

BID OPENING DATE: 3:00 P.M. September 29, 2004

PART A: Bridge Replacement/Rehabilitation

Engineers Estimate
Date: August 4, 2004

E.C. Korneffel Company
2691 Veteran's Parkway
Trenton, MI 48183

Walter Toebe Construction
29001 Wall Street
P.O. Box 930129
Wixom, MI 48393

ABC Paving Co.
2650 Van Horn Road
Trenton, MI 48183

Posen Constructuin Inc.
50500 Design Lane
Shelby Twp, MI 48315

Item No.	Description	Quantity	Unit	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
1	Guardrail, Rem	30	Ft	\$5.00	\$150.00	\$6.00	\$180.00	\$9.00	\$270.00	\$10.00	\$300.00	\$9.00	\$270.00
2	Structures, Rem Portions	1	LS	\$3,500.00	\$3,500.00	\$50,000.00	\$50,000.00	\$60,969.00	\$60,969.00	\$3,500.00	\$3,500.00	\$2,700.00	\$2,700.00
3	Embankment, CIP	375	Cyd	\$13.00	\$4,875.00	\$25.00	\$9,375.00	\$25.00	\$9,375.00	\$17.00	\$6,375.00	\$25.00	\$9,375.00
4	Subgrade Undercutting, Type II	100	Cyd	\$15.00	\$1,500.00	\$21.00	\$2,100.00	\$21.00	\$2,100.00	\$35.00	\$3,500.00	\$21.00	\$2,100.00
5	Backfill, Structure, CIP	175	Cyd	\$24.50	\$4,287.50	\$14.00	\$2,450.00	\$14.00	\$2,450.00	\$20.00	\$3,500.00	\$14.00	\$2,450.00
6	Excavation, Fdn	26	Cyd	\$11.50	\$299.00	\$25.00	\$650.00	\$28.00	\$728.00	\$22.00	\$572.00	\$26.00	\$676.00
7	Erosion Control, Silt Fence	7,200	Ft	\$2.50	\$18,000.00	\$1.30	\$9,360.00	\$1.30	\$9,360.00	\$1.26	\$9,072.00	\$1.30	\$9,360.00
8	Underdrain, Fdn, 6 inch	90	Ft	\$3.50	\$315.00	\$18.00	\$1,620.00	\$18.00	\$1,620.00	\$8.00	\$720.00	\$18.00	\$1,620.00
9	Underdrain, Outlet Ending, 6 inch	2	Ea	\$150.00	\$300.00	\$250.00	\$500.00	\$170.00	\$340.00	\$330.00	\$660.00	\$170.00	\$340.00
10	Steel Sheet Piling, Permanent	3,160	Sft	\$18.50	\$58,460.00	\$12.00	\$37,920.00	\$23.37	\$73,849.20	\$26.00	\$82,160.00	\$29.02	\$91,703.20
11	Prefabricated Pedestrian Bridge, Erect	1	LS	\$60,000.00	\$60,000.00	\$15,000.00	\$15,000.00	\$12,960.59	\$12,960.59	\$39,700.00	\$39,700.00	\$23,619.76	\$23,619.76
12	Prefabricated Pedestrian Bridge, Furn	1	LS	\$90,000.00	\$90,000.00	\$105,000.00	\$105,000.00	\$105,997.67	\$105,997.67	\$117,000.00	\$117,000.00	\$153,617.67	\$153,617.67
13	Substructure Conc	19	Cyd	\$400.00	\$7,600.00	\$1,000.00	\$19,000.00	\$749.05	\$14,231.95	\$335.00	\$6,365.00	\$1,142.25	\$21,702.75
14	Superstructure Conc	33	Cyd	\$454.00	\$14,982.00	\$900.00	\$29,700.00	\$203.17	\$6,704.61	\$84.00	\$2,772.00	\$129.39	\$4,269.87
15	Superstructure Conc, Form, Finish, and Cure (B2)	1	LS	\$10,725.00	\$10,725.00	\$0.01	\$0.01	\$3,489.88	\$3,489.88	\$16,700.00	\$16,700.00	\$13,688.75	\$13,688.75
16	Reinforcement, Steel, Epoxy Coated	6,403	Lb	\$1.00	\$6,403.00	\$1.00	\$6,403.00	\$0.99	\$6,338.97	\$1.36	\$8,708.08	\$1.88	\$12,037.64
17	Structure, Timber (B01)	1	LS	\$35,000.00	\$35,000.00	\$30,000.00	\$30,000.00	\$19,291.00	\$19,291.00	\$39,000.00	\$39,000.00	\$35,500.00	\$35,500.00
18	Bolt, Adhesive Anchored, 1 inch	8	Ea	\$25.00	\$200.00	\$20.00	\$160.00	\$31.21	\$249.68	\$46.00	\$368.00	\$38.74	\$309.92
19	Steel Railing	179	Ft	\$75.00	\$13,425.00	\$150.00	\$26,850.00	\$336.75	\$60,278.25	\$154.00	\$27,566.00	\$173.00	\$30,967.00
20	Riprap, Heavy	190	Syd	\$15.00	\$2,850.00	\$70.00	\$13,300.00	\$70.00	\$13,300.00	\$49.00	\$9,310.00	\$70.00	\$13,300.00
					\$332,871.50		\$359,568.01		\$403,903.80		\$377,848.08		\$429,607.56

PART B: Pathway Intersection Crossings and Road Improvements

E.C. Korneff Company
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Trenton, MI 48183

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P.O. Box 930129
Wixom, MI 48393

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2650 Van Horn Road
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50500 Design Lane
Shelby Twp, MI 48315

Item No.	Description	Quantity	Unit	Engineers Estimate		E.C. Korneff Company		Walter Toebe Construction		ABC Paving Co.		Posen Constructuoin Inc.	
				Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
1	Mobilization, Max	1	LS	\$38,600.00	\$38,600.00	\$38,600.00	\$38,600.00	\$38,600.00	\$38,600.00	\$38,000.00	\$38,000.00	\$38,600.00	\$38,600.00
2	Clearing	0.3	Acre	\$4,000.00	\$1,200.00	\$8,750.00	\$2,625.00	\$8,750.00	\$2,625.00	\$18,300.00	\$5,490.00	\$8,750.00	\$2,625.00
3	Culv, Rem, Less than 24 inch	3	Ea	\$230.00	\$690.00	\$400.00	\$1,200.00	\$400.00	\$1,200.00	\$400.00	\$1,200.00	\$400.00	\$1,200.00
4	Culv End, Rem, Less than 24 inch	4	Ea	\$120.00	\$480.00	\$64.00	\$256.00	\$64.00	\$256.00	\$250.00	\$1,000.00	\$64.00	\$256.00
5	Sewer, Rem, Less than 24 inch	68	Ft	\$5.00	\$340.00	\$7.70	\$523.60	\$7.70	\$523.60	\$21.00	\$1,428.00	\$7.70	\$523.60
6	Curb and Gutter, Rem	610	Ft	\$5.00	\$3,050.00	\$20.00	\$12,200.00	\$20.00	\$12,200.00	\$6.00	\$3,660.00	\$20.00	\$12,200.00
7	Pavt, Rem	300	Syd	\$6.00	\$1,800.00	\$4.70	\$1,410.00	\$4.70	\$1,410.00	\$11.00	\$3,300.00	\$4.70	\$1,410.00
8	Sidewalk Rem	178	Syd	\$3.00	\$534.00	\$3.80	\$676.40	\$3.80	\$676.40	\$12.00	\$2,136.00	\$3.80	\$676.40
9	Roadway Grading	29	Sta	\$300.00	\$8,700.00	\$1,600.00	\$46,400.00	\$1,000.00	\$29,000.00	\$2,000.00	\$58,000.00	\$1,600.00	\$46,400.00
10	Erosion Control, Check Dam, Stone	20	Ft	\$50.00	\$1,000.00	\$13.00	\$260.00	\$13.00	\$260.00	\$17.00	\$340.00	\$13.00	\$260.00
11	Erosion Control, Gravel Filter Berm	160	Ft	\$30.00	\$4,800.00	\$1.40	\$224.00	\$1.40	\$224.00	\$18.00	\$2,880.00	\$1.40	\$224.00
12	Erosion Control, Inlet Protection, Fabric Drop	3	Ea	\$45.00	\$135.00	\$68.00	\$204.00	\$68.00	\$204.00	\$150.00	\$450.00	\$68.00	\$204.00
13	Aggregate Base, 9 inch	957	Syd	\$7.00	\$6,699.00	\$7.60	\$7,273.20	\$7.60	\$7,273.20	\$16.30	\$15,599.10	\$7.60	\$7,273.20
14	Shoulder CI II, 6 inch	1,250	Syd	\$6.00	\$7,500.00	\$7.20	\$9,000.00	\$7.20	\$9,000.00	\$9.40	\$11,750.00	\$7.20	\$9,000.00
15	Culv, CL A, 12 inch	65	Ft	\$35.00	\$2,275.00	\$18.00	\$1,170.00	\$18.00	\$1,170.00	\$39.00	\$2,535.00	\$18.00	\$1,170.00
16	Culv, CL A, 15 inch	30	Ft	\$40.00	\$1,200.00	\$22.00	\$660.00	\$22.00	\$660.00	\$43.00	\$1,290.00	\$22.00	\$660.00
17	Culv, CL A, 18 inch	40	Ft	\$45.00	\$1,800.00	\$24.00	\$960.00	\$24.00	\$960.00	\$46.00	\$1,840.00	\$24.00	\$960.00
18	Culv, CL A, CSP, 12 inch	88	Ft	\$45.00	\$3,960.00	\$11.80	\$1,038.40	\$11.80	\$1,038.40	\$38.50	\$3,388.00	\$11.80	\$1,038.40
19	Culv End Sect, 12 inch	4	Ea	\$300.00	\$1,200.00	\$340.00	\$1,360.00	\$340.00	\$1,360.00	\$564.00	\$2,256.00	\$340.00	\$1,360.00
20	Culv End Sect, 15 inch	2	Ea	\$350.00	\$700.00	\$400.00	\$800.00	\$400.00	\$800.00	\$575.00	\$1,150.00	\$400.00	\$800.00
21	Culv End Sect, 18 inch	2	Ea	\$450.00	\$900.00	\$460.00	\$920.00	\$460.00	\$920.00	\$590.00	\$1,180.00	\$460.00	\$920.00
22	Culv End Sect, Metal, 12 inch	6	Ea	\$200.00	\$1,200.00	\$88.00	\$528.00	\$88.00	\$528.00	\$560.00	\$3,360.00	\$88.00	\$528.00
23	Sewer, CI IV, 12 inch, Tr Det B	339	Ft	\$35.00	\$11,865.00	\$22.00	\$7,458.00	\$22.00	\$7,458.00	\$32.00	\$10,848.00	\$22.00	\$7,458.00
24	Dr Structure, 48 inch dia	5	Ea	\$1,500.00	\$7,500.00	\$1,800.00	\$9,000.00	\$1,800.00	\$9,000.00	\$925.00	\$4,625.00	\$1,800.00	\$9,000.00
25	Dr Structure, Cleaning	3	Ea	\$125.00	\$375.00	\$250.00	\$750.00	\$250.00	\$750.00	\$275.00	\$825.00	\$250.00	\$750.00
26	Dr Structure, Adj, Add Depth	2	Ft	\$220.00	\$440.00	\$200.00	\$400.00	\$200.00	\$400.00	\$325.00	\$650.00	\$200.00	\$400.00
27	Dr Structure Cover	3,250	Lb	\$1.20	\$3,900.00	\$2.00	\$6,500.00	\$2.00	\$6,500.00	\$0.95	\$3,087.50	\$2.00	\$6,500.00
28	Dr Structure Cover, Adj, Case 1	2	Ea	\$450.00	\$900.00	\$158.00	\$316.00	\$158.00	\$316.00	\$600.00	\$1,200.00	\$158.00	\$316.00
29	Dr Structure Cover, Adj, Case 2	4	Ea	\$350.00	\$1,400.00	\$1,200.00	\$4,800.00	\$1,200.00	\$4,800.00	\$325.00	\$1,300.00	\$1,200.00	\$4,800.00
30	Dr Structure, Tap, 12 inch	3	Ea	\$260.00	\$780.00	\$250.00	\$750.00	\$250.00	\$750.00	\$1,000.00	\$3,000.00	\$250.00	\$750.00
31	Cold Milling HMA Surface	1,000	Syd	\$1.50	\$1,500.00	\$7.50	\$7,500.00	\$7.50	\$7,500.00	\$6.40	\$6,400.00	\$7.50	\$7,500.00
32	Pavt for Butt Joints, Rem	750	Syd	\$7.70	\$5,775.00	\$5.40	\$4,050.00	\$5.40	\$4,050.00	\$8.15	\$6,112.50	\$5.40	\$4,050.00
33	HMA, 2C	540	Ton	\$38.00	\$20,520.00	\$46.00	\$24,840.00	\$46.00	\$24,840.00	\$62.00	\$33,480.00	\$46.00	\$24,840.00
34	HMA, 3C	580	Ton	\$38.00	\$22,040.00	\$47.00	\$27,260.00	\$47.00	\$27,260.00	\$61.00	\$35,380.00	\$47.00	\$27,260.00
35	HMA, 4C	1,650	Ton	\$38.00	\$62,700.00	\$48.00	\$79,200.00	\$48.00	\$79,200.00	\$55.00	\$90,750.00	\$48.00	\$79,200.00
36	HMA Approach	55	Ton	\$40.00	\$2,200.00	\$75.00	\$4,125.00	\$75.00	\$4,125.00	\$80.00	\$4,400.00	\$75.00	\$4,125.00
37	Curb and Gutter, Conc, Det B2	172	Ft	\$20.00	\$3,440.00	\$18.00	\$3,096.00	\$18.00	\$3,096.00	\$17.00	\$2,924.00	\$18.00	\$3,096.00
38	Curb and Gutter, Conc, Det C4	435	Ft	\$18.00	\$7,830.00	\$18.00	\$7,830.00	\$18.00	\$7,830.00	\$17.00	\$7,395.00	\$18.00	\$7,830.00
39	Sidewalk Ramp, ADA	448	Sft	\$6.00	\$2,688.00	\$3.80	\$1,702.40	\$3.80	\$1,702.40	\$8.75	\$3,920.00	\$3.80	\$1,702.40
40	Bicycle Path, Grading	1,941	Ft	\$12.00	\$23,292.00	\$14.00	\$27,174.00	\$14.00	\$27,174.00	\$9.30	\$18,051.30	\$14.00	\$27,174.00
41	Bicycle Path, Aggregate	621	Ton	\$13.00	\$8,073.00	\$21.00	\$13,041.00	\$21.00	\$13,041.00	\$22.00	\$13,662.00	\$21.00	\$13,041.00
42	Bicycle Path, HMA	495	Ton	\$50.00	\$24,750.00	\$60.00	\$29,700.00	\$60.00	\$29,700.00	\$75.00	\$37,125.00	\$60.00	\$29,700.00
43	Post, Steel, 3 Lb	896	Ft	\$4.50	\$4,032.00	\$3.75	\$3,360.00	\$3.75	\$3,360.00	\$4.25	\$3,808.00	\$3.75	\$3,360.00
44	Sign, Type IIIA	52	Sft	\$20.00	\$1,040.00	\$21.00	\$1,092.00	\$21.00	\$1,092.00	\$16.50	\$858.00	\$21.00	\$1,092.00
45	Sign, Type IIIB	178	Sft	\$25.00	\$4,450.00	\$21.00	\$3,738.00	\$21.00	\$3,738.00	\$15.30	\$2,723.40	\$21.00	\$3,738.00
46	Marker, Flexible, Tubular	240	Ea	\$110.00	\$26,400.00	\$44.00	\$10,560.00	\$44.00	\$10,560.00	\$35.00	\$8,400.00	\$44.00	\$10,560.00

PART B: Pathway Intersection Crossings and Road Improvements-Continued

**Engineers Estimate
Date: August 4, 2004**

**E.C. Korneffel Company
2691 Veteran's Parkway
Trenton, MI 48183**

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50500 Design Lane
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Item No.	Description	Unit	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
47	Pavt Mrkg, Sprayable Thermopl, 6 inch, Yellow	501 Ft	\$3.00	\$1,503.00	\$2.70	\$1,352.70	\$2.70	\$1,352.70	\$2.40	\$1,202.40	\$2.70	\$1,352.70
48	Pavt Mrkg, Thermopl, 12 inch, Crosswalk	140 Ft	\$3.50	\$490.00	\$6.60	\$924.00	\$6.60	\$924.00	\$5.75	\$805.00	\$6.60	\$924.00
49	Pavt Mrkg, Thermopl, 24 inch, Stop Bar	40 Ft	\$5.00	\$200.00	\$13.20	\$528.00	\$13.20	\$528.00	\$11.50	\$460.00	\$13.20	\$528.00
50	Corrugated HMA Divider-Depressed	260 Ft	\$5.00	\$1,300.00	\$6.00	\$1,560.00	\$6.00	\$1,560.00	\$4.30	\$1,118.00	\$6.00	\$1,560.00
51	Pavt Mrkg, Ovly Cold Plastic, Xing	8 Ea	\$80.00	\$640.00	\$170.00	\$1,360.00	\$170.00	\$1,360.00	\$150.00	\$1,200.00	\$170.00	\$1,360.00
52	Pavt Mrkg, Ovly Cold Plastic, Hwy	8 Ea	\$80.00	\$640.00	\$144.00	\$1,152.00	\$144.00	\$1,152.00	\$125.00	\$1,000.00	\$144.00	\$1,152.00
53	Pavt Mrkg, Longit, 6 inch or LessWidth, Rem	4,500 Ft	\$0.25	\$1,125.00	\$0.60	\$2,700.00	\$0.60	\$2,700.00	\$0.50	\$2,250.00	\$0.60	\$2,700.00
54	Traffic Maintenance and Control	1 LS	\$65,000.00	\$65,000.00	\$43,000.00	\$43,000.00	\$43,000.00	\$43,000.00	\$22,000.00	\$22,000.00	\$43,000.00	\$43,000.00
55	Mulch Anchoring	9,840 Syd	\$0.50	\$4,920.00	\$1.00	\$9,840.00	\$1.00	\$9,840.00	\$0.82	\$8,068.80	\$1.00	\$9,840.00
56	Mulch Blanket	12,840 Syd	\$1.25	\$16,050.00	\$1.75	\$22,470.00	\$1.75	\$22,470.00	\$1.12	\$14,380.80	\$1.75	\$22,470.00
57	Seeding, Mixture TUF	790 Lb	\$4.50	\$3,555.00	\$8.00	\$6,320.00	\$8.00	\$6,320.00	\$1.44	\$1,137.60	\$8.00	\$6,320.00
58	Topsoil Surface, Furn, 3 inch	12,840 Syd	\$3.50	\$44,940.00	\$1.90	\$24,396.00	\$1.90	\$24,396.00	\$1.27	\$16,306.80	\$1.90	\$24,396.00
59	Water, Sodding/Seeding	93 Unit	\$130.00	\$12,090.00	\$70.00	\$6,510.00	\$70.00	\$6,510.00	\$80.00	\$7,440.00	\$70.00	\$6,510.00
60	Permit and Inspection Fees	1 Dir	\$8,912.80	\$8,912.80	\$8,912.80	\$8,912.80	\$8,912.80	\$8,912.80	\$8,912.80	\$8,912.80	\$8,912.80	\$8,912.80

Sub-Total Part B: \$498,018.80 **\$537,556.50** \$520,156.50 \$549,439.00 \$537,556.50

Total Parts A & B: \$830,890.30 **\$897,124.51** \$924,060.30 \$927,287.08 \$967,164.06

OTHER BIDDERS

TOTAL

L. J. Construction, Inc.
Clifford, MI

\$1,045,050.85