

CLA - N. Belmont Avenue Reconstruction, Phase 2, PID 94814 - REBID

BIDS RECEIVED ON: June 7, 2019

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				ENGINEER'S ESTIMATE		J & J Schlaegel, Inc. 1250 East US Hwy 36 Urbana, OH 43078 Phone (937) 652-2045 Fax (937) 652-2046		Milcon Concrete, Inc. 1360 S. Co. Rd. 25A Troy, OH 45373 Phone (937) 339-6274 Fax (937) 335-9881		Sunesis Construction Co. 2610 Crescentville Rd. West Chester, OH 45069 Phone (513) 326-6000 Fax (513) 326-6001	
ITEM NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
ROADWAY											
*202	Clearing and Grubbing	1	LS	\$10,000.00	\$10,000.00	\$20,000.00	\$20,000.00	\$4,600.20	\$4,600.20	\$12,000.00	\$12,000.00
202	Pavement Removed	12,718	SY	\$11.25	\$143,077.50	\$10.42	\$132,521.56	\$6.00	\$76,308.00	\$10.00	\$127,180.00
202	Drive Removed	10,805	SF	\$3.75	\$40,518.75	\$3.50	\$37,817.50	\$3.00	\$32,415.00	\$4.00	\$43,220.00
202	Walk Removed	15,132	SF	\$1.25	\$18,915.00	\$1.20	\$18,158.40	\$0.50	\$7,566.00	\$1.00	\$15,132.00
202	Walk Removed, As Per Plan	375	SF	\$1.75	\$656.25	\$1.20	\$450.00	\$1.00	\$375.00	\$3.00	\$1,125.00
*202	Steps Removed	44	FT	\$35.00	\$1,540.00	\$25.00	\$1,100.00	\$34.60	\$1,522.40	\$40.00	\$1,760.00
202	Curb Removed	3,992	FT	\$4.75	\$18,962.00	\$3.50	\$13,972.00	\$2.30	\$9,181.60	\$6.00	\$23,952.00
202	Curb and Gutter Removed	372	FT	\$5.00	\$1,860.00	\$5.00	\$1,860.00	\$4.04	\$1,502.88	\$6.00	\$2,232.00
202	Pipe Removed	350	FT	\$22.00	\$7,700.00	\$25.00	\$8,750.00	\$27.66	\$9,681.00	\$17.00	\$5,950.00
*202	Guardrail Removed	253	FT	\$6.00	\$1,518.00	\$6.00	\$1,518.00	\$7.00	\$1,771.00	\$6.00	\$1,518.00
*202	Anchor Assembly Removed, Type A	1	EA	\$500.00	\$500.00	\$750.00	\$750.00	\$405.00	\$405.00	\$375.00	\$375.00
202	Catch Basin Removed	9	EA	\$475.00	\$4,275.00	\$350.00	\$3,150.00	\$360.00	\$3,240.00	\$550.00	\$4,950.00
*202	Fence Removed	365	FT	\$5.00	\$1,825.00	\$5.00	\$1,825.00	\$5.80	\$2,117.00	\$5.00	\$1,825.00
*202	Removal Misc: Flower Bed Removed	3	EA	\$300.00	\$900.00	\$300.00	\$900.00	\$184.00	\$552.00	\$230.00	\$690.00
*202	Removal Misc: Decorative Rock Removed	3	EA	\$75.00	\$225.00	\$50.00	\$150.00	\$108.00	\$324.00	\$84.00	\$252.00
*202	Removal Misc: Post Removed	1	EA	\$175.00	\$175.00	\$50.00	\$50.00	\$108.00	\$108.00	\$220.00	\$220.00
*202	Removal Misc: Stone Wall Removed	205	FT	\$13.00	\$2,665.00	\$10.00	\$2,050.00	\$8.70	\$1,783.50	\$15.00	\$3,075.00
*202	Removal Misc: Wall Removed	187	FT	\$15.00	\$2,805.00	\$15.00	\$2,805.00	\$3.50	\$654.50	\$14.00	\$2,618.00
*202	Removal Misc: Railroad Ties Removed	249	FT	\$20.00	\$4,980.00	\$5.00	\$1,245.00	\$3.00	\$747.00	\$13.00	\$3,237.00
*202	Removal Misc: Concrete Ditch Removed	15	FT	\$26.00	\$390.00	\$35.00	\$525.00	\$9.40	\$141.00	\$17.00	\$255.00
*203	Excavation	4,424	CY	\$32.00	\$141,568.00	\$20.00	\$88,480.00	\$20.00	\$88,480.00	\$44.00	\$194,656.00
*203	Embankment	785	CY	\$16.00	\$12,560.00	\$20.00	\$15,700.00	\$31.00	\$24,335.00	\$12.00	\$9,420.00
*204	Subgrade Compaction	1,164	SY	\$8.00	\$9,312.00	\$1.25	\$1,455.00	\$1.20	\$1,396.80	\$11.00	\$12,804.00
*204	Proof Rolling	4	HOUR	\$200.00	\$800.00	\$175.00	\$700.00	\$170.00	\$680.00	\$200.00	\$800.00
*206	Cement	457	TON	\$165.00	\$75,405.00	\$172.70	\$78,923.90	\$183.00	\$83,631.00	\$173.00	\$79,061.00
*206	Curing Coat	11,537	SY	\$1.00	\$11,537.00	\$0.95	\$10,960.15	\$1.40	\$16,151.80	\$1.00	\$11,537.00
*206	Cement Stabilized Subgrade, 16 Inches Deep	11,537	SY	\$4.00	\$46,148.00	\$4.21	\$48,570.77	\$7.10	\$81,912.70	\$4.00	\$46,148.00

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ITEM NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
ROADWAY cont.											
*606	Guardrail, Type MGS	112.50	FT	\$25.00	\$2,812.50	\$25.00	\$2,812.50	\$29.00	\$3,262.50	\$26.00	\$2,925.00
*606	Anchor Assembly, MGS Type A	1	EA	\$1,900.00	\$1,900.00	\$1,900.00	\$1,900.00	\$2,200.00	\$2,200.00	\$1,900.00	\$1,900.00
*607	Fence , Type CL	140	FT	\$18.00	\$2,520.00	\$18.25	\$2,555.00	\$21.00	\$2,940.00	\$20.00	\$2,800.00
*607	<i>Fence, Type CL, Misc: Temporary Fence and Gate</i>	50	FT	\$20.00	\$1,000.00	\$20.00	\$1,000.00	\$23.00	\$1,150.00	\$20.00	\$1,000.00
*607	<i>Gate , Type CL</i>	1	EA	\$475.00	\$475.00	\$475.00	\$475.00	\$550.00	\$550.00	\$475.00	\$475.00
*607	Fence Misc: Pre-Manufactured Steel Fence	45	FT	\$90.00	\$4,050.00	\$92.00	\$4,140.00	\$110.00	\$4,950.00	\$92.00	\$4,140.00
608	<i>4" Concrete Walk</i>	23,195	SF	\$6.00	\$139,170.00	\$6.25	\$144,968.75	\$6.60	\$153,087.00	\$6.00	\$139,170.00
608	6" Concrete Walk	2,055	SF	\$7.50	\$15,412.50	\$8.00	\$16,440.00	\$10.30	\$21,166.50	\$7.00	\$14,385.00
608	8" Concrete Walk	578	SF	\$10.00	\$5,780.00	\$9.00	\$5,202.00	\$12.30	\$7,109.40	\$10.00	\$5,780.00
608	6" Concrete Drive	3,901	SF	\$9.00	\$35,109.00	\$8.00	\$31,208.00	\$11.00	\$42,911.00	\$9.00	\$35,109.00
608	8" Concrete Drive	1,146	SF	\$9.50	\$10,887.00	\$9.00	\$10,314.00	\$12.00	\$13,752.00	\$9.00	\$10,314.00
608	Curb Ramp, As Per Plan (Type A1)	1	EA	\$675.00	\$675.00	\$550.00	\$550.00	\$650.00	\$650.00	\$700.00	\$700.00
608	Curb Ramp, As Per Plan (Type A2)	1	EA	\$675.00	\$675.00	\$550.00	\$550.00	\$650.00	\$650.00	\$700.00	\$700.00
608	Curb Ramp, As Per Plan (Type B1)	1	EA	\$675.00	\$675.00	\$550.00	\$550.00	\$650.00	\$650.00	\$700.00	\$700.00
608	Curb Ramp, As Per Plan (Type C2)	1	EA	\$675.00	\$675.00	\$550.00	\$550.00	\$650.00	\$650.00	\$700.00	\$700.00
608	Concrete Steps, Type A	27	FT	\$1,300.00	\$35,100.00	\$992.60	\$26,800.20	\$970.00	\$26,190.00	\$1,340.00	\$36,180.00
*623	Monument Assembly	6	EA	\$900.00	\$5,400.00	\$950.00	\$5,700.00	\$940.00	\$5,640.00	\$100.00	\$600.00
*SPEC	<i>Mailbox Support</i>	21	EA	\$260.00	\$5,460.00	\$150.00	\$3,150.00	\$230.00	\$4,830.00	\$260.00	\$5,460.00
*861	<i>Geogrid for Subgrade Stabilization, As Per Plan</i>	2,900	SY	\$2.00	\$5,800.00	\$1.60	\$4,640.00	\$1.80	\$5,220.00	\$2.00	\$5,800.00
EROSION CONTROL											
*601	<i>Rock Channel Protection, Type C with Geotextile Fabric</i>	4	CY	\$160.00	\$640.00	\$125.00	\$500.00	\$390.00	\$1,560.00	\$170.00	\$680.00
*659	Topsoil	933	CY	\$55.00	\$51,315.00	\$55.00	\$51,315.00	\$56.00	\$52,248.00	\$55.00	\$51,315.00
659	Seeding and Mulching	8,409	SY	\$2.75	\$23,124.75	\$3.25	\$27,329.25	\$1.50	\$12,613.50	\$1.50	\$12,613.50

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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.											
*659	Repair Seeding and Mulching	420	SY	\$1.00	\$420.00	\$1.00	\$420.00	\$1.50	\$630.00	\$1.00	\$420.00
*659	Inter-Seeding	420	SY	\$1.00	\$420.00	\$1.00	\$420.00	\$0.75	\$315.00	\$1.00	\$420.00
659	Commercial Fertilizer	1.13	TON	\$650.00	\$734.50	\$650.00	\$734.50	\$900.00	\$1,017.00	\$650.00	\$734.50
*659	Water	45	MGAL	\$20.00	\$900.00	\$20.00	\$900.00	\$11.00	\$495.00	\$20.00	\$900.00
*670	Vegetated Swale Erosion Protection	569	SY	\$1.75	\$995.75	\$1.60	\$910.40	\$2.80	\$1,593.20	\$2.00	\$1,138.00
*670	Ditch Erosion Protection Mat, Type B	59	SY	\$1.75	\$103.25	\$1.60	\$94.40	\$3.50	\$206.50	\$2.00	\$118.00
*832	Storm Water Pollution Prevention Plan	1	LS	\$5,000.00	\$5,000.00	\$5,500.00	\$5,500.00	\$5,300.00	\$5,300.00	\$4,000.00	\$4,000.00
*832	Erosion Control	40,000	EA	\$1.00	\$40,000.00	\$1.00	\$40,000.00	\$1.00	\$40,000.00	\$1.00	\$40,000.00
DRAINAGE											
*SPEC	<i>Pipe Cleanout, 24" and Under</i>	250	FT	\$32.00	\$8,000.00	\$15.00	\$3,750.00	\$15.80	\$3,950.00	\$35.00	\$8,750.00
*602	Concrete Masonry	0.60	CY	\$4,000.00	\$2,400.00	\$1,500.00	\$900.00	\$3,100.00	\$1,860.00	\$4,100.00	\$2,460.00
*605	Aggregate Drains	184	FT	\$20.00	\$3,680.00	\$25.00	\$4,600.00	\$36.00	\$6,624.00	\$15.00	\$2,760.00
803	6" Conduit, Type B	84	FT	\$40.00	\$3,360.00	\$48.00	\$4,032.00	\$74.00	\$6,216.00	\$27.00	\$2,268.00
803	10" Conduit, Type B	50	FT	\$48.00	\$2,400.00	\$50.00	\$2,500.00	\$55.00	\$2,750.00	\$45.00	\$2,250.00
803	12" Conduit, Type B	1,179	FT	\$73.00	\$86,067.00	\$75.00	\$88,425.00	\$68.00	\$80,172.00	\$72.00	\$84,888.00
803	15" Conduit, Type B	795	FT	\$75.00	\$59,625.00	\$82.00	\$65,190.00	\$66.00	\$52,470.00	\$64.00	\$50,880.00
803	18" Conduit, Type B	292	FT	\$85.00	\$24,820.00	\$90.00	\$26,280.00	\$95.00	\$27,740.00	\$70.00	\$20,440.00
803	24" Conduit, Type B	49	FT	\$360.00	\$17,640.00	\$135.00	\$6,615.00	\$59.00	\$2,891.00	\$400.00	\$19,600.00
804	Catch Basin, No. 1, As Per Plan	22	EA	\$3,000.00	\$66,000.00	\$3,150.00	\$69,300.00	\$3,496.00	\$76,912.00	\$2,700.00	\$59,400.00
804	Catch Basin, No. 2, As Per Plan	4	EA	\$6,200.00	\$24,800.00	\$5,200.00	\$20,800.00	\$5,700.00	\$22,800.00	\$6,500.00	\$26,000.00
804	Catch Basin, No. 2-2A, As Per Plan	1	EA	\$2,145.00	\$2,145.00	\$2,150.00	\$2,150.00	\$2,560.00	\$2,560.00	\$2,110.00	\$2,110.00
804	Catch Basin, No. 2-2B, As Per Plan	2	EA	\$2,600.00	\$5,200.00	\$2,550.00	\$5,100.00	\$1,600.00	\$3,200.00	\$2,700.00	\$5,400.00
804	Manhole, No. 1, Type B, with 90" Base I.D. and 8" Weir, As Per Plan	1	EA	\$11,750.00	\$11,750.00	\$9,575.00	\$9,575.00	\$11,210.00	\$11,210.00	\$12,200.00	\$12,200.00
804	Inlet, Side Ditch, As Per Plan	1	EA	\$5,800.00	\$5,800.00	\$4,500.00	\$4,500.00	\$3,000.00	\$3,000.00	\$6,000.00	\$6,000.00

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ITEM NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
PAVEMENT											
*895	Manufactured Water Quality Structure, Type 2	1	EA	\$32,000.00	\$32,000.00	\$18,000.00	\$18,000.00	\$27,148.50	\$27,148.50	\$35,000.00	\$35,000.00
254	<i>Pavement Planing, Asphalt Concrete</i>	1,219	SY	\$6.00	\$7,314.00	\$9.00	\$10,971.00	\$8.00	\$9,752.00	\$5.00	\$6,095.00
*301	Asphalt Concrete Base, PG64-22	1,132	CY	\$125.00	\$141,500.00	\$142.00	\$160,744.00	\$198.00	\$224,136.00	\$120.00	\$135,840.00
*304	Aggregate Base	2,201	CY	\$60.00	\$132,060.00	\$42.00	\$92,442.00	\$53.00	\$116,653.00	\$67.00	\$147,467.00
407	Tack Coat	998	GAL	\$4.00	\$3,992.00	\$2.50	\$2,495.00	\$3.00	\$2,994.00	\$2.00	\$1,996.00
407	Non-Tracking Tack Coat	1,111	GAL	\$4.00	\$4,444.00	\$5.00	\$5,555.00	\$3.00	\$3,333.00	\$2.00	\$2,222.00
*422	Single Chip Seal, Type A	312	SY	\$10.00	\$3,120.00	\$12.00	\$3,744.00	\$23.00	\$7,176.00	\$4.00	\$1,248.00
*441	Asphalt Concrete Surface Course, Type 1, (448), PG64-22	386	CY	\$150.00	\$57,900.00	\$158.00	\$60,988.00	\$205.00	\$79,130.00	\$155.00	\$59,830.00
*441	Asphalt Concrete Intermediate Course, Type 2, (448)	481	CY	\$150.00	\$72,150.00	\$138.00	\$66,378.00	\$198.00	\$95,238.00	\$150.00	\$72,150.00
*441	Asphalt Concrete Surface Course, Type 1, (448), Driveways	51	CY	\$275.00	\$14,025.00	\$197.00	\$10,047.00	\$603.00	\$30,753.00	\$175.00	\$8,925.00
*441	Asphalt Concrete Intermediate Course, Type 2, (448), Driveways	6	CY	\$275.00	\$1,650.00	\$160.00	\$960.00	\$700.00	\$4,200.00	\$175.00	\$1,050.00
*609	Curb, Type 7	235	FT	\$40.00	\$9,400.00	\$38.50	\$9,047.50	\$53.30	\$12,525.50	\$41.00	\$9,635.00
*609	Curb, Type 7, As Per Plan	258	FT	\$48.50	\$12,513.00	\$48.50	\$12,513.00	\$65.00	\$16,770.00	\$50.00	\$12,900.00
609	Curb, Type A, Radius	52	FT	\$52.00	\$2,704.00	\$38.50	\$2,002.00	\$53.30	\$2,771.60	\$54.00	\$2,808.00
609	Combination Curb and Gutter, Type B,	5,791	FT	\$18.00	\$104,238.00	\$18.50	\$107,133.50	\$18.70	\$108,291.70	\$17.00	\$98,447.00
609	Combination Curb and Gutter, Type B, Radius	176	FT	\$40.00	\$7,040.00	\$28.50	\$5,016.00	\$34.00	\$5,984.00	\$44.00	\$7,744.00
WATER WORK											
838	6" Water Main	395	FT	\$200.00	\$79,000.00	\$155.56	\$61,446.20	\$141.70	\$55,971.50	\$215.00	\$84,925.00
838	12" Water Main	288	FT	\$145.00	\$41,760.00	\$125.00	\$36,000.00	\$140.00	\$40,320.00	\$150.00	\$43,200.00
<i>SPEC</i>	<i>12" Water Main Lowering</i>	90	FT	\$400.00	\$36,000.00	\$150.00	\$13,500.00	\$359.00	\$32,310.00	\$420.00	\$37,800.00
839	6" Resilient Seat Wedge Valve and Valve Box	3	EA	\$3,750.00	\$11,250.00	\$1,250.00	\$3,750.00	\$1,140.00	\$3,420.00	\$4,000.00	\$12,000.00
839	12" Resilient Seat Wedge Valve and Valve	1	EA	\$5,000.00	\$5,000.00	\$3,000.00	\$3,000.00	\$2,600.00	\$2,600.00	\$5,520.00	\$5,520.00

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ITEM NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
WATER WORK cont.											
839	6" x 6" Tapping Sleeve, Valve and Valve Box	1	EA	\$3,800.00	\$3,800.00	\$3,800.00	\$3,800.00	\$4,100.00	\$4,100.00	\$3,700.00	\$3,700.00
839	12" x 12" Tapping Sleeve, Valve and Valve Box	1	EA	\$8,000.00	\$8,000.00	\$7,500.00	\$7,500.00	\$7,800.00	\$7,800.00	\$8,100.00	\$8,100.00
839	Valve Box Adjusted to Grade	40	EA	\$250.00	\$10,000.00	\$250.00	\$10,000.00	\$263.00	\$10,520.00	\$250.00	\$10,000.00
SPEC	Meter Box Adjusted to Grade	11	EA	\$200.00	\$2,200.00	\$200.00	\$2,200.00	\$232.00	\$2,552.00	\$198.00	\$2,178.00
840	Fire Hydrant	2	EA	\$6,750.00	\$13,500.00	\$6,500.00	\$13,000.00	\$3,518.00	\$7,036.00	\$7,000.00	\$14,000.00
840	Fire Hydrant Relocated	4	EA	\$4,000.00	\$16,000.00	\$3,500.00	\$14,000.00	\$1,537.00	\$6,148.00	\$4,200.00	\$16,800.00
840	Fire Hydrant Removed	1	EA	\$1,200.00	\$1,200.00	\$550.00	\$550.00	\$495.00	\$495.00	\$1,530.00	\$1,530.00
841	3/4" Property Service, As Per Plan	8	EA	\$2,400.00	\$19,200.00	\$2,150.00	\$17,200.00	\$2,057.00	\$16,456.00	\$2,450.00	\$19,600.00
841	3/4" Property Service with Meter Box, As Per Plan	23	EA	\$2,500.00	\$57,500.00	\$2,750.00	\$63,250.00	\$3,250.00	\$74,750.00	\$2,400.00	\$55,200.00
SPEC	Cut and Plug Water Service	24	EA	\$950.00	\$22,800.00	\$995.00	\$23,880.00	\$586.00	\$14,064.00	\$870.00	\$20,880.00
SANITARY SEWER											
803	6" Conduit, Type A, As Per Plan	10	FT	\$175.00	\$1,750.00	\$185.00	\$1,850.00	\$86.00	\$860.00	\$145.00	\$1,450.00
803	8" Conduit, Type A	78	FT	\$95.00	\$7,410.00	\$100.00	\$7,800.00	\$99.00	\$7,722.00	\$85.00	\$6,630.00
803	8" x 6" Sanitary Service Connection	1	EA	\$2,700.00	\$2,700.00	\$2,500.00	\$2,500.00	\$518.00	\$518.00	\$2,770.00	\$2,770.00
804	Manhole, No. 1, Type A	1	EA	\$4,750.00	\$4,750.00	\$3,500.00	\$3,500.00	\$3,466.00	\$3,466.00	\$5,000.00	\$5,000.00
804	Manhole Adjusted to Grade	12	EA	\$410.00	\$4,920.00	\$400.00	\$4,800.00	\$330.00	\$3,960.00	\$410.00	\$4,920.00
804	Manhole, Reconstructed to Grade	0.68	VFT	\$2,500.00	\$1,700.00	\$2,500.00	\$1,700.00	\$1,410.00	\$958.80	\$2,600.00	\$1,768.00
SPEC	Manhole, Reconstructed to Grade with Eccentric Cone Top	1	EA	\$3,500.00	\$3,500.00	\$3,500.00	\$3,500.00	\$960.00	\$960.00	\$660.00	\$660.00
TRAFFIC CONTROL											
*626	Barrier Reflector, Type 2, Bi-Directional	3	EA	\$14.00	\$42.00	\$14.00	\$42.00	\$11.60	\$34.80	\$14.00	\$42.00
630	Ground Mounted Support, No. 2 Post	408	FT	\$8.00	\$3,264.00	\$8.00	\$3,264.00	\$9.00	\$3,672.00	\$8.00	\$3,264.00
630	Ground Mounted Support, No. 3 Post	40	FT	\$10.00	\$400.00	\$9.00	\$360.00	\$10.40	\$416.00	\$9.00	\$360.00

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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	Ground Mounted Support, Pipe	16	FT	\$16.00	\$256.00	\$16.00	\$256.00	\$18.50	\$296.00	\$16.00	\$256.00
630	Sign Post Reflector	1	EA	\$45.00	\$45.00	\$45.00	\$45.00	\$52.00	\$52.00	\$45.00	\$45.00
630	Sign Support Assembly, Pole Mounted	2	EA	\$10.00	\$20.00	\$8.00	\$16.00	\$9.25	\$18.50	\$8.00	\$16.00
630	Sign, Flat Sheet	76	SF	\$15.00	\$1,140.00	\$15.00	\$1,140.00	\$17.30	\$1,314.80	\$15.00	\$1,140.00
630	Sign, Flat Sheet, Type J	21.3	SF	\$27.00	\$575.10	\$28.25	\$601.73	\$32.00	\$681.60	\$30.00	\$639.00
630	Removal of Ground Mounted Sign and Disposal	26	EA	\$20.00	\$520.00	\$20.00	\$520.00	\$23.00	\$598.00	\$20.00	\$520.00
630	Removal of Ground Mounted Sign and Reerection	1	EA	\$25.00	\$25.00	\$25.00	\$25.00	\$29.00	\$29.00	\$25.00	\$25.00
630	Removal of Ground Mounted Post Support and Disposal	1	EA	\$30.00	\$30.00	\$30.00	\$30.00	\$35.00	\$35.00	\$30.00	\$30.00
*644	Edge Line, 4"	0.30	MILE	\$4,300.00	\$1,290.00	\$4,450.00	\$1,335.00	\$4,100.00	\$1,230.00	\$4,000.00	\$1,200.00
*644	Center Line	0.81	MILE	\$6,800.00	\$5,508.00	\$6,200.00	\$5,022.00	\$8,200.00	\$6,642.00	\$7,000.00	\$5,670.00
*644	Channelizing Line, 8"	314	FT	\$2.75	\$863.50	\$2.80	\$879.20	\$2.90	\$910.60	\$2.50	\$785.00
*644	Stop Line	44	FT	\$7.50	\$330.00	\$6.30	\$277.20	\$9.23	\$406.12	\$8.00	\$352.00
*644	<i>Crosswalk Line</i>	127	FT	\$4.25	\$539.75	\$4.30	\$546.10	\$4.00	\$508.00	\$4.00	\$508.00
*644	Transverse/Diagonal Line	65	FT	\$6.00	\$390.00	\$6.15	\$399.75	\$9.00	\$585.00	\$6.00	\$390.00
*644	Lane Arrow	9	EA	\$125.00	\$1,125.00	\$100.00	\$900.00	\$150.00	\$1,350.00	\$130.00	\$1,170.00
TRAFFIC SIGNALS											
632	Detector Loop	4	EA	\$1,200.00	\$4,800.00	\$1,189.00	\$4,756.00	\$1,375.00	\$5,500.00	\$1,189.00	\$4,756.00
632	Loop Detector Tie In	4	EA	\$100.00	\$400.00	\$100.00	\$400.00	\$115.00	\$460.00	\$100.00	\$400.00
RETAINING WALLS											
*203	Excavation	190	CY	\$40.00	\$7,600.00	\$25.00	\$4,750.00	\$31.00	\$5,890.00	\$52.00	\$9,880.00
*203	Embankment	45	CY	\$22.00	\$990.00	\$25.00	\$1,125.00	\$31.00	\$1,395.00	\$20.00	\$900.00
*203	<i>Granular Material, Type B</i>	24	CY	\$135.00	\$3,240.00	\$48.00	\$1,152.00	\$67.30	\$1,615.20	\$150.00	\$3,600.00
*204	<i>Geotextile Fabric, Type D</i>	173	SY	\$2.00	\$346.00	\$2.00	\$346.00	\$1.60	\$276.80	\$4.00	\$692.00

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ITEM NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
RETAINING WALLS cont.											
*518	Porous Backfill	35	CY	\$115.00	\$4,025.00	\$125.00	\$4,375.00	\$274.00	\$9,590.00	\$103.00	\$3,605.00
*518	4" Perforated Corrugated Plastic Pipe	133	FT	\$22.00	\$2,926.00	\$25.00	\$3,325.00	\$12.00	\$1,596.00	\$5.00	\$665.00
*518	4" Non-Perforated Corrugated Plastic Pipe, Including Specials	67	FT	\$125.00	\$8,375.00	\$25.00	\$1,675.00	\$10.00	\$670.00	\$130.00	\$8,710.00
*610	Retaining Wall, Misc: Modular Block Wall	910	SF	\$70.00	\$63,700.00	\$65.00	\$59,150.00	\$96.00	\$87,360.00	\$75.00	\$68,250.00
MAINTENANCE OF TRAFFIC											
410	Traffic Compacted Surface, Type A or B	150	CY	\$50.00	\$7,500.00	\$48.00	\$7,200.00	\$52.80	\$7,920.00	\$60.00	\$9,000.00
614	Law Enforcement Officer with Patrol Car for Assistance	50	HOUR	\$80.00	\$4,000.00	\$85.00	\$4,250.00	\$75.00	\$3,750.00	\$65.00	\$3,250.00
614	Detour Signing	1	LS	\$5,000.00	\$5,000.00	\$4,825.00	\$4,825.00	\$5,750.00	\$5,750.00	\$5,200.00	\$5,200.00
614	Work Zone Marking Zone	6	EA	\$100.00	\$600.00	\$105.00	\$630.00	\$120.00	\$720.00	\$95.00	\$570.00
614	Asphalt Concrete for Maintaining Traffic	200	CY	\$270.00	\$54,000.00	\$190.00	\$38,000.00	\$250.00	\$50,000.00	\$200.00	\$40,000.00
614	Work Zone Center Line, Class I	0.73	MILE	\$4,900.00	\$3,577.00	\$2,290.00	\$1,671.70	\$5,800.00	\$4,234.00	\$5,100.00	\$3,723.00
614	Work Zone Edge Line, Class 1, 740.06, Type I	1.61	MILE	\$6,200.00	\$9,982.00	\$6,500.00	\$10,465.00	\$5,800.00	\$9,338.00	\$5,100.00	\$8,211.00
614	Work Zone Channelizing Line, Class I, 8"	195	FT	\$5.25	\$1,023.75	\$5.65	\$1,101.75	\$7.00	\$1,365.00	\$5.00	\$975.00
614	Work Zone Stop Line, Class I, 740.06, Type I	14	FT	\$50.00	\$700.00	\$8.50	\$119.00	\$13.00	\$182.00	\$50.00	\$700.00
614	Work Zone Crosswalk Line, Class I	28	FT	\$9.00	\$252.00	\$7.10	\$198.80	\$13.00	\$364.00	\$10.00	\$280.00
614	Work Zone Arrow, Class I	3	EA	\$410.00	\$1,230.00	\$425.00	\$1,275.00	\$60.00	\$180.00	\$50.00	\$150.00
615	Roads for Maintaining Traffic	1	LS	\$50,000.00	\$50,000.00	\$23,218.00	\$23,218.00	\$65,049.00	\$65,049.00	\$59,000.00	\$59,000.00
615	Pavement for Maintaining Traffic, Class B, As Per Plan	2,851	SY	\$70.00	\$199,570.00	\$60.66	\$172,941.66	\$53.00	\$151,103.00	\$51.00	\$145,401.00
616	Water	27	MGAL	\$8.00	\$216.00	\$5.00	\$135.00	\$53.00	\$1,431.00	\$10.00	\$270.00

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ITEM NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
INCIDENTALS											
614	Maintaining Traffic	1	LS	\$50,000.00	\$50,000.00	\$40,000.00	\$40,000.00	\$85,700.00	\$85,700.00	\$89,200.00	\$89,200.00
623	Construction Layout Stakes and Surveying	1	LS	\$30,000.00	\$30,000.00	\$30,500.00	\$30,500.00	\$23,730.00	\$23,730.00	\$10,262.00	\$10,262.00
<i>*624</i>	Mobilization	1	LS	\$60,000.00	\$60,000.00	\$81,030.00	\$81,030.00	\$19,290.00	\$19,290.00	\$84,074.00	\$84,074.00
<i>SPEC</i>	<i>Preconstruction Video</i>	<i>1</i>	<i>LS</i>	\$3,000.00	\$3,000.00	\$3,500.00	\$3,500.00	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00
1001	Premium for Owner's Protective Insurance	1	LS	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1.00	\$1.00	\$1.00	\$1.00
1002	Premium for Contract Performance and Payment Bond	1	LS	\$22,500.00	\$22,500.00	\$25,400.00	\$25,400.00	\$28,396.00	\$28,396.00	\$15,000.00	\$15,000.00
GRAND TOTAL				\$2,859,139.85		\$2,611,169.37		\$2,805,953.00		\$2,849,200.00	