

COA		ODOT												
REF.	ITEM	ITEM	ENGINEER'S ESTIMATE				1 B.G. TRUCKING & CONST.		*2 DOT CONSTRUCTION		3 PERK COMPANY, INC			
NO.	NO.	NO.	DESCRIPTION	QTY.	UNIT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	
1	103		Contract Performance Bond	1.00	L.S.	\$8,000.00	\$8,000.00	\$8,500.00	\$8,500.00	\$9,500.00	\$9,500.00	\$7,200.00	\$7,200.00	
2	202		Wearing Course Removed (Roadway)	3,265.00	S.Y.	\$3.00	\$9,795.00	\$4.00	\$13,060.00	\$3.00	\$9,795.00	\$2.75	\$8,978.75	
3	202		Portion of Structures Removed, as Per Plan	1.00	L.S.	\$26,000.00	\$26,000.00	\$41,000.00	\$41,000.00	\$50,000.00	\$50,000.00	\$42,150.00	\$42,150.00	
4	202		Approach Slab Removed	200.00	S.Y.	\$31.00	\$6,200.00	\$55.00	\$11,000.00	\$25.00	\$5,000.00	\$18.15	\$3,630.00	
5	202		Water Mains Abandoned	1.00	L.S.	\$3,500.00	\$3,500.00	\$2,500.00	\$2,500.00	\$5,000.00	\$5,000.00	\$7,330.00	\$7,330.00	
6	259		12" Cap	1.00	EACH	\$750.00	\$750.00	\$1,200.00	\$1,200.00	\$2,500.00	\$2,500.00	\$1,820.00	\$1,820.00	
7	407		Tack Coat	650.00	GAL.	\$2.00	\$1,300.00	\$2.00	\$1,300.00	\$2.00	\$1,300.00	\$3.00	\$1,950.00	
8	407		Tack Coat for Intermediate Course	650.00	GAL.	\$2.00	\$1,300.00	\$2.00	\$1,300.00	\$2.00	\$1,300.00	\$3.00	\$1,950.00	
9	448		Asphalt Concrete Intermediate Course Course, Type 2, 1 inch Thick	100.00	C.Y.	\$155.00	\$15,500.00	\$185.00	\$18,500.00	\$145.00	\$14,500.00	\$140.00	\$14,000.00	
10	448		Asphalt Concrete Surface Course, Type 1, 1.5 inches Thick	150.00	C.Y.	\$155.00	\$23,250.00	\$170.00	\$25,500.00	\$155.00	\$23,250.00	\$160.00	\$24,000.00	
11	455		Curb and Gutter, Modified, as per Plan	190.00	L.F.	\$25.00	\$4,750.00	\$100.00	\$19,000.00	\$20.00	\$3,800.00	\$69.55	\$13,214.50	
12	456		Concrete Walk, 6 inches Thick	1,000.00	S.F.	\$6.00	\$6,000.00	\$8.00	\$8,000.00	\$5.00	\$5,000.00	\$6.95	\$6,950.00	
13	456		Curb Ramps	2.00	EACH	\$400.00	\$800.00	\$500.00	\$1,000.00	\$500.00	\$1,000.00	\$1,755.00	\$3,510.00	
14	460		Brick Walk	200.00	S.F.	\$15.00	\$3,000.00	\$25.00	\$5,000.00	\$15.00	\$3,000.00	\$25.00	\$5,000.00	
15	503		Unclassified Excavation	31.00	C.Y.	\$60.00	\$1,860.00	\$50.00	\$1,550.00	\$25.00	\$775.00	\$120.00	\$3,720.00	
16	509		Epoxy Coated Reinforcing Steel	10,336.00	LBS.	\$1.40	\$14,470.40	\$1.50	\$15,504.00	\$1.10	\$11,369.60	\$1.35	\$13,953.60	
17	510		Dowel Holes/ non-shrink, non-metallic grout	476.00	EACH	\$14.85	\$7,068.60	\$35.00	\$16,660.00	\$20.00	\$9,520.00	\$15.30	\$7,282.80	
18		511	ODOT Class HP4 Modified Concrete, Misc., Sidewalk, Slab and Parapet (Structure)	70.00	C.Y.	\$550.00	\$38,500.00	\$690.00	\$48,300.00	\$600.00	\$42,000.00	\$1,020.00	\$71,400.00	
19		511	Class S Concrete, Abutment	18.00	C.Y.	\$450.00	\$8,100.00	\$690.00	\$12,420.00	\$600.00	\$10,800.00	\$715.00	\$12,870.00	
20		512	Type 2 Waterproofing	13.00	S.Y.	\$35.00	\$455.00	\$75.00	\$975.00	\$40.00	\$520.00	\$31.60	\$410.80	
21		512	Sealing of Concrete Surfaces ( Class Silane (90 - 100%))	2,500.00	S.Y.	\$7.00	\$17,500.00	\$7.00	\$17,500.00	\$10.00	\$25,000.00	\$16.00	\$40,000.00	
22	513		Structural Steel Member, Level UF	720.00	LBS.	\$8.00	\$5,760.00	\$5.50	\$3,960.00	\$10.00	\$7,200.00	\$5.70	\$4,104.00	
23		514	Surface Preparation of Existing Steel, OZEU	1.00	L.S.	\$20,000.00	\$20,000.00	\$50,000.00	\$50,000.00	\$60,000.00	\$60,000.00	\$45,000.00	\$45,000.00	
24		514	Field Painting Existing Steel, Structural Steel, Prime Coat, OZEU	1.00	L.S.	\$12,000.00	\$12,000.00	\$7,000.00	\$7,000.00	\$5,000.00	\$5,000.00	\$8,000.00	\$8,000.00	
25		514	Field Painting Existing Steel, Structural Steel, Intermediate Coat, OZEU	1.00	L.S.	\$12,000.00	\$12,000.00	\$7,000.00	\$7,000.00	\$5,000.00	\$5,000.00	\$8,000.00	\$8,000.00	
26		514	Field Painting Existing Steel, Structural Steel, Finish Coat, OZEU	1.00	L.S.	\$12,000.00	\$12,000.00	\$7,000.00	\$7,000.00	\$5,000.00	\$5,000.00	\$4,000.00	\$4,000.00	
27		514	Grinding Fins, Tears, Slivers on Existing Steel Structural Steel	10.00	M.H.	\$100.00	\$1,000.00	\$50.00	\$500.00	\$325.00	\$3,250.00	\$500.00	\$5,000.00	
28		514	Final Inspection Repairs	2.00	EACH	\$1,000.00	\$2,000.00	\$300.00	\$600.00	\$1,000.00	\$2,000.00	\$1,500.00	\$3,000.00	
29		516	Structural Steel Expansion Joints Including Elastomeric Seals	117.00	L.F.	\$355.00	\$41,535.00	\$500.00	\$58,500.00	\$450.00	\$52,650.00	\$560.00	\$65,520.00	
30		516	1 "Preformed Expansion Joint Filler	111.00	S.F.	\$6.90	\$765.90	\$8.00	\$888.00	\$10.00	\$1,110.00	\$8.85	\$982.35	
31		516	Replace Existing Bearing Pads, as per Plan	20.00	EACH	\$115.00	\$2,300.00	\$125.00	\$2,500.00	\$700.00	\$14,000.00	\$187.00	\$3,740.00	
32		516	Refurbish and Rest Bearing	20.00	Each	\$1,500.00	\$30,000.00	\$750.00	\$15,000.00	\$700.00	\$14,000.00	\$850.00	\$17,000.00	
33		518	Porous Backfill with Filter Fabric	18.00	C.Y.	\$84.50	\$1,521.00	\$150.00	\$2,700.00	\$60.00	\$1,080.00	\$80.00	\$1,440.00	
34	519		Patching Concrete Structures, Surface Delamination Repairs as per Plan	750.00	S.F.	\$75.00	\$56,250.00	\$76.00	\$57,000.00	\$89.00	\$66,750.00	\$100.00	\$75,000.00	
35	519		Patching Concrete Structures (Bagged Trowel Mixture)	165.00	S.F.	\$40.00	\$6,600.00	\$76.00	\$12,540.00	\$95.00	\$15,675.00	\$100.00	\$16,500.00	
36		526	ODOT Class HP4 Modified Reinforced Concrete Approach Slab, T = 15"	200.00	S.Y.	\$203.00	\$40,600.00	\$230.00	\$46,000.00	\$225.00	\$45,000.00	\$233.75	\$46,750.00	
37	561		Manhole Frame and Cover (Electric)	2.00	EACH	\$600.00	\$1,200.00	\$700.00	\$1,400.00	\$1,000.00	\$2,000.00	\$890.00	\$1,780.00	
38	562		Manhole Adjusted	2.00	EACH	\$300.00	\$600.00	\$500.00	\$1,000.00	\$600.00	\$1,200.00	\$455.00	\$910.00	
39	563		Inlet Adjusted	1.00	EACH	\$300.00	\$300.00	\$600.00	\$600.00	\$700.00	\$700.00	\$455.00	\$455.00	
40	564		4 inch Pipe Underdrains	110.00	L.F.	\$4.00	\$440.00	\$15.00	\$1,650.00	\$12.00	\$1,320.00	\$22.00	\$2,420.00	
41	604		Bank Run Gravel	20.00	C.Y.	\$20.00	\$400.00	\$100.00	\$2,000.00	\$40.00	\$800.00	\$65.00	\$1,300.00	
42	613		Uniformed Law Enforcement Officer with Patrol Car	160.00	HOUR	\$31.00	\$4,960.00	\$50.00	\$8,000.00	\$80.00	\$12,800.00	\$55.00	\$8,800.00	
43	614		Maintaining Traffic	1.00	L.S.	\$11,500.00	\$11,500.00	\$6,000.00	\$6,000.00	\$12,600.00	\$12,600.00	\$23,100.00	\$23,100.00	
44	618		Computer Equipment	1.00	Allow.	\$5,000.00	\$5,000.00	\$500.00	\$500.00	\$1,500.00	\$1,500.00	\$2,300.00	\$2,300.00	
45	619		Field Office	1.00	L.S.	\$6,000.00	\$6,000.00	\$7,000.00	\$7,000.00	\$4,000.00	\$4,000.00	\$5,500.00	\$5,500.00	
46	621		Lane Lines, 4 inch, Dashed	1,500.00	L.F.	\$0.80	\$1,200.00	\$0.25	\$375.00	\$0.40	\$600.00	\$0.40	\$600.00	
47	621		Channelizing Line, 8 inch	500.00	L.F.	\$1.10	\$550.00	\$1.00	\$500.00	\$0.95	\$475.00	\$0.95	\$475.00	
48	621		Double Center Line, 4 inch, Continuous	1,060.00	L.F.	\$1.15	\$1,219.00	\$1.00	\$1,060.00	\$0.80	\$848.00	\$0.80	\$848.00	
49	621		Stop Lines	144.00	L.F.	\$3.00	\$432.00	\$3.00	\$432.00	\$4.00	\$576.00	\$4.00	\$576.00	
50	621		Crosswalk Lines	560.00	L.F.	\$3.00	\$1,680.00	\$5.00	\$2,800.00	\$2.00	\$1,120.00	\$2.00	\$1,120.00	
51	621		Lane Arrows	11.00	EACH	\$100.00	\$1,100.00	\$35.00	\$385.00	\$60.00	\$660.00	\$60.00	\$660.00	
52	621		Word on Pavement, 24 inch	2.00	EACH	\$115.00	\$230.00	\$75.00	\$150.00	\$75.00	\$150.00	\$75.00	\$150.00	
53	623		Construction Layout Stakes	1.00	L.S.	\$1,150.00	\$1,150.00	\$1,000.00	\$1,000.00	\$3,000.00	\$3,000.00	\$3,500.00	\$3,500.00	
54	624		Mobilization	1.00	L.S.	\$6,000.00	\$6,000.00	\$10,000.00	\$10,000.00	\$20,000.00	\$20,000.00	\$56,800.00	\$56,800.00	
55	625		2" Schedule 40 PVC Conduit, Encased in Wall	150.00	L.F.	\$3.00	\$450.00	\$5.00	\$750.00	\$12.50	\$1,875.00	\$12.50	\$1,875.00	

COA		ODOT			ENGINEER'S ESTIMATE		1 B.G. TRUCKING & CONST.		*2 DOT CONSTRUCTION		3 PERK COMPANY, INC			
REF. NO.	ITEM NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	
56	625		No. 4 or 6 AWG, Type USE Copper 600 Volt Distribution Cable	3,100.00	L.F.	\$1.50	\$4,650.00	\$2.50	\$7,750.00	\$3.25	\$10,075.00	\$3.25	\$10,075.00	
57	625		No. 10 AWG, Type THHN Pole and Bracket Cable	100.00	L.F.	\$1.15	\$115.00	\$1.75	\$175.00	\$1.80	\$180.00	\$1.80	\$180.00	
58	625		Fused and Non-fused Connector Kit	12.00	EACH	\$100.00	\$1,200.00	\$80.00	\$960.00	\$135.00	\$1,620.00	\$135.00	\$1,620.00	
59	631		Portable Changeable Message Sign , as Per Plan	9.00	Each	\$800.00	\$7,200.00	\$1,500.00	\$13,500.00	\$1,500.00	\$13,500.00	\$2,400.00	\$21,600.00	
60	653		Topsoil Furnished & Placed, 4" Thick	200.00	S.Y.	\$5.00	\$1,000.00	\$12.00	\$2,400.00	\$15.00	\$3,000.00	\$5.50	\$1,100.00	
61	654		Lawn Renovation with Seeding	100.00	S.Y.	\$5.00	\$500.00	\$7.00	\$700.00	\$4.00	\$400.00	\$1.25	\$125.00	
62	659		Lawn Seeding and Mulching	100.00	S.Y.	\$1.50	\$150.00	\$7.00	\$700.00	\$4.00	\$400.00	\$1.25	\$125.00	
63	668		Seeding and Excelsior Matting	100.00	S.Y.	\$2.00	\$200.00	\$14.00	\$1,400.00	\$4.00	\$400.00	\$12.00	\$1,200.00	
64		848	Wearing Course Removed, Asphalt (Bridge) - (2.5" Thick)	1,710.00	S.Y.	\$3.50	\$5,985.00	\$7.00	\$11,970.00	\$4.00	\$6,840.00	\$4.30	\$7,353.00	
65		848	Micro-silica Modified Concrete Overlay using Hydro-Demolition, 3.5" Thick	1,710.00	S.Y.	\$50.00	\$85,500.00	\$40.00	\$68,400.00	\$30.00	\$51,300.00	\$30.20	\$51,642.00	
66		848	Surface Preparation using Hydro-demolition (1" Thick)	1,710.00	S.Y.	\$25.00	\$42,750.00	\$40.00	\$68,400.00	\$65.00	\$111,150.00	\$48.00	\$82,080.00	
67		848	Micro-silica Modified Concrete Overlay (Variable Thickness) Material Only	50.00	C.Y.	\$175.00	\$8,750.00	\$150.00	\$7,500.00	\$200.00	\$10,000.00	\$150.00	\$7,500.00	
68		848	Test Slab	1.00	L.S.	\$600.00	\$600.00	\$700.00	\$700.00	\$1,000.00	\$1,000.00	\$1,450.00	\$1,450.00	
69		848	Full Depth Repair	10.00	C.Y.	\$1,000.00	\$10,000.00	\$150.00	\$1,500.00	\$300.00	\$3,000.00	\$150.00	\$1,500.00	
70		848	Hand Chipping	75.00	S.Y.	\$60.00	\$4,500.00	\$50.00	\$3,750.00	\$100.00	\$7,500.00	\$97.00	\$7,275.00	
71	SPEC		Metalizing existing steel	1,200.00	S.F.	\$40.00	\$48,000.00	\$45.00	\$54,000.00	\$60.00	\$72,000.00	\$50.00	\$60,000.00	
72	SPEC		Hazardous Waste Management	1.00	L.S.	\$1,170.00	\$1,170.00	\$1,000.00	\$1,000.00	\$2,500.00	\$2,500.00	\$5,000.00	\$5,000.00	
73	SPEC		Non-hazardous Waste Management	1.00	L.S.	\$600.00	\$600.00	\$1,000.00	\$1,000.00	\$2,500.00	\$2,500.00	\$5,000.00	\$5,000.00	
74	SPEC		Rail Coordination	1.00	L.S.	\$2,000.00	\$2,000.00	\$1,500.00	\$1,500.00	\$5,000.00	\$5,000.00	\$7,500.00	\$7,500.00	
75	SPEC		Premium on Railroad's Protective Public Liability Insurance	1.00	L.S.	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$20,000.00	\$20,000.00	\$5,000.00	\$5,000.00	
<b>TOTAL CONSTRUCTION COSTS</b>								<b>\$716,711.90</b>		<b>\$838,864.00</b>		<b>\$921,233.60</b>		<b>\$985,850.80</b>
<b>+/- ENGINEER'S ESTIMATE</b>										<b>+17.0%</b>		<b>+28.5%</b>		<b>+37.6%</b>

\*Ref No. 40 and Unofficial Construction Costs are incorrect.

\*\*Ref No.'s 24,25,26, and Unofficial Construction Cost- change initialed but not dated.

COA ODOT					ENGINEER'S ESTIMATE		4 SCHIRMER CONST CO		**5 THE VELOTTA CO		
REF. NO.	ITEM NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
1	103		Contract Performance Bond	1.00	L.S.	\$8,000.00	\$8,000.00	\$13,000.00	\$13,000.00	\$10,000.00	\$10,000.00
2	202		Wearing Course Removed (Roadway)	3,265.00	S.Y.	\$3.00	\$9,795.00	\$3.00	\$9,795.00	\$2.65	\$8,652.25
3	202		Portion of Structures Removed, as Per Plan	1.00	L.S.	\$26,000.00	\$26,000.00	\$42,000.00	\$42,000.00	\$95,730.00	\$95,730.00
4	202		Approach Slab Removed	200.00	S.Y.	\$31.00	\$6,200.00	\$45.00	\$9,000.00	\$36.00	\$7,200.00
5	202		Water Mains Abandoned	1.00	L.S.	\$3,500.00	\$3,500.00	\$8,000.00	\$8,000.00	\$15,000.00	\$15,000.00
6	259		12" Cap	1.00	EACH	\$750.00	\$750.00	\$1,500.00	\$1,500.00	\$3,000.00	\$3,000.00
7	407		Tack Coat	650.00	GAL.	\$2.00	\$1,300.00	\$3.00	\$1,950.00	\$2.00	\$1,300.00
8	407		Tack Coat for Intermediate Course	650.00	GAL.	\$2.00	\$1,300.00	\$3.00	\$1,950.00	\$2.00	\$1,300.00
9	448		Asphalt Concrete Intermediate Course Course, Type 2, 1 inch Thick	100.00	C.Y.	\$155.00	\$15,500.00	\$150.00	\$15,000.00	\$145.00	\$14,500.00
10	448		Asphalt Concrete Surface Course, Type 1, 1.5 inches Thick	150.00	C.Y.	\$155.00	\$23,250.00	\$170.00	\$25,500.00	\$155.00	\$23,250.00
11	455		Curb and Gutter, Modified, as per Plan	190.00	L.F.	\$25.00	\$4,750.00	\$55.00	\$10,450.00	\$75.00	\$14,250.00
12	456		Concrete Walk, 6 inches Thick	1,000.00	S.F.	\$6.00	\$6,000.00	\$12.00	\$12,000.00	\$10.00	\$10,000.00
13	456		Curb Ramps	2.00	EACH	\$400.00	\$800.00	\$700.00	\$1,400.00	\$1,000.00	\$2,000.00
14	460		Brick Walk	200.00	S.F.	\$15.00	\$3,000.00	\$8.00	\$1,600.00	\$25.00	\$5,000.00
15	503		Unclassified Excavation	31.00	C.Y.	\$60.00	\$1,860.00	\$150.00	\$4,650.00	\$125.00	\$3,875.00
16	509		Epoxy Coated Reinforcing Steel	10,336.00	LBS.	\$1.40	\$14,470.40	\$1.50	\$15,504.00	\$1.25	\$12,920.00
17	510		Dowel Holes/ non-shrink, non-metallic grout	476.00	EACH	\$14.85	\$7,068.60	\$18.00	\$8,568.00	\$20.00	\$9,520.00
18		511	ODOT Class HP4 Modified Concrete, Misc., Sidewalk, Slab and Parapet (Structure)	70.00	C.Y.	\$550.00	\$38,500.00	\$825.00	\$57,750.00	\$825.00	\$57,750.00
19		511	Class S Concrete, Abutment	18.00	C.Y.	\$450.00	\$8,100.00	\$875.00	\$15,750.00	\$1,170.00	\$21,060.00
20		512	Type 2 Waterproofing	13.00	S.Y.	\$35.00	\$455.00	\$75.00	\$975.00	\$35.00	\$455.00
21		512	Sealing of Concrete Surfaces ( Class Silane (90 - 100%0))	2,500.00	S.Y.	\$7.00	\$17,500.00	\$11.00	\$27,500.00	\$7.50	\$18,750.00
22	513		Structural Steel Member, Level UF	720.00	LBS.	\$8.00	\$5,760.00	\$9.00	\$6,480.00	\$5.70	\$4,104.00
23		514	Surface Preparation of Existing Steel, OZEU	1.00	L.S.	\$20,000.00	\$20,000.00	\$42,000.00	\$42,000.00	\$60,000.00	\$60,000.00
24		514	Field Painting Existing Steel, Structural Steel, Prime Coat, OZEU	1.00	L.S.	\$12,000.00	\$12,000.00	\$5,000.00	\$5,000.00	\$2,000.00	\$2,000.00
25		514	Field Painting Existing Steel, Structural Steel, Intermediate Coat, OZEU	1.00	L.S.	\$12,000.00	\$12,000.00	\$5,000.00	\$5,000.00	\$2,000.00	\$2,000.00
26		514	Field Painting Existing Steel, Structural Steel, Finish Coat, OZEU	1.00	L.S.	\$12,000.00	\$12,000.00	\$6,000.00	\$6,000.00	\$1,000.00	\$1,000.00
27		514	Grinding Fins, Tears, Slivers on Existing Steel Structural Steel	10.00	M.H.	\$100.00	\$1,000.00	\$120.00	\$1,200.00	\$400.00	\$4,000.00
28		514	Final Inspection Repairs	2.00	EACH	\$1,000.00	\$2,000.00	\$500.00	\$1,000.00	\$1,500.00	\$3,000.00
29		516	Structural Steel Expansion Joints Including Elastomeric Seals	117.00	L.F.	\$355.00	\$41,535.00	\$425.00	\$49,725.00	\$435.00	\$50,895.00
30		516	1" Preformed Expansion Joint Filler	111.00	S.F.	\$6.90	\$765.90	\$5.00	\$555.00	\$2.00	\$222.00
31		516	Replace Existing Bearing Pads, as per Plan	20.00	EACH	\$115.00	\$2,300.00	\$850.00	\$17,000.00	\$665.00	\$13,300.00
32		516	Refurbish and Rest Bearing	20.00	Each	\$1,500.00	\$30,000.00	\$1,600.00	\$32,000.00	\$1,000.00	\$20,000.00
33		518	Porous Backfill with Filter Fabric	18.00	C.Y.	\$84.50	\$1,521.00	\$75.00	\$1,350.00	\$175.00	\$3,150.00
34	519		Patching Concrete Structures, Surface Delamination Repairs as per Plan	750.00	S.F.	\$75.00	\$56,250.00	\$93.00	\$69,750.00	\$85.00	\$63,750.00
35	519		Patching Concrete Structures (Bagged Trowel Mixture)	165.00	S.F.	\$40.00	\$6,600.00	\$93.00	\$15,345.00	\$52.00	\$8,580.00
36		526	ODOT Class HP4 Modified Reinforced Concrete Approach Slab, T = 15"	200.00	S.Y.	\$203.00	\$40,600.00	\$230.00	\$46,000.00	\$295.00	\$59,000.00
37	561		Manhole Frame and Cover (Electric)	2.00	EACH	\$600.00	\$1,200.00	\$800.00	\$1,600.00	\$1,000.00	\$2,000.00
38	562		Manhole Adjusted	2.00	EACH	\$300.00	\$600.00	\$500.00	\$1,000.00	\$1,000.00	\$2,000.00
39	563		Inlet Adjusted	1.00	EACH	\$300.00	\$300.00	\$500.00	\$500.00	\$1,000.00	\$1,000.00
40	564		4 inch Pipe Underdrains	110.00	L.F.	\$4.00	\$440.00	\$15.00	\$1,650.00	\$25.00	\$2,750.00
41	604		Bank Run Gravel	20.00	C.Y.	\$20.00	\$400.00	\$60.00	\$1,200.00	\$125.00	\$2,500.00
42	613		Uniformed Law Enforcement Officer with Patrol Car	160.00	HOUR	\$31.00	\$4,960.00	\$50.00	\$8,000.00	\$55.00	\$8,800.00
43	614		Maintaining Traffic	1.00	L.S.	\$11,500.00	\$11,500.00	\$14,000.00	\$14,000.00	\$6,000.00	\$6,000.00
44	618		Computer Equipment	1.00	Allow.	\$5,000.00	\$5,000.00	\$1.00	\$1.00	\$2,000.00	\$2,000.00
45	619		Field Office	1.00	L.S.	\$6,000.00	\$6,000.00	\$7,000.00	\$7,000.00	\$7,000.00	\$7,000.00
46	621		Lane Lines, 4 inch, Dashed	1,500.00	L.F.	\$0.80	\$1,200.00	\$1.00	\$1,500.00	\$0.09	\$135.00
47	621		Channelizing Line, 8 inch	500.00	L.F.	\$1.10	\$550.00	\$1.00	\$500.00	\$0.90	\$450.00
48	621		Double Center Line, 4 inch, Continuous	1,060.00	L.F.	\$1.15	\$1,219.00	\$1.00	\$1,060.00	\$0.17	\$180.20
49	621		Stop Lines	144.00	L.F.	\$3.00	\$432.00	\$3.00	\$432.00	\$2.80	\$403.20
50	621		Crosswalk Lines	560.00	L.F.	\$3.00	\$1,680.00	\$3.00	\$1,680.00	\$3.00	\$1,680.00
51	621		Lane Arrows	11.00	EACH	\$100.00	\$1,100.00	\$60.00	\$660.00	\$55.00	\$605.00
52	621		Word on Pavement, 24 inch	2.00	EACH	\$115.00	\$230.00	\$50.00	\$100.00	\$45.00	\$90.00
53	623		Construction Layout Stakes	1.00	L.S.	\$1,150.00	\$1,150.00	\$12,000.00	\$12,000.00	\$3,000.00	\$3,000.00
54	624		Mobilization	1.00	L.S.	\$6,000.00	\$6,000.00	\$16,500.00	\$16,500.00	\$45,000.00	\$45,000.00
55	625		2" Schedule 40 PVC Conduit, Encased in Wall	150.00	L.F.	\$3.00	\$450.00	\$15.00	\$2,250.00	\$12.50	\$1,875.00

COA		ODOT	ENGINEER'S ESTIMATE				4 SCHIRMER CONST CO		**5 THE VELOTTA CO		
REF. NO.	ITEM NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
56	625		No. 4 or 6 AWG, Type USE Copper 600 Volt Distribution Cable	3,100.00	L.F.	\$1.50	\$4,650.00	\$4.00	\$12,400.00	\$3.25	\$10,075.00
57	625		No. 10 AWG, Type THHN Pole and Bracket Cable	100.00	L.F.	\$1.15	\$115.00	\$2.00	\$200.00	\$1.80	\$180.00
58	625		Fused and Non-fused Connector Kit	12.00	EACH	\$100.00	\$1,200.00	\$150.00	\$1,800.00	\$135.00	\$1,620.00
59	631		Portable Changeable Message Sign , as Per Plan	9.00	Each	\$800.00	\$7,200.00	\$1,000.00	\$9,000.00	\$800.00	\$7,200.00
60	653		Topsoil Furnished & Placed, 4" Thick	200.00	S.Y.	\$5.00	\$1,000.00	\$40.00	\$8,000.00	\$6.50	\$1,300.00
61	654		Lawn Renovation with Seeding	100.00	S.Y.	\$5.00	\$500.00	\$10.00	\$1,000.00	\$10.00	\$1,000.00
62	659		Lawn Seeding and Mulching	100.00	S.Y.	\$1.50	\$150.00	\$10.00	\$1,000.00	\$10.00	\$1,000.00
63	668		Seeding and Excelsior Matting	100.00	S.Y.	\$2.00	\$200.00	\$15.00	\$1,500.00	\$10.00	\$1,000.00
64		848	Wearing Course Removed, Asphalt (Bridge) - (2.5" Thick)	1,710.00	S.Y.	\$3.50	\$5,985.00	\$3.00	\$5,130.00	\$2.65	\$4,531.50
65		848	Micro-silica Modified Concrete Overlay using Hydro-Demolition, 3.5" Thick	1,710.00	S.Y.	\$50.00	\$85,500.00	\$40.00	\$68,400.00	\$36.00	\$61,560.00
66		848	Surface Preparation using Hydro-demolition (1" Thick)	1,710.00	S.Y.	\$25.00	\$42,750.00	\$72.00	\$123,120.00	\$60.00	\$102,600.00
67		848	Micro-silica Modified Concrete Overlay (Variable Thickness) Material Only	50.00	C.Y.	\$175.00	\$8,750.00	\$160.00	\$8,000.00	\$120.00	\$6,000.00
68		848	Test Slab	1.00	L.S.	\$600.00	\$600.00	\$1,800.00	\$1,800.00	\$500.00	\$500.00
69		848	Full Depth Repair	10.00	C.Y.	\$1,000.00	\$10,000.00	\$800.00	\$8,000.00	\$100.00	\$1,000.00
70		848	Hand Chipping	75.00	S.Y.	\$60.00	\$4,500.00	\$250.00	\$18,750.00	\$150.00	\$11,250.00
71	SPEC		Metalizing existing steel	1,200.00	S.F.	\$40.00	\$48,000.00	\$30.00	\$36,000.00	\$50.00	\$60,000.00
72	SPEC		Hazardous Waste Management	1.00	L.S.	\$1,170.00	\$1,170.00	\$1.00	\$1.00	\$4,000.00	\$4,000.00
73	SPEC		Non-hazardous Waste Management	1.00	L.S.	\$600.00	\$600.00	\$10,000.00	\$10,000.00	\$2,000.00	\$2,000.00
74	SPEC		Rail Coordination	1.00	L.S.	\$2,000.00	\$2,000.00	\$10,000.00	\$10,000.00	\$2,000.00	\$2,000.00
75	SPEC		Premium on Railroad's Protective Public Liability Insurance	1.00	L.S.	\$5,000.00	\$5,000.00	\$20,000.00	\$20,000.00	\$5,000.00	\$5,000.00
<b>TOTAL CONSTRUCTION COSTS</b>							<b>\$716,711.90</b>		<b>\$997,981.00</b>		<b>\$1,001,798.15</b>
<b>+/- ENGINEER'S ESTIMATE</b>									<b>+39.2%</b>	<b>+39.8%</b>	

\*Ref No. 40 and Unofficial Construction Costs are incorrect.

\*\*Ref No.'s 24,25,26, and Unofficial Construction Cost- change initialed but not dated.