| CITY OF | Rochester hills |  |  |  |  |  | bulation |  |  |  |  |
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| DEPART | ment of public services / engineering services |  |  |  |  | 20 HMA ROA | Habilitation Pr | AM |  |  |  |
| 1000 | OCHESTER HILLS DRIVE |  |  |  |  |  |  |  |  |  |  |
| ROCHE | TER HILLS, MICHIGAN 48309 |  |  |  |  |  | \#E20-002 |  |  |  |  |
| BID OP | NING DATE: 3:00 P.M. Tuesday, February 25, 2020 |  |  |  |  | Pro-Li | phalt | Florence Cer | Company | Alax Paving | stries, Inc. |
| BL | N ${ }^{\text {a }}$ DATE: 3:00 P.M. Tuesday, February 25, 2020 |  |  |  |  | 11797 | Nile Rd. | 51515 | idor | $195$ |  |
| Part A: | Local \& Major Streets: Various Locations |  |  |  |  | Washingt | 148095 | Shelby Tw | 48315 | Troy, | 084 |
| Item |  |  |  | Unit |  | Unit |  | Unit |  | Unit |  |
| No. | Description | Quantity | Unit | Price | Total | Price | Total | Price | Total | Price | Total |
| 1 | Cold Milling HMA Suface | 43,000 | Square Yard | \$2.50 | \$107,500.00 | \$3.00 | \$129,000.00 | \$2.65 | \$113,950.00 | \$3.00 | \$129,000.00 |
| 2 | HMA Surface, Rem | 8,650 | Square Yard | \$7.00 | \$60,550.00 | \$3.00 | \$25,950.00 | \$2.75 | \$23,787.50 | \$4.00 | \$34,600.00 |
| 3 | Concrete Surface, Rem | 1,000 | Square Yard | \$15.00 | \$15,000.00 | \$2.00 | \$2,000.00 | \$14.30 | \$14,300.00 | \$6.50 | \$6,500.00 |
| 4 | Conc Curb \& Gutter, Rem | 1,300 | Foot | \$9.00 | \$11,700.00 | \$5.00 | \$6,500.00 | \$21.40 | \$27,820.00 | \$13.00 | \$16,900.00 |
| 5 | Conc Driveway, Rem | 30 | Square Yard | \$15.00 | \$450.00 | \$25.00 | \$750.00 | \$17.50 | \$525.00 | \$12.00 | \$360.00 |
| 6 | HMA Driveway, Rem | 220 | Square Yard | \$12.00 | \$2,640.00 | \$10.00 | \$2,200.00 | \$18.70 | \$4,114.00 | \$10.00 | \$2,200.00 |
| 7 | Culv, CI A, CSP, 12 inch | 500 | Foot | \$50.00 | \$25,000.00 | \$50.00 | \$25,000.00 | \$54.25 | \$27,125.00 | \$68.50 | \$34,250.00 |
| 8 | Culv, CI A, CSP, 18 inch | 10 | Foot | \$50.00 | \$500.00 | \$100.00 | \$1,000.00 | \$85.60 | \$856.00 | \$114.00 | \$1,140.00 |
| 9 | End Section, CSP, 12 inch(as needed) | 6 | Each | \$200.00 | \$1,200.00 | \$250.00 | \$1,500.00 | \$394.00 | \$2,364.00 | \$425.00 | \$2,550.00 |
| 10 | Regrade Ditch (If Necessary) | 300 | Foot | \$6.00 | \$1,800.00 | \$16.00 | \$4,800.00 | \$16.45 | \$4,935.00 | \$12.00 | \$3,600.00 |
| 11 | Drainage Structure, Temporary Lowering | 12 | Each | \$300.00 | \$3,600.00 | \$450.00 | \$5,400.00 | \$472.50 | \$5,670.00 | \$370.00 | \$4,440.00 |
| 12 | Manhole Cover, Collar | 12 | Each | \$300.00 | \$3,600.00 | \$550.00 | \$6,600.00 | \$1,585.50 | \$19,026.00 | \$1,800.00 | \$21,600.00 |
| 13 | Utility Structure, Adjust w/ EJ Riser Rings | 4 | Each | \$250.00 | \$1,000.00 | \$300.00 | \$1,200.00 | \$351.40 | \$1,405.60 | \$1,215.00 | \$4,860.00 |
| 14 | Sanitary Structure Cover, Adjust | 9 | Each | \$800.00 | \$7,200.00 | \$1,000.00 | \$9,000.00 | \$477.00 | \$4,293.00 | \$1,290.00 | \$11,610.00 |
| 15 | Water Gate Valve and Well Cover, Adjust | 3 | Each | \$350.00 | \$1,050.00 | \$750.00 | \$2,250.00 | \$308.00 | \$924.00 | \$1,290.00 | \$3,870.00 |
| 16 | Drainage Structure, Adjust | 20 | Each | \$400.00 | \$8,000.00 | \$600.00 | \$12,000.00 | \$674.30 | \$13,486.00 | \$990.00 | \$19,800.00 |
| 17 | Drainage Structure, Reconstruct | 20 | Foot | \$200.00 | \$4,000.00 | \$100.00 | \$2,000.00 | \$346.80 | \$6,936.00 | \$475.00 | \$9,500.00 |
| 18 | Drainage Structure, Recondition | 20 | Each | \$50.00 | \$1,000.00 | \$250.00 | \$5,000.00 | \$229.60 | \$4,592.00 | \$325.00 | \$6,500.00 |
| 19 | Sump Pump Drainage Collection Line, 8 inch, Armco A2000 | 100 | Foot | \$30.00 | \$3,000.00 | \$40.00 | \$4,000.00 | \$33.75 | \$3,375.00 | \$61.25 | \$6,125.00 |
| 20 | Sump Pump House Lead, 4 inch, Armco A2000 | 100 | Foot | \$35.00 | \$3,500.00 | \$30.00 | \$3,000.00 | \$32.00 | \$3,200.00 | \$51.35 | \$5,135.00 |
| 21 | PVC End Cap for Sump Pump Lead, 4 inch | 10 | Each | \$50.00 | \$500.00 | \$20.00 | \$200.00 | \$33.50 | \$335.00 | \$74.80 | \$748.00 |
| 22 | Connect Existing House Sump Pump Discharge Line | 10 | Each | \$300.00 | \$3,000.00 | \$250.00 | \$2,500.00 | \$303.75 | \$3,037.50 | \$180.00 | \$1,800.00 |
| 23 | Edge Drain, 6 inch (Modified) | 6,000 | Foot | \$14.00 | \$84,000.00 | \$13.50 | \$81,000.00 | \$16.60 | \$99,600.00 | \$16.15 | \$96,900.00 |
| 24 | 21AA Aggregate under Selective Concrete C\&G Replacement, 6 inch depth | 400 | Ton | \$40.00 | \$16,000.00 | \$1.00 | \$400.00 | \$16.10 | \$6,440.00 | \$50.00 | \$20,000.00 |
| 25 | Curb and Gutter, Conc, Replace Existing | 1,500 | Foot | \$20.00 | \$30,000.00 | \$10.00 | \$15,000.00 | \$38.50 | \$57,750.00 | \$26.92 | \$40,380.00 |
| 26 | Curb and Gutter, Conc, Det B2 | 110 | Foot | \$24.00 | \$2,640.00 | \$31.00 | \$3,410.00 | \$41.00 | \$4,510.00 | \$26.92 | \$2,961.20 |
| 27 | Conc Sidewalk Curb, Integral w/ walk, 6 inch width ( $\max 8$ inch height) | 30 | Foot | \$10.00 | \$300.00 | \$20.00 | \$600.00 | \$40.00 | \$1,200.00 | \$26.92 | \$807.60 |
| 28 | Conc Driveway, Nonreinf, 6 inch | 30 | Square Yard | \$65.00 | \$1,950.00 | \$51.00 | \$1,530.00 | \$58.75 | \$1,762.50 | \$58.37 | \$1,751.10 |
| 29 | Pavt Joint and Crack Repr, Detail 7 | 21,500 | Foot | \$5.00 | \$107,500.00 | \$7.00 | \$150,500.00 | \$4.80 | \$103,200.00 | \$8.00 | \$172,000.00 |
| 30 | Pavt Joint and Crack Repr, Detail 8 | 1,000 | Foot | \$7.00 | \$7,000.00 | \$7.00 | \$7,000.00 | \$6.50 | \$6,500.00 | \$8.00 | \$8,000.00 |
| 31 | Hand Patching HMA, 1100 | 1,100 | Ton | \$50.00 | \$55,000.00 | \$15.00 | \$16,500.00 | \$103.70 | \$114,070.00 | \$85.00 | \$93,500.00 |
| 32 | 21AA Aggregate Base | 3,000 | Ton | \$30.00 | \$90,000.00 | \$22.00 | \$66,000.00 | \$20.75 | \$62,250.00 | \$30.00 | \$90,000.00 |
| 33 | Shoulder, Class II | 160 | Ton | \$25.00 | \$4,000.00 | \$60.00 | \$9,600.00 | \$49.70 | \$7,952.00 | \$50.00 | \$8,000.00 |
| 34 | Shoulder, HMA 4E3 (PG 64-22) | 500 | Ton | \$100.00 | \$50,000.00 | \$120.00 | \$60,000.00 | \$106.50 | \$53,250.00 | \$115.00 | \$57,500.00 |
| 35 | Subgrade Undercutting, Type II (Modified) | 300 | Cubic Yard | \$40.00 | \$12,000.00 | \$10.00 | \$3,000.00 | \$47.40 | \$14,220.00 | \$70.00 | \$21,000.00 |
| 36 | Subgrade Undercutting, Type II (Special) | 600 | Cubic Yard | \$40.00 | \$24,000.00 | \$10.00 | \$6,000.00 | \$55.50 | \$33,300.00 | \$68.00 | \$40,800.00 |
| 37 | TriAx TX130S Geogrid for 21AA or approved equal | 900 | Square Yard | \$5.00 | \$4,500.00 | \$1.00 | \$900.00 | \$2.00 | \$1,800.00 | \$2.50 | \$2,250.00 |


| CITY 0 | ROCHESTER HILLS |  |  |  |  |  | bulation |  |  |  |  |
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| DEPAR | atment of public services / engineering services |  |  |  |  | 2020 HMA ROA | hablitation Pr | gam |  |  |  |
| 1000 | ROCHESTER HILLS DRIVE |  |  |  |  |  |  |  |  |  |  |
| ROCHE | Ster hills, michigan 48309 |  |  |  |  |  | \#E20-002 |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| BID OP | ENING DATE: 3:00 P.M. Tuesday, February 25, 2020 |  |  |  |  | $\begin{aligned} & \text { Pro-Lir } \\ & 11797 \end{aligned}$ | phalt ile Rd. | Forence Ce 51515 | Company ridor | Ajax Paving | stries, Inc. |
| Part A: | Local \& Major Streets: Various Locations |  |  |  |  | Washingt | 148095 | Shelby Twp, | 148315 | Troy, | 8084 |
| Item |  |  |  | Unit |  | Unit |  | Unit |  | Unit |  |
| No. | Description | Quantity | Unit | Price | Total | Price | Total | Price | Total | Price | Total |
| 38 | TriAx TX150L Geogrid for 1 in. 3 i in. crushed concrete or approved equal | 1,800 | Square Yard | \$5.00 | \$9,000.00 | \$1.00 | \$1,800.00 | \$4.60 | \$8,280.00 | \$3.65 | \$6,570.00 |
| 39 | Machine Grading (Modified) | 28 | Station | \$3,000.00 | \$84,000.00 | \$8,000.00 | \$224,000.00 | \$1,638.00 | \$45,864.00 | \$4,525.00 | \$126,700.00 |
| 40 | HMA, 5E3 (PG 64-22) | 6,230 | Ton | \$100.00 | \$623,000.00 | \$90.00 | \$560,700.00 | \$105.00 | \$654,150.00 | \$105.00 | \$654,150.00 |
| 41 | HMA, 4E3 (PG 64-22) | 4,330 | Ton | \$100.00 | \$433,000.00 | \$89.00 | \$385,370.00 | \$98.00 | \$424,340.00 | \$90.00 | \$389,700.00 |
| 42 | HMA, 1100 (Modified) | 1,290 | Ton | \$100.00 | \$129,000.00 | \$5.00 | \$6,450.00 | \$140.00 | \$180,600.00 | \$150.00 | \$193,500.00 |
| 43 | HMA Approach, (Moafied) | 75 | Ton | \$140.00 | \$10,500.00 | \$140.00 | \$10,500.00 | \$193.80 | \$14,535.00 | \$230.00 | \$17,250.00 |
| 44 | Concrete Sidewalk, Rem | 120 | Square Foot | \$2.00 | \$240.00 | \$5.00 | \$600.00 | \$4.35 | \$522.00 | \$5.20 | \$624.00 |
| 45 | HMA Pathway, Rem | 2,500 | Square Foot | \$2.00 | \$5,000.00 | \$2.00 | \$5,000.00 | \$2.10 | \$5,250.00 | \$1.60 | \$4,000.00 |
| 46 | Sidewalk Ramp, Conc, 6 inch | 1,860 | Square Foot | \$7.00 | \$13,020.00 | \$10.00 | \$18,600.00 | \$9.85 | \$18,321.00 | \$7.50 | \$13,950.00 |
| 47 | Sidewalk, Conc, 4 inch | 400 | Square Foot | \$5.00 | \$2,000.00 | \$10.00 | \$4,000.00 | \$6.80 | \$2,720.00 | \$4.42 | \$1,768.00 |
| 48 | Detectable Warning Surface | 160 | Square Foot | \$22.00 | \$3,520.00 | \$30.00 | \$4,800.00 | \$35.00 | \$5,600.00 | \$16.50 | \$2,640.00 |
| 49 | Temporary Gang Mailboxes (ff Necessary) | 1 | Lump Sum | \$2,000.00 | \$2,000.00 | \$6,000.00 | \$6,000.00 | \$1,517.00 | \$1,517.00 | \$1,000.00 | \$1,000.00 |
| 50 | Topsoil Surface, 3 inch and Seeding, Mixture THM w/ Mulch | 3,100 | Square Yard | \$6.00 | \$18,600.00 | \$5.80 | \$17,980.00 | \$11.30 | \$35,030.00 | \$8.48 | \$26,288.00 |
| 51 | Erosion Control, Inlet Protection, Fabric Drop | 18 | Each | \$90.00 | \$1,620.00 | \$100.00 | \$1,800.00 | \$174.00 | \$3,132.00 | \$110.00 | \$1,980.00 |
| 52 | Pavt Mrkg, Sprayable Thermopl, 4" Yellow | 8,550 | Foot | \$1.00 | \$8,550.00 | \$0.30 | \$2,565.00 | \$0.25 | \$2,137.50 | \$0.23 | \$1,966.50 |
| 53 | Pavt Mrk, Sprayable Thermopl, 6" White | 5,650 | Foot | \$1.00 | \$5,650.00 | \$0.40 | \$2,260.00 | \$0.35 | \$1,977.50 | \$0.35 | \$1,977.50 |
| 54 | Cold Plastic Pavt Marking 24" Stop Bar 3M 270ES | 60 | Foot | \$1.00 | \$60.00 | \$12.50 | \$750.00 | \$12.50 | \$750.00 | \$12.50 | \$750.00 |
| 55 | Cold Plastic Pavt Mrkg, Lt Turn Arrow 3M 270ES | 2 | Each | \$165.00 | \$330.00 | \$170.00 | \$340.00 | \$165.00 | \$330.00 | \$165.00 | \$330.00 |
| 56 | Cold Plastic Pavt Mrkg, Rt Turn Arrow Sym 3M 270ES | 2 | Each | \$165.00 | \$330.00 | \$170.00 | \$340.00 | \$165.00 | \$330.00 | \$165.00 | \$330.00 |
| 57 | Sprinkler Head | 25 | Each | \$65.00 | \$1,625.00 | \$80.00 | \$2,000.00 | \$32.00 | \$800.00 | \$108.00 | \$2,700.00 |
| 58 | Audio \& Video Coverage | 1 | Lump Sum | \$5,000.00 | \$5,000.00 | \$7,500.00 | \$7,500.00 | \$2,500.00 | \$2,500.00 | \$2,500.00 | \$2,500.00 |
| 59 | Traffic Maintenance \& Control | 1 | Lump Sum | \$60,000.00 | \$60,000.00 | \$160,000.00 | \$160,000.00 | \$39,150.00 | \$39,150.00 | \$365,000.00 | \$365,000.00 |
| 60 | Mobilization, Max $5 \%$ - ltems 1 thru 59 | 1 | Lump Sum | \$108,536.25 | \$108,536.25 | \$100,000.00 | \$100,000.00 | \$51,707.00 | \$51,707.00 | \$140,000.00 | \$140,000.00 |




