	HMA, 4C	1,800.00	Ton	\$49.00	\$88,200.00
0029	5020034	HMA, 13A	5,500.00	Ton	\$42.00	\$231,000.00
0030	5040006	HMA Quality Assurance Testing	3,600.00	Ton	\$1.50	\$5,400.00
0031	8080002	Fence, Woven Wire with Steel Post	650.00	Ft	\$4.00	\$2,600.00
0032	8100156	Post, Steel, 3 lb	200.00	Ft	\$5.00	\$1,000.00
0033	8100181	Sign, Type III B	200.00	Sft	\$14.00	\$2,800.00
0034	8110110	Pavt Mrkg, Waterborne, 4 inch, White	9,900.00	Ft	\$0.25	\$2,475.00
0035	8110111	Pavt Mrkg, Waterborne, 4 inch, Yellow	5,600.00	Ft	\$0.25	\$1,400.00
0036	8110205	Pavt Mrkg, Polyurea, 18 inch, Stop Bar	100.00	Ft	\$6.61	\$661.00
0037	8110212	Pavt Mrkg, Polyurea, Lt Turn Only	2.00	Ea	\$115.00	\$230.00
0038	8110213	Pavt Mrkg, Polyurea, Rt Turn Only	2.00	Ea	\$115.00	\$230.00
0039	8110217	Pavt Mrkg, Polyurea, Only	4.00	Ea	\$115.00	\$460.00
0040	8110222	Pavt Mrkg, Polyurea, Lt Turn Arrow Sym	2.00	Ea	\$115.00	\$230.00
0041	8110223	Pavt Mrkg, Polyurea, Rt Turn Arrow Sym	2.00	Ea	\$115.00	\$230.00
0042	8110225	Pavt Mrkg, Polyurea, Thru Arrow Sym	1.00	Ea	\$115.00	\$115.00
0043	8120005	Barricade, Type III, High Intensity, Lighted, Furn	16.00	Ea	\$125.00	\$2,000.00
0044	8120006	Barricade, Type III, High Intensity, Lighted, Oper	16.00	Ea	\$25.00	\$400.00
0045	8120016	Conc Barrier, Temp, Furn	6,450.00	Ft	\$10.00	\$64,500.00
0046	8120017	Conc Barrier, Temp, Oper	6,450.00	Ft	\$2.50	\$16,125.00
0047	8120018	Conc Barrier, Temp, Relocated	200.00	Ft	\$15.00	\$3,000.00
0048	8120042	Lighted Arrow, Type C, Furn	4.00	Ea	\$1,150.00	\$4,600.00
0049	8120043	Lighted Arrow, Type C, Oper	4.00	Ea	\$500.00	\$2,000.00
0050	8120044	Lighted Arrow, Type C, Standby	2.00	Ea	\$578.94	\$1,157.88
0051	8120050	Minor Traf Devices	1.00	LS	\$150,000.00	\$150,000.00
0052	8120091	Pavt Mrkg, Type R, 4 inch, Yellow, Temp	675.00	Ft	\$1.00	\$675.00
0053	8120102	Plastic Drum, High Intensity, Lighted, Furn	492.00	Ea	\$45.00	\$22,140.00

Line	Pay Item	Description	Quantity	Units	Unit Price	Total
0054	8120103	Plastic Drum, High Intensity, Lighted, Oper	492.00	Ea	\$20.00	\$9,840.00
0055	8120105	Sign Cover	75.00	Ea	\$20.00	\$1,500.00
0056	8120110	Sign, Portable, Changeable Message, Furn	2.00	Ea	\$6,545.00	\$13,090.00
0057	8120111	Sign, Portable, Changeable Message, Oper	2.00	Ea	\$2,775.00	\$5,550.00
0058	8120120	Sign, Type B, Temp, Furn	1,500.00	Sft	\$4.00	\$6,000.00
0059	8120121	Sign, Type B, Temp, Oper	1,500.00	Sft	\$1.00	\$1,500.00
0060	8127050	_ Temp Attenuator, Furn	1.00	Ea	\$3,400.00	\$3,400.00
0061	8127050	_ Temp Attenuator, Oper	1.00	Ea	\$600.00	\$600.00
0062	8160028	Mulch Blanket, High Velocity	10,000.00	Syd	\$1.25	\$12,500.00
0063	8160050	Slope Restoration	60,267.00	Syd	\$1.25	\$75,333.75
0064	8190025	Conduit, DB, 1, 1/2 inch	50.00	Ft	\$5.00	\$250.00
0065	8190029	Conduit, DB, 1, 3 inch	100.00	Ft	\$5.00	\$500.00
0066	8190032	Conduit, DB, 2, 3 inch	60.00	Ft	\$7.00	\$420.00
0067	8190035	Conduit, DB, 3, 3 inch	20.00	Ft	\$10.00	\$200.00
0068	8190038	Conduit, DB, 4, 3 inch	10.00	Ft	\$20.00	\$200.00
0069	8190260	Hh, Round	3.00	Ea	\$650.00	\$1,950.00
0070	8200021	Case Sign (LED), Four Way, 12 inch by 27 inch	1.00	Ea	\$2,740.00	\$2,740.00
0071	8200022	Case Sign (LED), Two Way, 24 inch by 30 inch	2.00	Ea	\$2,500.00	\$5,000.00
0072	8200035	Controller and Cabinet, Solid State Actuated	1.00	Ea	\$14,500.00	\$14,500.00
0073	8200036	Controller and Cabinet, Solid State Actuated, Delivered	1.00	Ea	\$1,000.00	\$1,000.00
0074	8200045	Controller Fdn, Base Mount	1.00	Ea	\$1,100.00	\$1,100.00
0075	8200060	Exploratory Trenching for Signal Cable	200.00	Ft	\$3.00	\$600.00
0076	8200100	Pedestal, Alum	1.00	Ea	\$550.00	\$550.00
0077	8200105	Pedestal, Fdn	1.00	Ea	\$350.00	\$350.00
0078	8200121	Pushbutton and Sign	2.00	Ea	\$450.00	\$900.00
0079	8200135	Serv Disconnect	1.00	Ea	\$700.00	\$700.00
0080	8200140	Span Wire	2.00	Ea	\$500.00	\$1,000.00
0081	8200150	Strain Pole Fdn, Cased	28.00	Ft	\$310.00	\$8,680.00
0082	8200157	Strain Pole, Steel, Anchor Base, 36 foot	2.00	Ea	\$3,900.00	\$7,800.00
0083	8200313	TS, One Way Span Wire Mtd (LED)	2.00	Ea	\$1,150.00	\$2,300.00

Line	Pay Item	Description	Quantity	Units	Unit Price	Total
0084	8200322	TS, Two Way Span Wire Mtd (LED)	4.00	Ea	\$1,700.00	\$6,800.00
0085	8200325	TS, Three Way Span Wire Mtd (LED)	2.00	Ea	\$2,300.00	\$4,600.00
0086	8200327	TS, Four Way Span Wire Mtd (LED)	1.00	Ea	\$2,500.00	\$2,500.00
0087	8200337	TS, Pedestrian, One Way Bracket Arm Mtd (LED)	1.00	Ea	\$750.00	\$750.00
0088	8200344	TS, Pedestrian, One Way Pedestal Mtd (LED)	1.00	Ea	\$800.00	\$800.00

Category 0001 Total: \$1,657,474.48

Category: 0002 Bidge Work

0089	2060002	Backfill, Structure, CIP	1,350.00	Cyd	\$15.00	\$20,250.00
0090	7050002	Pile Driving Equipment, Furn	1.00	LS	\$25,000.00	\$25,000.00
0091	7050030	Pile, Steel, Furn and Driven, 12 inch	1,860.00	Ft	\$32.00	\$59,520.00
0092	7050031	Test Pile, Steel, 12 inch	4.00	Ea	\$1,500.00	\$6,000.00
0093	7060010	Substructure Conc	740.00	Cyd	\$950.00	\$703,000.00
0094	7060020	Superstructure Conc	250.00	Cyd	\$350.00	\$87,500.00
0095	7060022	Superstructure Conc, Form, Finish, and Cure	1.00	LS	\$5,000.00	\$5,000.00
0096	7060031	Expansion Joint Device	150.00	Ft	\$150.00	\$22,500.00
0097	7060035	Reinforcement, Steel, Epoxy Coated	140,000.00	Lb	\$2.00	\$280,000.00
0098	7080006	Prest Conc Deck, 39 inch	13,251.00	Sft	\$50.00	\$662,550.00
0099	7080015	Post Tensioning	1.00	LS	\$30,000.00	\$30,000.00
0100	7110001	Bridge Barrier Railing, Type 4	690.00	Ft	\$100.00	\$69,000.00
0101	8070000	Guardrail, Type B	1,000.00	Ft	\$17.50	\$17,500.00
0102	8070024	Guardrail Anch, Bridge, Det T3	4.00	Ea	\$2,000.00	\$8,000.00
0103	8070042	Guardrail Approach Terminal, Type 2B	4.00	Ea	\$2,500.00	\$10,000.00

Category 0002 Total: \$2,005,820.00

Estimate Total: \$3,663,294.48