

November 3, 2016

TO THE BOARD OF PUBLIC WORKS
CITY OF WAUKESHA, WISCONSIN

Periodical estimate for Partial Payment No. 12 to Advance Construction, Inc. 2141 Woodale Ave., Green Bay 54313, for E. Moreland Blvd. Utility and Street Improvements - **Concrete**.

Contract No. 3934

2/26/2016

\$4,907,507.57 (Amended \$5,487,333.57)

| Item No | Quantity | Description | Cost | Per Unit | Amount |
|---------|----------|---|------|-----------------------|--------------|
| 1 | 0.8 | Traffic Control | @ | \$105,000.00 Lump Sum | \$84,000.00 |
| 2 | 1 | E. Moreland Blvd. Detour | @ | \$5,600.00 Lump Sum | \$5,600.00 |
| 3 | 30 | Fence Safety (WisDOT 616.0700.S.) | @ | \$3.00 Lin. Ft. | \$90.00 |
| 4 | 200 | Sawcutting at Pavement Limits | @ | \$2.50 Lin. Ft. | \$500.00 |
| 5 | 257 | Clearing and Grubbing | @ | \$45.00 Inch Dia. | \$11,565.00 |
| 6 | 9,004 | Concrete Curb and Gutter Removal | @ | \$2.00 Lin. Ft. | \$18,008.00 |
| 7 | 24,231 | Pavement Removal | @ | \$2.00 Sq. Yd. | \$48,462.00 |
| 8 | 21,218 | Sidewalk and Drive Approach Removal | @ | \$1.00 Sq. Ft. | \$21,218.00 |
| 9 | 11,911.0 | 1¼-Inch Dense Aggregate | @ | \$13.00 Ton | \$154,843.00 |
| 10 | 0 | 1¼-Inch Crushed Stone Backfill | @ | \$25.00 Ton | \$0.00 |
| 11 | 0 | 3-Inch Crushed Stone Backfill | @ | \$25.00 Ton | \$0.00 |
| 12 | 275 | Geotextile Fabric, Type SAS | @ | \$2.25 Sq. Yd. | \$618.75 |
| 13 | 3,985 | Shaping and Grading of Roadway Base | @ | \$25.00 Lin. Ft. | \$99,625.00 |
| 14 | 6,039 | 30-Inch Combination Concrete Curb and Gutter | @ | \$12.50 Lin. Ft. | \$75,487.50 |
| 15 | 0 | Concrete Curb and Gutter Type 30G (WisDOT 601.0413) | @ | \$50.00 Lin. Ft. | \$0.00 |
| 16 | 7,227 | 9-Inch Concrete Pavement, Doweled | @ | \$35.00 Sq. Yd. | \$252,945.00 |
| 17 | 0 | 8-Inch Concrete Pavement, Doweled | @ | \$35.00 Sq. Yd. | \$0.00 |
| 18 | 130.10 | HMA Pavement Type E-3, 19.0 mm PG 64-28 | @ | \$115.00 Ton | \$14,961.50 |
| 19 | 0 | HMA Pavement Type E-3, 12.5 mm PG 64-28 | @ | \$120.00 Ton | \$0.00 |
| 20 | 65 | HMA Pavement Type E-3, 9.5 mm PG 64-28 | @ | \$145.00 Ton | \$9,425.00 |
| 21 | 0 | 4-Inch HMA Pavement for Driveways | @ | \$5.20 Sq. Ft. | \$0.00 |
| 22 | 0 | HMA Butt Joint | @ | \$5.40 Sq. Ft. | \$0.00 |
| 23 | 0 | Concrete Curb - Pedestrian | @ | \$50.00 Lin. Ft. | \$0.00 |
| 24 | 0 | Remove, Salvage and Re-install Brick Pavers at Frame Park, SPV.0165.01 | @ | \$38.00 Sq. Ft. | \$0.00 |
| 25 | 0 | Stamped Colored Concrete Sidewalk 4-Inch, SPV.0165.02 | @ | \$9.00 Sq. Ft. | \$0.00 |
| 26 | 2,475 | New 4-Inch Concrete Sidewalk and Curb Ramps | @ | \$4.40 Sq. Ft. | \$10,890.00 |
| 27 | 0 | New 6-Inch Concrete Sidewalk and Drive Approach | @ | \$4.40 Sq. Ft. | \$0.00 |
| 28 | 0 | New 7-Inch Concrete Sidewalk and Drive Approach | @ | \$4.70 Sq. Ft. | \$0.00 |
| 29 | 312 | Concrete Slope Nose | @ | \$10.00 Sq. Ft. | \$3,120.00 |
| 30 | 24 | Detectable Warning Field | @ | \$45.00 Sq. Ft. | \$1,080.00 |
| 31 | 0 | Extra Bags of Cement for High-Early-Strength Concrete | @ | \$10.00 Each | \$0.00 |
| 32 | 0 | Pavement Marking Epoxy 4-Inch | @ | \$1.55 Lin. Ft. | \$0.00 |
| 33 | 0 | Pavement Marking Epoxy 8-Inch | @ | \$2.05 Lin. Ft. | \$0.00 |
| 34 | 0 | Pavement Marking Diagonal Epoxy 12-Inch | @ | \$8.75 Lin. Ft. | \$0.00 |
| 35 | 0 | Pavement Marking Stop Line Epoxy 18-Inch | @ | \$10.00 Lin. Ft. | \$0.00 |
| 36 | 0 | Pavement Marking Crosswalk Epoxy 6-Inch | @ | \$7.50 Lin. Ft. | \$0.00 |

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| 37 | 0 | Pavement Marking Arrows Epoxy Type 2 | @ | \$275.00 | Each | \$0.00 |
| 38 | 0 | Pavement Marking Words Epoxy | @ | \$335.00 | Each | \$0.00 |
| 39 | 0 | Pavement Marking Railroad Crossings Epoxy | @ | \$535.00 | Each | \$0.00 |
| 40 | 0 | Pavement Marking Island Nose Epoxy | @ | \$125.00 | Each | \$0.00 |
| 41 | 0 | Signs Reflective Type II | @ | \$21.40 | Sq. Ft. | \$0.00 |
| 42 | 0 | Moving Signs | @ | \$125.00 | Each | \$0.00 |
| 43 | 0 | Moving Small Sign Supports | @ | \$50.00 | Each | \$0.00 |
| 44 | 100 | Removing Signs | @ | \$18.00 | Each | \$1,800.00 |
| 45 | 50 | Removing Small Sign Supports | @ | \$18.00 | Each | \$900.00 |
| 46 | 0 | Metal Sign Posts, 2.5-Inch Round | @ | \$125.00 | Each | \$0.00 |
| 47 | 0 | Square Break-Away Posts, SPV 0060.12 | @ | \$150.00 | Each | \$0.00 |
| 48 | 0 | Topsoil and Sod | @ | \$7.45 | Sq. Yd. | \$0.00 |
| 49 | 0 | Topsoil, Seed, and Erosion Mat | @ | \$4.15 | Sq. Yd. | \$0.00 |
| 50 | 288 | Silt Fence, Delivered, Installed and Maintained | @ | \$2.00 | Lin. Ft. | \$576.00 |
| 51 | 105 | Turbidity Barrier Delivered, Installed and Maintained | @ | \$50.00 | Lin. Ft. | \$5,250.00 |
| 52 | 0 | Straw Bales Delivered, Installed and Maintained | @ | \$12.00 | Each | \$0.00 |
| 53 | 41 | Filter Fabric Inlet Protection, Type A and C | @ | \$68.00 | Each | \$2,788.00 |
| 54 | 1 | Temporary Street Lighting | @ | \$55,650.25 | Lump Sum | \$55,650.25 |
| 55 | 3,069 | Non Metallic Conduit, Street Light, Polyethylene Duct, Black, 2-Inch | @ | \$5.03 | Lin. Ft. | \$15,437.07 |
| 56 | 3 | Street Light Pull Boxes, 15-Inch x 30-Inch | @ | \$322.36 | Each | \$967.08 |
| 57 | 4 | Concrete Bases, Type 5 | @ | \$716.94 | Each | \$2,867.76 |
| 58 | 0 | Street Light Control Cabinet | @ | \$5,420.79 | Each | \$0.00 |
| 59 | 1 | Concrete Control Cabinet Bases Type 9 Special (WisDOT 654.0217) | @ | \$1,693.02 | Each | \$1,693.02 |
| 60 | 0 | Electrical Wire Lighting 4 AWG (WisDOT 655.0630) | @ | \$1.34 | Lin. Ft. | \$0.00 |
| 61 | 0 | Electrical Service Meter Breaker Pedestal - (Lighting - E. Moreland Blvd. and White Rock Avenue) (WisDOT 656.0200.02) | @ | \$1,160.99 | Lump Sum | \$0.00 |
| 62 | 6 | Remove Existing Roadway Lighting Unit, SPV.0060.09 | @ | \$206.73 | Each | \$1,240.38 |
| 63 | 11 | Remove and Re-Install Lighting Assembly, SPV.0060.10 | @ | \$396.02 | Each | \$4,356.22 |
| 64 | 0 | Removing Existing Light Control Cabinet, SPV.0060.11 | @ | \$413.45 | Each | \$0.00 |
| 65 | 21 | Conduit Rigid Nonmetallic Schedule 40 2-Inch (WisDOT 652.0225) | @ | \$4.77 | Lin. Ft. | \$100.17 |
| 66 | 1,238 | Conduit Rigid Nonmetallic Schedule 40 3-Inch (WisDOT 652.0235) | @ | \$5.94 | Lin. Ft. | \$7,353.72 |
| 67 | 3 | Pull Boxes Steel 24x42-Inch (WisDOT 653.0140) | @ | \$758.11 | Each | \$2,274.33 |
| 68 | 1 | Concrete Bases Type 1 (WisDOT 654.0101) | @ | \$545.56 | Each | \$545.56 |
| 69 | 1 | Concrete Bases Type 2 (WisDOT 654.0102) | @ | \$832.26 | Each | \$832.26 |
| 70 | 0 | Concrete Bases Type 10 (WisDOT 654.0110) | @ | \$4,438.25 | Each | \$0.00 |
| 71 | 0 | Concrete Bases Type 13 (WisDOT 654.0113) | @ | \$8,144.09 | Each | \$0.00 |
| 72 | 0 | Cable Traffic Signal 5-14 AWG (WisDOT 655.0230) | @ | \$1.06 | Lin. Ft. | \$0.00 |
| 73 | 0 | Cable Traffic Signal 7-14 AWG (WisDOT 655.0240) | @ | \$1.22 | Lin. Ft. | \$0.00 |
| 74 | 0 | Cable Traffic Signal 12-14 AWG (WisDOT 655.0260) | @ | \$1.78 | Lin. Ft. | \$0.00 |
| 75 | 0 | Cable Traffic Signal 15-14 AWG (WisDOT 655.0270) | @ | \$2.14 | Lin. Ft. | \$0.00 |
| 76 | 0 | Cable Type UF 2-10 AWG (WisDOT 655.0315) | @ | \$1.15 | Lin. Ft. | \$0.00 |
| 77 | 0 | Electrical Wire Traffic Signals 10 AWG (WisDOT 655.0515) | @ | \$0.76 | Lin. Ft. | \$0.00 |
| 78 | 0 | Electrical Wire Lighting 12 AWG | @ | \$0.64 | Lin. Ft. | \$0.00 |

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|---------|----------|--|---|-------------|----------|------------|
| 79 | 0 | Electrical Service Meter Breaker Pedestal (Signal – E. Moreland Blvd. and White Rock Ave) (WisDOT 656.0200.01) | @ | \$1,160.99 | Lump Sum | \$0.00 |
| 80 | 2 | Pedestal Bases (WisDOT 657.0100) | @ | \$227.12 | Each | \$454.24 |
| 81 | 0 | Transformer Bases Breakaway 11 1/2-Inch Bolt Circle (WisDOT 657.0255) | @ | \$380.58 | Each | \$0.00 |
| 82 | 0 | Poles Type 3 (WisDOT 657.0310) | @ | \$2,605.68 | Each | \$0.00 |
| 83 | 0 | Poles Type 4 (WisDOT 657.0315) | @ | \$1,332.78 | Each | \$0.00 |
| 84 | 0 | Traffic Signal Standards Aluminum 13-Foot (WisDOT 657.0420) | @ | \$562.62 | Each | \$0.00 |
| 85 | 0 | Traffic Signal Standards Aluminum 15-Foot (WisDOT 657.0425) | @ | \$574.90 | Each | \$0.00 |
| 86 | 0 | Traffic Signal Standards Aluminum 10-Foot (WisDOT 657.0430) | @ | \$390.45 | Each | \$0.00 |
| 87 | 0 | Trombone Arms 15-FT (WisDOT 657.0585) | @ | \$1,321.79 | Each | \$0.00 |
| 88 | 0 | Luminaire Arms Single Member 4-Inch Clamp 6-Foot (WisDOT 657.0609) | @ | \$223.43 | Each | \$0.00 |
| 89 | 0 | Traffic Signal Face 3-12 Inch Vertical (WisDOT 658.0110) | @ | \$440.04 | Each | \$0.00 |
| 90 | 0 | Traffic Signal Face 4-12 Inch Vertical (WisDOT 658.0115) | @ | \$539.54 | Each | \$0.00 |
| 91 | 0 | Traffic Signal Face 5-12 Inch Vertical (WisDOT 658.0120) | @ | \$645.33 | Each | \$0.00 |
| 92 | 0 | Backplates Signal Face 3 Section 12-Inch (WisDOT 658.0215) | @ | \$89.48 | Each | \$0.00 |
| 93 | 0 | Backplates Signal Face 4 Section 12-Inch (WisDOT 658.0220) | @ | \$95.62 | Each | \$0.00 |
| 94 | 0 | Backplates Signal Face 5 Section 12-Inch (WisDOT 658.0225) | @ | \$106.93 | Each | \$0.00 |
| 95 | 0 | Pedestrian Signal Face 16-Inch (WisDOT 658.0416) | @ | \$292.79 | Each | \$0.00 |
| 96 | 0 | LED Modules 12-Inch Red Ball (WisDOT 658.0600) | @ | \$51.56 | Each | \$0.00 |
| 97 | 0 | LED Modules 12-Inch Yellow Ball (WisDOT 658.0605) | @ | \$52.79 | Each | \$0.00 |
| 98 | 0 | LED Modules 12-Inch Green Ball (WisDOT 658.0610) | @ | \$54.02 | Each | \$0.00 |
| 99 | 0 | LED Modules 12-Inch Red Arrow (WisDOT 658.0615) | @ | \$51.56 | Each | \$0.00 |
| 100 | 0 | LED Modules 12-Inch Yellow Arrow (WisDOT 658.0620) | @ | \$52.79 | Each | \$0.00 |
| 101 | 0 | LED Modules 12-Inch Green Arrow (WisDOT 658.0625) | @ | \$54.02 | Each | \$0.00 |
| 102 | 0 | LED Modules Pedestrian Countdown Timer 16-Inch (WisDOT 658.0635) | @ | \$275.23 | Each | \$0.00 |
| 103 | 0 | Signal Mounting Hardware (E. Moreland Blvd. and White Rock Ave.) WisDOT 658.5069.01 | @ | \$3,477.74 | Lump Sum | \$0.00 |
| 104 | 0 | Monotube Poles Type 10, SPV.0060.01 | @ | \$4,882.32 | Each | \$0.00 |
| 105 | 0 | Monotube Poles Type 13, SPV.0060.02 | @ | \$9,840.07 | Each | \$0.00 |
| 106 | 0 | Monotube Arms 25-FT, SPV.0060.03 | @ | \$3,372.31 | Each | \$0.00 |
| 107 | 0 | Monotube Arms 40-FT, SPV.0060.04 | @ | \$5,764.26 | Each | \$0.00 |
| 108 | 0 | Luminaire Arm Steel 12-FT, SPV.0060.05 | @ | \$456.93 | Each | \$0.00 |
| 109 | 0 | Install LED Luminaire, SPV.0060.06 | @ | \$183.16 | Each | \$0.00 |
| 110 | 0 | Traffic Signal Controller and Cabinet 8-Phase Fully Actuated, SPV.0060.07 | @ | \$15,980.33 | Each | \$0.00 |
| 111 | 0 | Battery Backup System, E. Moreland Blvd. and White Rock Avenue, SPV.0060.08 | @ | \$7,106.36 | Each | \$0.00 |
| 112 | 0 | Video Vehicle Detection System, Intersection of E. Moreland Blvd. and White Rock Avenue, SPV.0105.01 | @ | \$24,417.94 | Lump Sum | \$0.00 |
| 113 | 0 | Emergency Vehicle Preemption System, Intersection of E. Moreland Blvd. and White Rock Avenue, SPV.0105.02 | @ | \$12,170.85 | Lump Sum | \$0.00 |
| 114 | 1 | Remove Traffic Signals, Intersection of E. Moreland Blvd. and White Rock Avenue, SPV.0105.03 | @ | \$3,100.88 | Lump Sum | \$3,100.88 |
| 115 | 0 | Salvage Copper Communications Cable at the E. Moreland Blvd. and White Rock Avenue Traffic Signal, SPV.0105.04 | @ | \$413.45 | Lump Sum | \$0.00 |
| 116 | 0 | Audible Pedestrian Push Button System, Intersection of E. Moreland Blvd and White Rock Avenue, SPV.0105.05 | @ | \$5,866.90 | Lump Sum | \$0.00 |

| Item No | Quantity | Description | | Cost | Per Unit | Amount |
|---------|----------|--|---|-------------|----------|--------------|
| 117 | 18 | Remove Existing Storm Manhole | @ | \$550.00 | Each | \$9,900.00 |
| 118 | 23 | Remove Existing Inlet | @ | \$500.00 | Each | \$11,500.00 |
| 119 | 696.0 | Remove Existing 12-Inch Storm Sewer | @ | \$11.00 | Lin. Ft. | \$7,656.00 |
| 120 | 530 | Remove Existing 15-Inch Storm Sewer | @ | \$12.00 | Lin. Ft. | \$6,360.00 |
| 121 | 60 | Remove Existing 18-Inch Storm Sewer | @ | \$14.00 | Lin. Ft. | \$840.00 |
| 122 | 0 | Remove Existing 24-Inch Storm Sewer | @ | \$16.00 | Lin. Ft. | \$0.00 |
| 123 | 739 | Remove Existing 30-Inch Storm Sewer | @ | \$20.00 | Lin. Ft. | \$14,780.00 |
| 124 | 1,226 | Remove Existing 36-Inch Storm Sewer | @ | \$30.00 | Lin. Ft. | \$36,780.00 |
| 125 | 6 | Abandon Existing Storm Manhole | @ | \$450.00 | Each | \$2,700.00 |
| 126 | 3 | Abandon Existing Inlet | @ | \$400.00 | Each | \$1,200.00 |
| 127 | 80 | Abandon Existing 12-Inch Storm Sewer | @ | \$6.00 | Lin. Ft. | \$480.00 |
| 128 | 36 | Abandon Existing 15-Inch Storm Sewer | @ | \$7.00 | Lin. Ft. | \$252.00 |
| 129 | 72 | Abandon Existing 30-Inch Storm Sewer | @ | \$20.00 | Lin. Ft. | \$1,440.00 |
| 130 | 168 | Abandon Existing 36-Inch Storm Sewer | @ | \$25.00 | Lin. Ft. | \$4,200.00 |
| 131 | 916 | 12-Inch RCP Storm Sewer, Class III | @ | \$68.00 | Lin. Ft. | \$62,288.00 |
| 132 | 339 | 15-Inch RCP Storm Sewer, Class III | @ | \$69.00 | Lin. Ft. | \$23,391.00 |
| 133 | 149 | 18-inch RCP Storm Sewer, Class III | @ | \$73.00 | Lin. Ft. | \$10,877.00 |
| 134 | 13 | 27-Inch RCP Storm Sewer, Class III | @ | \$85.00 | Lin. Ft. | \$1,105.00 |
| 135 | 62 | 36-Inch RCP Storm Sewer, Class III | @ | \$115.00 | Lin. Ft. | \$7,130.00 |
| 136 | 183 | 54-Inch RCP Storm Sewer, Class IV | @ | \$190.00 | Lin. Ft. | \$34,770.00 |
| 137 | 3,093.8 | 66-Inch RCP Storm Sewer, Class IV | @ | \$295.00 | Lin. Ft. | \$912,671.00 |
| 138 | 54.5 | 53x83-inch RCP Horizontal Elliptical Storm Sewer, Class IV | @ | \$400.00 | Lin. Ft. | \$21,800.00 |
| 139 | 10 | 48-Inch Diameter Storm Tee Manhole | @ | \$3,000.00 | Dia. | \$30,000.00 |
| 140 | 1 | 72-Inch Diameter Storm Manhole | @ | \$4,500.00 | Dia. | \$4,500.00 |
| 141 | 1 | 108-Inch Diameter Storm Manhole | @ | \$10,000.00 | Dia. | \$10,000.00 |
| 142 | 3 | 108-Inch Diameter Storm Manhole, with Reduced Riser | @ | \$16,800.00 | Dia. | \$50,400.00 |
| 143 | 2 | 120-Inch Diameter Storm Manhole, with Reduced Riser | @ | \$20,000.00 | Dia. | \$40,000.00 |
| 144 | 1 | 54-Inch RCP Storm Sewer 61-Degree Bend | @ | \$2,317.00 | Each | \$2,317.00 |
| 145 | 1 | 54-Inch RCP Storm Sewer 66-Degree Bend | @ | \$2,317.00 | Each | \$2,317.00 |
| 146 | 1 | 66-Inch RCP Storm Sewer 54-Degree Bend | @ | \$4,091.00 | Each | \$4,091.00 |
| 147 | 1 | 66-Inch RCP Storm Sewer 13-Degree Bend | @ | \$4,342.00 | Each | \$4,342.00 |
| 148 | 1 | 66-Inch RCP Storm Sewer 10-Degree Bend | @ | \$4,342.00 | Each | \$4,342.00 |
| 149 | 4 | Inlets 2x3-Ft | @ | \$1,500.00 | Each | \$6,000.00 |
| 150 | 37 | Inlets 2x3-Ft, with Sump | @ | \$1,900.00 | Each | \$70,300.00 |
| 151 | 1 | Concrete Collars 30-Inches and Under | @ | \$500.00 | Each | \$500.00 |
| 152 | 4 | Concrete Collars Over 30-Inches | @ | \$1,500.00 | Each | \$6,000.00 |
| 153 | 1 | 54-Inch Apron Endwall | @ | \$2,300.00 | Each | \$2,300.00 |
| 154 | 0 | 54-Inch RCP Bore and Jack Under Railroad | @ | \$2,000.00 | Lin. Ft. | \$0.00 |
| 155 | 0 | Removing Bulkheads (Wolf Road to Manhattan Drive) | @ | \$1,000.00 | Each | \$0.00 |
| 156 | 0 | Bulkheads (Wolf Road to Manhattan Drive) | @ | \$3,000.00 | Each | \$0.00 |
| 157 | 0 | Chimney Replacement | @ | \$800.00 | Each | \$0.00 |
| 158 | 0 | Chimney Seals | @ | \$400.00 | Each | \$0.00 |
| 159 | 3,284 | Main Line Sewer Televising | @ | \$1.00 | Lin. Ft. | \$3,284.00 |
| 160 | 14 | Lateral Sewer Televising | @ | \$125.00 | Each | \$1,750.00 |
| 161 | 62 | 8-Inch PVC Sanitary Sewer | @ | \$85.00 | Lin. Ft. | \$5,270.00 |
| 162 | 1 | 48-Inch Diameter Sanitary Sewer Drop Manhole | @ | \$4,400.00 | Dia. | \$4,400.00 |
| 163 | 1,624.7 | 6-Inch Sanitary Lateral Replacement | @ | \$88.80 | Lin. Ft. | \$144,273.36 |
| 164 | 29 | Sanitary Lateral Abandonment | @ | \$800.00 | Each | \$23,200.00 |
| 165 | 145 | 16-Inch DI Water Main and Fittings | @ | \$250.00 | Lin. Ft. | \$36,250.00 |

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| 166 | 265 | 16-Inch HDPE Horizontal Direction Drilled Water Main and Fittings | @ | \$390.00 | Lin. Ft. | \$103,350.00 |
| 167 | 3,210 | 12-Inch DI Water Main and Fittings | @ | \$170.00 | Lin. Ft. | \$545,700.00 |
| 168 | 725 | 8-Inch DI Water Main and Fittings | @ | \$170.00 | Lin. Ft. | \$123,250.00 |
| 169 | 0 | Corrosion Protection | @ | \$8,000.00 | Lump Sum | \$0.00 |
| 170 | 1 | 16-Inch Butterfly Valves | @ | \$4,550.00 | Each | \$4,550.00 |
| 171 | 9 | 12-Inch Gate Valves | @ | \$2,666.00 | Each | \$23,994.00 |
| 172 | 8 | 8-Inch Gate Valves | @ | \$1,522.00 | Each | \$12,176.00 |
| 173 | 7 | Furnish and Install Hydrant Assembly | @ | \$6,275.00 | Each | \$43,925.00 |
| 174 | 0 | Furnish and Install Hydrant Assembly, WWU Provides Direct Tap | @ | \$5,475.00 | Each | \$0.00 |
| 175 | 4 | WL1 - Connect Existing 3/4-Inch Service Lateral | @ | \$4,027.00 | Each | \$16,108.00 |
| 176 | 13 | WL2 - Connect Existing 1-Inch Service Lateral | @ | \$3,895.00 | Each | \$50,635.00 |
| 177 | 16 | WL3 - Connect Existing 1-Inch Service Lateral | @ | \$2,250.00 | Each | \$36,000.00 |
| 178 | 0 | WL4 - Connect Existing 1 1/4- Inch Service Lateral | @ | \$2,760.00 | Each | \$0.00 |
| 179 | 12 | WL6 - Connect Existing 1-Inch Service Lateral | @ | \$2,950.00 | Each | \$35,400.00 |
| 180 | 2 | WL7 - Connect Existing 2-Inch Service Lateral | @ | \$1,745.00 | Each | \$3,490.00 |
| 181 | 3 | WL8 - Connect Existing 1 1/4-Inch Service Lateral | @ | \$2,855.00 | Each | \$8,565.00 |
| 182 | 19 | WL10 - Connect Existing 1-Inch Service Lateral | @ | \$1,600.00 | Each | \$30,400.00 |
| 183 | 1 | WL11 - Connect Existing 3/4-Inch Service Lateral | @ | \$4,180.00 | Each | \$4,180.00 |
| 184 | 4 | WL12 - Connect Existing 3/4-Inch Service Lateral | @ | \$2,283.00 | Each | \$9,132.00 |
| 185 | 0 | Furnish and Install Curb Boxes and Rods (If Required) | @ | \$250.00 | Each | \$0.00 |
| 186 | 0 | Furnish and Install Curb Stop (If Required) | @ | \$201.00 | Each | \$0.00 |
| 187 | 2 | Cap and Abandon Water Service | @ | \$800.00 | Each | \$1,600.00 |
| 188 | 8 | Remove Existing Hydrant | @ | \$500.00 | Each | \$4,000.00 |
| 189 | 15 | Abandon Valve Boxes and Manholes | @ | \$500.00 | Each | \$7,500.00 |
| 190 | 0 | Valve Box Adjustment | @ | \$100.00 | Each | \$0.00 |
| 191 | 2 | Pipe Insulation, 2-Inch Extruded Polystyrene | @ | \$20.00 | Sq. Yd. | \$40.00 |
| 192 | 0 | Loose Rock Excavation | @ | \$200.00 | Cu. Yd. | \$0.00 |
| 193 | 0 | Solid Rock Excavation | @ | \$400.00 | Cu. Yd. | \$0.00 |
| 194 | 191 | Rip Rap Heavy | @ | \$85.00 | Cu. Yd. | \$16,235.00 |
| 195 | 1 | Outfall Grading | @ | \$12,000.00 | Lump Sum | \$12,000.00 |
| 196 | 0 | Slurry Backfill | @ | \$100.00 | Cu. Yd. | \$0.00 |
| Extra No. 1 | 1 | Traffic Control - Fixed Message Sign | @ | \$576.00 | Lump Sum | \$576.00 |
| Extra No. 2 | 1 | Traffic Control - Extra Detour Sign | @ | \$1,250.00 | Lump Sum | \$1,250.00 |
| Extra No. 3 | 1 | Remove Railing | @ | \$500.00 | Lump Sum | \$500.00 |
| Extra No. 4 | 0 | Reinstall Railing | @ | \$1,500.00 | Lump Sum | \$0.00 |
| Extra No. 5 | 1 | Replace Existing Storm Manhole at STA 2+93 36'LT | @ | \$8,000.00 | Lump Sum | \$8,000.00 |
| Extra No. 6 | 1 | Replace Existing 8-Inch Sanitary Sewer from STA 6+63 to STA 7+@ | @ | \$12,600.00 | Lump Sum | \$12,600.00 |
| Extra No. 7 | 1 | New Sanitary Lateral Connection at 921 E. Moreland Blvd. | @ | \$2,900.00 | Lump Sum | \$2,900.00 |
| Extra No. 8 | 1 | Separate Laterals at 1220 & 1221 E. Moreland Blvd. | @ | \$2,500.00 | Lump Sum | \$2,500.00 |
| Extra No. 9 | 391 | Topsoil, Seed and Erosion Mat, Special at Outfall | @ | \$6.00 | Sq. Yd. | \$2,346.00 |
| Extra No. 10 | 641 | Grading Channel | @ | \$12.00 | Cu. Yd. | \$7,692.00 |
| Extra No. 11 | 1 | 96-Inch Diameter Storm Manhole | @ | \$10,000.00 | Each | \$10,000.00 |

| Item No | Quantity | Description | | Cost | Per Unit | Amount |
|--------------|----------|--|---|------------|----------|---|
| Extra No. 12 | 48 | 54-inch Steel Bore and Jack Under Railroad | @ | \$1,800.00 | Lin. Ft. | \$86,400.00 |
| Extra No. 13 | 14 | 54-Inch Steel Storm Sewer Pipe | @ | \$600.00 | Lin. Ft. | \$8,400.00 |
| | | | | | | <hr/> |
| | | | | | | Subtotal \$3,783,976.05 |
| | | | | | | Less Retainage \$137,183.34 |
| | | | | | | <hr/> |
| | | | | | | Subtotal \$3,646,792.71 |
| | | | | | | Less 32 Cylinders @ \$13.50 per Cylinder \$432.00 |
| | | | | | | <hr/> |
| | | | | | | Subtotal \$3,646,360.71 |
| | | | | | | Less Amount Previously Paid \$3,358,800.76 |
| | | | | | | <hr/> |
| | | | | | | Total Amount Due \$287,559.95 |

This estimate has been checked by the Engineering Department and we recommend that the above amount of \$287,559.95 be allowed.

Respectfully Submitted,



Fred V. Abadi, PhD., P.E.

Director of Public Works

Robin/Excel/Partials/Advance-3934-Moreland Improvements (Concrete)