

CLA - VILLA ROAD, PID# 89421

BIDS RECEIVED ON: November 4, 2016

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ENGINEER'S ESTIMATE	R.B. Jergens Contractors, Inc. 11418 N. Dixie Dr. Vandalia, OH 45377 Phone (937) 669-9799 Fax (937) 669-5025 bill.lonsbury@rbjergens.com	Eagle Bridge Co. P.O. Box 59 Sidney, OH 45365 Phone (937) 492-5654 Fax (937) 492-3759 eaglebridge@eaglebridge.net	J & J Schlaegel, Inc. 1250 E. US Hwy 36 Urbana, OH 43078 Phone (937) 652-2045 Fax (937) 652-2046 jjschlaegel@ctcn.net
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ITEM NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
ROADWAY											
201	Clearing and Grubbing	1	LS	\$25,000.00	\$25,000.00	\$61,500.00	\$61,500.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00
201	Tree Removed, 18-Inch Size	6	EA	\$3,500.00	\$21,000.00	\$1,620.00	\$9,720.00	\$1,500.00	\$9,000.00	\$1,500.00	\$9,000.00
202	Pipe Removed	333	LF	\$20.00	\$6,660.00	\$13.30	\$4,428.90	\$10.00	\$3,330.00	\$25.00	\$8,325.00
202	Removal of Post and Disposal	2	EA	\$50.00	\$100.00	\$199.40	\$398.80	\$75.00	\$150.00	\$150.00	\$300.00
SPEC	Special: Mail Box Removed and Reset	18	EA	\$150.00	\$2,700.00	\$178.50	\$3,213.00	\$250.00	\$4,500.00	\$150.00	\$2,700.00
202	Pavement Removed	2,394	SY	\$25.00	\$59,850.00	\$3.55	\$8,498.70	\$11.00	\$26,334.00	\$11.35	\$27,171.90
202	Walk Removed	442	SF	\$4.00	\$1,768.00	\$2.70	\$1,193.40	\$2.00	\$884.00	\$1.00	\$442.00
202	Drive Removed	18,508	SF	\$5.00	\$92,540.00	\$1.40	\$25,911.20	\$2.00	\$37,016.00	\$1.00	\$18,508.00
202	Curb and Gutter Removed	1,918	LF	\$7.00	\$13,426.00	\$2.65	\$5,082.70	\$5.00	\$9,590.00	\$3.00	\$5,754.00
202	Catch Basin Removed	4	EA	\$550.00	\$2,200.00	\$172.15	\$688.60	\$250.00	\$1,000.00	\$350.00	\$1,400.00
*203	Excavation	5,782	CY	\$30.00	\$173,460.00	\$15.75	\$91,066.50	\$17.00	\$98,294.00	\$20.00	\$115,640.00
*203	Embankment	542	CY	\$20.00	\$10,840.00	\$10.10	\$5,474.20	\$35.00	\$18,970.00	\$20.00	\$10,840.00
*204	Subgrade Compaction	8,307	SY	\$5.00	\$41,535.00	\$1.20	\$9,968.40	\$2.50	\$20,767.50	\$1.00	\$8,307.00
*204	Excavation of Subgrade	77	CY	\$40.00	\$3,080.00	\$19.65	\$1,513.05	\$20.00	\$1,540.00	\$15.00	\$1,155.00
*204	Granular Material, Type B	77	CY	\$50.00	\$3,850.00	\$40.15	\$3,091.55	\$35.00	\$2,695.00	\$32.00	\$2,464.00
*204	Geotextile Fabric, Type D	231	SY	\$5.00	\$1,155.00	\$1.75	\$404.25	\$2.00	\$462.00	\$3.00	\$693.00
517	Railing Misc: Steel Pipe Railing	202	LF	\$30.00	\$6,060.00	\$295.00	\$59,590.00	\$275.00	\$55,550.00	\$270.00	\$54,540.00
608	4" Concrete Walk	585	SF	\$6.00	\$3,510.00	\$5.00	\$2,925.00	\$6.50	\$3,802.50	\$6.25	\$3,656.25
608	6" Concrete Walk	710	SF	\$7.00	\$4,970.00	\$5.40	\$3,834.00	\$7.25	\$5,147.50	\$6.75	\$4,792.50
608	6" Concrete Drive	2,002	SF	\$7.00	\$14,014.00	\$5.75	\$11,511.50	\$7.25	\$14,514.50	\$6.75	\$13,513.50
608	8" Concrete Drive	114	SF	\$8.00	\$912.00	\$6.60	\$752.40	\$7.50	\$855.00	\$7.60	\$866.40
608	Curb Ramp, Type A1, As Per Plan	3	EA	\$325.00	\$975.00	\$681.15	\$2,043.45	\$300.00	\$900.00	\$550.00	\$1,650.00
608	Curb Ramp, Type A2, As Per Plan	2	EA	\$325.00	\$650.00	\$770.15	\$1,540.30	\$300.00	\$600.00	\$550.00	\$1,100.00
608	Curb Ramp, Type B1, As Per Plan	2	EA	\$325.00	\$650.00	\$733.40	\$1,466.80	\$300.00	\$600.00	\$550.00	\$1,100.00
SPEC	Special - Retaining Wall, Misc: Concrete Unit Block	1,600	SF	\$50.00	\$80,000.00	\$20.90	\$33,440.00	\$41.75	\$66,800.00	\$35.00	\$56,000.00
EROSION CONTROL											
*601	Rock Channel Protection, Type C with Aggregate Filter	10	CY	\$70.00	\$700.00	\$88.00	\$880.00	\$125.00	\$1,250.00	\$105.00	\$1,050.00

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ITEM NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
EROSION CONTROL cont.											
*653	Topsoil Furnished and Placed	576	CY	\$45.00	\$25,920.00	\$41.00	\$23,616.00	\$40.00	\$23,040.00	\$40.00	\$23,040.00
659	Seeding and Mulching	5,056	SY	\$2.00	\$10,112.00	\$0.85	\$4,297.60	\$2.00	\$10,112.00	\$2.50	\$12,640.00
659	Commercial Fertilizer	0.228	TON	\$1,000.00	\$228.00	\$431.60	\$98.40	\$750.00	\$171.00	\$500.00	\$114.00
*671	Erosion Control Mat, Type C	130	SY	\$3.00	\$390.00	\$6.45	\$838.50	\$6.00	\$780.00	\$5.00	\$650.00
*832	Storm Water Pollution Prevention Plan	1	LS	\$10,000.00	\$10,000.00	\$10,175.00	\$10,175.00	\$3,000.00	\$3,000.00	\$4,600.00	\$4,600.00
*832	Erosion Control	15,500	EA	\$1.00	\$15,500.00	\$1.00	\$15,500.00	\$1.00	\$15,500.00	\$1.00	\$15,500.00
PAVEMENT											
304	6" Aggregate Base (Drive)	194	CY	\$35.00	\$6,790.00	\$41.65	\$8,080.10	\$90.00	\$17,460.00	\$48.00	\$9,312.00
*441	Asphalt Concrete Intermediate Course (448), Type 2 (Driveways)	51	TON	\$70.00	\$3,570.00	\$134.85	\$6,877.35	\$120.00	\$6,120.00	\$125.00	\$6,375.00
*441	PG64-22 (Driveways)	103	TON	\$70.00	\$7,210.00	\$183.45	\$18,895.35	\$127.00	\$13,081.00	\$170.00	\$17,510.00
609	Curb, Type A, Straight	2,521	LF	\$22.00	\$55,462.00	\$14.90	\$37,562.90	\$13.00	\$32,773.00	\$14.15	\$35,672.15
609	Curb, Type A, Radius	421	LF	\$22.00	\$9,262.00	\$17.30	\$7,283.30	\$13.00	\$5,473.00	\$14.15	\$5,957.15
609	Curb, Type A, Straight, As Per Plan	1,439	LF	\$22.00	\$31,658.00	\$16.40	\$23,599.60	\$13.00	\$18,707.00	\$14.15	\$20,361.85
609	Curb, Type A, Radius, As Per Plan	190	LF	\$22.00	\$4,180.00	\$16.20	\$3,078.00	\$13.00	\$2,470.00	\$14.15	\$2,688.50
609	Combination Curb and Gutter, Type C, Straight, As Per Plan	231	LF	\$22.00	\$5,082.00	\$17.95	\$4,146.45	\$28.00	\$6,468.00	\$29.60	\$6,837.60
254	Pavement Planing, Asphalt Concrete	18,185	SY	\$2.00	\$36,370.00	\$1.95	\$35,460.75	\$1.71	\$31,096.35	\$1.60	\$29,096.00
261	Pavement Restoration, Type B	99	SY	\$60.00	\$5,940.00	\$45.30	\$4,484.70	\$85.00	\$8,415.00	\$42.00	\$4,158.00
261	Pavement Restoration, Type E, As Per Plan	231	LF	\$20.00	\$4,620.00	\$23.75	\$5,486.25	\$22.00	\$5,082.00	\$22.00	\$5,082.00
261	Pavement Restoration, Type E, As Per Plan	260	SY	\$60.00	\$15,600.00	\$49.65	\$12,909.00	\$77.00	\$20,020.00	\$46.00	\$11,960.00
*301	Asphalt Concrete Base, PG64-22	1,108	CY	\$110.00	\$121,880.00	\$124.10	\$137,502.80	\$115.00	\$127,420.00	\$115.00	\$127,420.00
*304	Aggregate Base	1,348	CY	\$44.00	\$59,312.00	\$38.10	\$51,358.80	\$50.00	\$67,400.00	\$48.00	\$64,704.00
*304	Aggregate Base (Berm)	361	CY	\$40.00	\$14,440.00	\$41.65	\$15,035.65	\$50.00	\$18,050.00	\$75.00	\$27,075.00
407	Tack Coat, 0.10 GAL per SY	2,631	GAL	\$3.00	\$7,893.00	\$1.95	\$5,130.45	\$4.00	\$10,524.00	\$1.80	\$4,735.80
SPEC	Special: Tack Coat, Trackless Tack Coat for Intermediate Course, 0.04 GAL per SY	929	GAL	\$5.00	\$4,645.00	\$5.15	\$4,784.35	\$4.00	\$3,716.00	\$4.75	\$4,412.75
422	Seal Coat Using No. 8 Cover Aggregate	1,697	SY	\$10.00	\$16,970.00	\$2.45	\$4,157.65	\$5.50	\$9,333.50	\$5.50	\$9,333.50

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ITEM NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT COST	TOTAL						
PAVEMENT cont.											
*441	Asphalt Concrete Intermdiate Course (448), Type 1	1,288	TON	\$75.00	\$96,600.00	\$77.70	\$100,077.60	\$62.50	\$80,500.00	\$72.00	\$92,736.00
*441	2	436	TON	\$75.00	\$32,700.00	\$73.35	\$31,980.60	\$65.27	\$28,457.72	\$68.00	\$29,648.00
*441	Asphalt Concrete Surface Course (448), Type 1, PG64-22	2,187	TON	\$75.00	\$164,025.00	\$77.70	\$169,929.90	\$62.00	\$135,594.00	\$72.00	\$157,464.00
DRAINAGE											
803	10" Conduit, Type B	302	LF	\$45.00	\$13,590.00	\$44.20	\$13,348.40	\$20.00	\$6,040.00	\$55.00	\$16,610.00
803	12" Conduit, Type B	1,141	LF	\$50.00	\$57,050.00	\$65.70	\$74,963.70	\$60.00	\$68,460.00	\$65.00	\$74,165.00
803	27" Conduit, Type B	12	LF	\$100.00	\$1,200.00	\$132.80	\$1,593.60	\$250.00	\$3,000.00	\$175.00	\$2,100.00
SPEC	Fill and Plug Existing Conduit	171	LF	\$25.00	\$4,275.00	\$26.80	\$4,582.80	\$20.00	\$3,420.00	\$25.00	\$4,275.00
804	Manhole, No. 1, Type B	5	EA	\$5,000.00	\$25,000.00	\$2,504.10	\$12,520.50	\$3,500.00	\$17,500.00	\$2,350.00	\$11,750.00
804	Catch Basin, No. 1	5	EA	\$1,500.00	\$7,500.00	\$2,087.95	\$10,439.75	\$2,750.00	\$13,750.00	\$1,850.00	\$9,250.00
804	Catch Basin, No. 2-3	4	EA	\$1,500.00	\$6,000.00	\$1,470.95	\$5,883.80	\$1,600.00	\$6,400.00	\$3,200.00	\$12,800.00
804	Catch Basin, As Per Plan with Neenah R-3406 Casting	1	EA	\$1,500.00	\$1,500.00	\$2,789.30	\$2,789.30	\$2,250.00	\$2,250.00	\$3,500.00	\$3,500.00
804	Manhole Adjusted to Grade	3	EA	\$750.00	\$2,250.00	\$319.15	\$957.45	\$650.00	\$1,950.00	\$1,750.00	\$5,250.00
804	Catch Basin Adjusted to Grade	1	EA	\$650.00	\$650.00	\$270.60	\$270.60	\$650.00	\$650.00	\$850.00	\$850.00
804	Manhole Casting Furnished	5	EA	\$325.00	\$1,625.00	\$470.90	\$2,354.50	\$650.00	\$3,250.00	\$325.00	\$1,625.00
804	Manhole Reconstructed to Grade	2	EA	\$2,500.00	\$5,000.00	\$1,571.65	\$3,143.30	\$650.00	\$1,300.00	\$950.00	\$1,900.00
WATER WORK											
838	8" Water Main	263	LF	\$60.00	\$15,780.00	\$65.00	\$17,095.00	\$70.00	\$18,410.00	\$65.00	\$17,095.00
839	Valve Box Adjusted to Grade	23	EA	\$30.00	\$690.00	\$222.05	\$5,107.15	\$125.00	\$2,875.00	\$300.00	\$6,900.00
839	New Valve Box Furnished	12	EA	\$50.00	\$600.00	\$235.65	\$2,827.80	\$400.00	\$4,800.00	\$175.00	\$2,100.00
839	8" x 8" Tapping Sleeve, Valve & Valve Box	1	EA	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,500.00	\$5,500.00	\$4,200.00	\$4,200.00
TRAFFIC CONTROL											
630	Ground Mounted Support, No. 2 Post	42	FT	\$10.00	\$420.00	\$14.05	\$590.10	\$13.00	\$546.00	\$9.00	\$378.00
630	Ground Mounted Support, No. 3 Post	336	FT	\$10.00	\$3,360.00	\$15.40	\$5,174.40	\$14.25	\$4,788.00	\$10.00	\$3,360.00
*630	Sign Support Assembly, Pole Mounted	2	EA	\$100.00	\$200.00	\$70.15	\$140.30	\$65.00	\$130.00	\$100.00	\$200.00
*630	Sign, Flat Sheet	5	SF	\$15.00	\$75.00	\$21.80	\$109.00	\$20.20	\$101.00	\$17.00	\$85.00
630	Sign, Flat Sheet, Type-J	171	SF	\$16.00	\$2,736.00	\$26.15	\$4,471.65	\$24.25	\$4,146.75	\$17.00	\$2,907.00

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ITEM NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
TRAFFIC CONTROL cont.											
*630	Removal of Ground Mounted Sign for Storage	22	EA	\$50.00	\$1,100.00	\$16.20	\$356.40	\$15.00	\$330.00	\$15.00	\$330.00
*630	Removal of Grount Mounted Post Support for Disposal	22	EA	\$25.00	\$550.00	\$26.95	\$592.90	\$25.00	\$550.00	\$20.00	\$440.00
630	Removal of Ground Mounted Sign and Storage, As Per Plan	3	EA	\$10.00	\$30.00	\$16.20	\$48.60	\$15.00	\$45.00	\$20.00	\$60.00
630	Removal of Ground Mounted Support and Storage, As Per Plan	3	EA	\$25.00	\$75.00	\$26.95	\$80.85	\$25.00	\$75.00	\$25.00	\$75.00
*644	Edge Line, 4", White	1.75	MILE	\$3,000.00	\$5,250.00	\$2,292.85	\$4,012.49	\$2,125.00	\$3,718.75	\$2,125.00	\$3,718.75
*644	Lane Line, 4"	0.03	MILE	\$2,200.00	\$66.00	\$1,079.00	\$32.37	\$1,000.00	\$30.00	\$1,000.00	\$30.00
*644	Center Line	2.06	MILE	\$5,000.00	\$10,300.00	\$4,181.10	\$8,613.07	\$3,875.00	\$7,982.50	\$3,875.00	\$7,982.50
*644	Channelizing Line, 8"	623	FT	\$2.50	\$1,557.50	\$1.25	\$778.75	\$1.15	\$716.45	\$1.15	\$716.45
*644	Stop Line	146	FT	\$6.00	\$876.00	\$5.00	\$730.00	\$4.65	\$678.90	\$4.65	\$678.90
*644	Crosswalk Line	329	FT	\$4.00	\$1,316.00	\$2.85	\$937.65	\$2.65	\$871.85	\$2.65	\$871.85
*644	Transverse & Diagonal Line (White)	83	FT	\$8.00	\$664.00	\$4.85	\$402.55	\$4.50	\$373.50	\$4.50	\$373.50
*644	Transverse & Diagonal Line (Yellow)	69	FT	\$8.00	\$552.00	\$4.85	\$334.65	\$4.50	\$310.50	\$4.50	\$310.50
*644	Lane Arrow	20	EA	\$125.00	\$2,500.00	\$80.90	\$1,618.00	\$75.00	\$1,500.00	\$75.00	\$1,500.00
*644	Dotted Line, 4"	67	FT	\$5.00	\$335.00	\$1.20	\$80.40	\$1.10	\$73.70	\$1.10	\$73.70
*644	Island Marking	1	EA	\$1,000.00	\$1,000.00	\$269.75	\$269.75	\$250.00	\$250.00	\$250.00	\$250.00
TRAFFIC SIGNALS											
625	Ground Rod	3	EA	\$350.00	\$1,050.00	\$183.75	\$551.25	\$165.20	\$495.60	\$190.00	\$570.00
625	Pull Box, 13" x 24", 725.06	1	EA	\$1,000.00	\$1,000.00	\$562.80	\$562.80	\$506.00	\$506.00	\$725.00	\$725.00
625	Pull Box, 24" x 36", 725.06	2	EA	\$1,500.00	\$3,000.00	\$1,120.00	\$2,240.00	\$1,007.00	\$2,014.00	\$1,045.00	\$2,090.00
625	Conduit, 3", 725.04	150	FT	\$25.00	\$3,750.00	\$21.15	\$3,172.50	\$19.02	\$2,853.00	\$14.80	\$2,220.00
625	Trench	10	FT	\$50.00	\$500.00	\$8.85	\$88.50	\$7.94	\$79.40	\$9.80	\$98.00
625	Trench in Paved Area, Type B	130	FT	\$50.00	\$6,500.00	\$51.60	\$6,708.00	\$46.40	\$6,032.00	\$32.00	\$4,160.00
630	Sign Hanger Assembly, Mast Arm, As Per Plan	12	EA	\$275.00	\$3,300.00	\$303.65	\$3,643.80	\$273.00	\$3,276.00	\$315.00	\$3,780.00
632	Vehicle Signal Head, (LED), 3-Section, 12" Lens, 1-Way, Polycarbonate with Backplate, As Per Plan	8	EA	\$1,500.00	\$12,000.00	\$828.60	\$6,628.80	\$745.00	\$5,960.00	\$785.00	\$6,280.00

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TRAFFIC SIGNALS cont.											
632	Pedestrian Signal Head, (LED), Type D2, As Per Plan	4	EA	\$875.00	\$3,500.00	\$639.55	\$2,558.20	\$575.00	\$2,300.00	\$525.00	\$2,100.00
632	Pedestrian Pushbutton	2	EA	\$275.00	\$550.00	\$214.65	\$429.30	\$193.00	\$386.00	\$225.00	\$450.00
632	Detector Loop, Quadropole	1	EA	\$1,900.00	\$1,900.00	\$1,401.40	\$1,401.40	\$1,260.00	\$1,260.00	\$1,400.00	\$1,400.00
632	Detector Loop, Rectangular	1	EA	\$1,900.00	\$1,900.00	\$1,401.40	\$1,401.40	\$1,260.00	\$1,260.00	\$1,260.00	\$1,260.00
632	Signal Support Foundation	2	EA	\$4,750.00	\$9,500.00	\$3,650.35	\$7,300.70	\$3,282.00	\$6,564.00	\$3,875.00	\$7,750.00
632	Pedestal Foundation	1	EA	\$2,250.00	\$2,250.00	\$1,058.85	\$1,058.85	\$952.00	\$952.00	\$1,000.00	\$1,000.00
632	Signal Support, Type TC-81.21 Design 12 Pole, with Mast Arms TC-81.21 Design 3 and Design 4	1	EA	\$12,000.00	\$12,000.00	\$11,185.00	\$11,185.00	\$10,056.00	\$10,056.00	\$9,400.00	\$9,400.00
632	Signal Support, Type TC-81.21 Design 12 Pole, with Mast Arms TC-81.21 Design 3 and Design 11	1	EA	\$15,000.00	\$15,000.00	\$11,290.00	\$11,290.00	\$10,151.00	\$10,151.00	\$9,745.00	\$9,745.00
632	Pedestal, 8', Transformer Base, As Per Plan	1	EA	\$1,750.00	\$1,750.00	\$706.25	\$706.25	\$635.00	\$635.00	\$1,120.00	\$1,120.00
632	Covering of Vehicular Signal Head	8	EA	\$60.00	\$480.00	\$14.30	\$114.40	\$12.85	\$102.80	\$30.00	\$240.00
632	Covering of Pedestrian Signal Head	4	EA	\$60.00	\$240.00	\$14.30	\$57.20	\$12.85	\$51.40	\$30.00	\$120.00
632	Signal Cable, 7 Conductor, No. 14 AWG	1,010	LF	\$6.00	\$6,060.00	\$2.40	\$2,424.00	\$2.15	\$2,171.50	\$1.95	\$1,969.50
632	Loop Detector Lead-In Cable, 2 Conductor, No. 14 AWG	100	LF	\$5.00	\$500.00	\$2.40	\$240.00	\$2.16	\$216.00	\$2.30	\$230.00
632	Service Cable, 3 Conductor, No. 4 AWG	30	LF	\$25.00	\$750.00	\$4.60	\$138.00	\$4.13	\$123.90	\$3.00	\$90.00
62	Power Service, As Per Plan	1	EA	\$7,500.00	\$7,500.00	\$1,775.00	\$1,775.00	\$1,593.00	\$1,593.00	\$2,100.00	\$2,100.00
633	Controller Unit, Type TS2/A2, with Pole Mounted Cabinet, Type TS2, As Per Plan	1	EA	\$25,000.00	\$25,000.00	\$17,867.00	\$17,867.00	\$16,055.00	\$16,055.00	\$15,875.00	\$15,875.00
633	Signalization Misc: Preemption, As Per Plan	1	LS	\$10,000.00	\$10,000.00	\$9,183.75	\$9,183.75	\$8,257.00	\$8,257.00	\$11,800.00	\$11,800.00
MAINTENANCE OF TRAFFIC											
*410	Traffic Compacted Surface, Type B	35	CY	\$50.00	\$1,750.00	\$43.60	\$1,526.00	\$75.00	\$2,625.00	\$58.00	\$2,030.00
416	Temporary Pavement	20	SY	\$35.00	\$700.00	\$102.50	\$2,050.00	\$75.00	\$1,500.00	\$58.00	\$1,160.00
614	Maintaining Traffic	1	LS	\$50,000.00	\$50,000.00	\$36,000.00	\$36,000.00	\$30,000.00	\$30,000.00	\$41,161.51	\$41,161.51
*614	Detour Signing	1	LS	\$25,000.00	\$25,000.00	\$2,175.00	\$2,175.00	\$4,000.00	\$4,000.00	\$3,000.00	\$3,000.00

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ENGINEER'S ESTIMATE	R.B. Jergens Contractors, Inc. 11418 N. Dixie Dr. Vandalia, OH 45377 Phone (937) 669-9799 Fax (937) 669-5025 bill.lonsbury@rbjergens.com	Eagle Bridge Co. P.O. Box 59 Sidney, OH 45365 Phone (937) 492-5654 Fax (937) 492-3759 eaglebridge@eaglebridge.net	J & J Schlaegel, Inc. 1250 E. US Hwy 36 Urbana, OH 43078 Phone (937) 652-2045 Fax (937) 652-2046 jschlaegel@ctcn.net
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ITEM NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT COST	TOTAL						
MAINTENANCE OF TRAFFIC - cont.											
*614	Work Zone Center Line, Class II	1.17	Mile	\$4,500.00	\$5,265.00	\$1,035.85	\$1,211.94	\$960.00	\$1,123.20	\$960.00	\$1,123.20
*616	Water	15	Mgal	\$25.00	\$375.00	\$53.95	\$809.25	\$10.00	\$150.00	\$25.00	\$375.00
MISCELLANEOUS											
623	Construction Layout Stakes	1	LS	\$20,000.00	\$20,000.00	\$10,800.00	\$10,800.00	\$20,000.00	\$20,000.00	\$16,000.00	\$16,000.00
*623	Monument Assembly	1	EA	\$2,500.00	\$2,500.00	\$1,295.00	\$1,295.00	\$1,000.00	\$1,000.00	\$1,250.00	\$1,250.00
1001	Premium for Owner's Protective Insurance	1	LS	\$7,000.00	\$7,000.00	\$960.00	\$960.00	\$7,500.00	\$7,500.00	\$3,000.00	\$3,000.00
1002	Premium for Contract Performance and Payment Bond	1	LS	\$14,000.00	\$14,000.00	\$9,800.00	\$9,800.00	\$20,000.00	\$20,000.00	\$15,550.00	\$15,550.00
GRAND TOTAL					\$1,775,206.50		\$1,444,088.57		\$1,458,337.27		\$1,464,985.21

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ENGINEER'S ESTIMATE	Barrett Paving Materials Inc. 3751 Commerce Drive Franklin, Ohio 45005 Phone (937) 424-4662 Fax (937) 424-3336 bfultz@barrettpaving.com	Brumbaugh Construction, Inc. 3520 St. Rt. 49, PO Box 309 Arcanum, OH 45304 Phone (937) 692-5107 Fax (937) 692-5678 dan@brumbaughconstruction.com	A & B Asphalt Corporation 1780 Enon Road Springfield, OH 45502 Phone (937) 882-6954 Fax (937) 882-6957 brad.beam@irinet.com
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ITEM NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
ROADWAY											
201	Clearing and Grubbing	1	LS	\$25,000.00	\$25,000.00	\$9,000.00	\$9,000.00	\$8,000.00	\$8,000.00	\$18,555.57	\$18,555.57
201	Tree Removed, 18-Inch Size	6	EA	\$3,500.00	\$21,000.00	\$800.00	\$4,800.00	\$1,700.00	\$10,200.00	\$1,200.00	\$7,200.00
202	Pipe Removed	333	LF	\$20.00	\$6,660.00	\$15.00	\$4,995.00	\$17.00	\$5,661.00	\$24.07	\$8,015.31
202	Removal of Post and Disposal	2	EA	\$50.00	\$100.00	\$10.00	\$20.00	\$45.00	\$90.00	\$181.88	\$363.76
SPEC	Special: Mail Box Removed and Reset	18	EA	\$150.00	\$2,700.00	\$230.00	\$4,140.00	\$175.00	\$3,150.00	\$200.00	\$3,600.00
202	Pavement Removed	2,394	SY	\$25.00	\$59,850.00	\$12.00	\$28,728.00	\$9.50	\$22,743.00	\$13.52	\$32,366.88
202	Walk Removed	442	SF	\$4.00	\$1,768.00	\$4.50	\$1,989.00	\$1.10	\$486.20	\$2.75	\$1,215.50
202	Drive Removed	18,508	SF	\$5.00	\$92,540.00	\$1.50	\$27,762.00	\$0.70	\$12,955.60	\$3.06	\$56,634.48
202	Curb and Gutter Removed	1,918	LF	\$7.00	\$13,426.00	\$4.50	\$8,631.00	\$3.30	\$6,329.40	\$10.00	\$19,180.00
202	Catch Basin Removed	4	EA	\$550.00	\$2,200.00	\$350.00	\$1,400.00	\$450.00	\$1,800.00	\$363.76	\$1,455.04
*203	Excavation	5,782	CY	\$30.00	\$173,460.00	\$21.00	\$121,422.00	\$14.00	\$80,948.00	\$15.00	\$86,730.00
*203	Embankment	542	CY	\$20.00	\$10,840.00	\$21.00	\$11,382.00	\$10.00	\$5,420.00	\$20.00	\$10,840.00
*204	Subgrade Compaction	8,307	SY	\$5.00	\$41,535.00	\$1.80	\$14,952.60	\$1.25	\$10,383.75	\$2.00	\$16,614.00
*204	Excavation of Subgrade	77	CY	\$40.00	\$3,080.00	\$22.00	\$1,694.00	\$12.50	\$962.50	\$50.00	\$3,850.00
*204	Granular Material, Type B	77	CY	\$50.00	\$3,850.00	\$45.00	\$3,465.00	\$42.00	\$3,234.00	\$45.00	\$3,465.00
*204	Geotextile Fabric, Type D	231	SY	\$5.00	\$1,155.00	\$3.60	\$831.60	\$2.00	\$462.00	\$6.00	\$1,386.00
517	Railing Misc: Steel Pipe Railing	202	LF	\$30.00	\$6,060.00	\$275.00	\$55,550.00	\$287.00	\$57,974.00	\$272.60	\$55,065.20
608	4" Concrete Walk	585	SF	\$6.00	\$3,510.00	\$5.80	\$3,393.00	\$7.25	\$4,241.25	\$4.75	\$2,778.75
608	6" Concrete Walk	710	SF	\$7.00	\$4,970.00	\$6.50	\$4,615.00	\$8.10	\$5,751.00	\$5.25	\$3,727.50
608	6" Concrete Drive	2,002	SF	\$7.00	\$14,014.00	\$6.50	\$13,013.00	\$9.75	\$19,519.50	\$5.25	\$10,510.50
608	8" Concrete Drive	114	SF	\$8.00	\$912.00	\$8.80	\$1,003.20	\$10.45	\$1,191.30	\$6.10	\$695.40
608	Curb Ramp, Type A1, As Per Plan	3	EA	\$325.00	\$975.00	\$400.00	\$1,200.00	\$815.00	\$2,445.00	\$400.00	\$1,200.00
608	Curb Ramp, Type A2, As Per Plan	2	EA	\$325.00	\$650.00	\$400.00	\$800.00	\$815.00	\$1,630.00	\$400.00	\$800.00
608	Curb Ramp, Type B1, As Per Plan	2	EA	\$325.00	\$650.00	\$400.00	\$800.00	\$815.00	\$1,630.00	\$400.00	\$800.00
SPEC	Special - Retaining Wall, Misc: Concrete Unit Block	1,600	SF	\$50.00	\$80,000.00	\$35.00	\$56,000.00	\$48.00	\$76,800.00	\$45.00	\$72,000.00
EROSION CONTROL											
*601	Rock Channel Protection, Type C with Aggregate Filter	10	CY	\$70.00	\$700.00	\$120.00	\$1,200.00	\$100.00	\$1,000.00	\$421.90	\$4,219.00

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ENGINEER'S ESTIMATE	Barrett Paving Materials Inc. 3751 Commerce Drive Franklin, Ohio 45005 Phone (937) 424-4662 Fax (937) 424-3336 bfultz@barrettpaving.com	Brumbaugh Construction, Inc. 3520 St. Rt. 49, PO Box 309 Arcanum, OH 45304 Phone (937) 692-5107 Fax (937) 692-5678 dan@brumbaughconstruction.com	A & B Asphalt Corporation 1780 Enon Road Springfield, OH 45502 Phone (937) 882-6954 Fax (937) 882-6957 brad.beam@irinet.com
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ITEM NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT COST	TOTAL						
EROSION CONTROL cont.											
*653	Topsoil Furnished and Placed	576	CY	\$45.00	\$25,920.00	\$50.00	\$28,800.00	\$46.00	\$26,496.00	\$45.00	\$25,920.00
659	Seeding and Mulching	5,056	SY	\$2.00	\$10,112.00	\$1.05	\$5,308.80	\$1.50	\$7,584.00	\$1.45	\$7,331.20
659	Commercial Fertilizer	0.228	TON	\$1,000.00	\$228.00	\$606.00	\$138.17	\$725.00	\$165.30	\$723.68	\$165.00
*671	Erosion Control Mat, Type C	130	SY	\$3.00	\$390.00	\$2.15	\$279.50	\$3.65	\$474.50	\$10.00	\$1,300.00
*832	Storm Water Pollution Prevention Plan	1	LS	\$10,000.00	\$10,000.00	\$8,294.18	\$8,294.18	\$2,000.00	\$2,000.00	\$6,500.00	\$6,500.00
*832	Erosion Control	15,500	EA	\$1.00	\$15,500.00	\$1.00	\$15,500.00	\$1.00	\$15,500.00	\$1.00	\$15,500.00
PAVEMENT											
304	6" Aggregate Base (Drive)	194	CY	\$35.00	\$6,790.00	\$90.00	\$17,460.00	\$65.00	\$12,610.00	\$81.77	\$15,863.38
*441	Asphalt Concrete Intermediate Course (448), Type 2 (Driveways)	51	TON	\$70.00	\$3,570.00	\$170.00	\$8,670.00	\$139.00	\$7,089.00	\$136.81	\$6,977.31
*441	PG64-22 (Driveways)	103	TON	\$70.00	\$7,210.00	\$280.00	\$28,840.00	\$190.00	\$19,570.00	\$141.12	\$14,535.36
609	Curb, Type A, Straight	2,521	LF	\$22.00	\$55,462.00	\$12.00	\$30,252.00	\$13.50	\$34,033.50	\$10.65	\$26,848.65
609	Curb, Type A, Radius	421	LF	\$22.00	\$9,262.00	\$12.00	\$5,052.00	\$13.50	\$5,683.50	\$10.65	\$4,483.65
609	Curb, Type A, Straight, As Per Plan	1,439	LF	\$22.00	\$31,658.00	\$12.00	\$17,268.00	\$13.50	\$19,426.50	\$10.65	\$15,325.35
609	Curb, Type A, Radius, As Per Plan	190	LF	\$22.00	\$4,180.00	\$12.00	\$2,280.00	\$13.50	\$2,565.00	\$10.65	\$2,023.50
609	Combination Curb and Gutter, Type C, Straight, As Per Plan	231	LF	\$22.00	\$5,082.00	\$26.00	\$6,006.00	\$30.00	\$6,930.00	\$25.60	\$5,913.60
254	Pavement Planing, Asphalt Concrete	18,185	SY	\$2.00	\$36,370.00	\$2.25	\$40,916.25	\$1.80	\$32,733.00	\$1.71	\$31,096.35
261	Pavement Restoration, Type B	99	SY	\$60.00	\$5,940.00	\$23.00	\$2,277.00	\$48.00	\$4,752.00	\$66.99	\$6,632.01
261	Pavement Restoration, Type E, As Per Plan	231	LF	\$20.00	\$4,620.00	\$13.00	\$3,003.00	\$31.00	\$7,161.00	\$23.61	\$5,453.91
261	Pavement Restoration, Type E, As Per Plan	260	SY	\$60.00	\$15,600.00	\$60.00	\$15,600.00	\$67.00	\$17,420.00	\$85.16	\$22,141.60
*301	Asphalt Concrete Base, PG64-22	1,108	CY	\$110.00	\$121,880.00	\$130.00	\$144,040.00	\$128.00	\$141,824.00	\$140.05	\$155,175.40
*304	Aggregate Base	1,348	CY	\$44.00	\$59,312.00	\$55.00	\$74,140.00	\$49.00	\$66,052.00	\$49.73	\$67,036.04
*304	Aggregate Base (Berm)	361	CY	\$40.00	\$14,440.00	\$75.00	\$27,075.00	\$56.00	\$20,216.00	\$38.53	\$13,909.33
407	Tack Coat, 0.10 GAL per SY	2,631	GAL	\$3.00	\$7,893.00	\$2.60	\$6,840.60	\$1.80	\$4,735.80	\$4.42	\$11,629.02
SPEC	Special: Tack Coat, Trackless Tack Coat for Intermediate Course, 0.04 GAL per SY	929	GAL	\$5.00	\$4,645.00	\$2.60	\$2,415.40	\$4.75	\$4,412.75	\$4.42	\$4,106.18
422	Seal Coat Using No. 8 Cover Aggregate	1,697	SY	\$10.00	\$16,970.00	\$9.00	\$15,273.00	\$7.90	\$13,406.30	\$3.00	\$5,091.00

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				ENGINEER'S ESTIMATE	Barrett Paving Materials Inc. 3751 Commerce Drive Franklin, Ohio 45005 Phone (937) 424-4662 Fax (937) 424-3336 bfultz@barrett paving.com		Brumbaugh Construction, Inc. 3520 St. Rt. 49, PO Box 309 Arcanum, OH 45304 Phone (937) 692-5107 Fax (937) 692-5678 dan@brumbaughconstruction.com		A & B Asphalt Corporation 1780 Enon Road Springfield, OH 45502 Phone (937) 882-6954 Fax (937) 882-6957 brad.beam@irinet.com		
ITEM NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
PAVEMENT cont.											
*441	Asphalt Concrete Intermdiate Course (448), Type 1	1,288	TON	\$75.00	\$96,600.00	\$70.00	\$90,160.00	\$80.00	\$103,040.00	\$69.38	\$89,361.44
*441	2	436	TON	\$75.00	\$32,700.00	\$70.00	\$30,520.00	\$76.00	\$33,136.00	\$81.67	\$35,608.12
*441	Asphalt Concrete Surface Course (448), Type 1, PG64-22	2,187	TON	\$75.00	\$164,025.00	\$70.00	\$153,090.00	\$80.00	\$174,960.00	\$79.91	\$174,763.17
DRAINAGE											
803	10" Conduit, Type B	302	LF	\$45.00	\$13,590.00	\$20.00	\$6,040.00	\$41.00	\$12,382.00	\$70.02	\$21,146.04
803	12" Conduit, Type B	1,141	LF	\$50.00	\$57,050.00	\$56.00	\$63,896.00	\$55.00	\$62,755.00	\$64.35	\$73,423.35
803	27" Conduit, Type B	12	LF	\$100.00	\$1,200.00	\$115.00	\$1,380.00	\$155.00	\$1,860.00	\$290.33	\$3,483.96
SPEC	Fill and Plug Existing Conduit	171	LF	\$25.00	\$4,275.00	\$7.00	\$1,197.00	\$8.00	\$1,368.00	\$36.55	\$6,250.05
804	Manhole, No. 1, Type B	5	EA	\$5,000.00	\$25,000.00	\$2,800.00	\$14,000.00	\$2,135.00	\$10,675.00	\$6,356.70	\$31,783.50
804	Catch Basin, No. 1	5	EA	\$1,500.00	\$7,500.00	\$2,800.00	\$14,000.00	\$1,780.00	\$8,900.00	\$4,379.04	\$21,895.20
804	Catch Basin, No. 2-3	4	EA	\$1,500.00	\$6,000.00	\$2,600.00	\$10,400.00	\$1,235.00	\$4,940.00	\$3,620.38	\$14,481.52
804	Catch Basin, As Per Plan with Neenah R-3406 Casting	1	EA	\$1,500.00	\$1,500.00	\$3,000.00	\$3,000.00	\$2,100.00	\$2,100.00	\$6,564.63	\$6,564.63
804	Manhole Adjusted to Grade	3	EA	\$750.00	\$2,250.00	\$430.00	\$1,290.00	\$290.00	\$870.00	\$616.97	\$1,850.91
804	Catch Basin Adjusted to Grade	1	EA	\$650.00	\$650.00	\$650.00	\$650.00	\$305.00	\$305.00	\$2,515.04	\$2,515.04
804	Manhole Casting Furnished	5	EA	\$325.00	\$1,625.00	\$450.00	\$2,250.00	\$425.00	\$2,125.00	\$302.00	\$1,510.00
804	Manhole Reconstructed to Grade	2	EA	\$2,500.00	\$5,000.00	\$1,000.00	\$2,000.00	\$1,045.00	\$2,090.00	\$2,448.89	\$4,897.78
WATER WORK											
838	8" Water Main	263	LF	\$60.00	\$15,780.00	\$85.00	\$22,355.00	\$75.00	\$19,725.00	\$60.00	\$15,780.00
839	Valve Box Adjusted to Grade	23	EA	\$30.00	\$690.00	\$100.00	\$2,300.00	\$120.00	\$2,760.00	\$474.46	\$10,912.58
839	New Valve Box Furnished	12	EA	\$50.00	\$600.00	\$240.00	\$2,880.00	\$350.00	\$4,200.00	\$125.00	\$1,500.00
839	8" x 8" Tapping Sleeve, Valve & Valve Box	1	EA	\$5,000.00	\$5,000.00	\$5,500.00	\$5,500.00	\$4,115.00	\$4,115.00	\$3,500.00	\$3,500.00
TRAFFIC CONTROL											
630	Ground Mounted Support, No. 2 Post	42	FT	\$10.00	\$420.00	\$13.00	\$546.00	\$13.70	\$575.40	\$13.00	\$546.00
630	Ground Mounted Support, No. 3 Post	336	FT	\$10.00	\$3,360.00	\$14.25	\$4,788.00	\$15.00	\$5,040.00	\$14.25	\$4,788.00
*630	Sign Support Assembly, Pole Mounted	2	EA	\$100.00	\$200.00	\$65.00	\$130.00	\$68.50	\$137.00	\$65.00	\$130.00
*630	Sign, Flat Sheet	5	SF	\$15.00	\$75.00	\$20.20	\$101.00	\$21.25	\$106.25	\$20.20	\$101.00
630	Sign, Flat Sheet, Type-J	171	SF	\$16.00	\$2,736.00	\$24.25	\$4,146.75	\$25.50	\$4,360.50	\$24.25	\$4,146.75

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ENGINEER'S ESTIMATE	Barrett Paving Materials Inc. 3751 Commerce Drive Franklin, Ohio 45005 Phone (937) 424-4662 Fax (937) 424-3336 bfultz@barrettpaving.com	Brumbaugh Construction, Inc. 3520 St. Rt. 49, PO Box 309 Arcanum, OH 45304 Phone (937) 692-5107 Fax (937) 692-5678 dan@brumbaughconstruction.com	A & B Asphalt Corporation 1780 Enon Road Springfield, OH 45502 Phone (937) 882-6954 Fax (937) 882-6957 brad.beam@irinet.com
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ITEM NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
TRAFFIC CONTROL cont.											
*630	Removal of Ground Mounted Sign for Storage	22	EA	\$50.00	\$1,100.00	\$15.00	\$330.00	\$15.80	\$347.60	\$15.00	\$330.00
*630	Removal of Grount Mounted Post Support for Disposal	22	EA	\$25.00	\$550.00	\$25.00	\$550.00	\$26.30	\$578.60	\$25.00	\$550.00
630	Removal of Ground Mounted Sign and Storage, As Per Plan	3	EA	\$10.00	\$30.00	\$15.00	\$45.00	\$15.80	\$47.40	\$25.00	\$75.00
630	Removal of Ground Mounted Support and Storage, As Per Plan	3	EA	\$25.00	\$75.00	\$25.00	\$75.00	\$26.30	\$78.90	\$25.00	\$75.00
*644	Edge Line, 4", White	1.75	MILE	\$3,000.00	\$5,250.00	\$2,125.00	\$3,718.75	\$2,300.00	\$4,025.00	\$2,125.00	\$3,718.75
*644	Lane Line, 4"	0.03	MILE	\$2,200.00	\$66.00	\$1,000.00	\$30.00	\$1,050.00	\$31.50	\$1,000.00	\$30.00
*644	Center Line	2.06	MILE	\$5,000.00	\$10,300.00	\$3,875.00	\$7,982.50	\$4,080.00	\$8,404.80	\$3,875.00	\$7,982.50
*644	Channelizing Line, 8"	623	FT	\$2.50	\$1,557.50	\$1.15	\$716.45	\$1.21	\$753.83	\$1.15	\$716.45
*644	Stop Line	146	FT	\$6.00	\$876.00	\$4.65	\$678.90	\$4.90	\$715.40	\$4.65	\$678.90
*644	Crosswalk Line	329	FT	\$4.00	\$1,316.00	\$2.65	\$871.85	\$2.80	\$921.20	\$2.65	\$871.85
*644	Transverse & Diagonal Line (White)	83	FT	\$8.00	\$664.00	\$4.50	\$373.50	\$4.75	\$394.25	\$4.50	\$373.50
*644	Transverse & Diagonal Line (Yellow)	69	FT	\$8.00	\$552.00	\$4.50	\$310.50	\$4.75	\$327.75	\$4.50	\$310.50
*644	Lane Arrow	20	EA	\$125.00	\$2,500.00	\$75.00	\$1,500.00	\$79.00	\$1,580.00	\$75.00	\$1,500.00
*644	Dotted Line, 4"	67	FT	\$5.00	\$335.00	\$1.10	\$73.70	\$1.16	\$77.72	\$1.10	\$73.70
*644	Island Marking	1	EA	\$1,000.00	\$1,000.00	\$250.00	\$250.00	\$265.00	\$265.00	\$250.00	\$250.00
TRAFFIC SIGNALS											
625	Ground Rod	3	EA	\$350.00	\$1,050.00	\$165.20	\$495.60	\$175.00	\$525.00	\$165.20	\$495.60
625	Pull Box, 13" x 24", 725.06	1	EA	\$1,000.00	\$1,000.00	\$506.00	\$506.00	\$535.00	\$535.00	\$506.00	\$506.00
625	Pull Box, 24" x 36", 725.06	2	EA	\$1,500.00	\$3,000.00	\$1,007.00	\$2,014.00	\$1,060.00	\$2,120.00	\$1,007.00	\$2,014.00
625	Conduit, 3", 725.04	150	FT	\$25.00	\$3,750.00	\$19.02	\$2,853.00	\$20.00	\$3,000.00	\$19.02	\$2,853.00
625	Trench	10	FT	\$50.00	\$500.00	\$7.94	\$79.40	\$8.35	\$83.50	\$7.94	\$79.40
625	Trench in Paved Area, Type B	130	FT	\$50.00	\$6,500.00	\$46.40	\$6,032.00	\$48.85	\$6,350.50	\$46.40	\$6,032.00
630	Sign Hanger Assembly, Mast Arm, As Per Plan	12	EA	\$275.00	\$3,300.00	\$273.00	\$3,276.00	\$287.00	\$3,444.00	\$273.00	\$3,276.00
632	Vehicle Signal Head, (LED), 3-Section, 12" Lens, 1-Way, Polycarbonate with Backplate, As Per Plan	8	EA	\$1,500.00	\$12,000.00	\$745.00	\$5,960.00	\$785.00	\$6,280.00	\$745.00	\$5,960.00

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ENGINEER'S ESTIMATE	Barrett Paving Materials Inc. 3751 Commerce Drive Franklin, Ohio 45005 Phone (937) 424-4662 Fax (937) 424-3336 bfultz@barrett paving.com	Brumbaugh Construction, Inc. 3520 St. Rt. 49, PO Box 309 Arcanum, OH 45304 Phone (937) 692-5107 Fax (937) 692-5678 dan@brumbaughconstruction.com	A & B Asphalt Corporation 1780 Enon Road Springfield, OH 45502 Phone (937) 882-6954 Fax (937) 882-6957 brad.beam@irinet.com
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ITEM NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
TRAFFIC SIGNALS cont.											
632	Pedestrian Signal Head, (LED), Type D2, As Per Plan	4	EA	\$875.00	\$3,500.00	\$575.00	\$2,300.00	\$605.00	\$2,420.00	\$575.00	\$2,300.00
632	Pedestrian Pushbutton	2	EA	\$275.00	\$550.00	\$193.00	\$386.00	\$203.00	\$406.00	\$193.00	\$386.00
632	Detector Loop, Quadropole	1	EA	\$1,900.00	\$1,900.00	\$1,260.00	\$1,260.00	\$1,326.00	\$1,326.00	\$1,260.00	\$1,260.00
632	Detector Loop, Rectangular	1	EA	\$1,900.00	\$1,900.00	\$1,260.00	\$1,260.00	\$1,326.00	\$1,326.00	\$1,260.00	\$1,260.00
632	Signal Support Foundation	2	EA	\$4,750.00	\$9,500.00	\$3,282.00	\$6,564.00	\$3,455.00	\$6,910.00	\$3,282.00	\$6,564.00
632	Pedestal Foundation	1	EA	\$2,250.00	\$2,250.00	\$952.00	\$952.00	\$1,000.00	\$1,000.00	\$952.00	\$952.00
632	Signal Support, Type TC-81.21 Design 12 Pole, with Mast Arms TC-81.21 Design 3 and Design 4	1	EA	\$12,000.00	\$12,000.00	\$10,056.00	\$10,056.00	\$10,585.00	\$10,585.00	\$10,056.00	\$10,056.00
632	Signal Support, Type TC-81.21 Design 12 Pole, with Mast Arms TC-81.21 Design 3 and Design 11	1	EA	\$15,000.00	\$15,000.00	\$10,151.00	\$10,151.00	\$10,685.00	\$10,685.00	\$10,551.00	\$10,551.00
632	Pedestal, 8', Transformer Base, As Per Plan	1	EA	\$1,750.00	\$1,750.00	\$635.00	\$635.00	\$670.00	\$670.00	\$635.00	\$635.00
632	Covering of Vehicular Signal Head	8	EA	\$60.00	\$480.00	\$12.85	\$102.80	\$13.50	\$108.00	\$12.85	\$102.80
632	Covering of Pedestrian Signal Head	4	EA	\$60.00	\$240.00	\$12.85	\$51.40	\$13.50	\$54.00	\$12.85	\$51.40
632	Signal Cable, 7 Conductor, No. 14 AWG	1,010	LF	\$6.00	\$6,060.00	\$2.15	\$2,171.50	\$2.25	\$2,272.50	\$2.15	\$2,171.50
632	Loop Detector Lead-In Cable, 2 Conductor, No. 14 AWG	100	LF	\$5.00	\$500.00	\$2.16	\$216.00	\$2.27	\$227.00	\$2.16	\$216.00
632	Service Cable, 3 Conductor, No. 4 AWG	30	LF	\$25.00	\$750.00	\$4.13	\$123.90	\$4.35	\$130.50	\$4.13	\$123.90
62	Power Service, As Per Plan	1	EA	\$7,500.00	\$7,500.00	\$1,593.00	\$1,593.00	\$1,677.00	\$1,677.00	\$1,593.00	\$1,593.00
633	Controller Unit, Type TS2/A2, with Pole Mounted Cabinet, Type TS2, As Per Plan	1	EA	\$25,000.00	\$25,000.00	\$16,055.00	\$16,055.00	\$16,900.00	\$16,900.00	\$16,055.00	\$16,055.00
633	Signalization Misc: Preemption, As Per Plan	1	LS	\$10,000.00	\$10,000.00	\$8,257.00	\$8,257.00	\$8,690.00	\$8,690.00	\$8,257.00	\$8,257.00
MAINTENANCE OF TRAFFIC											
*410	Traffic Compacted Surface, Type B	35	CY	\$50.00	\$1,750.00	\$95.00	\$3,325.00	\$64.00	\$2,240.00	\$248.86	\$8,710.10
416	Temporary Pavement	20	SY	\$35.00	\$700.00	\$70.00	\$1,400.00	\$100.00	\$2,000.00	\$102.53	\$2,050.60
614	Maintaining Traffic	1	LS	\$50,000.00	\$50,000.00	\$43,000.00	\$43,000.00	\$114,122.55	\$114,122.55	\$57,974.51	\$57,974.51
*614	Detour Signing	1	LS	\$25,000.00	\$25,000.00	\$950.00	\$950.00	\$1,500.00	\$1,500.00	\$2,015.00	\$2,015.00

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ENGINEER'S ESTIMATE	Barrett Paving Materials Inc. 3751 Commerce Drive Franklin, Ohio 45005 Phone (937) 424-4662 Fax (937) 424-3336 bfultz@barrettpaving.com	Brumbaugh Construction, Inc. 3520 St. Rt. 49, PO Box 309 Arcanum, OH 45304 Phone (937) 692-5107 Fax (937) 692-5678 dan@brumbaughconstruction.com	A & B Asphalt Corporation 1780 Enon Road Springfield, OH 45502 Phone (937) 882-6954 Fax (937) 882-6957 brad.beam@irinet.com
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ITEM NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT COST	TOTAL						
MAINTENANCE OF TRAFFIC - cont.											
*614	Work Zone Center Line, Class II	1.17	Mile	\$4,500.00	\$5,265.00	\$960.00	\$1,123.20	\$1,010.00	\$1,181.70	\$960.00	\$1,123.20
*616	Water	15	Mgal	\$25.00	\$375.00	\$10.00	\$150.00	\$100.00	\$1,500.00	\$10.00	\$150.00
MISCELLANEOUS											
623	Construction Layout Stakes	1	LS	\$20,000.00	\$20,000.00	\$15,000.00	\$15,000.00	\$20,000.00	\$20,000.00	\$15,000.00	\$15,000.00
*623	Monument Assembly	1	EA	\$2,500.00	\$2,500.00	\$1,100.00	\$1,100.00	\$700.00	\$700.00	\$1,500.00	\$1,500.00
1001	Premium for Owner's Protective Insurance	1	LS	\$7,000.00	\$7,000.00	\$200.00	\$200.00	\$500.00	\$500.00	\$3,500.00	\$3,500.00
1002	Premium for Contract Performance and Payment Bond	1	LS	\$14,000.00	\$14,000.00	\$6,000.00	\$6,000.00	\$12,000.00	\$12,000.00	\$7,500.00	\$7,500.00
GRAND TOTAL					\$1,775,206.50		\$1,498,240.00		\$1,542,391.00		\$1,625,974.93

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ENGINEER'S ESTIMATE	Double Z Construction 2550 Harrison Road Columbus, OH 43204 Phone (614) 274-2700 Fax (614) 274-2702 daveguzzo@doublez.co	
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ITEM NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
ROADWAY											
201	Clearing and Grubbing	1	LS	\$25,000.00	\$25,000.00	\$30,000.00	\$30,000.00		\$0.00		\$0.00
201	Tree Removed, 18-Inch Size	6	EA	\$3,500.00	\$21,000.00	\$600.00	\$3,600.00		\$0.00		\$0.00
202	Pipe Removed	333	LF	\$20.00	\$6,660.00	\$9.00	\$2,997.00		\$0.00		\$0.00
202	Removal of Post and Disposal	2	EA	\$50.00	\$100.00	\$30.00	\$60.00		\$0.00		\$0.00
SPEC	Special: Mail Box Removed and Reset	18	EA	\$150.00	\$2,700.00	\$200.00	\$3,600.00		\$0.00		\$0.00
202	Pavement Removed	2,394	SY	\$25.00	\$59,850.00	\$13.00	\$31,122.00		\$0.00		\$0.00
202	Walk Removed	442	SF	\$4.00	\$1,768.00	\$5.00	\$2,210.00		\$0.00		\$0.00
202	Drive Removed	18,508	SF	\$5.00	\$92,540.00	\$2.00	\$37,016.00		\$0.00		\$0.00
202	Curb and Gutter Removed	1,918	LF	\$7.00	\$13,426.00	\$5.00	\$9,590.00		\$0.00		\$0.00
202	Catch Basin Removed	4	EA	\$550.00	\$2,200.00	\$300.00	\$1,200.00		\$0.00		\$0.00
*203	Excavation	5,782	CY	\$30.00	\$173,460.00	\$31.00	\$179,242.00		\$0.00		\$0.00
*203	Embankment	542	CY	\$20.00	\$10,840.00	\$1.00	\$542.00		\$0.00		\$0.00
*204	Subgrade Compaction	8,307	SY	\$5.00	\$41,535.00	\$2.00	\$16,614.00		\$0.00		\$0.00
*204	Excavation of Subgrade	77	CY	\$40.00	\$3,080.00	\$30.00	\$2,310.00		\$0.00		\$0.00
*204	Granular Material, Type B	77	CY	\$50.00	\$3,850.00	\$55.00	\$4,235.00		\$0.00		\$0.00
*204	Geotextile Fabric, Type D	231	SY	\$5.00	\$1,155.00	\$2.00	\$462.00		\$0.00		\$0.00
517	Railing Misc: Steel Pipe Railing	202	LF	\$30.00	\$6,060.00	\$200.00	\$40,400.00		\$0.00		\$0.00
608	4" Concrete Walk	585	SF	\$6.00	\$3,510.00	\$10.00	\$5,850.00		\$0.00		\$0.00
608	6" Concrete Walk	710	SF	\$7.00	\$4,970.00	\$10.00	\$7,100.00		\$0.00		\$0.00
608	6" Concrete Drive	2,002	SF	\$7.00	\$14,014.00	\$70.00	\$140,140.00		\$0.00		\$0.00
608	8" Concrete Drive	114	SF	\$8.00	\$912.00	\$70.00	\$7,980.00		\$0.00		\$0.00
608	Curb Ramp, Type A1, As Per Plan	3	EA	\$325.00	\$975.00	\$900.00	\$2,700.00		\$0.00		\$0.00
608	Curb Ramp, Type A2, As Per Plan	2	EA	\$325.00	\$650.00	\$1,200.00	\$2,400.00		\$0.00		\$0.00
608	Curb Ramp, Type B1, As Per Plan	2	EA	\$325.00	\$650.00	\$1,000.00	\$2,000.00		\$0.00		\$0.00
SPEC	Special - Retaining Wall, Misc: Concrete Unit Block	1,600	SF	\$50.00	\$80,000.00	\$45.00	\$72,000.00		\$0.00		\$0.00
EROSION CONTROL											
*601	Rock Channel Protection, Type C with Aggregate Filter	10	CY	\$70.00	\$700.00	\$100.00	\$1,000.00		\$0.00		\$0.00

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ENGINEER'S ESTIMATE	Double Z Construction 2550 Harrison Road Columbus, OH 43204 Phone (614) 274-2700 Fax (614) 274-2702 daveguzzo@doublez.co	
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ITEM NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
EROSION CONTROL cont.											
*653	Topsoil Furnished and Placed	576	CY	\$45.00	\$25,920.00	\$45.00	\$25,920.00		\$0.00		\$0.00
659	Seeding and Mulching	5,056	SY	\$2.00	\$10,112.00	\$1.05	\$5,308.80		\$0.00		\$0.00
659	Commercial Fertilizer	0.228	TON	\$1,000.00	\$228.00	\$650.00	\$148.20		\$0.00		\$0.00
*671	Erosion Control Mat, Type C	130	SY	\$3.00	\$390.00	\$5.11	\$664.30		\$0.00		\$0.00
*832	Storm Water Pollution Prevention Plan	1	LS	\$10,000.00	\$10,000.00	\$14,000.00	\$14,000.00		\$0.00		\$0.00
*832	Erosion Control	15,500	EA	\$1.00	\$15,500.00	\$1.00	\$15,500.00		\$0.00		\$0.00
PAVEMENT											
304	6" Aggregate Base (Drive)	194	CY	\$35.00	\$6,790.00	\$100.00	\$19,400.00		\$0.00		\$0.00
*441	Asphalt Concrete Intermediate Course (448), Type 2 (Driveways)	51	TON	\$70.00	\$3,570.00	\$120.00	\$6,120.00		\$0.00		\$0.00
*441	PG64-22 (Driveways)	103	TON	\$70.00	\$7,210.00	\$127.00	\$13,081.00		\$0.00		\$0.00
609	Curb, Type A, Straight	2,521	LF	\$22.00	\$55,462.00	\$15.00	\$37,815.00		\$0.00		\$0.00
609	Curb, Type A, Radius	421	LF	\$22.00	\$9,262.00	\$15.00	\$6,315.00		\$0.00		\$0.00
609	Curb, Type A, Straight, As Per Plan	1,439	LF	\$22.00	\$31,658.00	\$15.00	\$21,585.00		\$0.00		\$0.00
609	Curb, Type A, Radius, As Per Plan	190	LF	\$22.00	\$4,180.00	\$15.00	\$2,850.00		\$0.00		\$0.00
609	Combination Curb and Gutter, Type C, Straight, As Per Plan	231	LF	\$22.00	\$5,082.00	\$25.00	\$5,775.00		\$0.00		\$0.00
254	Pavement Planing, Asphalt Concrete	18,185	SY	\$2.00	\$36,370.00	\$1.75	\$31,823.75		\$0.00		\$0.00
261	Pavement Restoration, Type B	99	SY	\$60.00	\$5,940.00	\$86.00	\$8,514.00		\$0.00		\$0.00
261	Pavement Restoration, Type E, As Per Plan	231	LF	\$20.00	\$4,620.00	\$21.00	\$4,851.00		\$0.00		\$0.00
261	Pavement Restoration, Type E, As Per Plan	260	SY	\$60.00	\$15,600.00	\$76.00	\$19,760.00		\$0.00		\$0.00
*301	Asphalt Concrete Base, PG64-22	1,108	CY	\$110.00	\$121,880.00	\$115.00	\$127,420.00		\$0.00		\$0.00
*304	Aggregate Base	1,348	CY	\$44.00	\$59,312.00	\$65.00	\$87,620.00		\$0.00		\$0.00
*304	Aggregate Base (Berm)	361	CY	\$40.00	\$14,440.00	\$36.00	\$12,996.00		\$0.00		\$0.00
407	Tack Coat, 0.10 GAL per SY	2,631	GAL	\$3.00	\$7,893.00	\$4.00	\$10,524.00		\$0.00		\$0.00
SPEC	Special: Tack Coat, Trackless Tack Coat for Intermediate Course, 0.04 GAL per SY	929	GAL	\$5.00	\$4,645.00	\$4.00	\$3,716.00		\$0.00		\$0.00
422	Seal Coat Using No. 8 Cover Aggregate	1,697	SY	\$10.00	\$16,970.00	\$5.50	\$9,333.50		\$0.00		\$0.00

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ENGINEER'S ESTIMATE	Double Z Construction 2550 Harrison Road Columbus, OH 43204 Phone (614) 274-2700 Fax (614) 274-2702 daveguzzo@doublez.co	
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ITEM NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
PAVEMENT cont.											
*441	Asphalt Concrete Intermdiate Course (448), Type 1	1,288	TON	\$75.00	\$96,600.00	\$63.00	\$81,144.00		\$0.00		\$0.00
*441	2	436	TON	\$75.00	\$32,700.00	\$65.00	\$28,340.00		\$0.00		\$0.00
*441	Asphalt Concrete Surface Course (448), Type 1, PG64-22	2,187	TON	\$75.00	\$164,025.00	\$62.00	\$135,594.00		\$0.00		\$0.00
DRAINAGE											
803	10" Conduit, Type B	302	LF	\$45.00	\$13,590.00	\$42.00	\$12,684.00		\$0.00		\$0.00
803	12" Conduit, Type B	1,141	LF	\$50.00	\$57,050.00	\$70.00	\$79,870.00		\$0.00		\$0.00
803	27" Conduit, Type B	12	LF	\$100.00	\$1,200.00	\$200.00	\$2,400.00		\$0.00		\$0.00
SPEC	Fill and Plug Existing Conduit	171	LF	\$25.00	\$4,275.00	\$9.00	\$1,539.00		\$0.00		\$0.00
804	Manhole, No. 1, Type B	5	EA	\$5,000.00	\$25,000.00	\$2,500.00	\$12,500.00		\$0.00		\$0.00
804	Catch Basin, No. 1	5	EA	\$1,500.00	\$7,500.00	\$2,500.00	\$12,500.00		\$0.00		\$0.00
804	Catch Basin, No. 2-3	4	EA	\$1,500.00	\$6,000.00	\$1,800.00	\$7,200.00		\$0.00		\$0.00
804	Catch Basin, As Per Plan with Neenah R-3406 Casting	1	EA	\$1,500.00	\$1,500.00	\$2,500.00	\$2,500.00		\$0.00		\$0.00
804	Manhole Adjusted to Grade	3	EA	\$750.00	\$2,250.00	\$500.00	\$1,500.00		\$0.00		\$0.00
804	Catch Basin Adjusted to Grade	1	EA	\$650.00	\$650.00	\$600.00	\$600.00		\$0.00		\$0.00
804	Manhole Casting Furnished	5	EA	\$325.00	\$1,625.00	\$200.00	\$1,000.00		\$0.00		\$0.00
804	Manhole Reconstructed to Grade	2	EA	\$2,500.00	\$5,000.00	\$600.00	\$1,200.00		\$0.00		\$0.00
WATER WORK											
838	8" Water Main	263	LF	\$60.00	\$15,780.00	\$55.00	\$14,465.00		\$0.00		\$0.00
839	Valve Box Adjusted to Grade	23	EA	\$30.00	\$690.00	\$180.00	\$4,140.00		\$0.00		\$0.00
839	New Valve Box Furnished	12	EA	\$50.00	\$600.00	\$180.00	\$2,160.00		\$0.00		\$0.00
839	8" x 8" Tapping Sleeve, Valve & Valve Box	1	EA	\$5,000.00	\$5,000.00	\$6,000.00	\$6,000.00		\$0.00		\$0.00
TRAFFIC CONTROL											
630	Ground Mounted Support, No. 2 Post	42	FT	\$10.00	\$420.00	\$9.00	\$378.00		\$0.00		\$0.00
630	Ground Mounted Support, No. 3 Post	336	FT	\$10.00	\$3,360.00	\$10.00	\$3,360.00		\$0.00		\$0.00
*630	Sign Support Assembly, Pole Mounted	2	EA	\$100.00	\$200.00	\$100.00	\$200.00		\$0.00		\$0.00
*630	Sign, Flat Sheet	5	SF	\$15.00	\$75.00	\$17.00	\$85.00		\$0.00		\$0.00
630	Sign, Flat Sheet, Type-J	171	SF	\$16.00	\$2,736.00	\$17.00	\$2,907.00		\$0.00		\$0.00

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ENGINEER'S ESTIMATE	Double Z Construction 2550 Harrison Road Columbus, OH 43204 Phone (614) 274-2700 Fax (614) 274-2702 daveguzzo@doublez.co	
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ITEM NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
TRAFFIC CONTROL cont.											
*630	Removal of Ground Mounted Sign for Storage	22	EA	\$50.00	\$1,100.00	\$15.00	\$330.00		\$0.00		\$0.00
*630	Removal of Grout Mounted Post Support for Disposal	22	EA	\$25.00	\$550.00	\$20.00	\$440.00		\$0.00		\$0.00
630	Removal of Ground Mounted Sign and Storage, As Per Plan	3	EA	\$10.00	\$30.00	\$20.00	\$60.00		\$0.00		\$0.00
630	Removal of Ground Mounted Support and Storage, As Per Plan	3	EA	\$25.00	\$75.00	\$25.00	\$75.00		\$0.00		\$0.00
*644	Edge Line, 4", White	1.75	MILE	\$3,000.00	\$5,250.00	\$2,315.00	\$4,051.25		\$0.00		\$0.00
*644	Lane Line, 4"	0.03	MILE	\$2,200.00	\$66.00	\$1,575.00	\$47.25		\$0.00		\$0.00
*644	Center Line	2.06	MILE	\$5,000.00	\$10,300.00	\$4,585.00	\$9,445.10		\$0.00		\$0.00
*644	Channelizing Line, 8"	623	FT	\$2.50	\$1,557.50	\$1.40	\$872.20		\$0.00		\$0.00
*644	Stop Line	146	FT	\$6.00	\$876.00	\$5.40	\$788.40		\$0.00		\$0.00
*644	Crosswalk Line	329	FT	\$4.00	\$1,316.00	\$2.80	\$921.20		\$0.00		\$0.00
*644	Transverse & Diagonal Line (White)	83	FT	\$8.00	\$664.00	\$5.55	\$460.65		\$0.00		\$0.00
*644	Transverse & Diagonal Line (Yellow)	69	FT	\$8.00	\$552.00	\$5.55	\$382.95		\$0.00		\$0.00
*644	Lane Arrow	20	EA	\$125.00	\$2,500.00	\$74.00	\$1,480.00		\$0.00		\$0.00
*644	Dotted Line, 4"	67	FT	\$5.00	\$335.00	\$1.35	\$90.45		\$0.00		\$0.00
*644	Island Marking	1	EA	\$1,000.00	\$1,000.00	\$158.00	\$158.00		\$0.00		\$0.00
TRAFFIC SIGNALS											
625	Ground Rod	3	EA	\$350.00	\$1,050.00	\$190.00	\$570.00		\$0.00		\$0.00
625	Pull Box, 13" x 24", 725.06	1	EA	\$1,000.00	\$1,000.00	\$725.00	\$725.00		\$0.00		\$0.00
625	Pull Box, 24" x 36", 725.06	2	EA	\$1,500.00	\$3,000.00	\$1,045.00	\$2,090.00		\$0.00		\$0.00
625	Conduit, 3", 725.04	150	FT	\$25.00	\$3,750.00	\$14.80	\$2,220.00		\$0.00		\$0.00
625	Trench	10	FT	\$50.00	\$500.00	\$9.80	\$98.00		\$0.00		\$0.00
625	Trench in Paved Area, Type B	130	FT	\$50.00	\$6,500.00	\$32.00	\$4,160.00		\$0.00		\$0.00
630	Sign Hanger Assembly, Mast Arm, As Per Plan	12	EA	\$275.00	\$3,300.00	\$315.00	\$3,780.00		\$0.00		\$0.00
632	Vehicle Signal Head, (LED), 3-Section, 12" Lens, 1-Way, Polycarbonate with Backplate, As Per Plan	8	EA	\$1,500.00	\$12,000.00	\$785.00	\$6,280.00		\$0.00		\$0.00

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ENGINEER'S ESTIMATE	Double Z Construction 2550 Harrison Road Columbus, OH 43204 Phone (614) 274-2700 Fax (614) 274-2702 daveguzzo@doublez.co	
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ITEM NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
TRAFFIC SIGNALS cont.											
632	Pedestrian Signal Head, (LED), Type D2, As Per Plan	4	EA	\$875.00	\$3,500.00	\$525.00	\$2,100.00		\$0.00		\$0.00
632	Pedestrian Pushbutton	2	EA	\$275.00	\$550.00	\$225.00	\$450.00		\$0.00		\$0.00
632	Detector Loop, Quadropole	1	EA	\$1,900.00	\$1,900.00	\$1,400.00	\$1,400.00		\$0.00		\$0.00
632	Detector Loop, Rectangular	1	EA	\$1,900.00	\$1,900.00	\$1,260.00	\$1,260.00		\$0.00		\$0.00
632	Signal Support Foundation	2	EA	\$4,750.00	\$9,500.00	\$3,875.00	\$7,750.00		\$0.00		\$0.00
632	Pedestal Foundation	1	EA	\$2,250.00	\$2,250.00	\$750.00	\$750.00		\$0.00		\$0.00
632	Signal Support, Type TC-81.21 Design 12 Pole, with Mast Arms TC-81.21 Design 3 and Design 4	1	EA	\$12,000.00	\$12,000.00	\$9,400.00	\$9,400.00		\$0.00		\$0.00
632	Signal Support, Type TC-81.21 Design 12 Pole, with Mast Arms TC-81.21 Design 3 and Design 11	1	EA	\$15,000.00	\$15,000.00	\$9,745.00	\$9,745.00		\$0.00		\$0.00
632	Pedestal, 8', Transformer Base, As Per Plan	1	EA	\$1,750.00	\$1,750.00	\$1,120.00	\$1,120.00		\$0.00		\$0.00
632	Covering of Vehicular Signal Head	8	EA	\$60.00	\$480.00	\$30.00	\$240.00		\$0.00		\$0.00
632	Covering of Pedestrian Signal Head	4	EA	\$60.00	\$240.00	\$30.00	\$120.00		\$0.00		\$0.00
632	Signal Cable, 7 Conductor, No. 14 AWG	1,010	LF	\$6.00	\$6,060.00	\$1.95	\$1,969.50		\$0.00		\$0.00
632	Loop Detector Lead-In Cable, 2 Conductor, No. 14 AWG	100	LF	\$5.00	\$500.00	\$2.30	\$230.00		\$0.00		\$0.00
632	Service Cable, 3 Conductor, No. 4 AWG	30	LF	\$25.00	\$750.00	\$3.00	\$90.00		\$0.00		\$0.00
62	Power Service, As Per Plan	1	EA	\$7,500.00	\$7,500.00	\$2,100.00	\$2,100.00		\$0.00		\$0.00
633	Controller Unit, Type TS2/A2, with Pole Mounted Cabinet, Type TS2, As Per Plan	1	EA	\$25,000.00	\$25,000.00	\$15,875.00	\$15,875.00		\$0.00		\$0.00
633	Signalization Misc: Preemption, As Per Plan	1	LS	\$10,000.00	\$10,000.00	\$11,800.00	\$11,800.00		\$0.00		\$0.00
MAINTENANCE OF TRAFFIC											
*410	Traffic Compacted Surface, Type B	35	CY	\$50.00	\$1,750.00	\$60.00	\$2,100.00		\$0.00		\$0.00
416	Temporary Pavement	20	SY	\$35.00	\$700.00	\$80.00	\$1,600.00		\$0.00		\$0.00
614	Maintaining Traffic	1	LS	\$50,000.00	\$50,000.00	\$48,000.00	\$48,000.00		\$0.00		\$0.00
*614	Detour Signing	1	LS	\$25,000.00	\$25,000.00	\$3,000.00	\$3,000.00		\$0.00		\$0.00

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ITEM NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
MAINTENANCE OF TRAFFIC - cont.											
*614	Work Zone Center Line, Class II	1.17	Mile	\$4,500.00	\$5,265.00	\$960.00	\$1,123.20		\$0.00		\$0.00
*616	Water	15	Mgal	\$25.00	\$375.00	\$10.00	\$150.00		\$0.00		\$0.00
MISCELLANEOUS											
623	Construction Layout Stakes	1	LS	\$20,000.00	\$20,000.00	\$12,000.00	\$12,000.00		\$0.00		\$0.00
*623	Monument Assembly	1	EA	\$2,500.00	\$2,500.00	\$1,200.00	\$1,200.00		\$0.00		\$0.00
1001	Premium for Owner's Protective Insurance	1	LS	\$7,000.00	\$7,000.00	\$100.00	\$100.00		\$0.00		\$0.00
1002	Premium for Contract Performance and Payment Bond	1	LS	\$14,000.00	\$14,000.00	\$14,000.00	\$14,000.00		\$0.00		\$0.00
GRAND TOTAL					\$1,775,206.50		\$1,700,874.70		\$0.00		\$0.00