



### **Addendum No. 1**

**HAM/WAR CR 4/CR 1 - 2.93 (PID 114606)  
Fields-Ertel Road Widening Project (Part 1) and  
Wilkins Blvd. / Bardes Road Roundabout Project (Part 2)**

August 23, 2024

Listed below is Addendum No. 1 for the referenced project. Please note the following clarifications/modifications to be included in your proposal price.

#### **ADDENDUM NO. 1**

**1. Clarification/Modification:** (Bid Proposal)

The Bid Proposal for Fields-Ertel Road Widening showed Part 1 and Part 2 within this specific Bid Proposal. These two parts have been combined, and a new Bid Proposal will be sent to all plan holders of record. Please discard the previous Fields-Ertel Road Bid Proposal and use the attached.

There are no changes to the existing Wilkins Blvd. / Bardes Road Roundabout Bid Proposal.

HAM/WAR CR 4/CR 1-2.93  
 FIELDS-ERTEL ROAD WIDENING - PART 1  
 BID PROPOSAL

| Ref. No.       | Item No. | Item Ext. | Description   | Quantity | Unit | Unit Cost          | Total Cost |
|----------------|----------|-----------|---|----------|------|--------------------|------------|
| <b>ROADWAY</b> |          |           |   |          |      |                    |            |
| 1              | 201      | 11000     | Clearing and Grubbing                                       | 1        | Lump |                    |            |
| 2              | 202      | 20010     | Headwall Removed  | 7        | Each |                    |            |
| 3              | 202      | 23000     | Pavement Removed  | 122,301  | SY   |                    |            |
| 4              | 202      | 30000     | Walk Removed  | 1,483    | SF   |                    |            |
| 5              | 202      | 30800     | Traffic Island Removed                                      | 24       | SY   |                    |            |
| 6              | 202      | 32000     | Curb Removed  | 1,469    | FT   |                    |            |
| 7              | 202      | 32500     | Curb and Gutter Removed                                     | 1,668    | FT   |                    |            |
| 8              | 202      | 35100     | Pipe Removed, 24" and Under                                 | 2,945    | FT   |                    |            |
| 9              | 202      | 35200     | Pipe Removed, Over 24"                                      | 527      | FT   |                    |            |
| 10             | 202      | 38000     | Guardrail Removed   | 616      | FT   |                    |            |
| 11             | 202      | 58000     | Manhole Removed   | 15       | Each |                    |            |
| 12             | 202      | 58100     | Catch Basin Removed   | 30       | Each |                    |            |
| 13             | 202      | 70110     | Special - Pipe Cleanout, 24" and Under                      | 350      | FT   |                    |            |
| 14             | 202      | 70130     | Special - Pipe Cleanout, over 48"                           | 560      | FT   |                    |            |
| 15             | 202      | 75000     | Fence Removed   | 1,033    | FT   |                    |            |
| 16             | 202      | 75600     | Meter Vault Removed   | 1        | Each |                    |            |
| 17             | 202      | 75610     | Valve Box Removed   | 12       | Each |                    |            |
| 18             | 202      | 98100     | Removal Misc.: Private Sign                                 | 2        | Each |                    |            |
| 19             | 202      | 98100     | Removal Misc.: Bollard                                      | 61       | Each |                    |            |
| 20             | 202      | 98200     | Removal Misc.: Retaining Wall                               | 50       | FT   |                    |            |
| 21             | 202      | 98200     | Removal Misc.: Stone Wall                                   | 83       | FT   |                    |            |
| 22             | 202      | 98400     | Removal misc.: Concrete Pad                                 | 96       | SF   |                    |            |
| 23             | 203      | 10000     | Excavation  | 34,282   | CY   |                    |            |
| 24             | 203      | 10001     | Excavation, As Per Plan                                     | 392      | CY   |                    |            |
| 25             | 203      | 20000     | Embankment  | 16,756   | CY   |                    |            |
| 26             | 203      | 20001     | Embankment, As Per Plan                                     | 1,183    | CY   |                    |            |
| 27             | 204      | 45000     | Proof Rolling   | 19       | Hour |                    |            |
| 28             | 206      | 10500     | Cement  | 958      | Ton  |                    |            |
| 29             | 206      | 11000     | Curing Coat   | 36,934   | SY   |                    |            |
| 30             | 206      | 15010     | Cement Stabilized Subgrade, 12 Inches Deep                  | 36,934   | SY   |                    |            |
| 31             | 206      | 30001     | Mixture Design For Chemically Stabilized Soils, As Per Plan | 1        | Lump |                    |            |
| 32             | 606      | 15050     | Guardrail, Type MGS   | 1,225    | FT   |                    |            |
| 33             | 606      | 26150     | Anchor Assembly, MGS Type E                                 | 3        | Each |                    |            |
| 34             | 606      | 26550     | Anchor Assembly, MGS Type T                                 | 3        | Each |                    |            |
| 35             | 607      | 98000     | Fence, Misc.: Pedestrian Fencing (Warren County)            | 978      | FT   |                    |            |
| 36             | 607      | 98000     | Fence, Misc.: Pedestrian Fencing Mounted to Retaining Wall  | 1,044    | FT   |                    |            |
| 37             | 607      | 10000     | 4" Concrete Walk  | 38,346   | SF   |                    |            |
| 38             | 608      | 52000     | Curb Ramp   | 2,402    | SF   |                    |            |
| 39             | 622      | 41100     | Portable Barrier, Unanchored                                | 8,060    | FT   |                    |            |
| 40             | 622      | 41111     | Portable Barrier, Anchored, As Per Plan                     | 700      | FT   |                    |            |
| 41             | 690      | 50350     | Special - Mailbox Removed and Reset                         | 28       | Each |                    |            |
| 42             | 690      | 50600     | Special - Bollard   | 6        | Each |                    |            |
| 43             | 863      | 00300     | Geogrid, Type P3  | 930      | SY   |                    |            |
| 44             | 863      | 00600     | Geogrid, Type S1  | 259      | SY   |                    |            |
| 45             | 863      | 00800     | Reinforced Embankment                                       | 495      | CY   |                    |            |
| 46             | 878      | 25000     | Inspection and Compaction Testing of Unbound Materials      | 1        | Lump |                    |            |
| 47             | Special  |           | Undercutting Subgrade                                       | 2,000    | CY   |                    |            |
| 48             | Special  |           | Granular Repair of Subgrade                                 | 2,000    | CY   |                    |            |
|                |          |           |   |          |      | <b>Sub-Total =</b> |            |

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 FIELDS-ERTEL ROAD WIDENING - PART 1  
 BID PROPOSAL

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|------------------------|----------|-----------|--|----------|------|--------------------|---------------|
| <b>EROSION CONTROL</b> |          |           |  |          |      |                    |               |
| 49                     | 601      | 10000     | Riprap   | 9        | SY   |                    |               |
| 50                     | 601      | 11001     | Riprap, Type D. As Per Plan                            | 20       | SY   |                    |               |
| 51                     | 601      | 12000     | Riprap, With Grout                                     | 7        | SY   |                    |               |
| 52                     | 601      | 32104     | Rock Channel Protection, Type B With Geotextile Fabric | 15       | CY   |                    |               |
| 53                     | 601      | 32100     | Rock Channel Protection, Type B With Filter            | 13       | CY   |                    |               |
| 54                     | 601      | 32110     | Rock Channel Protection, Type B With Aggregate Filter  | 191      | CY   |                    |               |
| 55                     | 601      | 32204     | Rock Channel Protection, Type C With Geotextile Fabric | 22       | CY   |                    |               |
| 56                     | 601      | 37500     | Paved Gutter, Type 1-2                                 | 148      | FT   |                    |               |
| 57                     | 601      | 45050     | Bioretention Cell                                      | 417      | CY   |                    |               |
| 58                     | 659      | 00100     | Soil Analysis Test                                     | 9        | Each |                    |               |
| 59                     | 659      | 00300     | Topsoil  | 2,931    | CY   |                    |               |
| 60                     | 659      | 540       | Seeding and Mulching, Class 3C                         | 2,379    | SY   |                    |               |
| 61                     | 659      | 10000     | Seeding and Mulching                                   | 50,985   | SY   |                    |               |
| 62                     | 659      | 14000     | Repair Seeding and Mulching                            | 1,322    | SY   |                    |               |
| 63                     | 659      | 15000     | Inter-Seeding  | 1,322    | SY   |                    |               |
| 64                     | 659      | 20000     | Commercial Fertilizer                                  | 3.7      | Ton  |                    |               |
| 65                     | 659      | 31000     | Lime   | 13       | Acre |                    |               |
| 66                     | 659      | 35000     | Water  | 80       | MGal |                    |               |
| 67                     | 659      | 40000     | Mowing   | 64       | MSF  |                    |               |
| 68                     | 660      | 30000     | Sodding Unstaked                                       | 50       | SY   |                    |               |
| 69                     | 670      | 00500     | Slope Erosion Protection                               | 343      | SY   |                    |               |
| 70                     | 670      | 00710     | Ditch Erosion Protection Mat, Type A                   | 49       | SY   |                    |               |
| 71                     | 670      | 00750     | Ditch Erosion Protection Mat, Type E                   | 107      | SY   |                    |               |
| 72                     | 671      | 15000     | Erosion Control Mat, Type A                            | 309      | SY   |                    |               |
| 73                     | 832      | 15000     | Storm Water Pollution Prevention Plan                  | 1        | Lump |                    |               |
| 74                     | 832      | 15002     | Storm Water Pollution Prevention Inspections           | 1        | Lump |                    |               |
| 75                     | 832      | 15010     | Storm Water Pollution Prevention Inspection Software   | 1        | Lump |                    |               |
| 76                     | 832      | 30000     | Erosion Control  | 1        | Each | \$ 235,000.00      | \$ 235,000.00 |
|                        |          |           |  |          |      | <b>Sub-Total =</b> |               |

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 FIELDS-ERTEL ROAD WIDENING - PART 1  
 BID PROPOSAL

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|----------|----------|-----------|---|----------|------|--------------------|------------|
|          |          |           | <b>DRAINAGE</b>                               |          |      |                    |            |
| 77       | 602      | 20000     | Concrete Masonry                              | 3.76     | CY   |                    |            |
| 78       | 605      | 05201     | 4" Unclassified Pipe Underdrains, As Per Plan | 166      | FT   |                    |            |
| 79       | 605      | 06000     | 4" Base Pipe Underdrains                      | 12,088   | FT   |                    |            |
| 80       | 611      | 01100     | 6" Conduit, Type C                            | 15       | FT   |                    |            |
| 81       | 611      |           | 6" Conduit, Type F                            | 1,000    | FT   |                    |            |
| 82       | 611      | 00400     | 4" Conduit, Type E                            | 140      | FT   |                    |            |
| 83       | 611      | 00406     | 4" Conduit, Type F                            | 24       | FT   |                    |            |
| 84       | 611      | 00410     | 4" Conduit, Type F For Underdrain Outlet      | 47       | FT   |                    |            |
| 85       | 611      | 04400     | 12" Conduit, Type B                           | 2,657    | FT   |                    |            |
| 86       | 611      | 04600     | 12" Conduit, Type C                           | 1,259    | FT   |                    |            |
| 87       | 611      | 05900     | 15" Conduit, Type B                           | 697      | FT   |                    |            |
| 88       | 611      | 06100     | 15" Conduit, Type C                           | 653      | FT   |                    |            |
| 89       | 611      | 06400     | 15" Conduit, Type D                           | 36       | FT   |                    |            |
| 90       | 611      | 07400     | 18" Conduit, Type B                           | 243      | FT   |                    |            |
| 91       | 611      | 07600     | 18" Conduit, Type C                           | 150      | FT   |                    |            |
| 92       | 611      | 08900     | 21" Conduit, Type B                           | 62       | FT   |                    |            |
| 93       | 611      | 09100     | 21" Conduit, Type C                           | 243      | FT   |                    |            |
| 94       | 611      | 10400     | 24" Conduit, Type B                           | 10       | FT   |                    |            |
| 95       | 611      | 10600     | 24" Conduit, Type C                           | 190      | FT   |                    |            |
| 96       | 611      | 23800     | 60" Conduit, Type B                           | 105      | FT   |                    |            |
| 97       | 611      | 24000     | 60" Conduit, Type C                           | 305      | FT   |                    |            |
| 98       | 611      | 25000     | 66" Conduit, Type A                           | 12       | FT   |                    |            |
| 99       | 611      | 26000     | 72" Conduit, Type A                           | 135      | FT   |                    |            |
| 100      | 611      | 98150     | Catch Basin, No. 3                            | 16       | Each |                    |            |
| 101      | 611      | 98180     | Catch Basin, No. 3A                           | 33       | Each |                    |            |
| 102      | 611      | 98370     | Catch Basin, No. 6                            | 8        | Each |                    |            |
| 103      | 611      | 98390     | Catch Basin, No. 7                            | 1        | Each |                    |            |
| 104      | 611      | 98450     | Catch Basin, No. 2-2A                         | 1        | Each |                    |            |
| 105      | 611      | 98470     | Catch Basin, No. 2-2B                         | 18       | Each |                    |            |
| 106      | 611      | 98510     | Catch Basin, No. 2-3                          | 6        | Each |                    |            |
| 107      | 611      | 98540     | Catch Basin, No. 2-4                          | 1        | Each |                    |            |
| 108      | 611      | 98630     | Catch Basin Adjusted to Grade                 | 7        | Each |                    |            |
| 109      | 611      | 99574     | Manhole, No. 3                                | 18       | Each |                    |            |
| 110      | 611      | 99575     | Manhole, No. 3, As Per Plan                   | 2        | Each |                    |            |
| 111      | 611      | 99654     | Manhole Adjusted to Grade                     | 8        | Each |                    |            |
| 112      | 611      | 99660     | Manhole Reconstructed to Grade                | 4        | Each |                    |            |
|          |          |           |   |          |      | <b>Sub-Total =</b> |            |

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|----------|----------|-----------|--|----------|------|--------------------|------------|
|          |          |           | <b>PAVEMENT</b>  |          |      |                    |            |
| 113      | 254      | 01000     | Pavement Planing, Asphalt Concrete                               | 5,765    | SY   |                    |            |
| 114      | 301      | 56000     | Asphalt Concrete Base, PG64-22, (449)                            | 8,609    | CY   |                    |            |
| 115      | 304      | 20000     | Aggregate Base   | 6,417    | CY   |                    |            |
| 116      | 407      | 10000     | Tack Coat  | 19       | GAL  |                    |            |
| 117      | 407      | 20000     | Non-Tracking Tack Coat   | 2,249    | GAL  |                    |            |
| 118      | 408      | 10000     | Prime Coat   | 12,202   | GAL  |                    |            |
| 119      | 409      | 98010     | Sealing, Misc.: Dura-Fill CFA                                    | 5,445    | LB   |                    |            |
| 120      | 441      | 70500     | Asphalt Concrete Surface Course, Type 1, (449), (Driveways)      | 46       | CY   |                    |            |
| 121      | 441      | 70600     | Asphalt Concrete Intermediate Course, Type 1, (449), (Driveways) | 17       | CY   |                    |            |
| 122      | 442      | 20000     | Asphalt Concrete Surface Course, 12.5mm, Type A (448)            | 1,950    | CY   |                    |            |
| 123      | 442      | 20170     | Asphalt Concrete Intermediate Course, 12.5mm, Type A (448)       | 1,393    | CY   |                    |            |
| 124      | 452      | 10010     | 6" Non-Reinforced Concrete Pavement, Class QC 1P                 | 2,271    | SY   |                    |            |
| 125      | 452      | 12010     | 8" Non-Reinforced Concrete Pavement, Class QC 1P                 | 278      | SY   |                    |            |
| 126      | 609      | 12000     | Combination Curb and Gutter, Type 2                              | 9,608    | FT   |                    |            |
| 127      | 609      | 18001     | Combination Curb and Gutter, Type 3, As Per Plan                 | 308      | FT   |                    |            |
| 128      | 609      | 26000     | Curb, Type 6   | 604      | FT   |                    |            |
| 129      | 609      | 54000     | 6" Concrete Traffic Island                                       | 15       | SY   |                    |            |
| 130      | 609      | 58000     | 9" Concrete Traffic Island                                       | 138      | SY   |                    |            |
|          |          |           |  |          |      | <b>Sub-Total =</b> |            |

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|-------------------|----------|-----------|---|----------|------|--------------------|------------|
| <b>WATER WORK</b> |          |           |   |          |      |                    |            |
| 131               | 511      | 71100     | Concrete, Misc.: (GCWW - Spec 1110)   | 64       | CY   |                    |            |
| 132               | Special  | 63820086  | 8" Water Main Dip Class 52 Push on Joints and Fittings (WCW&S)                  | 626      | FT   |                    |            |
| 133               | Special  | 63820750  | 6" Fire Hydrant (WCW&S)   | 1        | Each |                    |            |
| 134               | Special  | 63820760  | Fire Hydrant Removed and Disposed of (WCW&S)                                    | 1        | Each |                    |            |
| 135               | Special  | 63820816  | Retap, Reconnect and Extend 1" Copper Water Service Connection (WCW&S)          | 29       | FT   |                    |            |
| 136               | Special  | 63820880  | Cut and Plug Existing 8" Water Line (WCW&S)                                     | 2        | Each |                    |            |
| 137               | Special  | 63820046  | 6" Water Main Dip Class 52 Push on Joints and Fittings (GCWW - Spec 1101)       | 289      | FT   |                    |            |
| 138               | Special  | 63820086  | 8" Water Main Dip Class 52 Push on Joints and Fittings (GCWW - Spec 1101)       | 3,303    | FT   |                    |            |
| 139               | Special  | 63820174  | 12" Water Main Dip Class 52 Push on Joints and Fittings (GCWW - Spec 1101)      | 528      | FT   |                    |            |
| 140               | Special  | 63820214  | 16" Water Main Dip Class 52 Push on Joints and Fittings (GCWW - Spec 1101)      | 974      | FT   |                    |            |
| 141               | Special  | 63820458  | 18" Steel Pipe Encasement, Open Cut (GCWW - Spec 1108)                          | 87       | FT   |                    |            |
| 142               | Special  | 63820470  | 30" Steel Pipe Encasement, Open Cut (GCWW - Spec 1108)                          | 23       | FT   |                    |            |
| 143               | Special  | 63820498  | Valve Box (GCWW - Spec 1116)  | 42       | Each |                    |            |
| 144               | Special  | 63820500  | Valve Box Adjusted to Grade (GCWW - Spec 1125)                                  | 11       | Each |                    |            |
| 145               | Special  | 63820554  | 8" Gate Valve with Valve Box (WCW&S)  | 2        | Each |                    |            |
| 146               | Special  | 63820742  | 1" Air Release Valve with Valve Box (GCWW - Spec 1116)                          | 23       | Each |                    |            |
| 147               | Special  | 63820752  | Fire Hydrant Removed for Storage (WCW&S)  | 1        | Each |                    |            |
| 148               | Special  | 63820750  | 6" Fire Hydrant (WCW&S)   | 1        | Each |                    |            |
| 149               | Special  | 63820750  | 6" Fire Hydrant (GCWW - Spec 1112)  | 15       | Each |                    |            |
| 150               | Special  | 63820754  | Fire Hydrant Removed and Reset (GCWW - Spec 1113)                               | 2        | Each |                    |            |
| 151               | Special  | 63820760  | Fire Hydrant Removed and Disposed of (GCWW - Spec 1114)                         | 11       | Each |                    |            |
| 152               | Special  | 63820762  | Fire Hydrant Service Line Extended and Adjusted to Grade (GCWW - Spec 1115)     | 17       | Each |                    |            |
| 153               | Special  | 63820766  | 3/4" Copper Water Service Line (WCW&S)  | 240      | FT   |                    |            |
| 154               | Special  | 63820766  | 3/4" Copper Water Service Line (GCWW - Spec 1126)                               | 612      | FT   |                    |            |
| 155               | Special  | 63820770  | 1" Copper Water Service Line (GCWW - Spec 1126)                                 | 236      | FT   |                    |            |
| 156               | Special  | 63820902  | Service Box Adjusted to Grade (GCWW - Spec 1131)                                | 4        | Each |                    |            |
| 157               | Special  | 63820904  | Service Box (GCWW - Spec 1131)  | 20       | Each |                    |            |
| 158               | Special  | 63830002  | Sheeting and Bracing Ordered Left in Place (GCWW - Spec 637)                    | 1        | MBF  |                    |            |
| 159               | Special  | 63898000  | Water Work, Misc.: Reconnecting Existing 3/4" Service Branch (GCWW - Spec 1128) | 15       | Each |                    |            |
| 160               | Special  | 63898000  | Water Work, Misc.: Reconnecting Existing 1" Service Branch (GCWW - Spec 1128)   | 7        | Each |                    |            |
| 161               | Special  | 63898000  | Water Work, Misc.: Adjust Existing Valve Chamber to Grade (GCWW - Spec 604)     | 11       | Each |                    |            |
| 162               | Special  | 63898000  | Water Work, Misc.: 5/8" Frost-Proof Meter Setting (GCWW - Spec 1134)            | 3        | Each |                    |            |
| 163               | Special  | 63898000  | Water Work, Misc.: 1" Frost-Proof Meter Setting (GCWW - Spec 1134)              | 4        | Each |                    |            |
|                   |          |           |   |          |      | <b>Sub-Total =</b> |            |
| <b>LIGHTING</b>   |          |           |   |          |      |                    |            |
| 164               | 625      | 25402     | Conduit 2", 725.05  | 788      | FT   |                    |            |
| 165               | 625      | 25502     | Conduit 3", 725.05  | 191      | FT   |                    |            |
| 166               | 625      | 29000     | Trench  | 979      | FT   |                    |            |
| 167               | 625      | 30700     | Pull Box, 725.08, 18"   | 13       | Each |                    |            |
|                   |          |           |   |          |      | <b>Sub-Total =</b> |            |

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|------------------------|----------|-----------|--|----------|------|--------------------|------------|
| <b>TRAFFIC CONTROL</b> |          |           |  |          |      |                    |            |
| 168                    | 621      | 00100     | RPM  | 365      | Each |                    |            |
| 169                    | 626      | 00110     | Barrier Reflector, Type 2                                      | 14       | Each |                    |            |
| 170                    | 630      | 03100     | Ground Mounted Support, No. 3 Post                             | 648      | FT   |                    |            |
| 171                    | 630      | 06500     | Ground Mounted Structural Beam Support, W6x9                   | 32       | FT   |                    |            |
| 172                    | 630      | 08520     | Street Name Sign Support, No. 3 Post                           | 58       | FT   |                    |            |
| 173                    | 630      | 08600     | Sign Post Reflector  | 5        | Each |                    |            |
| 174                    | 630      | 09000     | Breakaway Structural Beam Connection                           | 2        | Each |                    |            |
| 175                    | 630      | 80100     | Sign, Flat Sheet   | 332      | SF   |                    |            |
| 176                    | 630      | 80200     | Sign, Ground Mounted Extrusheet                                | 27       | SF   |                    |            |
| 177                    | 630      | 80500     | Sign, Double Faced, Street Name                                | 3        | Each |                    |            |
| 178                    | 630      | 81100     | Sign Erected, Flat Sheet                                       | 3        | SF   |                    |            |
| 179                    | 630      | 84500     | Ground Mounted Structural Beam Support Foundation              | 2        | Each |                    |            |
| 180                    | 630      | 84600     | Ground Mounted Pipe Support Foundation                         | 1        | Each |                    |            |
| 181                    | 630      | 84900     | Removal of Ground Mounted Sign and Disposal                    | 40       | Each |                    |            |
| 182                    | 630      | 85100     | Removal of Ground Mounted Sign and Reerection                  | 2        | Each |                    |            |
| 183                    | 630      | 85200     | Removal of Ground Mounted Sign and Delivery                    | 5        | Each |                    |            |
| 184                    | 630      | 85400     | Removal of Ground Mounted Major Sign and Disposal              | 1        | Each |                    |            |
| 185                    | 630      | 86002     | Removal of Ground Mounted Post Support and Disposal            | 34       | Each |                    |            |
| 186                    | 630      | 86010     | Removal of Ground Mounted Post Support and Reerection          | 1        | Each |                    |            |
| 187                    | 630      | 86050     | Removal of Ground Mounted Post Support and Delivery            | 2        | Each |                    |            |
| 188                    | 630      | 86102     | Removal of Ground Mounted Structural Beam Support and Disposal | 2        | Each |                    |            |
| 189                    | 630      | 87500     | Removal of Pole Mounted Sign and Disposal                      | 1        | Each |                    |            |
| 190                    | 630      | 87520     | Removal of Pole Mounted Sign and Reerection                    | 4        | Each |                    |            |
| 191                    | 630      | 89812     | Removal of Wood Pole and Disposal                              | 1        | Each |                    |            |
| 192                    | 644      | 00104     | Edge Line, 6"  | 0.65     | Mile |                    |            |
| 193                    | 644      | 00204     | Lane Line, 6"  | 1.34     | Mile |                    |            |
| 194                    | 644      | 00300     | Center Line  | 1.85     | Mile |                    |            |
| 195                    | 644      | 00404     | Channelizing Line, 12"   | 3,218    | FT   |                    |            |
| 196                    | 644      | 00500     | Stop Line  | 387      | FT   |                    |            |
| 197                    | 644      | 00700     | Transverse/Diagonal Line                                       | 423      | FT   |                    |            |
| 198                    | 644      | 00720     | Chevron Marking  | 240      | FT   |                    |            |
| 199                    | 644      | 00900     | Island Marking   | 236      | SF   |                    |            |
| 200                    | 644      | 01300     | Lane Arrow   | 67       | Each |                    |            |
| 201                    | 644      | 01400     | Word on Pavement, 72"  | 3        | Each |                    |            |
| 202                    | 644      | 01520     | Dotted Line, 12"   | 296      | FT   |                    |            |
| 203                    | 644      | 00620     | Crosswalk Line, 12"  | 895      | FT   |                    |            |
| 204                    | 644      | 00630     | Crosswalk Line, 24"  | 66       | FT   |                    |            |
| 205                    | 644      | 30000     | Removal of Pavement Marking                                    | 107      | FT   |                    |            |
| 206                    | 644      | 30020     | Removal of Pavement Marking                                    | 1        | Each |                    |            |
| 207                    | 646      | 10700     | Curb Marking   | 588      | FT   |                    |            |
| 208                    | 646      | 10800     | Island Marking   | 67       | SF   |                    |            |
|                        |          |           |  |          |      | <b>Sub-Total =</b> |            |

HAM/WAR CR 4/CR 1-2.93  
 FIELDS-ERTEL ROAD WIDENING - PART 1  
 BID PROPOSAL

| Ref. No.               | Item No. | Item Ext. | Description  | Quantity | Unit | Unit Cost          | Total Cost |
|------------------------|----------|-----------|--|----------|------|--------------------|------------|
| <b>TRAFFIC SIGNALS</b> |          |           |  |          |      |                    |            |
| 209                    | 625      | 25506     | Conduit, 3", 725.052   | 147      | FT   |                    |            |
| 210                    | 625      | 25606     | Conduit, 4", 725.052   | 70       | FT   |                    |            |
| 211                    | 625      | 29002     | Trench, 24" Deep   | 182      | FT   |                    |            |
| 212                    | 625      | 30700     | Pull Box, 725.08, 18"  | 5        | Each |                    |            |
| 213                    | 625      | 30706     | Pull Box, 725.08, 24"  | 3        | Each |                    |            |
| 214                    | 625      | 32000     | Ground Rod   | 17       | Each |                    |            |
| 215                    | 630      | 79000     | Sign Hanger Assembly, Span Wire  | 14       | Each |                    |            |
| 216                    | 630      | 79500     | Sign Support Assembly, Pole Mounted  | 2        | Each |                    |            |
| 217                    | 630      | 80100     | Sign, Flat Sheet   | 112      | SF   |                    |            |
| 218                    | 630      | 80500     | Sign, Double Faced, Street Name  | 8        | Each |                    |            |
| 219                    | 632      | 05007     | Vehicular Signal head, (LED), 3-Section, 12" Lens, 1-Way, Polycarbonate, As Per Plan | 15       | Each |                    |            |
| 220                    | 632      | 05087     | Vehicular Signal head, (LED), 5-Section, 12" Lens, 1-Way, Polycarbonate, As Per Plan | 6        | Each |                    |            |
| 221                    | 632      | 20731     | Pedestrian Signal Head (LED), Type D2, Countdown, As Per Plan                        | 12       | Each |                    |            |
| 222                    | 632      | 25000     | Covering of Vehicular Signal Head  | 21       | Each |                    |            |
| 223                    | 632      | 25010     | Covering of Pedestrian Signal Head   | 12       | Each |                    |            |
| 224                    | 632      | 26000     | Pedestrian Pushbutton  | 10       | Each |                    |            |
| 225                    | 632      | 30200     | Messenger Wire, 7 Strand, 3/8" Diameter With Accessories                             | 396      | FT   |                    |            |
| 226                    | 632      | 30400     | Messenger Wire, 7 Strand, 1/2" Diameter With Accessories                             | 405      | FT   |                    |            |
| 227                    | 632      | 30600     | Tether Wire, With Accessories  | 801      | FT   |                    |            |
| 228                    | 632      | 42200     | Signal Cable, 2 Conductor, No. 12 AWG  | 2,158    | FT   |                    |            |
| 229                    | 632      | 42500     | Signal Cable, 5 Conductor, No. 12 AWG  | 2,469    | FT   |                    |            |
| 230                    | 632      | 42700     | Signal Cable, 7 Conductor, No. 12 AWG  | 2,289    | FT   |                    |            |
| 231                    | 632      | 64000     | Strain Pole Foundation   | 8        | Each |                    |            |
| 232                    | 632      | 64020     | Pedestal Foundation  | 6        | Each |                    |            |
| 233                    | 632      | 68200     | Power Cable, 2 Conductor, No. 6 AWG  | 151      | FT   |                    |            |
| 234                    | 632      | 69800     | Service Cable, 3 Conductor, No. 6 AWG  | 120      | FT   |                    |            |
| 235                    | 632      | 70001     | Power Service, As Per Plan   | 2        | Each |                    |            |
| 236                    | 632      | 70400     | Conduit Riser, 2" Diameter   | 1        | Each |                    |            |
| 237                    | 632      | 86130     | Strain Pole, Type TC-81.11, Design 10  | 4        | Each |                    |            |
| 238                    | 632      | 86140     | Strain Pole, Type TC-81.11, Design 12  | 4        | Each |                    |            |
| 239                    | 632      | 89600     | Pedestal, 8'   | 6        | Each |                    |            |
| 240                    | 632      | 90101     | Removal of Traffic Signal Installation, As Per Plan                                  | 2        | Each |                    |            |
| 241                    | 633      | 65521     | Cabinet, Type 332, As Per Plan   | 2        | Each |                    |            |
| 242                    | 633      | 67100     | Cabinet Foundation   | 2        | Each |                    |            |
| 243                    | 633      | 67200     | Controller Work Pad  | 2        | Each |                    |            |
| 244                    | 633      | 75001     | Uninterruptible Power Supply (UPS), 1000 Watt, As Per Plan                           | 2        | Each |                    |            |
| 245                    | 804      | 15010     | Fiber Optic Cable, 24 Fiber  | 68       | FT   |                    |            |
| 246                    | 809      | 65011     | ITS Cabinet - Pole Mounted, As Per Plan  | 1        | Each |                    |            |
| 247                    | 809      | 69001     | Advance Radar Detection, As Per Plan   | 6        | Each |                    |            |
| 248                    | 809      | 69101     | Stop Line Radar Detection, As Per Plan   | 8        | Each |                    |            |
| 249                    | 809      | 69122     | ATC Controller   | 2        | Each |                    |            |
| 250                    | 809      | 69201     | Emergency Vehicle Preemption, As Per Plan  | 2        | Each |                    |            |
| 251                    | 824      | 00010     | System Analysis  | 1        | Lump |                    |            |
|                        |          |           |  |          |      | <b>Sub-Total =</b> |            |



**HAM/WAR CR 4/CR 1-2.93  
FIELDS-ERTEL ROAD WIDENING - PART 1  
BID PROPOSAL**

| Ref. No.                | Item No. | Item Ext. | Description   | Quantity | Unit | Unit Cost          | Total Cost |
|-------------------------|----------|-----------|---|----------|------|--------------------|------------|
| <b>RETAINING WALL 1</b> |          |           |   |          |      |                    |            |
| 252                     | 503      | 11101     | Cofferdams and Excavation Bracing   | 1        | Lump |                    |            |
| 253                     | 503      | 21100     | Unclassified Excavation   | 2,372    | CY   |                    |            |
| 254                     | 509      | 10000     | Epoxy Coated Steel Reinforcement  | 170,334  | LB   |                    |            |
| 255                     | 511      | 46012     | Class QC1 Concrete With QC/QA, Retaining/Wingwall Not Including Footing   | 472      | CY   |                    |            |
| 256                     | 511      | 46513     | Class QC1 Concrete With QC/QA, Footing, As Per Plan                       | 871      | CY   |                    |            |
| 257                     | 512      | 10001     | Sealing of Concrete Surfaces, As Per Plan                                 | 779      | SY   |                    |            |
| 258                     | 512      | 10100     | Sealing of Concrete Surfaces (Epoxy-Urethane)                             | 779      | SY   |                    |            |
| 259                     | 512      | 33000     | Type 2 Waterproofing  | 98       | SY   |                    |            |
| 260                     | 516      | 13200     | 1/2" Preformed Expansion Joint Filler                                     | 165      | SF   |                    |            |
| 261                     | 516      | 13600     | 1" Preformed Expansion Joint Filler                                       | 397      | SF   |                    |            |
| 262                     | 518      | 21200     | Porous Backfill With Geotextile Fabric                                    | 1,385    | CY   |                    |            |
| 263                     | 530      | 13000     | Special - Form Liner  | 8,270    | SF   |                    |            |
|                         |          |           |   |          |      | <b>Sub-Total =</b> |            |
| <b>RETAINING WALL 2</b> |          |           |   |          |      |                    |            |
| 264                     | 503      | 21100     | Unclassified Excavation   | 555      | CY   |                    |            |
| 265                     | 507      | 00400     | Steel Piles, Misc.: W16x67 Soldier Piles                                  | 319      | FT   |                    |            |
| 266                     | 507      | 00400     | Steel Piles, Misc.: W24x104 Soldier Piles                                 | 258      | FT   |                    |            |
| 267                     | 507      | 00400     | Steel Piles, Misc.: W27x102 Soldier Piles                                 | 564      | FT   |                    |            |
| 268                     | 507      | 00400     | Steel Piles, Misc.: W33x130 Soldier Piles                                 | 599      | FT   |                    |            |
| 269                     | 507      | 00400     | Steel Piles, Misc.: W36x150 Soldier Piles                                 | 524      | FT   |                    |            |
| 270                     | 509      | 10000     | Epoxy Coated Steel Reinforcement  | 34,006   | LB   |                    |            |
| 271                     | 511      | 46011     | Class QC1 Concrete, Retaining/Wingwall Not Including Footing, As Per Plan | 238      | CY   |                    |            |
| 272                     | 512      | 10001     | Sealing of Concrete Surfaces, As Per Plan                                 | 714      | SY   |                    |            |
| 273                     | 512      | 10100     | Sealing of Concrete Surfaces (Epoxy-Urethane)                             | 710      | SY   |                    |            |
| 274                     | 512      | 33000     | Type 2 Waterproofing  | 68       | SY   |                    |            |
| 275                     | 513      | 20001     | Welded Stud Shear Connectors, As Per Plan                                 | 1,349    | Each |                    |            |
| 276                     | 516      | 13600     | 1" Preformed Expansion Joint Filler                                       | 77       | SF   |                    |            |
| 277                     | 518      | 20000     | Prefabricated Geocomposite Drain  | 603      | SY   |                    |            |
| 278                     | 518      | 42010     | 8" Non-Perforated Corrugated Plastic Pipe, Including Specials             | 408      | FT   |                    |            |
| 279                     | 524      | 94603     | Drilled Shafts, 30" Diameter Above Bedrock, Asp Per Plan                  | 319      | FT   |                    |            |
| 280                     | 524      | 94703     | Drilled Shafts, 36" Diameter Above Bedrock, Asp Per Plan                  | 822      | FT   |                    |            |
| 281                     | 524      | 94903     | Drilled Shafts, 48" Diameter Above Bedrock, Asp Per Plan                  | 1,123    | FT   |                    |            |
| 282                     | 530      | 13000     | Special - Form Liner  | 6,424    | SF   |                    |            |
| 283                     | 530      | 00200     | Special - Structures  | 1        | Lump |                    |            |
| 284                     | 530      | 51020     | Special - Retaining Wall, Timber Lagging                                  | 5,427    | SF   |                    |            |
|                         |          |           |   |          |      | <b>Sub-Total =</b> |            |
| <b>RETAINING WALL 4</b> |          |           |   |          |      |                    |            |
| 285                     | 503      | 11100     | Cofferdams and Excavation Bracing   | 1        | Lump |                    |            |
| 286                     | 503      | 21100     | Unclassified Excavation   | 757      | CY   |                    |            |
| 287                     | 509      | 10000     | Epoxy Coated Steel Reinforcement  | 60,089   | LB   |                    |            |
| 288                     | 511      | 46012     | Class QC1 Concrete With QC/QA, Retaining/Wingwall Not Including Footing   | 187      | CY   |                    |            |
| 289                     | 511      | 46513     | Class QC1 Concrete With QC/QA, Footing, As Per Plan                       | 269      | CY   |                    |            |
| 290                     | 512      | 10001     | Sealing of Concrete Surfaces, As Per Plan                                 | 246      | SY   |                    |            |
| 291                     | 512      | 10100     | Sealing of Concrete Surfaces (Epoxy-Urethane)                             | 246      | SY   |                    |            |
| 292                     | 512      | 33000     | Type 2 Waterproofing  | 25       | SY   |                    |            |
| 293                     | 516      | 13600     | 1" Preformed Expansion Joint Filler                                       | 205      | SF   |                    |            |
| 294                     | 518      | 21200     | Porous Backfill With Geotextile Fabric                                    | 409      | CY   |                    |            |
|                         |          |           |   |          |      | <b>Sub-Total =</b> |            |

HAM/WAR CR 4/CR 1-2.93  
 FIELDS-ERTEL ROAD WIDENING - PART 1  
 BID PROPOSAL

| Ref. No.                      | Item No. | Item Ext. | Description   | Quantity | Unit  | Unit Cost                           | Total Cost    |
|-------------------------------|----------|-----------|---|----------|-------|-------------------------------------|---------------|
| <b>MAINTENANCE OF TRAFFIC</b> |          |           |   |          |       |                                     |               |
| 295                           | 410      | 12000     | Traffic Compacted Surface, Type A or B                          | 500      | CY    |                                     |               |
| 296                           | 614      | 11110     | Law Enforcement Officer With Patrol Car For Assistance          | 200      | Hour  |                                     |               |
| 297                           | 614      | 13000     | Asphalt Concrete For Maintaining Traffic                        | 232      | CY    |                                     |               |
| 298                           | 614      | 12380     | Work Zone Impact Attenuator, 24" Wide Hazards, (Unidirectional) | 44       | Each  |                                     |               |
| 299                           | 614      | 12420     | Detour Signing  | 1        | Lump  |                                     |               |
| 300                           | 614      | 12460     | Work Zone Marking Sign  | 15       | Each  |                                     |               |
| 301                           | 614      | 12500     | Replacement Sign  | 10       | Each  |                                     |               |
| 302                           | 614      | 12600     | Replacement Drum  | 15       | Each  |                                     |               |
| 303                           | 614      | 12760     | Special - Flashing Arrow Panel                                  | 1        | Each  |                                     |               |
| 304                           | 614      | 12801     | Work Zone Raised Pavement Marker, As Per Plan                   | 127      | Each  |                                     |               |
| 305                           | 614      | 13310     | Barrier Reflector, Type 1 (Bi-Directional)                      | 147      | Each  |                                     |               |
| 306                           | 614      | 13312     | Barrier Reflector, Type 2 (Bi-Directional)                      | 13       | Each  |                                     |               |
| 307                           | 614      | 13360     | Object Marker, Two Way  | 162      | Each  |                                     |               |
| 308                           | 614      | 18601     | Portable Changeable Message Sign, As Per Plan                   | 12       | SNMT  |                                     |               |
| 309                           | 614      | 20000     | Work Zone Lane Line, Class I, 4"                                | 1.29     | Mile  |                                     |               |
| 310                           | 614      | 20560     | Work Zone Lane Line, Class III, 6", 642 Paint                   | 2        | Mile  |                                     |               |
| 311                           | 614      | 21000     | Work Zone Center Line, Class I                                  | 5.01     | Mile  |                                     |               |
| 312                           | 614      | 21550     | Work Zone Center Line, Class III, 642 Paint                     | 2        | Mile  |                                     |               |
| 313                           | 614      | 22000     | Work Zone Edge Line, Class I, 4"                                | 7.08     | Mile  |                                     |               |
| 314                           | 614      | 22360     | Work Zone Edge Line, Class III, 6" 642 Paint                    | 4        | Mile  |                                     |               |
| 315                           | 614      | 23000     | Work Zone Channelizing Line, Class I, 8"                        | 4,777    | FT    |                                     |               |
| 316                           | 614      | 23690     | Work Zone Channelizing Line, Class III, 12", 642 Paint          | 2,000    | FT    |                                     |               |
| 317                           | 614      | 24000     | Work Zone Dotted Line, Class I                                  | 981      | FT    |                                     |               |
| 318                           | 614      | 25000     | Work Zone Transverse/Diagonal Line, Class I                     | 695      | FT    |                                     |               |
| 319                           | 614      | 26000     | Work Zone Stop Line, Class I                                    | 633      | FT    |                                     |               |
| 320                           | 614      | 26610     | Work Zone Stop Line, Class III, 642 Paint                       | 180      | FT    |                                     |               |
| 321                           | 614      | 27010     | Work Zone Crosswalk Line, Class I, 12"                          | 1,183    | FT    |                                     |               |
| 322                           | 614      | 28000     | Work Zone Gore Marking, Class II                                | 607      | FT    |                                     |               |
| 323                           | 614      | 30000     | Work Zone Arrow, Class I  | 111      | Each  |                                     |               |
| 324                           | 614      | 30650     | Work Zone Arrow, Class III, 642 Paint                           | 8        | Each  |                                     |               |
| 325                           | 614      | 31000     | Work Zone Word On Pavement, 72", Class I                        | 6        | Each  |                                     |               |
| 326                           | 614      | 40050     | Business Entrance Sign  | 4        | Each  |                                     |               |
| 327                           | 615      | 10000     | Roads For Maintaining Traffic                                   | 1        | Lump  |                                     |               |
| 328                           | 615      | 25000     | Pavement For Maintaining Traffic, Class B                       | 3,237    | SY    |                                     |               |
| 329                           | 616      | 10000     | Water   | 180      | MGal  |                                     |               |
|                               |          |           |   |          |       | <b>Sub-Total =</b>                  |               |
| <b>INCIDENTALS</b>            |          |           |   |          |       |                                     |               |
| 330                           | 108      |           | CPM Progress Schedule, As Per Proposal Note                     | 1        | Lump  |                                     |               |
| 331                           | 614      | 11000     | Maintaining Traffic   | 1        | Lump  |                                     |               |
| 332                           | 619      | 16010     | Field Office, Type B  | 30       | Month |                                     |               |
| 333                           | 623      | 10000     | Construction Layout Stakes and Surveying                        | 1        | Lump  |                                     |               |
| 334                           | 624      | 10000     | Mobilization  | 1        | Lump  |                                     |               |
| 335                           | Special  |           | Contingency, As Per Proposal Note                               | 1        | Each  | \$ 500,000.00                       | \$ 500,000.00 |
|                               |          |           |   |          |       | <b>Sub-Total =</b>                  |               |
|                               |          |           |   |          |       | <b>Total Bid Price for Part 1 =</b> |               |