

**CITY OF MERCED**  
**Project #CP220077**  
**Fire Training Facility**

**Bid Opening: 7/7/2026**

**City of Merced**

**Project No. CP220077 - Fire Training Facility**

|     |                                                                 |                 |                    | Avison Construction, Inc.<br>(Madera, CA) |                        | F & H Construction<br>(Woodbridge, CA) |                        | American Paving Co.<br>(Fresno, CA) |                        |
|-----|-----------------------------------------------------------------|-----------------|--------------------|-------------------------------------------|------------------------|----------------------------------------|------------------------|-------------------------------------|------------------------|
| NO. | ITEM                                                            | UNIT OF MEASURE | ESTIMATED QUANTITY | UNIT PRICE                                | ITEM TOTAL             | UNIT PRICE                             | ITEM TOTAL             | UNIT PRICE                          | ITEM TOTAL             |
| 1   | Permits, Bonds, Licenses & Insurance                            | LS              | 1                  | \$ 95,000.00                              | \$ 95,000.00           | \$ 87,000.00                           | \$ 87,000.00           | \$ 50,000.00                        | \$ 50,000.00           |
| 2   | Public Convenience and Safety                                   | LS              | 1                  | \$ 25,000.00                              | \$ 25,000.00           | \$ 21,000.00                           | \$ 21,000.00           | \$ 400,000.00                       | \$ 400,000.00          |
| 3   | Water Pollution Control                                         | LS              | 1                  | \$ 5,000.00                               | \$ 5,000.00            | \$ 60,000.00                           | \$ 60,000.00           | \$ 25,000.00                        | \$ 25,000.00           |
| 4   | Street Sweeping                                                 | LS              | 1                  | \$ 5,000.00                               | \$ 5,000.00            | \$ 33,000.00                           | \$ 33,000.00           | \$ 1.00                             | \$ 1.00                |
| 5   | Surveying Services                                              | LS              | 1                  | \$ 30,000.00                              | \$ 30,000.00           | \$ 23,000.00                           | \$ 23,000.00           | \$ 27,300.00                        | \$ 27,300.00           |
| 6   | Monumentation                                                   | LS              | 1                  | \$ 500.00                                 | \$ 500.00              | \$ 4,000.00                            | \$ 4,000.00            | \$ 3,300.00                         | \$ 3,300.00            |
| 7   | Remove Existing Pavement                                        | SF              | 269                | \$ 10.00                                  | \$ 2,690.00            | \$ 23.00                               | \$ 6,187.00            | \$ 9.00                             | \$ 2,421.00            |
| 8   | Remove Existing Curb and Gutter                                 | LF              | 141                | \$ 35.00                                  | \$ 4,935.00            | \$ 42.00                               | \$ 5,922.00            | \$ 26.00                            | \$ 3,666.00            |
| 9   | Relocate Existing Street Light                                  | EA              | 1                  | \$ 8,000.00                               | \$ 8,000.00            | \$ 11,600.00                           | \$ 11,600.00           | \$ 7,500.00                         | \$ 7,500.00            |
| 10  | Earthwork                                                       | CY              | 11,944             | \$ 24.00                                  | \$ 286,656.00          | \$ 10.00                               | \$ 119,440.00          | \$ 48.20                            | \$ 575,700.80          |
| 11  | Fine Grading                                                    | SF              | 230,580            | \$ 0.25                                   | \$ 57,645.00           | \$ 1.00                                | \$ 230,580.00          | \$ 0.10                             | \$ 23,058.00           |
| 12  | 6" PVC - Sanitary Sewer                                         | LF              | 545                | \$ 69.00                                  | \$ 37,605.00           | \$ 38.00                               | \$ 20,710.00           | \$ 61.00                            | \$ 33,245.00           |
| 13  | 48" Sanitary Sewer Manhole                                      | EA              | 1                  | \$ 6,000.00                               | \$ 6,000.00            | \$ 19,000.00                           | \$ 19,000.00           | \$ 5,300.00                         | \$ 5,300.00            |
| 14  | Connect to Existing Sanitary Sewer Manhole                      | EA              | 1                  | \$ 4,500.00                               | \$ 4,500.00            | \$ 4,800.00                            | \$ 4,800.00            | \$ 3,900.00                         | \$ 3,900.00            |
| 15  | Sanitary Sewer Cleanout                                         | EA              | 3                  | \$ 1,500.00                               | \$ 4,500.00            | \$ 1,030.00                            | \$ 3,090.00            | \$ 1,200.00                         | \$ 3,600.00            |
| 16  | 48" RCP - Storm Drainage                                        | LF              | 411                | \$ 335.00                                 | \$ 137,685.00          | \$ 353.00                              | \$ 145,083.00          | \$ 295.00                           | \$ 121,245.00          |
| 17  | 24" RCP - Storm Drainage                                        | LF              | 150                | \$ 130.00                                 | \$ 19,500.00           | \$ 177.00                              | \$ 26,550.00           | \$ 117.00                           | \$ 17,550.00           |
| 18  | 18" SDR -26 - Storm Drainage                                    | LF              | 876                | \$ 115.00                                 | \$ 100,740.00          | \$ 104.00                              | \$ 91,104.00           | \$ 102.00                           | \$ 89,352.00           |
| 19  | 12" SDR -26 - Storm Drainage                                    | LF              | 613                | \$ 100.00                                 | \$ 61,300.00           | \$ 78.00                               | \$ 47,814.00           | \$ 87.00                            | \$ 53,331.00           |
| 20  | 6" PVC Force Main - Storm Drainage                              | LF              | 33                 | \$ 200.00                                 | \$ 6,600.00            | \$ 200.00                              | \$ 6,600.00            | \$ 178.00                           | \$ 5,874.00            |
| 21  | 96" Storm Drainage Manhole                                      | EA              | 1                  | \$ 20,000.00                              | \$ 20,000.00           | \$ 42,000.00                           | \$ 42,000.00           | \$ 18,300.00                        | \$ 18,300.00           |
| 22  | 60" Storm Drainage Manhole With Grated Lid                      | EA              | 2                  | \$ 11,000.00                              | \$ 22,000.00           | \$ 22,000.00                           | \$ 44,000.00           | \$ 10,000.00                        | \$ 20,000.00           |
| 23  | 60" Storm Drainage Manhole                                      | EA              | 1                  | \$ 10,000.00                              | \$ 10,000.00           | \$ 16,000.00                           | \$ 16,000.00           | \$ 10,000.00                        | \$ 10,000.00           |
| 24  | 48" Storm Drainage Manhole With Grated Lid                      | EA              | 3                  | \$ 6,500.00                               | \$ 19,500.00           | \$ 11,500.00                           | \$ 34,500.00           | \$ 6,000.00                         | \$ 18,000.00           |
| 25  | 48" Storm Drainage Manhole                                      | EA              | 1                  | \$ 6,500.00                               | \$ 6,500.00            | \$ 19,000.00                           | \$ 19,000.00           | \$ 6,000.00                         | \$ 6,000.00            |
| 26  | Connect to Existing Storm Line with Manhole                     | EA              | 1                  | \$ 15,000.00                              | \$ 15,000.00           | \$ 14,000.00                           | \$ 14,000.00           | \$ 11,000.00                        | \$ 11,000.00           |
| 27  | 24" Storm Drainage Catch Basin                                  | EA              | 1                  | \$ 5,000.00                               | \$ 5,000.00            | \$ 8,500.00                            | \$ 8,500.00            | \$ 4,000.00                         | \$ 4,000.00            |
| 28  | 18" Storm Drainage Catch Basin                                  | EA              | 4                  | \$ 4,500.00                               | \$ 18,000.00           | \$ 6,000.00                            | \$ 24,000.00           | \$ 3,700.00                         | \$ 14,800.00           |
| 29  | Storm Drainage Curb Inlet - City Standard                       | EA              | 1                  | \$ 12,000.00                              | \$ 12,000.00           | \$ 21,000.00                           | \$ 21,000.00           | \$ 6,000.00                         | \$ 6,000.00            |
| 30  | Bubble-up Structure                                             | EA              | 1                  | \$ 15,000.00                              | \$ 15,000.00           | \$ 17,000.00                           | \$ 17,000.00           | \$ 12,000.00                        | \$ 12,000.00           |
| 31  | Storm Drainage Pump Station                                     | LS              | 1                  | \$ 275,000.00                             | \$ 275,000.00          | \$ 113,000.00                          | \$ 113,000.00          | \$ 238,000.00                       | \$ 238,000.00          |
| 32  | Storm Drainage Trash Rack                                       | EA              | 1                  | \$ 45,000.00                              | \$ 45,000.00           | \$ 27,000.00                           | \$ 27,000.00           | \$ 36,500.00                        | \$ 36,500.00           |
| 33  | 8" PVC - Water                                                  | LF              | 1,004              | \$ 95.00                                  | \$ 95,380.00           | \$ 73.50                               | \$ 73,794.00           | \$ 86.00                            | \$ 86,344.00           |
| 34  | 6" PVC - Water                                                  | LF              | 124                | \$ 73.00                                  | \$ 9,052.00            | \$ 97.00                               | \$ 12,028.00           | \$ 84.00                            | \$ 10,416.00           |
| 35  | 2" PVC - Water                                                  | LF              | 574                | \$ 42.00                                  | \$ 24,108.00           | \$ 29.00                               | \$ 16,646.00           | \$ 39.00                            | \$ 22,386.00           |
| 36  | 8" Water Valve                                                  | EA              | 3                  | \$ 4,000.00                               | \$ 12,000.00           | \$ 6,500.00                            | \$ 19,500.00           | \$ 3,500.00                         | \$ 10,500.00           |
| 37  | 6" Water Valve                                                  | EA              | 1                  | \$ 3,700.00                               | \$ 3,700.00            | \$ 4,600.00                            | \$ 4,600.00            | \$ 3,400.00                         | \$ 3,400.00            |
| 38  | 8" Double Detector Check Valve                                  | EA              | 1                  | \$ 36,000.00                              | \$ 36,000.00           | \$ 47,100.00                           | \$ 47,100.00           | \$ 32,500.00                        | \$ 32,500.00           |
| 39  | 6" Single Detector Check Valve W/FDC                            | EA              | 1                  | \$ 20,000.00                              | \$ 20,000.00           | \$ 24,600.00                           | \$ 24,600.00           | \$ 19,000.00                        | \$ 19,000.00           |
| 40  | 8" Water Service Meter                                          | EA              | 1                  | \$ 40,000.00                              | \$ 40,000.00           | \$ 770.00                              | \$ 770.00              | \$ 38,600.00                        | \$ 38,600.00           |
| 41  | 2" Water Service Meter                                          | EA              | 1                  | \$ 7,500.00                               | \$ 7,500.00            | \$ 770.00                              | \$ 770.00              | \$ 6,900.00                         | \$ 6,900.00            |
| 42  | 2" Backflow Preventer                                           | EA              | 1                  | \$ 7,000.00                               | \$ 7,000.00            | \$ 10,300.00                           | \$ 10,300.00           | \$ 6,600.00                         | \$ 6,600.00            |
| 43  | Fire Hydrant Assembly                                           | EA              | 4                  | \$ 10,000.00                              | \$ 40,000.00           | \$ 21,500.00                           | \$ 86,000.00           | \$ 14,000.00                        | \$ 56,000.00           |
| 44  | Stub and Plug Proposed Water Line                               | EA              | 3                  | \$ 1,400.00                               | \$ 4,200.00            | \$ 500.00                              | \$ 1,500.00            | \$ 1,200.00                         | \$ 3,600.00            |
| 45  | Connection to Existing Water System                             | EA              | 3                  | \$ 10,000.00                              | \$ 30,000.00           | \$ 21,100.00                           | \$ 63,300.00           | \$ 8,600.00                         | \$ 25,800.00           |
| 46  | Pressure Testing and Disinfection                               | LS              | 1                  | \$ 10,000.00                              | \$ 10,000.00           | \$ 2,300.00                            | \$ 2,300.00            | \$ 5,900.00                         | \$ 5,900.00            |
| 47  | 6" Vertical Curb and Gutter                                     | LF              | 665                | \$ 78.00                                  | \$ 51,870.00           | \$ 75.00                               | \$ 49,875.00           | \$ 35.00                            | \$ 23,275.00           |
| 48  | 6" Vertical Curb                                                | LF              | 1,116              | \$ 39.00                                  | \$ 43,524.00           | \$ 70.00                               | \$ 78,120.00           | \$ 20.00                            | \$ 22,320.00           |
| 49  | Heavy Duty Concrete                                             | SF              | 21,391             | \$ 17.00                                  | \$ 363,647.00          | \$ 17.00                               | \$ 363,647.00          | \$ 16.10                            | \$ 342,785.10          |
|     |                                                                 |                 |                    |                                           |                        |                                        |                        | \$ 16.10                            | \$ 344,395.10          |
| 50  | Driveway Concrete                                               | SF              | 14,595             | \$ 14.00                                  | \$ 204,330.00          | \$ 17.00                               | \$ 248,115.00          | \$ 13.20                            | \$ 192,654.00          |
| 51  | Pedestrian Concrete                                             | SF              | 7,309              | \$ 12.00                                  | \$ 87,708.00           | \$ 17.00                               | \$ 124,253.00          | \$ 9.90                             | \$ 72,359.10           |
| 52  | 4" AC Over 12.0" Cement Stabilized Soil                         | SF              | 15,312             | \$ 9.00                                   | \$ 137,808.00          | \$ 10.50                               | \$ 160,776.00          | \$ 8.00                             | \$ 122,496.00          |
| 53  | Concrete ADA Ramp                                               | EA              | 2                  | \$ 4,000.00                               | \$ 8,000.00            | \$ 5,500.00                            | \$ 11,000.00           | \$ 4,200.00                         | \$ 8,400.00            |
| 54  | ADA Sign                                                        | EA              | 3                  | \$ 600.00                                 | \$ 1,800.00            | \$ 800.00                              | \$ 2,400.00            | \$ 600.00                           | \$ 1,800.00            |
| 55  | Parking Lot Stripping                                           | LS              | 1                  | \$ 9,000.00                               | \$ 9,000.00            | \$ 30,000.00                           | \$ 30,000.00           | \$ 30,500.00                        | \$ 30,500.00           |
| 56  | Chain Link Fence                                                | LF              | 1,313              | \$ 50.00                                  | \$ 65,650.00           | \$ 52.00                               | \$ 68,276.00           | \$ 58.00                            | \$ 76,154.00           |
| 57  | Wrought Iron Fence                                              | LF              | 283                | \$ 350.00                                 | \$ 99,050.00           | \$ 376.00                              | \$ 106,408.00          | \$ 500.00                           | \$ 141,500.00          |
| 58  | Wrought Iron Fence Electric Slide Gate                          | EA              | 2                  | \$ 74,000.00                              | \$ 148,000.00          | \$ 81,500.00                           | \$ 163,000.00          | \$ 44,000.00                        | \$ 88,000.00           |
| 59  | Trash Enclosure                                                 | EA              | 1                  | \$ 50,000.00                              | \$ 50,000.00           | \$ 57,000.00                           | \$ 57,000.00           | \$ 75,200.00                        | \$ 75,200.00           |
| 60  | Restoration                                                     | LS              | 1                  | \$ 30,000.00                              | \$ 30,000.00           | \$ 33,000.00                           | \$ 33,000.00           | \$ 4,700.00                         | \$ 4,700.00            |
| 61  | Site Lighting Poles S1, S2, S3 with Lights, Concrete Foundation | EA              | 7                  | \$ 12,000.00                              | \$ 84,000.00           | \$ 10,500.00                           | \$ 73,500.00           | \$ 8,600.00                         | \$ 60,200.00           |
| 62  | Training Tower Flood Light Poles with 3 Flood Lights Per Pole   | EA              | 3                  | \$ 20,000.00                              | \$ 60,000.00           | \$ 19,100.00                           | \$ 57,300.00           | \$ 12,400.00                        | \$ 37,200.00           |
| 63  | Site Lighting Conduit and Wire                                  | LF              | 1,500              | \$ 20.00                                  | \$ 30,000.00           | \$ 26.00                               | \$ 39,000.00           | \$ 40.00                            | \$ 60,000.00           |
| 64  | Utility Pole                                                    | EA              | 1                  | \$ 5,000.00                               | \$ 5,000.00            | \$ 9,700.00                            | \$ 9,700.00            | \$ 6,000.00                         | \$ 6,000.00            |
| 65  | Utility Transformer Pad                                         | EA              | 1                  | \$ 12,000.00                              | \$ 12,000.00           | \$ 10,800.00                           | \$ 10,800.00           | \$ 13,000.00                        | \$ 13,000.00           |
| 66  | Utility Primary Conduits to Property Line                       | LF              | 250                | \$ 63.00                                  | \$ 15,750.00           | \$ 74.00                               | \$ 18,500.00           | \$ 83.00                            | \$ 20,750.00           |
| 67  | Utility Secondary Conduits and Wire                             | LF              | 250                | \$ 196.00                                 | \$ 49,000.00           | \$ 227.00                              | \$ 56,750.00           | \$ 83.00                            | \$ 20,750.00           |
| 68  | Multimeter Service Switchboard                                  | EA              | 1                  | \$ 65,000.00                              | \$ 65,000.00           | \$ 75,100.00                           | \$ 75,100.00           | \$ 68,000.00                        | \$ 68,000.00           |
| 69  | Concrete Pullboxes                                              | EA              | 10                 | \$ 2,000.00                               | \$ 20,000.00           | \$ 2,100.00                            | \$ 21,000.00           | \$ 2,400.00                         | \$ 24,000.00           |
| 70  | Feeder to Modular Building                                      | LF              | 1,600              | \$ 55.00                                  | \$ 88,000.00           | \$ 66.00                               | \$ 105,600.00          | \$ 52.00                            | \$ 83,200.00           |
| 71  | Feeder Connection to Tower                                      | LF              | 350                | \$ 25.00                                  | \$ 8,750.00            | \$ 31.00                               | \$ 10,850.00           | \$ 172.00                           | \$ 60,200.00           |
| 72  | Conduit and Wire to Gate Motors                                 | LF              | 650                | \$ 46.00                                  | \$ 29,900.00           | \$ 54.00                               | \$ 35,100.00           | \$ 210.00                           | \$ 136,500.00          |
|     |                                                                 |                 |                    |                                           |                        |                                        |                        | \$ 210.00                           | \$ 136,500.00          |
| 73  | Conduit and Wire to Pump                                        | LF              | 650                | \$ 24.00                                  | \$ 15,600.00           | \$ 29.00                               | \$ 18,850.00           | \$ 28.00                            | \$ 18,200.00           |
| 74  | Connection to Pump Panel and Pump                               | EA              | 1                  | \$ 10,000.00                              | \$ 10,000.00           | \$ 11,000.00                           | \$ 11,000.00           | \$ 10,000.00                        | \$ 10,000.00           |
| 75  | Conduit for Future EV                                           | LF              | 850                | \$ 20.00                                  | \$ 17,000.00           | \$ 23.00                               | \$ 19,550.00           | \$ 23.00                            | \$ 19,550.00           |
| 76  | 2" PVC - Telephone Line                                         | LF              | 2,500              | \$ 10.00                                  | \$ 25,000.00           | \$ 14.00                               | \$ 35,000.00           | \$ 122.00                           | \$ 305,000.00          |
| 77  | Communication Conduits                                          | LF              | 6,000              | \$ 10.00                                  | \$ 60,000.00           | \$ 14.00                               | \$ 84,000.00           | \$ 65.00                            | \$ 390,000.00          |
| 78  | PROJECT LABOR AGREEMENT                                         |                 |                    |                                           | \$ 60,000.00           |                                        | \$ 21,842.00           |                                     | \$ 1.00                |
|     |                                                                 |                 |                    |                                           | \$ -                   |                                        | \$ -                   |                                     | \$ -4,645,584.00       |
|     | <b>TOTAL BID</b>                                                |                 |                    |                                           | <b>\$ 3,656,183.00</b> |                                        | <b>\$ 3,909,000.00</b> |                                     | <b>\$ 4,710,194.00</b> |