

**ROAD COMMISSION**  
for OAKLAND COUNTY  
INTER-DEPARTMENTAL MEMORANDUM  
ENGINEERING DEPARTMENT

RCOC  
*Approved*  
03/12/2026  
Esshaki / McPherson

**Date:** March 10, 2026

**To:** Samuel Fitzer, P.E., Director of Engineering

**From:** Jeff O'Brien, P.E., Design Engineer *JOB*

**Subject:** Tabulation and Recommendation for Bids received on March 10, 2026.  
#58033 – Walnut Lake Road Resurfacing and Culvert Replacement  
CVT: West Bloomfield Township  
Low Bid Contractor: Angelo Iafrate Construction Company

**Contract Description**

A contract for 1.0 miles of HMA shoulder widening and 2 inch thick overlay including the removal and replacement of a 72 inch by 44 inch CMP arch with a precast 13 foot span by 7 foot box culvert with precast wingwalls. Other associated items of work include guardrail installation, landscaping, permanent signage and pavement markings located in West Bloomfield Township, Oakland County, Michigan.

**Project Funding**

This project is funded by the RCOC.

Engineers Estimate	\$1,723,503.00
Low Bid (March 10, 2026)	\$1,859,110.66

3 bids were received that ranged from \$1,859,110.66 to \$2,209,057.14.

**Bid Recommendation**

The low bid as received on March 10, 2026 is 7.86% more than the engineer's estimate.

Therefore, I recommend the Board **ACCEPT** the proposal of the low bidder, **Angelo Iafrate Construction Company**, in the amount of **\$1,859,110.66** in reference to project #58033; that all other bids be rejected; and that the Board authorize the Managing Director, on behalf of the Board, to execute a contract with **Angelo Iafrate Construction Company**, to construct said project, upon receipt of the necessary bonds, insurance, and all other required documents.

/JOB

<b>Samuel Fitzer</b>	Digitally signed by Samuel Fitzer DN: C=US, E=sfitzer@rcoc.org, O=Road Commission for Oakland County, OU=Engineering, CN=Samuel Fitzer Date: 2026.03.10 12:39:24-04'00'
	<b>Department Review / Approval</b>

DocuSigned by: <i>Gay Prother</i>	
9E5DD0F39861423...	<b>MDU Review / Concur</b>

## Bid Comparison

**Contract ID:** 58033  
**Description:**  
**Location:** Walnut Lake Road Resurfacing and Culvert Replacement  
**Projects(s):** 58033

Rank	Bidder	Total Bid	% Over Low	% Over Est.
0	ENGINEER'S ESTIMATE	\$1,723,503.00	-7.29%	0.00%
1	(00929) Angelo lafrate Construction Company	\$1,859,110.66	0.00%	7.86%
2	(07130) Z Contractors, Inc.	\$2,041,542.54	9.81%	18.45%
3	(01177) Dan's Excavating, Inc.	\$2,209,057.14	18.82%	28.17%

Line	Pay Item Code	Quantity	Units	(0) ENGINEER'S ESTIMATE		(1) Angelo lafrate Construction Company		(2) Z Contractors, Inc.	
				Bid Price	Total	Bid Price	Total	Bid Price	Total
0001	1100001 Mobilization, Max \$160000	1	LSUM	\$160,000.00	\$160,000.00	\$160,000.00	\$160,000.00	\$160,000.00	\$160,000.00
0002	2017011 _ Grubbing, RCOC	950	Syd	\$20.00	\$19,000.00	\$10.20	\$9,690.00	\$10.00	\$9,500.00
0003	2020006 Stump, Rem, 19 inch to 36 inch	4	Ea	\$300.00	\$1,200.00	\$250.00	\$1,000.00	\$250.00	\$1,000.00

Line	Pay Item Code	Quantity	Units	(0) ENGINEER'S ESTIMATE		(1) Angelo lafrate Construction Company		(2) Z Contractors, Inc.	
				Bid Price	Total	Bid Price	Total	Bid Price	Total
0004	2020008	22	Ea	\$150.00	\$3,300.00	\$125.00	\$2,750.00	\$125.00	\$2,750.00
	Stump, Rem, 6 inch to 18 inch								
0005	2030001	3	Ea	\$500.00	\$1,500.00	\$725.00	\$2,175.00	\$565.00	\$1,695.00
	Culv, Rem, Less than 24 inch								
0006	2030003	1	Ea	\$12,500.00	\$12,500.00	\$834.00	\$834.00	\$20,000.00	\$20,000.00
	Culv, Rem, Over 48 inch								
0007	2030007	2	Ea	\$700.00	\$1,400.00	\$331.00	\$662.00	\$700.00	\$1,400.00
	Culv, End, Rem, Over 48 inch								
0008	2030011	1	Ea	\$500.00	\$500.00	\$634.00	\$634.00	\$700.00	\$700.00
	Dr Structure, Rem								
0009	2030015	72	Ft	\$30.00	\$2,160.00	\$17.20	\$1,238.40	\$32.00	\$2,304.00
	Sewer, Rem, Less than 24 inch								
0010	2037001	150	Ft	\$15.00	\$2,250.00	\$5.00	\$750.00	\$16.50	\$2,475.00
	_ Gas Utility, Rem								
0011	2040025	250	Ft	\$10.00	\$2,500.00	\$4.00	\$1,000.00	\$4.00	\$1,000.00
	Fence, Rem								
0012	2040035	410	Ft	\$4.50	\$1,845.00	\$4.00	\$1,640.00	\$4.00	\$1,640.00
	Guardrail, Rem								
0013	2040050	81	Syd	\$15.00	\$1,215.00	\$29.20	\$2,365.20	\$31.00	\$2,511.00
	Pavt, Rem								
0014	2040055	122	Syd	\$15.00	\$1,830.00	\$16.40	\$2,000.80	\$25.00	\$3,050.00
	Sidewalk, Rem								
0015	2047021	20	Cyd	\$75.00	\$1,500.00	\$265.00	\$5,300.00	\$145.00	\$2,900.00
	_ Exploratory Investigation, Utility, RCOC								
0016	2050010	505	Cyd	\$30.00	\$15,150.00	\$11.90	\$6,009.50	\$40.00	\$20,200.00
	Embankment, CIP								
0017	2050015	90	Cyd	\$50.00	\$4,500.00	\$54.00	\$4,860.00	\$40.00	\$3,600.00
	Excavation, Channel								
0018	2050016	430	Cyd	\$25.00	\$10,750.00	\$54.00	\$23,220.00	\$31.00	\$13,330.00
	Excavation, Earth								
0019	2057011	100	Syd	\$25.00	\$2,500.00	\$18.80	\$1,880.00	\$17.00	\$1,700.00
	_ Excavation, Earth, RCOC								

Line	Pay Item Code	Quantity	Units	(0) ENGINEER'S ESTIMATE		(1) Angelo lafrate Construction Company		(2) Z Contractors, Inc.	
				Bid Price	Total	Bid Price	Total	Bid Price	Total
0020	2057021 _ Subgrade Undercutting, 21AA	100	Cyd	\$85.00	\$8,500.00	\$91.00	\$9,100.00	\$100.00	\$10,000.00
0021	2057021 _ Subgrade Undercutting, 3 by 1	100	Cyd	\$75.00	\$7,500.00	\$60.60	\$6,060.00	\$100.00	\$10,000.00
0022	2057021 _ Subgrade Undercutting, 6A	100	Cyd	\$100.00	\$10,000.00	\$104.00	\$10,400.00	\$100.00	\$10,000.00
0023	2060002 Backfill, Structure, CIP	1,172	Cyd	\$50.00	\$58,600.00	\$43.50	\$50,982.00	\$41.00	\$48,052.00
0024	2060010 Excavation, Fdn	1,770	Cyd	\$30.00	\$53,100.00	\$23.40	\$41,418.00	\$29.00	\$51,330.00
0025	2080014 Erosion Control, Filter Bag	2	Ea	\$325.00	\$650.00	\$333.00	\$666.00	\$150.00	\$300.00
0026	2080044 Erosion Control, Turbidity Curtain, Shallow	132	Ft	\$15.00	\$1,980.00	\$5.00	\$660.00	\$13.50	\$1,782.00
0027	2087001 _ Erosion Control, Check Dam, Stone, RCOC	60	Ft	\$25.00	\$1,500.00	\$27.10	\$1,626.00	\$20.00	\$1,200.00
0028	2087001 _ Erosion Control, Silt Fence, RCOC	672	Ft	\$5.00	\$3,360.00	\$3.85	\$2,587.20	\$3.00	\$2,016.00
0029	2087051 _ Maintaining Stream Flow	1	LSUM	\$50,000.00	\$50,000.00	\$78,560.00	\$78,560.00	\$75,000.00	\$75,000.00
0030	3020050 Aggregate Base, Conditioning	1,863	Syd	\$5.00	\$9,315.00	\$19.00	\$35,397.00	\$13.00	\$24,219.00
0031	3027011 _ Aggregate Base, 6 inch, 21AA, RCOC	89	Syd	\$18.00	\$1,602.00	\$26.30	\$2,340.70	\$25.00	\$2,225.00
0032	3027011 _ Aggregate Base, 8 inch, 21AA, RCOC	1,397	Syd	\$22.00	\$30,734.00	\$18.00	\$25,146.00	\$19.00	\$26,543.00
0033	3027021 _ Coarse Aggregate, 3 by 1	60	Cyd	\$75.00	\$4,500.00	\$119.00	\$7,140.00	\$75.00	\$4,500.00
0034	3060020 Maintenance Gravel	50	Ton	\$40.00	\$2,000.00	\$51.90	\$2,595.00	\$50.00	\$2,500.00
0035	3062001 Driveway Maintenance, Residential	2	Ea	\$1,000.00	\$2,000.00	\$280.00	\$560.00	\$400.00	\$800.00

Line	Pay Item Code	Quantity	Units	(0) ENGINEER'S ESTIMATE		(1) Angelo lafrate Construction Company		(2) Z Contractors, Inc.	
				Bid Price	Total	Bid Price	Total	Bid Price	Total
0036	3070200 Trenching	33	Sta	\$500.00	\$16,500.00	\$508.00	\$16,764.00	\$1,500.00	\$49,500.00
0037	3077011 _ Shld, 21AA, 5 Inch	508	Syd	\$20.00	\$10,160.00	\$25.00	\$12,700.00	\$22.00	\$11,176.00
0038	3077011 _ Shld, 21AA, 8 Inch	103	Syd	\$25.00	\$2,575.00	\$30.00	\$3,090.00	\$35.00	\$3,605.00
0039	3087011 _ Geotextile, Separator, Non-Woven, RCOC	210	Syd	\$2.00	\$420.00	\$5.50	\$1,155.00	\$5.00	\$1,050.00
0040	3087011 _ Geotextile, Stabilization, Non-Woven, RCOC	210	Syd	\$3.50	\$735.00	\$5.40	\$1,134.00	\$4.00	\$840.00
0041	3087011 _ Road Grade Biaxial Geogrid, RCOC	500	Syd	\$3.50	\$1,750.00	\$3.70	\$1,850.00	\$5.00	\$2,500.00
0042	4010047 Culv End Sect, Conc, 12 inch	1	Ea	\$1,000.00	\$1,000.00	\$1,048.00	\$1,048.00	\$1,150.00	\$1,150.00
0043	4010048 Culv End Sect, Conc, 15 inch	1	Ea	\$1,100.00	\$1,100.00	\$1,093.00	\$1,093.00	\$1,200.00	\$1,200.00
0044	4010072 Culv End Sect, Footing	2	Ea	\$1,100.00	\$2,200.00	\$840.00	\$1,680.00	\$1,150.00	\$2,300.00
0045	4010094 Culv End Sect, Metal, 12 inch	2	Ea	\$500.00	\$1,000.00	\$483.00	\$966.00	\$475.00	\$950.00
0046	4017001 _ Culv, CI F, CSP, 12 Inch, RCOC	35	Ft	\$75.00	\$2,625.00	\$64.60	\$2,261.00	\$95.00	\$3,325.00
0047	4017001 _ Culv, CL A, CSP, 12 inch, RCOC	51	Ft	\$60.00	\$3,060.00	\$84.62	\$4,315.62	\$95.00	\$4,845.00
0048	4020987 Sewer, CI IV, 12 inch, Tr Det B	54	Ft	\$75.00	\$4,050.00	\$83.30	\$4,498.20	\$110.00	\$5,940.00
0049	4020988 Sewer, CI IV, 15 inch, Tr Det B	53	Ft	\$110.00	\$5,830.00	\$88.40	\$4,685.20	\$115.00	\$6,095.00
0050	4021204 Sewer Tap, 12 inch	2	Ea	\$1,000.00	\$2,000.00	\$208.00	\$416.00	\$415.00	\$830.00
0051	4021205 Sewer Tap, 15 inch	1	Ea	\$750.00	\$750.00	\$387.00	\$387.00	\$425.00	\$425.00

Line	Pay Item Code	Quantity	Units	(0) ENGINEER'S ESTIMATE		(1) Angelo lafrate Construction Company		(2) Z Contractors, Inc.	
				Bid Price	Total	Bid Price	Total	Bid Price	Total
0052	4021260 Trench Undercut and Backfill	25	Cyd	\$80.00	\$2,000.00	\$1.00	\$25.00	\$90.00	\$2,250.00
0053	4021275 Video Taping Sewer and Culv Pipe	100	Ft	\$5.00	\$500.00	\$7.00	\$700.00	\$10.00	\$1,000.00
0054	4030010 Dr Structure Cover, Type B	3	Ea	\$750.00	\$2,250.00	\$824.00	\$2,472.00	\$975.00	\$2,925.00
0055	4030210 Dr Structure, 48 inch dia	3	Ea	\$3,250.00	\$9,750.00	\$3,280.00	\$9,840.00	\$4,100.00	\$12,300.00
0056	4040093 Underdrain Outlet, 6 inch	113	Ft	\$22.00	\$2,486.00	\$17.60	\$1,988.80	\$24.00	\$2,712.00
0057	4040113 Underdrain, Outlet Ending, 6 inch	2	Ea	\$150.00	\$300.00	\$400.00	\$800.00	\$215.00	\$430.00
0058	4047001 _ Underdrain, Fdn, Open-Graded, 6 inch, RCOC	110	Ft	\$12.00	\$1,320.00	\$24.60	\$2,706.00	\$25.00	\$2,750.00
0059	4060005 Culv Bedding, Box Culv	115	Cyd	\$125.00	\$14,375.00	\$119.00	\$13,685.00	\$130.00	\$14,950.00
0060	4067001 _ Culv, Precast Three Sided or Arch 13 Foot by 7 Foot	58	Ft	\$4,500.00	\$261,000.00	\$5,775.00	\$334,950.00	\$7,600.00	\$440,800.00
0061	4067051 _ Culvert Joint Tie Assemblies	1	LSUM	\$10,000.00	\$10,000.00	\$1,386.00	\$1,386.00	\$5,000.00	\$5,000.00
0062	5010002 Cold Milling HMA Surface	9,599	Syd	\$2.50	\$23,997.50	\$5.05	\$48,474.95	\$3.00	\$28,797.00
0063	5010005 HMA Surface, Rem	391	Syd	\$5.00	\$1,955.00	\$9.85	\$3,851.35	\$24.00	\$9,384.00
0064	5010009 Edge Trimming	3,962	Ft	\$3.50	\$13,867.00	\$3.25	\$12,876.50	\$3.00	\$11,886.00
0065	5010025 Hand Patching	643	Ton	\$175.00	\$112,525.00	\$147.00	\$94,521.00	\$150.00	\$96,450.00
0066	5012013 HMA, 3EML	258	Ton	\$140.00	\$36,120.00	\$139.00	\$35,862.00	\$140.00	\$36,120.00
0067	5012037 HMA, 5EML	2,124	Ton	\$130.00	\$276,120.00	\$122.00	\$259,128.00	\$120.00	\$254,880.00

Line	Pay Item Code	Quantity	Units	(0) ENGINEER'S ESTIMATE		(1) Angelo lafrate Construction Company		(2) Z Contractors, Inc.	
				Bid Price	Total	Bid Price	Total	Bid Price	Total
0068	5017031 _ HMA Approach (Residential)	8	Ton	\$175.00	\$1,400.00	\$300.00	\$2,400.00	\$350.00	\$2,800.00
0069	5017051 _ Pavt, Cleaning, RCOC	1	LSUM	\$5,000.00	\$5,000.00	\$4,000.00	\$4,000.00	\$5,000.00	\$5,000.00
0070	7067051 _ Precast Wingwalls, Furn and Erect	1	LSUM	\$110,000.00	\$110,000.00	\$228,470.00	\$228,470.00	\$235,000.00	\$235,000.00
0071	7100001 Joint Waterproofing	150	Sft	\$20.00	\$3,000.00	\$13.20	\$1,980.00	\$5.00	\$750.00
0072	7127010 _ Silane Treatment	200	Sft	\$10.00	\$2,000.00	\$17.10	\$3,420.00	\$5.00	\$1,000.00
0073	7127011 _ Culvert Waterproofing Membrane	225	Syd	\$50.00	\$11,250.00	\$32.40	\$7,290.00	\$80.70	\$18,157.50
0074	8010005 Driveway, Nonreinf Conc, 6 inch	55	Syd	\$65.00	\$3,575.00	\$77.90	\$4,284.50	\$65.00	\$3,575.00
0075	8030046 Sidewalk, Conc, 6 inch	1,156	Sft	\$8.00	\$9,248.00	\$8.50	\$9,826.00	\$8.00	\$9,248.00
0076	8070050 Guardrail Departing Terminal, Type B	1	Ea	\$1,250.00	\$1,250.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00
0077	8070080 Guardrail Reflector	20	Ea	\$10.00	\$200.00	\$10.00	\$200.00	\$10.00	\$200.00
0078	8070095 Post, Mailbox	1	Ea	\$225.00	\$225.00	\$200.00	\$200.00	\$150.00	\$150.00
0079	8072123 Guardrail, Long Span, Det MGS-3	2	Ea	\$4,000.00	\$8,000.00	\$2,400.00	\$4,800.00	\$2,400.00	\$4,800.00
0080	8072154 Guardrail, Curved, Type B-CRT	11	Ft	\$50.00	\$550.00	\$32.00	\$352.00	\$32.00	\$352.00
0081	8072179 Guardrail, Type MGS-8, 72 inch Post	273	Ft	\$27.50	\$7,507.50	\$32.00	\$8,736.00	\$32.00	\$8,736.00
0082	8077050 _ Guardrail Approach Terminal, Type 2M, MSKT	3	Ea	\$4,000.00	\$12,000.00	\$4,000.00	\$12,000.00	\$4,000.00	\$12,000.00
0083	8080007 Fence, Protective	55	Ft	\$20.00	\$1,100.00	\$12.00	\$660.00	\$12.00	\$660.00

Line	Pay Item Code	Quantity	Units	(0) ENGINEER'S ESTIMATE		(1) Angelo lafrate Construction Company		(2) Z Contractors, Inc.	
				Bid Price	Total	Bid Price	Total	Bid Price	Total
0084	8080013	255	Ft	\$25.00	\$6,375.00	\$28.00	\$7,140.00	\$28.00	\$7,140.00
	Fence, Chain Link, 72 inch								
0085	8100371	56	Ft	\$10.00	\$560.00	\$11.00	\$616.00	\$11.00	\$616.00
	Post, Steel, 3 pound								
0086	8100403	12	Ea	\$15.00	\$180.00	\$10.00	\$120.00	\$10.00	\$120.00
	Sign, Type III, Rem								
0087	8100404	2	Sft	\$41.00	\$82.00	\$25.00	\$50.00	\$25.00	\$50.00
	Sign, Type IIIA								
0088	8100405	29	Sft	\$20.00	\$580.00	\$20.00	\$580.00	\$20.00	\$580.00
	Sign, Type IIIB								
0089	8102010	8	Ea	\$15.00	\$120.00	\$10.00	\$80.00	\$10.00	\$80.00
	Ground Mtd Sign Support, Rem								
0090	8110024	270	Ft	\$3.50	\$945.00	\$4.50	\$1,215.00	\$4.50	\$1,215.00
	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk								
0091	8110040	80	Ft	\$7.50	\$600.00	\$9.00	\$720.00	\$9.00	\$720.00
	Pavt Mrkg, Ovly Cold Plastic, 12 inch, Cross Hatching, Yellow								
0092	8110044	120	Ft	\$20.00	\$2,400.00	\$18.00	\$2,160.00	\$18.00	\$2,160.00
	Pavt Mrkg, Ovly Cold Plastic, 18 inch, Stop Bar								
0093	8110063	4	Ea	\$400.00	\$1,600.00	\$250.00	\$1,000.00	\$250.00	\$1,000.00
	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym								
0094	8110071	2	Ea	\$400.00	\$800.00	\$250.00	\$500.00	\$250.00	\$500.00
	Pavt Mrkg, Ovly Cold Plastic, Rt Turn Arrow Sym								
0095	8110074	2	Ea	\$625.00	\$1,250.00	\$295.00	\$590.00	\$295.00	\$590.00
	Pavt Mrkg, Ovly Cold Plastic, School								
0096	8117001	11,400	Ft	\$1.50	\$17,100.00	\$0.55	\$6,270.00	\$0.55	\$6,270.00
	_ Pavt Mrkg, Sprayable Thermopl, 4 inch, Yellow, RCOC								
0097	8117001	8,200	Ft	\$2.00	\$16,400.00	\$0.65	\$5,330.00	\$0.65	\$5,330.00
	_ Pavt Mrkg, Sprayable Thermopl, 6 inch, White, RCOC								
0098	8120012	13	Ea	\$65.00	\$845.00	\$80.00	\$1,040.00	\$80.00	\$1,040.00
	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn								

Line	Pay Item Code	Description	Quantity	Units	(0) ENGINEER'S ESTIMATE		(1) Angelo lafrate Construction Company		(2) Z Contractors, Inc.	
					Bid Price	Total	Bid Price	Total	Bid Price	Total
0099	8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	13	Ea	\$5.00	\$65.00	\$0.01	\$0.13	\$0.01	\$0.13
0100	8120026	Pedestrian Type II Barricade, Temp	4	Ea	\$50.00	\$200.00	\$95.00	\$380.00	\$95.00	\$380.00
0101	8120035	Channelizing Device, 42 inch, Fluorescent, Furn	75	Ea	\$15.00	\$1,125.00	\$22.00	\$1,650.00	\$22.00	\$1,650.00
0102	8120036	Channelizing Device, 42 inch, Fluorescent, Oper	75	Ea	\$1.00	\$75.00	\$0.01	\$0.75	\$0.01	\$0.75
0103	8120140	Lighted Arrow, Type C, Furn	2	Ea	\$500.00	\$1,000.00	\$500.00	\$1,000.00	\$500.00	\$1,000.00
0104	8120141	Lighted Arrow, Type C, Oper	2	Ea	\$50.00	\$100.00	\$0.01	\$0.02	\$0.01	\$0.02
0105	8120170	Minor Traf Devices	1	LSUM	\$52,900.00	\$52,900.00	\$35,500.00	\$35,500.00	\$63,650.00	\$63,650.00
0106	8120245	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	100	Ft	\$2.50	\$250.00	\$9.50	\$950.00	\$5.00	\$500.00
0107	8120246	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	1,000	Ft	\$2.50	\$2,500.00	\$6.25	\$6,250.00	\$5.00	\$5,000.00
0108	8120252	Plastic Drum, Fluorescent, Furn	50	Ea	\$20.00	\$1,000.00	\$25.00	\$1,250.00	\$25.00	\$1,250.00
0109	8120253	Plastic Drum, Fluorescent, Oper	50	Ea	\$1.00	\$50.00	\$0.01	\$0.50	\$0.01	\$0.50
0110	8120330	Sign, Portable, Changeable Message, Furn	2	Ea	\$2,500.00	\$5,000.00	\$4,000.00	\$8,000.00	\$4,000.00	\$8,000.00
0111	8120331	Sign, Portable, Changeable Message, Oper	2	Ea	\$200.00	\$400.00	\$0.01	\$0.02	\$0.01	\$0.02
0112	8120350	Sign, Type B, Temp, Prismatic, Furn	842	Sft	\$4.00	\$3,368.00	\$6.00	\$5,052.00	\$6.00	\$5,052.00
0113	8120351	Sign, Type B, Temp, Prismatic, Oper	842	Sft	\$0.50	\$421.00	\$0.01	\$8.42	\$0.01	\$8.42

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0114	8120352	320	Sft	\$6.00	\$1,920.00	\$6.00	\$1,920.00	\$6.00	\$1,920.00
	Sign, Type B, Temp, Prismatic, Spec, Furn								
0115	8120353	320	Sft	\$0.50	\$160.00	\$0.01	\$3.20	\$0.01	\$3.20
	Sign, Type B, Temp, Prismatic, Spec, Oper								
0116	8120370	1	LSUM	\$26,500.00	\$26,500.00	\$18,080.00	\$18,080.00	\$1,100.00	\$1,100.00
	Traf Regulator Control								
0117	8137011	188	Syd	\$125.00	\$23,500.00	\$129.00	\$24,252.00	\$140.00	\$26,320.00
	_ Riprap, In-Stream, CI I, RCOC								
0118	8137011	81	Syd	\$125.00	\$10,125.00	\$73.90	\$5,985.90	\$130.00	\$10,530.00
	_ Riprap, Plain, RCOC								
0119	8150001	1	LSUM	\$10,000.00	\$10,000.00	\$8,000.00	\$8,000.00	\$1,500.00	\$1,500.00
	Site Preparation, Max \$10000								
0120	8150002	1	LSUM	\$5,000.00	\$5,000.00	\$2,500.00	\$2,500.00	\$2,000.00	\$2,000.00
	Watering and Cultivating, First Season, Min \$1200								
0121	8150003	1	LSUM	\$5,000.00	\$5,000.00	\$2,500.00	\$2,500.00	\$2,400.00	\$2,400.00
	Watering and Cultivating, 2nd Season, Min \$1200								
0122	8167011	234	Syd	\$8.00	\$1,872.00	\$9.50	\$2,223.00	\$12.00	\$2,808.00
	_ Turf Establishment, ES Seed, Spec Mulch, Performance, RCOC								
0123	8167011	3,158	Syd	\$8.00	\$25,264.00	\$8.10	\$25,579.80	\$8.50	\$26,843.00
	_ Turf Establishment, TUF Seed, Regular Mulch, Performance, RCOC								
0124	8167050	27	Ea	\$8.00	\$216.00	\$80.00	\$2,160.00	\$150.00	\$4,050.00
	_ Cornus stolonifera 'Red-osier Dogwood', 5 gallon								
0125	8167050	11	Ea	\$8.00	\$88.00	\$80.00	\$880.00	\$150.00	\$1,650.00
	_ Viburnum Dentatum 'Arrowwood Viburnum', 5 gallon								
0126	8507001	100	Ft	\$20.00	\$2,000.00	\$11.50	\$1,150.00	\$10.00	\$1,000.00
	_ Sprinkler Line								
0127	8507050	10	Ea	\$100.00	\$1,000.00	\$74.90	\$749.00	\$50.00	\$500.00
	_ Sprinkler Head, Relocate								
0128	8507050	10	Ea	\$100.00	\$1,000.00	\$150.00	\$1,500.00	\$100.00	\$1,000.00
	_ Sprinkler Head, Replace								

Line	Pay Item Code	Quantity	Units	(0) ENGINEER'S ESTIMATE		(1) Angelo lafrate Construction Company		(2) Z Contractors, Inc.	
				Bid Price	Total	Bid Price	Total	Bid Price	Total
<b>Bid Totals:</b>					<b>\$1,723,503.00</b>		<b>\$1,859,110.66</b>		<b>\$2,041,542.54</b>

Line	Pay Item Code	Quantity	Units	(3) Dan's Excavating, Inc.		Bid Price	Total	Bid Price	Total	Bid Price	Total
				Bid Price	Total						
0001	1100001	1	LSUM	\$160,000.00	\$160,000.00			\$0.00		\$0.00	
	Mobilization, Max \$160000										
0002	2017011	950	Syd	\$6.52	\$6,194.00			\$0.00		\$0.00	
	_ Grubbing, RCOC										
0003	2020006	4	Ea	\$250.00	\$1,000.00			\$0.00		\$0.00	
	Stump, Rem, 19 inch to 36 inch										
0004	2020008	22	Ea	\$125.00	\$2,750.00			\$0.00		\$0.00	
	Stump, Rem, 6 inch to 18 inch										
0005	2030001	3	Ea	\$584.11	\$1,752.33			\$0.00		\$0.00	
	Culv, Rem, Less than 24 inch										
0006	2030003	1	Ea	\$95,500.00	\$95,500.00			\$0.00		\$0.00	
	Culv, Rem, Over 48 inch										
0007	2030007	2	Ea	\$17,500.00	\$35,000.00			\$0.00		\$0.00	
	Culv, End, Rem, Over 48 inch										
0008	2030011	1	Ea	\$359.97	\$359.97			\$0.00		\$0.00	
	Dr Structure, Rem										
0009	2030015	72	Ft	\$24.54	\$1,766.88			\$0.00		\$0.00	
	Sewer, Rem, Less than 24 inch										
0010	2037001	150	Ft	\$14.39	\$2,158.50			\$0.00		\$0.00	
	_ Gas Utility, Rem										
0011	2040025	250	Ft	\$4.00	\$1,000.00			\$0.00		\$0.00	
	Fence, Rem										
0012	2040035	410	Ft	\$4.00	\$1,640.00			\$0.00		\$0.00	
	Guardrail, Rem										
0013	2040050	81	Syd	\$18.62	\$1,508.22			\$0.00		\$0.00	
	Pavt, Rem										
0014	2040055	122	Syd	\$16.85	\$2,055.70			\$0.00		\$0.00	
	Sidewalk, Rem										
0015	2047021	20	Cyd	\$55.39	\$1,107.80			\$0.00		\$0.00	
	_ Exploratory Investigation, Utility, RCOC										
0016	2050010	505	Cyd	\$14.50	\$7,322.50			\$0.00		\$0.00	
	Embankment, CIP										

Line	Pay Item Code	Quantity	Units	(3) Dan's Excavating, Inc.		Bid Price	Total	Bid Price	Total	Bid Price	Total
				Bid Price	Total						
0017	2050015	90	Cyd	\$30.98	\$2,788.20			\$0.00		\$0.00	
	Excavation, Channel										
0018	2050016	430	Cyd	\$34.45	\$14,813.50			\$0.00		\$0.00	
	Excavation, Earth										
0019	2057011	100	Syd	\$14.51	\$1,451.00			\$0.00		\$0.00	
	_ Excavation, Earth, RCOC										
0020	2057021	100	Cyd	\$66.70	\$6,670.00			\$0.00		\$0.00	
	_ Subgrade Undercutting, 21AA										
0021	2057021	100	Cyd	\$74.12	\$7,412.00			\$0.00		\$0.00	
	_ Subgrade Undercutting, 3 by 1										
0022	2057021	100	Cyd	\$72.22	\$7,222.00			\$0.00		\$0.00	
	_ Subgrade Undercutting, 6A										
0023	2060002	1,172	Cyd	\$36.00	\$42,192.00			\$0.00		\$0.00	
	Backfill, Structure, CIP										
0024	2060010	1,770	Cyd	\$30.98	\$54,834.60			\$0.00		\$0.00	
	Excavation, Fdn										
0025	2080014	2	Ea	\$208.20	\$416.40			\$0.00		\$0.00	
	Erosion Control, Filter Bag										
0026	2080044	132	Ft	\$19.32	\$2,550.24			\$0.00		\$0.00	
	Erosion Control, Turbidity Curtain, Shallow										
0027	2087001	60	Ft	\$17.96	\$1,077.60			\$0.00		\$0.00	
	_ Erosion Control, Check Dam, Stone, RCOC										
0028	2087001	672	Ft	\$4.58	\$3,077.76			\$0.00		\$0.00	
	_ Erosion Control, Silt Fence, RCOC										
0029	2087051	1	LSUM	\$77,000.00	\$77,000.00			\$0.00		\$0.00	
	_ Maintaining Stream Flow										
0030	3020050	1,863	Syd	\$6.80	\$12,668.40			\$0.00		\$0.00	
	Aggregate Base, Conditioning										
0031	3027011	89	Syd	\$16.89	\$1,503.21			\$0.00		\$0.00	
	_ Aggregate Base, 6 inch, 21AA, RCOC										
0032	3027011	1,397	Syd	\$17.17	\$23,986.49			\$0.00		\$0.00	
	_ Aggregate Base, 8 inch, 21AA, RCOC										

Line	Pay Item Code	Quantity	Units	(3) Dan's Excavating, Inc.		Bid Price	Total	Bid Price	Total	Bid Price	Total
				Bid Price	Total						
0033	3027021	60	Cyd	\$74.12	\$4,447.20			\$0.00		\$0.00	
	_ Coarse Aggregate, 3 by 1										
0034	3060020	50	Ton	\$27.25	\$1,362.50			\$0.00		\$0.00	
	Maintenance Gravel										
0035	3062001	2	Ea	\$446.53	\$893.06			\$0.00		\$0.00	
	Driveway Maintenance, Residential										
0036	3070200	33	Sta	\$442.54	\$14,603.82			\$0.00		\$0.00	
	Trenching										
0037	3077011	508	Syd	\$13.18	\$6,695.44			\$0.00		\$0.00	
	_ Shld, 21AA, 5 Inch										
0038	3077011	103	Syd	\$23.85	\$2,456.55			\$0.00		\$0.00	
	_ Shld, 21AA, 8 Inch										
0039	3087011	210	Syd	\$4.20	\$882.00			\$0.00		\$0.00	
	_ Geotextile, Separator, Non-Woven, RCOC										
0040	3087011	210	Syd	\$4.20	\$882.00			\$0.00		\$0.00	
	_ Geotextile, Stabilization, Non-Woven, RCOC										
0041	3087011	500	Syd	\$3.56	\$1,780.00			\$0.00		\$0.00	
	_ Road Grade Biaxial Geogrid, RCOC										
0042	4010047	1	Ea	\$988.31	\$988.31			\$0.00		\$0.00	
	Culv End Sect, Conc, 12 inch										
0043	4010048	1	Ea	\$1,025.41	\$1,025.41			\$0.00		\$0.00	
	Culv End Sect, Conc, 15 inch										
0044	4010072	2	Ea	\$1,453.67	\$2,907.34			\$0.00		\$0.00	
	Culv End Sect, Footing										
0045	4010094	2	Ea	\$431.30	\$862.60			\$0.00		\$0.00	
	Culv End Sect, Metal, 12 inch										
0046	4017001	35	Ft	\$106.20	\$3,717.00			\$0.00		\$0.00	
	_ Culv, CI F, CSP, 12 Inch, RCOC										
0047	4017001	51	Ft	\$106.98	\$5,455.98			\$0.00		\$0.00	
	_ Culv, CL A, CSP, 12 inch, RCOC										
0048	4020987	54	Ft	\$107.22	\$5,789.88			\$0.00		\$0.00	
	Sewer, CI IV, 12 inch, Tr Det B										

Line	Pay Item Code	Description	Quantity	Units	(3) Dan's Excavating, Inc.		Bid Price	Total	Bid Price	Total	Bid Price	Total
					Bid Price	Total						
0049	4020988	Sewer, CI IV, 15 inch, Tr Det B	53	Ft	\$112.43	\$5,958.79			\$0.00		\$0.00	
0050	4021204	Sewer Tap, 12 inch	2	Ea	\$1,757.52	\$3,515.04			\$0.00		\$0.00	
0051	4021205	Sewer Tap, 15 inch	1	Ea	\$1,757.52	\$1,757.52			\$0.00		\$0.00	
0052	4021260	Trench Undercut and Backfill	25	Cyd	\$62.65	\$1,566.25			\$0.00		\$0.00	
0053	4021275	Video Taping Sewer and Culv Pipe	100	Ft	\$10.00	\$1,000.00			\$0.00		\$0.00	
0054	4030010	Dr Structure Cover, Type B	3	Ea	\$662.17	\$1,986.51			\$0.00		\$0.00	
0055	4030210	Dr Structure, 48 inch dia	3	Ea	\$3,206.76	\$9,620.28			\$0.00		\$0.00	
0056	4040093	Underdrain Outlet, 6 inch	113	Ft	\$17.92	\$2,024.96			\$0.00		\$0.00	
0057	4040113	Underdrain, Outlet Ending, 6 inch	2	Ea	\$423.64	\$847.28			\$0.00		\$0.00	
0058	4047001	_ Underdrain, Fdn, Open-Graded, 6 inch, RCOC	110	Ft	\$30.30	\$3,333.00			\$0.00		\$0.00	
0059	4060005	Culv Bedding, Box Culv	115	Cyd	\$104.19	\$11,981.85			\$0.00		\$0.00	
0060	4067001	_ Culv, Precast Three Sided or Arch 13 Foot by 7 Foot	58	Ft	\$7,684.97	\$445,728.26			\$0.00		\$0.00	
0061	4067051	_ Culvert Joint Tie Assemblies	1	LSUM	\$15,230.20	\$15,230.20			\$0.00		\$0.00	
0062	5010002	Cold Milling HMA Surface	9,599	Syd	\$2.50	\$23,997.50			\$0.00		\$0.00	
0063	5010005	HMA Surface, Rem	391	Syd	\$9.25	\$3,616.75			\$0.00		\$0.00	
0064	5010009	Edge Trimming	3,962	Ft	\$6.00	\$23,772.00			\$0.00		\$0.00	

Line	Pay Item Code	Description	Quantity	Units	(3) Dan's Excavating, Inc.		Bid Price	Total	Bid Price	Total	Bid Price	Total
					Bid Price	Total						
0065	5010025	Hand Patching	643	Ton	\$125.00	\$80,375.00			\$0.00		\$0.00	
0066	5012013	HMA, 3EML	258	Ton	\$125.00	\$32,250.00			\$0.00		\$0.00	
0067	5012037	HMA, 5EML	2,124	Ton	\$125.00	\$265,500.00			\$0.00		\$0.00	
0068	5017031	_ HMA Approach (Residential)	8	Ton	\$350.00	\$2,800.00			\$0.00		\$0.00	
0069	5017051	_ Pavt, Cleaning, RCOC	1	LSUM	\$5,000.00	\$5,000.00			\$0.00		\$0.00	
0070	7067051	_ Precast Wingwalls, Furn and Erect	1	LSUM	\$330,215.68	\$330,215.68			\$0.00		\$0.00	
0071	7100001	Joint Waterproofing	150	Sft	\$10.25	\$1,537.50			\$0.00		\$0.00	
0072	7127010	_ Silane Treatment	200	Sft	\$14.50	\$2,900.00			\$0.00		\$0.00	
0073	7127011	_ Culvert Waterproofing Membrane	225	Syd	\$20.04	\$4,509.00			\$0.00		\$0.00	
0074	8010005	Driveway, Nonreinf Conc, 6 inch	55	Syd	\$65.00	\$3,575.00			\$0.00		\$0.00	
0075	8030046	Sidewalk, Conc, 6 inch	1,156	Sft	\$8.00	\$9,248.00			\$0.00		\$0.00	
0076	8070050	Guardrail Departing Terminal, Type B	1	Ea	\$1,000.00	\$1,000.00			\$0.00		\$0.00	
0077	8070080	Guardrail Reflector	20	Ea	\$10.00	\$200.00			\$0.00		\$0.00	
0078	8070095	Post, Mailbox	1	Ea	\$249.34	\$249.34			\$0.00		\$0.00	
0079	8072123	Guardrail, Long Span, Det MGS-3	2	Ea	\$2,400.00	\$4,800.00			\$0.00		\$0.00	
0080	8072154	Guardrail, Curved, Type B-CRT	11	Ft	\$32.00	\$352.00			\$0.00		\$0.00	

Line	Pay Item Code	Quantity	Units	(3) Dan's Excavating, Inc.		Bid Price	Total	Bid Price	Total	Bid Price	Total
				Bid Price	Total						
0081	8072179	273	Ft	\$32.00	\$8,736.00			\$0.00		\$0.00	
	Guardrail, Type MGS-8, 72 inch Post										
0082	8077050	3	Ea	\$4,000.00	\$12,000.00			\$0.00		\$0.00	
	_ Guardrail Approach Terminal, Type 2M, MSKT										
0083	8080007	55	Ft	\$12.00	\$660.00			\$0.00		\$0.00	
	Fence, Protective										
0084	8080013	255	Ft	\$28.00	\$7,140.00			\$0.00		\$0.00	
	Fence, Chain Link, 72 inch										
0085	8100371	56	Ft	\$11.00	\$616.00			\$0.00		\$0.00	
	Post, Steel, 3 pound										
0086	8100403	12	Ea	\$10.00	\$120.00			\$0.00		\$0.00	
	Sign, Type III, Rem										
0087	8100404	2	Sft	\$25.00	\$50.00			\$0.00		\$0.00	
	Sign, Type IIIA										
0088	8100405	29	Sft	\$20.00	\$580.00			\$0.00		\$0.00	
	Sign, Type IIIB										
0089	8102010	8	Ea	\$10.00	\$80.00			\$0.00		\$0.00	
	Ground Mtd Sign Support, Rem										
0090	8110024	270	Ft	\$4.50	\$1,215.00			\$0.00		\$0.00	
	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk										
0091	8110040	80	Ft	\$9.00	\$720.00			\$0.00		\$0.00	
	Pavt Mrkg, Ovly Cold Plastic, 12 inch, Cross Hatching, Yellow										
0092	8110044	120	Ft	\$18.00	\$2,160.00			\$0.00		\$0.00	
	Pavt Mrkg, Ovly Cold Plastic, 18 inch, Stop Bar										
0093	8110063	4	Ea	\$250.00	\$1,000.00			\$0.00		\$0.00	
	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym										
0094	8110071	2	Ea	\$250.00	\$500.00			\$0.00		\$0.00	
	Pavt Mrkg, Ovly Cold Plastic, Rt Turn Arrow Sym										
0095	8110074	2	Ea	\$295.00	\$590.00			\$0.00		\$0.00	
	Pavt Mrkg, Ovly Cold Plastic, School										
0096	8117001	11,400	Ft	\$0.55	\$6,270.00			\$0.00		\$0.00	
	_ Pavt Mrkg, Sprayable Thermopl, 4 inch, Yellow, RCOC										

Line	Pay Item Code	Quantity	Units	(3) Dan's Excavating, Inc.					
Description				Bid Price	Total	Bid Price	Total	Bid Price	Total
0097	8117001	8,200	Ft	\$0.65	\$5,330.00		\$0.00		\$0.00
_ Pavt Mrkg, Sprayable Thermopl, 6 inch, White, RCOC									
0098	8120012	13	Ea	\$80.00	\$1,040.00		\$0.00		\$0.00
Barricade, Type III, High Intensity, Double Sided, Lighted, Furn									
0099	8120013	13	Ea	\$0.01	\$0.13		\$0.00		\$0.00
Barricade, Type III, High Intensity, Double Sided, Lighted, Oper									
0100	8120026	4	Ea	\$95.00	\$380.00		\$0.00		\$0.00
Pedestrian Type II Barricade, Temp									
0101	8120035	75	Ea	\$22.00	\$1,650.00		\$0.00		\$0.00
Channelizing Device, 42 inch, Fluorescent, Furn									
0102	8120036	75	Ea	\$0.01	\$0.75		\$0.00		\$0.00
Channelizing Device, 42 inch, Fluorescent, Oper									
0103	8120140	2	Ea	\$500.00	\$1,000.00		\$0.00		\$0.00
Lighted Arrow, Type C, Furn									
0104	8120141	2	Ea	\$0.01	\$0.02		\$0.00		\$0.00
Lighted Arrow, Type C, Oper									
0105	8120170	1	LSUM	\$89,500.00	\$89,500.00		\$0.00		\$0.00
Minor Traf Devices									
0106	8120245	100	Ft	\$3.00	\$300.00		\$0.00		\$0.00
Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp									
0107	8120246	1,000	Ft	\$3.00	\$3,000.00		\$0.00		\$0.00
Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp									
0108	8120252	50	Ea	\$25.00	\$1,250.00		\$0.00		\$0.00
Plastic Drum, Fluorescent, Furn									
0109	8120253	50	Ea	\$0.01	\$0.50		\$0.00		\$0.00
Plastic Drum, Fluorescent, Oper									
0110	8120330	2	Ea	\$4,000.00	\$8,000.00		\$0.00		\$0.00
Sign, Portable, Changeable Message, Furn									
0111	8120331	2	Ea	\$0.01	\$0.02		\$0.00		\$0.00
Sign, Portable, Changeable Message, Oper									

Line	Pay Item Code	Quantity	Units	(3) Dan's Excavating, Inc.		Bid Price	Total	Bid Price	Total	Bid Price	Total
				Bid Price	Total						
0112	8120350	842	Sft	\$6.00	\$5,052.00			\$0.00		\$0.00	
	Sign, Type B, Temp, Prismatic, Furn										
0113	8120351	842	Sft	\$0.01	\$8.42			\$0.00		\$0.00	
	Sign, Type B, Temp, Prismatic, Oper										
0114	8120352	320	Sft	\$6.00	\$1,920.00			\$0.00		\$0.00	
	Sign, Type B, Temp, Prismatic, Spec, Furn										
0115	8120353	320	Sft	\$0.01	\$3.20			\$0.00		\$0.00	
	Sign, Type B, Temp, Prismatic, Spec, Oper										
0116	8120370	1	LSUM	\$25,000.00	\$25,000.00			\$0.00		\$0.00	
	Traf Regulator Control										
0117	8137011	188	Syd	\$91.20	\$17,145.60			\$0.00		\$0.00	
	_ Riprap, In-Stream, CI I, RCOC										
0118	8137011	81	Syd	\$83.00	\$6,723.00			\$0.00		\$0.00	
	_ Riprap, Plain, RCOC										
0119	8150001	1	LSUM	\$1,500.00	\$1,500.00			\$0.00		\$0.00	
	Site Preparation, Max \$10000										
0120	8150002	1	LSUM	\$2,000.00	\$2,000.00			\$0.00		\$0.00	
	Watering and Cultivating, First Season, Min \$1200										
0121	8150003	1	LSUM	\$2,400.00	\$2,400.00			\$0.00		\$0.00	
	Watering and Cultivating, 2nd Season, Min \$1200										
0122	8167011	234	Syd	\$17.98	\$4,207.32			\$0.00		\$0.00	
	_ Turf Establishment, ES Seed, Spec Mulch, Performance, RCOC										
0123	8167011	3,158	Syd	\$14.26	\$45,033.08			\$0.00		\$0.00	
	_ Turf Establishment, TUF Seed, Regular Mulch, Performance, RCOC										
0124	8167050	27	Ea	\$150.00	\$4,050.00			\$0.00		\$0.00	
	_ Cornus stolonifera 'Red-osier Dogwood', 5 gallon										
0125	8167050	11	Ea	\$150.00	\$1,650.00			\$0.00		\$0.00	
	_ Viburnum Dentatum 'Arrowwood Viburnum', 5 gallon										
0126	8507001	100	Ft	\$10.00	\$1,000.00			\$0.00		\$0.00	
	_ Sprinkler Line										

Line	Pay Item Code	Quantity	Units	(3) Dan's Excavating, Inc.		Bid Price	Total	Bid Price	Total
				Bid Price	Total				
0127	8507050	10	Ea	\$50.00	\$500.00				
	_ Sprinkler Head, Relocate								
0128	8507050	10	Ea	\$100.00	\$1,000.00				
	_ Sprinkler Head, Replace								
<b>Bid Totals:</b>					<b>\$2,209,057.14</b>				