

RESOLUTION NO. 22-

BE IT RESOLVED by the City Council of the City of Huntsville, Alabama, that the Mayor be, and is hereby authorized, to enter into a contract between the City of Huntsville and the low bidder, Rogers Group, Inc., in the Not-to-Exceed (NTE) amount of EIGHT MILLION SIXTY-SIX THOUSAND FIVE HUNDRED SIX AND .14/100 DOLLARS (\$8,066,506.14), for Periodic Bid for Various Construction Projects-2021, Project No. 71-22-SP06, in Huntsville, Alabama, on behalf of the City of Huntsville, a municipal corporation in the State of Alabama. The contract time for this periodic contract is one (1) year from the date of award, with services provided on an as-needed basis with up to the Not-to-Exceed (NTE) Amount. The City of Huntsville reserves the right to extend the contract time for up to two (2) additional one (1) year periods with each renewal year having a new Not-to-Exceed (NTE) Amount in the same amount as the initial year. Notification of yearly renewal shall be by written letter from the City Engineer subject to City Council Approval, which said agreement is substantially in words and figures similar to that document attached hereto and identified as "Contract between City of Huntsville and Rogers Group, Inc. for Periodic Bid for Various Construction Projects-2021, Project No. 71-22-SP06," consisting of a total of one (1) page plus two hundred twenty-five (225) additional pages consisting of Attachments A2-Y, Supplement to General Requirements for Construction of Public Improvements and all Addenda, "Certification of Compliance with Title 39, Code of Alabama", and "E-Verify Statement", and the date of January 13, 2022, appearing on the margin of the first page, together with the signature of the President or President Pro Tem of the City Council, and an executed copy of said document being permanently kept on file in the Office of the City Clerk of the City of Huntsville, Alabama.

ADOPTED this the 13th day of January, 2022.

President of the City Council of the
City of Huntsville, Alabama

APPROVED this the 13th day of January, 2022.

Mayor of the City of Huntsville,
Alabama

**CONTRACT BETWEEN CITY OF HUNTSVILLE
AND
ROGERS GROUP, INC.
FOR
PERIODIC BID FOR VARIOUS CONSTRUCTION PROJECTS-2021
PROJECT NO. 71-22-SP06**

~~~~~  
**STATE OF ALABAMA}  
MADISON COUNTY}**

THIS CONTRACT, made and entered into this 13th day of January, 2022, between the CITY OF HUNTSVILLE, ALABAMA, a Municipal Corporation, sometimes referred to herein as City, and ROGERS GROUP, INC., sometimes referred to herein as Contractor.

**-WITNESSETH-**

WHEREAS, the City desires to install, construct or make certain improvements known as Periodic Bid for Various Construction Projects-2021, Project No. 71-22-SP06, in the City of Huntsville, Madison County, Alabama, all in accordance with details, specifications, surveys and general requirements prepared by the City of Huntsville Urban Development Department - Engineering Division, which are on file in the Office of the City Engineer of the City of Huntsville, Alabama, all of which details, specifications, surveys and general requirements are made a part of this contract, and

NOW, THEREFORE, it is agreed that the Contractor promises and agrees to make such improvements for the party of the first part for the considerations hereinafter set out. The Contractor promises and agrees to furnish all necessary labor, materials and equipment for the doing of the same, all to be done in accordance with such details, plans, specifications and general requirements hereto attached and made a part of this contract.

FOR THE PERFORMANCE of such work, the City agrees to pay the Contractor as follows per Attachment "A2".

\_\_\_\_\_  
Rogers Group, Inc.

BY:

\_\_\_\_\_  
Tommy Battle, Mayor

ATTEST: \_\_\_\_\_

\_\_\_\_\_  
Kenneth Benion  
City Clerk Treasurer

\_\_\_\_\_  
City Council President

DATE: October 25, 2018

**PERIODIC BID FOR VARIOUS CONSTRUCTION PROJECTS-2021**  
**PROJECT #71-22-SP08**

**CITY OF HUNTSVILLE, ALABAMA**

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|                                                                                                  |                                                                                                                     |         |          |            |              |  |        |
|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|---------|----------|------------|--------------|--|--------|
| ATTACHMENT "A2"                                                                                  |                                                                                                                     |         |          |            |              |  | 1/5/22 |
| Periodic Bid for Various Construction Projects-2021                                              |                                                                                                                     |         |          |            |              |  |        |
| Project No. 71-22-SP06                                                                           |                                                                                                                     |         |          |            |              |  |        |
| BASE BID                                                                                         |                                                                                                                     |         |          |            |              |  |        |
| DESCRIPTION                                                                                      |                                                                                                                     | BID QTY | BID UNIT | UNIT PRICE | BID AMOUNT   |  |        |
| All prices include the removal and disposal, including hauling of soil and materials.            |                                                                                                                     |         |          |            |              |  |        |
| 1. MOBILIZATION                                                                                  |                                                                                                                     |         |          |            |              |  |        |
| A. CONTRACT MOBILIZATION, (3% OF THE TOTAL COST OF THE WORK ORDER ADJUSTED FOR FINAL QUANTITIES) |                                                                                                                     |         |          |            |              |  |        |
| B. PROJECT MOBILIZATION                                                                          |                                                                                                                     |         |          |            |              |  |        |
| 2                                                                                                | Project Mobilization A (will be paid on projects that have a cost less than \$1,000.00)                             | 5       | EA       | \$650.00   | \$3,250.00   |  |        |
| 3                                                                                                | Project Mobilization B (will be paid on projects that have a cost > or equal to \$1,000.00 but < than \$5,000.00)   | 10      | EA       | \$950.00   | \$9,500.00   |  |        |
| 4                                                                                                | Project Mobilization C (will be paid on projects that have a cost > or equal to \$5,000.00 but < than \$10,000.00)  | 20      | EA       | \$2,450.00 | \$49,000.00  |  |        |
| 5                                                                                                | Project Mobilization D (will be paid on projects that have a cost > or equal to \$10,000.00 but < than \$25,000.00) | 25      | EA       | \$2,750.00 | \$68,750.00  |  |        |
| 6                                                                                                | Project Mobilization E (will be paid on projects that have a cost > or equal to \$25,000.00 but < than \$50,000.00) | 25      | EA       | \$5,250.00 | \$131,250.00 |  |        |
| 7                                                                                                | Project Mobilization F (will be paid on projects that have a cost > or equal to \$50,000.00 but < than \$75,000.00) | 5       | EA       | \$8,500.00 | \$42,500.00  |  |        |

|   |                                                                                                                      |   |    |             |             |  |  |
|---|----------------------------------------------------------------------------------------------------------------------|---|----|-------------|-------------|--|--|
|   |                                                                                                                      |   |    |             |             |  |  |
| 8 | Project Mobilization G (will be paid on projects that have a cost > or equal to \$75,000.00 but < than \$100,000.00) | 4 | EA | \$10,000.00 | \$40,000.00 |  |  |
| 9 | Project Mobilization H (will be paid on projects that have a cost > than \$100,000.00 but < than \$200,000.00)       | 2 | EA | \$11,500.00 | \$23,000.00 |  |  |

**II. STREET CONSTRUCTION**

|    |                                                                                       |       |    |          |             |  |  |
|----|---------------------------------------------------------------------------------------|-------|----|----------|-------------|--|--|
| 10 | New City Std. (24") Concrete Curb and Gutter                                          | 1,000 | LF | \$24.50  | \$24,500.00 |  |  |
| 11 | New "N" Type Curb shown on ALDOT Drawing #623-N Special, dated 3-21-81                | 100   | LF | \$24.50  | \$2,450.00  |  |  |
| 12 | New (24") Concrete Valley Curb                                                        | 500   | LF | \$24.50  | \$12,250.00 |  |  |
| 13 | 4" Thick Concrete for new sidewalk and/or traffic islands (Less than 200 SY)          | 500   | SY | \$56.00  | \$28,000.00 |  |  |
| 14 | 4" Thick Concrete for new sidewalk and/or traffic islands (Between 200 SY and 500 SY) | 500   | SY | \$56.00  | \$28,000.00 |  |  |
| 15 | 4" Thick Concrete for new sidewalk and/or traffic islands (Between 500 SY and 750 SY) | 500   | SY | \$56.00  | \$28,000.00 |  |  |
| 16 | 4" Thick Concrete for new sidewalk and/or traffic islands (More than 1000 SY)         | 500   | SY | \$56.00  | \$28,000.00 |  |  |
| 17 | 6" Thick Concrete for new sidewalk and/or traffic islands and/or driveways            | 200   | SY | \$63.00  | \$12,600.00 |  |  |
| 18 | Removal of Concrete Curb and Gutter or Valley Gutter (Includes Disposal of Spoils)    | 500   | LF | \$8.50   | \$4,250.00  |  |  |
| 19 | Handicap Ramps, Landings and Flares (All Configurations)                              | 100   | SY | \$250.00 | \$25,000.00 |  |  |

|    |                                                                                                                                                                                                                                                                                          |        |       |            |             |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------|------------|-------------|
| 20 | Handicap Ramp 6" Wide Concrete Checkwall (Height Varies 0"-6")                                                                                                                                                                                                                           | 250    | LF    | \$25.00    | \$6,250.00  |
| 21 | Handicap Ramp DWS Armor-Tile or Approved Equal (Red)                                                                                                                                                                                                                                     | 80     | SF    | \$40.00    | \$3,200.00  |
| 22 | Handicap Ramp DWS Concrete Paver ACME Brick Company ADA Concrete Paver Item No. 824645 (Red) or Equal                                                                                                                                                                                    | 20     | SF    | \$60.00    | \$1,200.00  |
| 23 | New Type "N" Special Safety Noses for islands and medians as shown on ALDOT Drawing #623-N Special, dated 3-21-81 (attached) Gores and/or Noses Type "B"                                                                                                                                 | 5      | EA    | \$2,250.00 | \$11,250.00 |
| 24 | New 6" Thick Concrete Driveway Aprons                                                                                                                                                                                                                                                    | 80     | SY    | \$70.00    | \$5,600.00  |
| 25 | Removal of Driveway Aprons                                                                                                                                                                                                                                                               | 80     | SY    | \$16.50    | \$1,320.00  |
| 26 | New 4" Thick Concrete Driveway with 6X6W 2.9 reinforcing wire mesh                                                                                                                                                                                                                       | 80     | SY    | \$65.00    | \$5,200.00  |
| 27 | New Standard Median Curb (COH Standard Drawing No. ST-202)                                                                                                                                                                                                                               | 50     | LF    | \$24.50    | \$1,225.00  |
| 28 | Removal and Replacement of Single Wing "S" Type Inlet, Top Only, (COH Standard Drawing Nos. DR-120A, DR-120B, and DR-120C - ALL referenced DR Drawings found in the City of Huntsville Engineering Standards for Construction of Public Improvements 1991); Includes Disposal of Spoils) | 30     | EA    | \$1,650.00 | \$49,500.00 |
| 29 | Removal and Replacement of Double Wing "S" Type Inlet, Top Only, (COH Standard Drawing Nos. DR-120A, DR-120B, and DR-120C; Includes Disposal of Spoils)                                                                                                                                  | 30     | EA    | \$1,775.00 | \$53,250.00 |
| 30 | Removal of asphalt paving, other than by milling, per sq.yd./in. of thickness (Includes Disposal of Spoils)                                                                                                                                                                              | 10,000 | SY-IN | \$2.25     | \$22,500.00 |

|    |                                                                                                                                                                                                            |        |       |          |              |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------|----------|--------------|
| 31 | Milling of Existing Asphalt Pavement (per square yard / inch of depth) - less than 100 SY                                                                                                                  | 10,000 | SY-IN | \$2.50   | \$25,000.00  |
| 32 | Milling of Existing Asphalt Pavement (per square yard / inch of depth) - over 100 SY                                                                                                                       | 10,000 | SY-IN | \$2.50   | \$25,000.00  |
| 33 | Removal of concrete sidewalk and concrete driveways (Includes Disposal of Spoils)                                                                                                                          | 500    | SY-IN | \$3.00   | \$1,500.00   |
| 34 | Plant Mix Bituminous Base for Street Repair (trenches and patching) per ton in place in accordance with Section 327 per Standard Specifications, ALDOT                                                     | 100    | TONS  | \$140.00 | \$14,000.00  |
| 35 | Plant Mix Bituminous Wearing Course for Street Repair (trenches and patching), per ton in place in accordance with Section 410 Standard Specifications, ALDOT                                              | 100    | TONS  | \$155.00 | \$15,500.00  |
| 36 | Graded limestone rock for stabilization of roadway, subgrade. Price includes delivery of material to job site, dumping, spreading, and compacting. (delivery tickets)                                      | 5,000  | TONS  | \$26.50  | \$132,500.00 |
| 37 | Manhole Risers                                                                                                                                                                                             | 10     | EA    | \$300.00 | \$3,000.00   |
| 38 | 420A Polymer Modified Open Graded Friction Course, 90 Lbs/SY To Include Tack                                                                                                                               | 100    | TON   | \$175.00 | \$17,500.00  |
| 39 | 424-C Superpave Bituminous Concrete Base Layer Leveling, 3/8" Maximum Aggregate Size, ESAL Range C/D                                                                                                       | 100    | TONS  | \$90.00  | \$9,000.00   |
| 40 | Dense Graded Base, placed in accordance with Section 301 of the Standard Specifications, ALDOT. All materials shall be in accordance with Section 825, Type B, 100% compaction. Bid to include excavation. | 2,000  | TONS  | \$30.00  | \$60,000.00  |



|    |                                                                                                                                                                                                                                                              |       |      |          |              |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------|----------|--------------|
| 41 | 424-A Superpave Bituminous Concrete Wearing Surface Layer - 3/8" Maximum Aggregate Size Mix ESAL Range C/D (Asphalt Spreader Equipment)                                                                                                                      | 1,000 | TONS | \$105.00 | \$105,000.00 |
| 42 | 424-B Superpave Bituminous Concrete Binder Upper Layer - 1" Maximum Aggregate Size Mix, ESAL Range C/D (Asphalt Spreader Equipment)                                                                                                                          | 1,000 | TONS | \$90.00  | \$90,000.00  |
| 43 | Dense Graded Base Material - placed and compacted along roadway shoulder. Price includes delivery of material to job site, dumping, spreading, and compacting (delivery tickets required). Traffic Control not included under this item. - LESS THAN 50 TONS | 100   | TONS | \$32.00  | \$3,200.00   |
| 44 | Dense Graded Base Material - placed and compacted along roadway shoulder. Price includes delivery of material to job site, dumping, spreading, and compacting (delivery tickets required). Traffic Control not included under this item. 50-100 TONS         | 200   | TONS | \$32.00  | \$6,400.00   |
| 45 | Dense Graded Base Material - placed and compacted along roadway shoulder. Price includes delivery of material to job site, dumping, spreading, and compacting (delivery tickets required). Traffic Control not included under this item. OVER 100 TONS       | 400   | TONS | \$32.00  | \$12,800.00  |

### III. DRAINAGE CONSTRUCTION

#### A. EXCAVATION PER SECTION 105 COH STANDARDS

|    |                                                                                        |     |    |          |            |
|----|----------------------------------------------------------------------------------------|-----|----|----------|------------|
|    | 1. Channel Excavation (measured in its original position computed by average end area) |     |    |          |            |
| 46 | Less than 200 Cubic Yards                                                              | 100 | CY | \$15.00  | \$1,500.00 |
| 47 | 200 - 500 Cubic Yards                                                                  | 350 | CY | \$15.00  | \$5,250.00 |
| 48 | 2. Solid Rock Excavation (trench and channel rock; Includes Disposal of Spoils)        | 60  | CY | \$155.00 | \$9,300.00 |

|                                                                            |                                                                                                       |                                                                                                                                                                               |      |         |  |              |  |
|----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------|--|--------------|--|
| 01/13/22                                                                   |                                                                                                       | 3. Unclassified Excavation (Includes removal and disposal from job site and/or reusing material at job site as backfill, fill, or topsoil, placed and compacted as directed). |      |         |  |              |  |
| 49                                                                         | Less than 200 Cubic Yards                                                                             | 10,000                                                                                                                                                                        | CY   | \$11.50 |  | \$115,000.00 |  |
| 50                                                                         | 200 - 500 Cubic Yards                                                                                 | 10,000                                                                                                                                                                        | CY   | \$11.00 |  | \$110,000.00 |  |
| 51                                                                         | Over 500 Cubic Yards                                                                                  | 10,000                                                                                                                                                                        | CY   | \$10.00 |  | \$100,000.00 |  |
| 4. Borrow Excavation, In Place Measurement                                 |                                                                                                       |                                                                                                                                                                               |      |         |  |              |  |
| 52                                                                         | Less than 200 Cubic Yards, in place measurement                                                       | 5,000                                                                                                                                                                         | CY   | \$11.50 |  | \$57,500.00  |  |
| 53                                                                         | 200 - 500 Cubic Yards, in place measurement                                                           | 5,000                                                                                                                                                                         | CY   | \$13.50 |  | \$67,500.00  |  |
| 54                                                                         | Over 500 Cubic Yards, in place measurement                                                            | 5,000                                                                                                                                                                         | CY   | \$13.50 |  | \$67,500.00  |  |
| B. STONE RIP RAP CONSTRUCTION                                              |                                                                                                       |                                                                                                                                                                               |      |         |  |              |  |
| 55                                                                         | 1. Stone obtained from jobsite and placed on ditch side slopes and/or in ditch bottom, 12" thick min. | 30                                                                                                                                                                            | SY   | \$22.50 |  | \$675.00     |  |
| 2. Stone hauled in and placed on ditch side slopes and/or in ditch bottom, |                                                                                                       |                                                                                                                                                                               |      |         |  |              |  |
| 56                                                                         | Class 1 Rip Rap (Less than 200 Tons)                                                                  | 100                                                                                                                                                                           | TONS | \$40.00 |  | \$4,000.00   |  |
| 57                                                                         | Class 1 Rip Rap (200 Tons or More)                                                                    | 300                                                                                                                                                                           | TONS | \$40.00 |  | \$12,000.00  |  |
| 58                                                                         | Class 2 Rip Rap (Less than 200 Tons)                                                                  | 100                                                                                                                                                                           | TONS | \$40.00 |  | \$4,000.00   |  |
| 59                                                                         | Class 2 Rip Rap (200 Tons or More)                                                                    | 300                                                                                                                                                                           | TONS | \$40.00 |  | \$12,000.00  |  |

|                                                      |                                                                                                                                                                                                 |     |      |          |              |  |  |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|----------|--------------|--|--|
|                                                      | 3. Stone Riprap (grouted in place)<br>Type II Placement, Type II Finish                                                                                                                         |     |      |          |              |  |  |
| 60                                                   | Class 1 Riprap, 12" thick min. (Less than 200 Tons)                                                                                                                                             | 100 | TONS | \$76.50  | \$7,650.00   |  |  |
| 61                                                   | Class 1 Riprap, 12" thick min. (200 Tons or More)                                                                                                                                               | 300 | TONS | \$76.50  | \$22,950.00  |  |  |
| 62                                                   | Class 2 Riprap (Less than 200 Tons)                                                                                                                                                             | 100 | TONS | \$76.50  | \$7,650.00   |  |  |
| 63                                                   | Class 2 Riprap (200 Tons or More)                                                                                                                                                               | 300 | TONS | \$76.50  | \$22,950.00  |  |  |
| 64                                                   | 4. Filter Fabric Blanket, Section 610 of ALDOT Specs                                                                                                                                            | 166 | SY   | \$4.00   | \$664.00     |  |  |
| C. MISCELLANEOUS CONCRETE AND REINFORCING STEEL BARS |                                                                                                                                                                                                 |     |      |          |              |  |  |
| 65                                                   | Unreinforced Concrete (includes forming, pouring, finishing, complete-in-place)                                                                                                                 | 25  | CY   | \$550.00 | \$13,750.00  |  |  |
| 66                                                   | Reinforced Concrete (includes forming, pouring, finishing, steel reinforcement, complete-in-place).                                                                                             | 25  | CY   | \$725.00 | \$18,125.00  |  |  |
| 67                                                   | Concrete Flume (City of Huntsville Standard Drawing No. DR-161) *Price per square yard of surface area includes all reinforcement, joints, and miscellaneous items shown in the detail drawing. | 500 | SY   | \$55.00  | \$27,500.00  |  |  |
| 68                                                   | Concrete for Box Culvert and Wing Walls (includes forming, steel reinforcement, pouring, and finishing, complete -in-place)                                                                     | 250 | CY   | \$825.00 | \$206,250.00 |  |  |

|    |                                                                                                                                                                                                                                                                                                                                     |     |    |         |             |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|---------|-------------|
| 69 | Reinforced Concrete Slope Paving with 4" Thick Gravel Base (City of Huntsville Standard Drawing Nos. DR-164A, DR-164B, DR-164C, DR-164D, and DR-164E *Price per square yard of surface area includes all reinforcement, joints, weep holes, filter fabric, and miscellaneous items shown on the detail drawings. (Less than 200 SY) | 199 | SY | \$85.00 | \$16,915.00 |
| 70 | Reinforced Concrete Slope Paving with 4" Thick Gravel Base (City of Huntsville Standard Drawing Nos. DR-164A, DR-164B, DR-164C, DR-164D, and DR-164E *Price per square yard of surface area includes all reinforcement, joints, weep holes, filter fabric, and miscellaneous items shown on the detail drawings. (200 SY or More)   | 300 | SY | \$85.00 | \$25,500.00 |

**D. NEW REINFORCED ROUND CONCRETE PIPE INSTALLED IN PLACE, PER LF (INCLUDES EXCAVATION DISPOSAL OF SPOILS, 6" STONE BEDDING, SOIL FROM EXCAVATION, BACKFILL AND COMPACTION)**

|    |                                                                                                                                                                                                             |     |    |         |             |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|---------|-------------|
| 71 | 15" Class III R.C. Pipe, 0' - 8' depth                                                                                                                                                                      | 800 | LF | \$57.50 | \$46,000.00 |
| 72 | 15" Class III R.C. Pipe, 0' - 8' depth (Labor Only-COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation) | 800 | LF | \$36.50 | \$29,200.00 |
| 73 | 18" Class III R.C. Pipe, 0' - 8' depth                                                                                                                                                                      | 800 | LF | \$61.00 | \$48,800.00 |
| 74 | 18" Class III R.C. Pipe, 0' - 8' depth (Labor Only-COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation) | 800 | LF | \$36.50 | \$29,200.00 |



|    |                                                                                                                                                                                                             |     |    |          |             |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|----------|-------------|
| 75 | 24" Class III R.C. Pipe, 0' - 8' depth                                                                                                                                                                      | 480 | LF | \$73.00  | \$35,040.00 |
| 76 | 24" Class III R.C. Pipe, 0' - 8' depth (Labor Only-COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation) | 480 | LF | \$36.50  | \$17,520.00 |
| 77 | 30" Class III R.C. Pipe, 0' - 8' depth                                                                                                                                                                      | 400 | LF | \$94.50  | \$37,800.00 |
| 78 | 30" Class III R.C. Pipe, 0' - 8' depth (Labor Only-COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation) | 400 | LF | \$44.00  | \$17,600.00 |
| 79 | 36" Class III R.C. Pipe, 0' - 8' depth                                                                                                                                                                      | 88  | LF | \$110.50 | \$9,724.00  |
| 80 | 36" Class III R.C. Pipe, 0' - 8' depth (Labor Only-COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation) | 88  | LF | \$48.00  | \$4,224.00  |
| 81 | 42" Class III R.C. Pipe, 0' - 8' depth                                                                                                                                                                      | 60  | LF | \$130.00 | \$7,800.00  |
| 82 | 42" Class III R.C. Pipe, 0' - 8' depth (Labor Only-COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation) | 60  | LF | \$54.00  | \$3,240.00  |
| 83 | 48" Class III R.C. Pipe, 0' - 8' depth                                                                                                                                                                      | 60  | LF | \$166.50 | \$9,990.00  |
| 84 | 48" Class III R.C. Pipe, 0' - 8' depth (Labor Only-COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation) | 60  | LF | \$71.50  | \$4,290.00  |
| 85 | 54" Class III R.C. Pipe, 0' - 8' depth                                                                                                                                                                      | 60  | LF | \$205.50 | \$12,330.00 |

|    |                                                                                                                                                                                                             |    |    |          |             |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|----------|-------------|
| 86 | 54" Class III R.C. Pipe, 0' - 8' depth (Labor Only-COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation) | 60 | LF | \$71.50  | \$4,290.00  |
| 87 | 60" Class III R.C. Pipe, 0' - 8' depth                                                                                                                                                                      | 60 | LF | \$257.00 | \$15,420.00 |
| 88 | 60" Class III R.C. Pipe, 0' - 8' depth (Labor Only-COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation) | 60 | LF | \$85.50  | \$5,130.00  |
| 89 | 66" Class III R.C. Pipe, 0' - 8' depth                                                                                                                                                                      | 60 | LF | \$330.50 | \$19,830.00 |
| 90 | 66" Class III R.C. Pipe, 0' - 8' depth (Labor Only-COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation) | 60 | LF | \$85.50  | \$5,130.00  |
| 91 | 72" Class III R.C. Pipe, 0' - 8' depth                                                                                                                                                                      | 60 | LF | \$370.00 | \$22,200.00 |
| 92 | 72" Class III R.C. Pipe, 0' - 8' depth (Labor Only-COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation) | 60 | LF | \$106.50 | \$6,390.00  |
| 93 | E. NEW REINFORCED CL III CONCRETE<br>ARCH PIPE INSTALLED IN PLACE PER<br>LF (INCLUDES DISPOSAL OF SPOILS,<br>6" STONE BEDDING, SOIL FROM<br>EXCAVATION, BACKFILL AND<br>COMPACTION)                         |    |    |          |             |
|    | 11" X 18" Class III R.C. Arch Pipe, 0' - 8' depth                                                                                                                                                           | 60 | LF | \$71.50  | \$4,290.00  |

|     |                                                                                                                                                                                                                                |    |    |          |            |
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| 94  | 11" X 18" Class III R.C. Arch Pipe, 0' - 8' depth (Labor Only-COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation)         | 60 | LF | \$36.00  | \$2,160.00 |
| 95  | 13" x 22" Class III R.C. Arch Pipe, 0' - 8' depth                                                                                                                                                                              | 60 | LF | \$79.00  | \$4,740.00 |
| 96  | 13" x 22" Class III R.C. Arch Pipe, 0' - 8' depth (Labor Only-COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation)         | 60 | LF | \$36.00  | \$2,160.00 |
| 97  | 18" x 29" Class III R.C. Arch Pipe, 0' - 8' depth                                                                                                                                                                              | 60 | LF | \$97.00  | \$5,820.00 |
| 98  | 18" x 29" Class III R.C. Arch Pipe, 0' - 8' depth (Labor Only-COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation)         | 60 | LF | \$36.50  | \$2,190.00 |
| 99  | 22-1/2" x 36-1/4" Class III R.C. Arch Pipe, 0' - 8' depth                                                                                                                                                                      | 60 | LF | \$125.50 | \$7,530.00 |
| 100 | 22-1/2" x 36-1/4" Class III R.C. Arch Pipe, 0' - 8' depth (Labor Only-COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation) | 60 | LF | \$48.00  | \$2,880.00 |
| 101 | 26-5/8" x 43-3/4" Class III R.C. Arch Pipe, 0' - 8' depth                                                                                                                                                                      | 60 | LF | \$155.50 | \$9,330.00 |
| 102 | 26-5/8" x 43-3/4" Class III R.C. Arch Pipe, 0' - 8' depth (Labor Only-COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation) | 60 | LF | \$55.00  | \$3,300.00 |

|                                                                                                                                                           |                                                                                                                                                                                                                                 |    |    |            |             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|------------|-------------|
| 103                                                                                                                                                       | 31-5/16" x 51-1/8" Class III R.C. Arch Pipe, 0' - 8' depth                                                                                                                                                                      | 60 | LF | \$195.00   | \$11,700.00 |
| 104                                                                                                                                                       | 31-5/16" x 51-1/8" Class III R.C. Arch Pipe, 0' - 8' depth (Labor Only-COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation) | 60 | LF | \$55.00    | \$3,300.00  |
| 105                                                                                                                                                       | 36" x 58" Class III R.C. Arch Pipe, 0' - 8' depth                                                                                                                                                                               | 60 | LF | \$247.00   | \$14,820.00 |
| 106                                                                                                                                                       | 36" x 58" Class III R.C. Arch Pipe, 0' - 8' depth (Labor Only-COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation)          | 60 | LF | \$72.00    | \$4,320.00  |
| 107                                                                                                                                                       | 40" x 65" Class III R.C. Arch Pipe, 0' - 8' depth                                                                                                                                                                               | 60 | LF | \$294.00   | \$17,640.00 |
| 108                                                                                                                                                       | 40" x 65" Class III R.C. Arch Pipe, 0' - 8' depth (Labor Only-COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation)          | 60 | LF | \$72.00    | \$4,320.00  |
| F. NEW PRECAST FLARED PIPE END SECTIONS (TYPE J) INSTALLED IN PLACE (INCLUDES DISPOSAL OF SPOILS, BEDDING, SOIL FROM EXCAVATION, BACKFILL AND COMPACTION) |                                                                                                                                                                                                                                 |    |    |            |             |
| 109                                                                                                                                                       | 15" Flared End Section                                                                                                                                                                                                          | 10 | EA | \$1,150.00 | \$11,500.00 |
| 110                                                                                                                                                       | 18" Flared End Section                                                                                                                                                                                                          | 10 | EA | \$1,275.00 | \$12,750.00 |
| 111                                                                                                                                                       | 24" Flared End Section                                                                                                                                                                                                          | 10 | EA | \$1,450.00 | \$14,500.00 |
| 112                                                                                                                                                       | 30" Flared End Section                                                                                                                                                                                                          | 5  | EA | \$1,800.00 | \$9,000.00  |



|     |                                                                                       |    |    |            |             |
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|     |                                                                                       |    |    |            |             |
| 113 | 36" Flared End Section                                                                | 5  | EA | \$2,550.00 | \$12,750.00 |
| 114 | 42" Flared End Section                                                                | 5  | EA | \$3,450.00 | \$17,250.00 |
|     | G. CONSTRUCTION OF SINGLE "S" INLET,<br>(DRAWING NOS. DR-120A, DR-120B, DR-120C)      |    |    |            |             |
| 115 | Standard Size, 4'-0" x 4'-6" Box and 8'-6" wing, (0'-6' depth)                        | 10 | EA | \$2,600.00 | \$26,000.00 |
|     | H. CONSTRUCTION OF DOUBLE "S" TYPE<br>INLET, (DRAWING NOS. DR-120A, DR-120B, DR-120C) |    |    |            |             |
| 116 | Standard Size, 4'-0" x 4'-6" Box and 8'-6" wing, (0'-6' depth)                        | 4  | EA | \$2,850.00 | \$11,400.00 |
|     | I. CONSTRUCTION OF SINGLE CURB INLET<br>(DRAWING NOS. DR-105A, DR-105B)               |    |    |            |             |
| 117 | Standard Size, (0'-6' depth)                                                          | 4  | EA | \$2,950.00 | \$11,800.00 |
|     | J. CONSTRUCTION OF DOUBLE CURB INLET,<br>(DRAWING NOS. DR-110A AND DR-110B)           |    |    |            |             |
| 118 | Standard Size, (0'-6' depth)                                                          | 4  | EA | \$3,150.00 | \$12,600.00 |
|     | K. CONSTRUCTION OF OPEN THROAT<br>INLET, (DRAWING NOS. DR-127A, DR-127B, DR-127C)     |    |    |            |             |
| 119 | Standard Size, (4'-4" x 4'-4" Box, 0'-6' depth)                                       | 10 | EA | \$2,250.00 | \$22,500.00 |
|     | L. CONSTRUCTION OF OPEN THROAT<br>INLET, (TYPE "M"). See Attachment "N" for Detail.   |    |    |            |             |
| 120 | Standard Size (4'-9" x 4' Box, 0'-6' depth)                                           | 4  | EA | \$2,750.00 | \$11,000.00 |

|          |  |                                                                                      |   |    |            |  |  |             |  |
|----------|--|--------------------------------------------------------------------------------------|---|----|------------|--|--|-------------|--|
| 01/13/22 |  | M. CONSTRUCTION OF OPEN THROAT INLET, (TYPE "C"). See Attachment "M" for Detail.     |   |    |            |  |  |             |  |
| 121      |  | Standard Size (4'-9" x 4' Box, 0'-6' depth)                                          | 4 | EA | \$3,050.00 |  |  | \$12,200.00 |  |
|          |  | N. CONSTRUCTION OF GRATE INLET, TRAFFIC TYPE (DRAWING NOS. DR-125A AND DR-125B)      |   |    |            |  |  |             |  |
| 122      |  | Standard Size, (3'-6" x 3'-6" Box, 0'-6' depth)                                      | 5 | EA | \$2,250.00 |  |  | \$11,250.00 |  |
|          |  | O. CONSTRUCTION OF GRATE INLET TRAFFIC TYPE (DRAWING NOS. DR-125C, AND DR-125D)      |   |    |            |  |  |             |  |
| 123      |  | Standard Size (6'-0" x 5'-0" Box, 0'-6' deep)                                        | 2 | EA | \$2,650.00 |  |  | \$5,300.00  |  |
|          |  | P. CONSTRUCTION OF GRATE INLET, NON-TRAFFIC TYPE (DRAWING NOS. DR-126A AND DR-126B)  |   |    |            |  |  |             |  |
| 124      |  | Standard Size, (3'-6" x 3'-6" Box, 0'-6' depth)                                      | 4 | EA | \$2,250.00 |  |  | \$9,000.00  |  |
|          |  | Q. CONSTRUCTION OF GRATE INLET, NON-TRAFFIC TYPE (DRAWING NOS. DR-126C, and DR-126D) |   |    |            |  |  |             |  |
| 125      |  | Standard Size (6' x 5' Box, 0'-6' deep)                                              | 2 | EA | \$2,650.00 |  |  | \$5,300.00  |  |
|          |  | R. CONSTRUCTION OF JUNCTION BOX, TRAFFIC TYPE (DRAWING NOS. DR-140A AND DR-140B)     |   |    |            |  |  |             |  |
| 126      |  | Standard Size (3'-6" x 3'-6" Box, 0'-6' depth)                                       | 4 | EA | \$2,100.00 |  |  | \$8,400.00  |  |
|          |  | S. CONSTRUCTION OF JUNCTION BOX, TRAFFIC TYPE (DRAWING NOS. DR-141A AND DR-141B)     |   |    |            |  |  |             |  |
| 127      |  | Standard Size (6'-0" x 5'-0" Box, 0'-6' deep)                                        | 2 | EA | \$2,350.00 |  |  | \$4,700.00  |  |



|          |                                                                                                                                                                                             |    |    |            |  |             |  |
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| 22       | W. CONSTRUCTION OF HEADWALL FOR<br>DOUBLE PIPE (DRAWING NOS. DR-151A,<br>DR-151B)                                                                                                           |    |    |            |  |             |  |
| 01/13/22 |                                                                                                                                                                                             |    |    |            |  |             |  |
| 140      | 18" pipe                                                                                                                                                                                    | 1  | EA | \$2,450.00 |  | \$2,450.00  |  |
| 141      | 24" pipe                                                                                                                                                                                    | 1  | EA | \$3,050.00 |  | \$3,050.00  |  |
| 142      | 30" pipe                                                                                                                                                                                    | 1  | EA | \$3,500.00 |  | \$3,500.00  |  |
| 143      | 36" pipe                                                                                                                                                                                    | 1  | EA | \$3,900.00 |  | \$3,900.00  |  |
| 144      | 42" pipe                                                                                                                                                                                    | 1  | EA | \$4,400.00 |  | \$4,400.00  |  |
| 145      | 48" pipe                                                                                                                                                                                    | 1  | EA | \$5,350.00 |  | \$5,350.00  |  |
| 146      | X. SLOPE PAVED HEADWALLS FOR PIPE,<br>PRICE PER SQUARE YARD OF EXPOSED<br>SURFACE. (DRAWING NOS. DR-152A,<br>DR-152B, DR-152C, DR-153A, DR-153B,<br>DR-153C, DR-153D)                       | 21 | SY | \$300.00   |  | \$6,300.00  |  |
|          | Y. TRENCH DRAIN CHANNELS AND GRATES                                                                                                                                                         |    |    |            |  |             |  |
| 147      | Trench Grate with sloped channel includes forming,<br>concrete, and all materials, complete in place (see<br>attachment P)                                                                  | 30 | LF | \$250.00   |  | \$7,500.00  |  |
| 148      | Trench Grate with Flat channel including 12" wide<br>(traffic) gray iron (class 30) slotted grate includes<br>forming, concrete, and all materials, complete in<br>place (see attachment O) | 30 | LF | \$350.00   |  | \$10,500.00 |  |
| 149      | Tie Ins - Channels to existing drainage structure<br>(pipe or box)                                                                                                                          | 10 | EA | \$700.00   |  | \$7,000.00  |  |
| 150      | Heavy Duty Vane Type Grate Inlet including frame<br>(Neenah R-4999-L3, or equal)                                                                                                            | 26 | LF | \$325.00   |  | \$8,450.00  |  |



|     |                                                                                                                                                                                                                                                                                                                                               |     |    |            |             |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|------------|-------------|
| 151 | Concrete Trench for Heavy Duty Vane Type Grate, 12" trench width, depth 12" - 18". Construction and installation per manufacturer's recommendations                                                                                                                                                                                           | 26  | LF | \$135.00   | \$3,510.00  |
|     | <b>Z. SAFETY GRATES FOR FLARED END PIPE SECTIONS, CROSSING UNDER ROADWAY</b>                                                                                                                                                                                                                                                                  |     |    |            |             |
| 152 | 24" Flared End Pipe Section                                                                                                                                                                                                                                                                                                                   | 10  | EA | \$1,750.00 | \$17,500.00 |
| 153 | 30" Flared End Pipe Section                                                                                                                                                                                                                                                                                                                   | 10  | EA | \$2,050.00 | \$20,500.00 |
| 154 | 36" Flared End Pipe Section                                                                                                                                                                                                                                                                                                                   | 10  | EA | \$2,750.00 | \$27,500.00 |
| 155 | 42" Flared End Pipe Section                                                                                                                                                                                                                                                                                                                   | 10  | EA | \$3,750.00 | \$37,500.00 |
| 156 | 48" Flared End Pipe Section                                                                                                                                                                                                                                                                                                                   | 10  | EA | \$5,000.00 | \$50,000.00 |
| 157 | 54" Flared End Pipe Section                                                                                                                                                                                                                                                                                                                   | 10  | EA | \$7,000.00 | \$70,000.00 |
|     | <b>AA. NEW HIGH DENSITY POLYETHYLENE PIPE (N-12) OR EQUAL INSTALLED IN PLACE, PER LF INCLUDES EXCAVATION, STONE BEDDING, STONE BACKFILL, AND DISPOSAL OF SPOILS (INSTALLED PER ASTM D2321- LATEST EDITION OR MANUFACTURER'S RECOMMENDATIONS, PIPE WILL BE CORRUGATED/SMOOTH INTERIOR PIPE (TYPE S) ASTM F2306 AND AASHT (LATEST EDITION))</b> |     |    |            |             |
| 158 | 4" Pipe, 0-6' deep                                                                                                                                                                                                                                                                                                                            | 200 | LF | \$21.50    | \$4,300.00  |
| 159 | 6" Pipe, 0-6' deep                                                                                                                                                                                                                                                                                                                            | 200 | LF | \$25.00    | \$5,000.00  |
| 160 | 8" Pipe, 0-8' deep                                                                                                                                                                                                                                                                                                                            | 200 | LF | \$28.00    | \$5,600.00  |
| 161 | 10" Pipe, 0-8' deep                                                                                                                                                                                                                                                                                                                           | 200 | LF | \$38.50    | \$7,700.00  |
| 162 | 12" Pipe, 0-8' deep                                                                                                                                                                                                                                                                                                                           | 200 | LF | \$49.50    | \$9,900.00  |

|     |                                                                                                                                                                                        |     |    |          |             |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|----------|-------------|
| 163 | 15" Pipe, 0-8' deep                                                                                                                                                                    | 400 | LF | \$55.50  | \$22,200.00 |
| 164 | 18" Pipe, 0-8' deep                                                                                                                                                                    | 400 | LF | \$60.50  | \$24,200.00 |
| 165 | 24" Pipe, 0-8' deep                                                                                                                                                                    | 200 | LF | \$81.00  | \$16,200.00 |
| 166 | 30" Pipe, 0-8' deep                                                                                                                                                                    | 100 | LF | \$106.00 | \$10,600.00 |
| 167 | 36" Pipe, 0-8' deep                                                                                                                                                                    | 100 | LF | \$125.00 | \$12,500.00 |
| 168 | 12" Pipe, 0-8' deep                                                                                                                                                                    | 200 | LF | \$55.50  | \$11,100.00 |
| 169 | 12" Pipe, 0-8" deep (Labor Only - COH will purchase pipe. Contractor responsible for coordinating delivery of pipe, unloading and providing all equipment and labor for installation.) | 60  | LF | \$38.00  | \$2,280.00  |
| 170 | 15" Pipe, 0-8' deep                                                                                                                                                                    | 400 | LF | \$57.50  | \$23,000.00 |
| 171 | 15" Pipe, 0-8" deep (Labor Only - COH will purchase pipe. Contractor responsible for coordinating delivery of pipe, unloading and providing all equipment and labor for installation.) | 120 | LF | \$36.50  | \$4,380.00  |
| 172 | 18" Pipe, 0-8' deep                                                                                                                                                                    | 400 | LF | \$61.00  | \$24,400.00 |
| 173 | 18" Pipe, 0-8" deep (Labor Only - COH will purchase pipe. Contractor responsible for coordinating delivery of pipe, unloading and providing all equipment and labor for installation.) | 120 | LF | \$36.50  | \$4,380.00  |

|     |                                                                                                                                                                                        |     |    |          |             |
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| 174 | 24" Pipe, 0-8' deep                                                                                                                                                                    | 400 | LF | \$73.00  | \$29,200.00 |
| 175 | 24" Pipe, 0-8" deep (Labor Only - COH will purchase pipe. Contractor responsible for coordinating delivery of pipe, unloading and providing all equipment and labor for installation.) | 120 | LF | \$36.50  | \$4,380.00  |
| 176 | 30" Pipe, 0-8' deep                                                                                                                                                                    | 120 | LF | \$94.50  | \$11,340.00 |
| 177 | 30" Pipe, 0-8" deep (Labor Only - COH will purchase pipe. Contractor responsible for coordinating delivery of pipe, unloading and providing all equipment and labor for installation.) | 120 | LF | \$44.00  | \$5,280.00  |
| 178 | 36" Pipe, 0-8' deep                                                                                                                                                                    | 60  | LF | \$110.50 | \$6,630.00  |
| 179 | 36" Pipe, 0-8" deep (Labor Only - COH will purchase pipe. Contractor responsible for coordinating delivery of pipe, unloading and providing all equipment and labor for installation.) | 60  | LF | \$48.00  | \$2,880.00  |
| 180 | 42" Pipe, 0-8' deep                                                                                                                                                                    | 60  | LF | \$130.00 | \$7,800.00  |
| 181 | 42" Pipe, 0-8" deep (Labor Only - COH will purchase pipe. Contractor responsible for coordinating delivery of pipe, unloading and providing all equipment and labor for installation.) | 60  | LF | \$54.00  | \$3,240.00  |
| 182 | 48" Pipe, 0-8' deep                                                                                                                                                                    | 60  | LF | \$166.50 | \$9,990.00  |
| 183 | 48" Pipe, 0-8" deep (Labor Only - COH will purchase pipe. Contractor responsible for coordinating delivery of pipe, unloading and providing all equipment and labor for installation.) | 60  | LF | \$71.50  | \$4,290.00  |
| 184 | 54" Pipe, 0-8' deep                                                                                                                                                                    | 60  | LF | \$203.50 | \$12,210.00 |

|                                                                                                                                 |                                                                                                                                                                                        |     |    |            |             |
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| 185                                                                                                                             | 54" Pipe, 0-8" deep (Labor Only - COH will purchase pipe. Contractor responsible for coordinating delivery of pipe, unloading and providing all equipment and labor for installation.) | 60  | LF | \$71.50    | \$4,290.00  |
| 186                                                                                                                             | 60" Pipe, 0-8" deep                                                                                                                                                                    | 60  | LF | \$257.00   | \$15,420.00 |
| 187                                                                                                                             | 60" Pipe, 0-8" deep (Labor Only - COH will purchase pipe. Contractor responsible for coordinating delivery of pipe, unloading and providing all equipment and labor for installation.) | 60  | LF | \$85.50    | \$5,130.00  |
| CC. PVC PIPE, SURFACE DRAINAGE BASINS AND DUCTILE IRON GRATES AS MANUFACTURED BY NYOPLAST OR APPROVED EQUAL. SEE ATTACHMENT "R" |                                                                                                                                                                                        |     |    |            |             |
| 1. BASINS                                                                                                                       |                                                                                                                                                                                        |     |    |            |             |
| 188                                                                                                                             | 15" Basin, 0'-5' deep, Complete in place                                                                                                                                               | 20  | EA | \$1,700.00 | \$34,000.00 |
| 189                                                                                                                             | 18" Basin, 0'-5' deep, Complete in place                                                                                                                                               | 20  | EA | \$2,000.00 | \$40,000.00 |
| 190                                                                                                                             | 24" Basin, 0'-5' deep, Complete in place                                                                                                                                               | 20  | EA | \$2,500.00 | \$50,000.00 |
| 191                                                                                                                             | 30" Basin, 0'-5' deep, Complete in place                                                                                                                                               | 10  | EA | \$4,050.00 | \$40,500.00 |
| 192                                                                                                                             | Open Trench / Direct Bury Installation (Note: Pipe color shall be red, orange or gray) - 3" Sch. 40 PVC pipe (material and labor)                                                      | 200 | LF | \$31.62    | \$6,324.00  |
| 193                                                                                                                             | Open Trench / Direct Bury Installation (Note: Pipe color shall be red, orange or gray) - 3" Sch. 40 PVC pipe (labor only - material furnished by City of Huntsville)                   | 200 | LF | \$16.83    | \$3,366.00  |
| 194                                                                                                                             | Open Trench / Direct Bury Installation (Note: Pipe color shall be red, orange or gray) - 4" Sch. 40 PVC pipe (material and labor)                                                      | 200 | LF | \$40.80    | \$8,160.00  |



|     |                                                                                                                                                                      |     |    |         |             |
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| 195 | Open Trench / Direct Bury Installation (Note: Pipe color shall be red, orange or gray) - 4" Sch. 40 PVC pipe (labor only - material furnished by City of Huntsville) | 200 | LF | \$19.13 | \$3,826.00  |
| 196 | Open Trench / Direct Bury Installation (Note: Pipe color shall be red, orange or gray) - 5" Sch. 40 PVC pipe (material and labor)                                    | 200 | LF | \$51.00 | \$10,200.00 |
| 197 | Open Trench / Direct Bury Installation (Note: Pipe color shall be red, orange or gray) - 5" Sch. 40 PVC pipe (labor only - material furnished by City of Huntsville) | 200 | LF | \$19.38 | \$3,876.00  |
| 198 | Open Trench / Direct Bury Installation (Note: Pipe color shall be red, orange or gray) - 6" Sch. 40 PVC pipe (material and labor)                                    | 200 | LF | \$65.28 | \$13,056.00 |
| 199 | Open Trench / Direct Bury Installation (Note: Pipe color shall be red, orange or gray) - 6" Sch. 40 PVC pipe (labor only - material furnished by City of Huntsville) | 200 | LF | \$20.40 | \$4,080.00  |
| 200 | Directional Boring Installation (Note: Pipe color shall be red or orange) - 3" HDPE PIPE (Material and Labor)                                                        | 200 | LF | \$51.00 | \$10,200.00 |
| 201 | Directional Boring Installation (Note: Pipe color shall be red or orange) - 3" HDPE PIPE (labor only - material furnished by City of Huntsville)                     | 200 | LF | \$39.78 | \$7,956.00  |
| 202 | Directional Boring Installation (Note: Pipe color shall be red or orange) - 4" HDPE PIPE (Material and Labor)                                                        | 200 | LF | \$59.16 | \$11,832.00 |
| 203 | Directional Boring Installation (Note: Pipe color shall be red or orange) - 4" HDPE PIPE (labor only - material furnished by City of Huntsville)                     | 200 | LF | \$42.84 | \$8,568.00  |

|                                                                                                  |                                                                                                                                                  |     |    |            |             |
|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|------------|-------------|
| 204                                                                                              | Directional Boring Installation (Note: Pipe color shall be red or orange) - 5" HDPE PIPE (Material and Labor)                                    | 200 | LF | \$69.36    | \$13,872.00 |
| 205                                                                                              | Directional Boring Installation (Note: Pipe color shall be red or orange) - 5" HDPE PIPE (labor only - material furnished by City of Huntsville) | 200 | LF | \$47.94    | \$9,588.00  |
| 206                                                                                              | Directional Boring Installation (Note: Pipe color shall be red or orange) - 6" HDPE PIPE (Material and Labor)                                    | 200 | LF | \$79.56    | \$15,912.00 |
| 207                                                                                              | Directional Boring Installation (Note: Pipe color shall be red or orange) - 6" HDPE PIPE (labor only - material furnished by City of Huntsville) | 200 | LF | \$53.04    | \$10,608.00 |
| 2. DUCTILE IRON GRATES FOR BASINS<br>CONFORMING TO ASTM A536 GRADE 70-50-05<br>FOR DUCTILE IRON. |                                                                                                                                                  |     |    |            |             |
| 208                                                                                              | 15" Standard H-20 Hinged                                                                                                                         | 20  | EA | \$650.00   | \$13,000.00 |
| 209                                                                                              | 18" Standard H-20                                                                                                                                | 20  | EA | \$800.00   | \$16,000.00 |
| 210                                                                                              | 24" Standard H-20                                                                                                                                | 20  | EA | \$1,050.00 | \$21,000.00 |
| 211                                                                                              | 30" Standard H-20                                                                                                                                | 10  | EA | \$1,550.00 | \$15,500.00 |
| 212                                                                                              | 15" Pedestrian H-10 Hinged                                                                                                                       | 10  | EA | \$650.00   | \$6,500.00  |
| 213                                                                                              | 18" Pedestrian H-10                                                                                                                              | 10  | EA | \$800.00   | \$8,000.00  |
| 214                                                                                              | 24" Pedestrian H-10                                                                                                                              | 10  | EA | \$1,050.00 | \$10,500.00 |
| 215                                                                                              | 30" Pedestrian H-10                                                                                                                              | 10  | EA | \$1,550.00 | \$15,500.00 |
| 216                                                                                              | In Line Inlet including Riser and Tee, 0'-5' deep                                                                                                | 10  | EA | \$2,200.00 | \$22,000.00 |

|                                      |                                                                                                                                                                                             |     |    |          |             |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|----------|-------------|
| 217                                  | MISCELLANEOUS STONE BACKFILL<br>(ANY SIZE), IN PLACE MEASUREMENT                                                                                                                            | 50  | CY | \$50.00  | \$2,500.00  |
| 218                                  | 4" Corrugated Polyethylene Slotted Pipe w/sock, 0'-5' deep installed in place, per LF (includes excavation, bedding, backfill to grade, and disposal of spoils) - stone paid for separately | 200 | LF | \$18.50  | \$3,700.00  |
| 219                                  | 6" Corrugated Polyethylene Slotted Pipe w/sock, 0'-5' deep installed in place, per LF (includes excavation, bedding, backfill to grade, and disposal of spoils) - stone paid for separately | 200 | LF | \$20.00  | \$4,000.00  |
| 220                                  | 4" French Drain installed in place, per LF (includes excavation, bedding, stone, filter fabric, backfill to grade, and disposal of spoils)                                                  | 200 | LF | \$18.50  | \$3,700.00  |
| 221                                  | 6" French Drain installed in place, per LF (includes excavation, bedding, stone, filter fabric, backfill to grade, and disposal of spoils)                                                  | 200 | LF | \$20.00  | \$4,000.00  |
| <b>IV. SANITARY SEWER FACILITIES</b> |                                                                                                                                                                                             |     |    |          |             |
| 222                                  | A. NEW PRECAST MANHOLE UNITS, 48" INSIDE DIAMETER INSTALLED IN PLACE, PRICE PER FOOT OF HEIGHT INCLUDING MANHOLE FRAME AND COVER.                                                           | 30  | VF | \$500.00 | \$15,000.00 |
| 223                                  | Adjust manhole tops to match existing or proposed grade                                                                                                                                     | 30  | VF | \$300.00 | \$9,000.00  |
| 224                                  | B. NEW SDR26, POLYVINYL CHLORIDE PIPE, INSTALLED IN PLACE, PER LF INCLUDES EXCAVATION, BEDDING, BACKFILL AND DISPOSAL OF SPOILS)                                                            | 40  | LF | \$81.50  | \$3,260.00  |
| 225                                  | 8" Pipe, 0-8' depth                                                                                                                                                                         | 40  | LF | \$89.50  | \$3,580.00  |

|                                                                                                   |                                                              |    |       |          |            |
|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------|----|-------|----------|------------|
| 226                                                                                               | 10" Pipe, 0-8' depth                                         | 40 | LF    | \$99.50  | \$3,980.00 |
| 227                                                                                               | 12" Pipe, 0-8' depth                                         | 40 | LF    | \$111.50 | \$4,460.00 |
| 228                                                                                               | 15" Pipe, 0-8' depth                                         | 40 | LF    | \$132.00 | \$5,280.00 |
| C. NEW CLASS 350 DUCTILE IRON PIPE, INCLUDES EXCAVATION, BEDDING, BACKFILL AND DISPOSAL OF SPOILS |                                                              |    |       |          |            |
| 229                                                                                               | 8" Pipe, 0-8' depth                                          | 40 | LF    | \$111.50 | \$4,460.00 |
| 230                                                                                               | 10" Pipe, 0-8' depth                                         | 40 | LF    | \$118.00 | \$4,720.00 |
| 231                                                                                               | 14" Pipe, 0-8' depth                                         | 40 | LF    | \$150.50 | \$6,020.00 |
| 232                                                                                               | 16" Pipe, 0-8' depth                                         | 40 | LF    | \$162.50 | \$6,500.00 |
| 233                                                                                               | 18" Pipe, 0-8' depth                                         | 40 | LF    | \$184.50 | \$7,380.00 |
| 234                                                                                               | 24" Pipe, 0-8' depth                                         | 40 | LF    | \$244.00 | \$9,760.00 |
| 235                                                                                               | D. EXTRA DEPTH OF CUT GREATER THAN 8 FEET, PER FOOT OF DEPTH | 1  | LF/FT | \$50.00  | \$50.00    |
| 236                                                                                               | E. 4" PVC LATERAL TO INCLUDE CLEAN OUT                       | 16 | LF    | \$50.00  | \$800.00   |
| 237                                                                                               | F. 4" DI LATERAL TO INCLUDE CLEAN OUT                        | 16 | LF    | \$75.00  | \$1,200.00 |
| 238                                                                                               | G. 6" PVC LATERAL TO INCLUDE CLEAN OUT                       | 16 | LF    | \$65.00  | \$1,040.00 |
| 239                                                                                               | H. 6" DI LATERAL TO INCLUDE CLEAN OUT                        | 16 | LF    | \$75.00  | \$1,200.00 |



**1. JACK AND BORE INSTALLATION OF STEEL CASING PIPE INCLUDING DEWATERING BORE PITS AND MAINTENANCE PER CITY OF HUNTSVILLE DESIGN AND ACCEPTANCE MANUAL FOR SANITARY SEWERS. BACKFILL WILL BE CONSIDERED INCIDENTAL**

|     |                        |     |    |            |             |
|-----|------------------------|-----|----|------------|-------------|
| 240 | Less than 10 feet deep | 295 | LF | \$200.00   | \$59,000.00 |
| 241 | 10-16 feet deep        | 200 | LF | \$250.00   | \$50,000.00 |
| 242 | Less than 10 feet deep | 70  | LF | \$900.00   | \$63,000.00 |
| 243 | 10-16 feet deep        | 70  | LF | \$1,000.00 | \$70,000.00 |
| 244 | Less than 10 feet deep | 355 | LF | \$200.00   | \$71,000.00 |
| 245 | 10-16 feet deep        | 355 | LF | \$250.00   | \$88,750.00 |
| 246 | Less than 10 feet deep | 130 | LF | \$265.00   | \$34,450.00 |
| 247 | 10-16 feet deep        | 130 | LF | \$310.00   | \$40,300.00 |

|                                  |                                                                                                                                       |       |    |          |  |             |  |  |  |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-------|----|----------|--|-------------|--|--|--|
| 01/13/22                         | 5. Installation of carrier pipe inside encasement pipe per City of Huntsville Design and Acceptance Manual for Sanitary Sewers        |       |    |          |  |             |  |  |  |
| 248                              | 8"-10" Ductile Iron Gravity Line                                                                                                      | 140   | LF | \$30.00  |  | \$4,200.00  |  |  |  |
| 249                              | 12"-16" Ductile Iron Gravity Line                                                                                                     | 140   | LF | \$40.00  |  | \$5,600.00  |  |  |  |
| 250                              | 6. Spacers -- 14 Gauge, Type 316 Stainless Steel with Minimum 0.09" Thick PVC Shell Liner                                             |       |    |          |  |             |  |  |  |
| 250                              | Less than 8"-10" pipe                                                                                                                 | 18    | EA | \$525.00 |  | \$9,450.00  |  |  |  |
| 251                              | Greater than 12"-16" pipe                                                                                                             | 18    | EA | \$575.00 |  | \$10,350.00 |  |  |  |
| <b>V. EARTHWORK CONSTRUCTION</b> |                                                                                                                                       |       |    |          |  |             |  |  |  |
| <b>A. SITE GRADING</b>           |                                                                                                                                       |       |    |          |  |             |  |  |  |
| <b>1. Scraper Operation</b>      |                                                                                                                                       |       |    |          |  |             |  |  |  |
| 252                              | Stripping and Grading (Unclassified excavation) includes removal and stockpiling material on-site or spreading and compacting on-site | 1,000 | CY | \$5.00   |  | \$5,000.00  |  |  |  |
| 253                              | Respreading Operation , includes removing dirt from stockpile on-site, respreading, and compacting                                    | 1,000 | CY | \$5.00   |  | \$5,000.00  |  |  |  |
|                                  | 2. Front End Loader, Track hoe, Gradall, and Hoe Ram Operation                                                                        |       |    |          |  |             |  |  |  |
| 254                              | Unclassified excavation with front end loader, track hoe, or gradall equipment, Disposal of material on-site or reused on-site        | 1,000 | CY | \$15.00  |  | \$15,000.00 |  |  |  |

|                                                                                         |                                                                                                                                                                                      |        |         |          |             |
|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|----------|-------------|
| 255                                                                                     | Solid Rock Excavation using Hoe Ram for Small Projects                                                                                                                               | 100    | CY      | \$155.00 | \$15,500.00 |
| <b>B. TRUCKING</b>                                                                      |                                                                                                                                                                                      |        |         |          |             |
| 256                                                                                     | Loading and hauling unclassified excavation to include rock to a city specified site and dumping material. (Truck measure round trip distance)                                       | 20,000 | CY-MILE | \$1.50   | \$30,000.00 |
| 257                                                                                     | Loading, Hauling, and Disposal of Unclassified Excavation to include Rock                                                                                                            | 1,000  | CY      | \$15.75  | \$15,750.00 |
| 258                                                                                     | Loading and hauling of non-perishable construction materials from city job site (other than unclassified excavation). City will designate location where materials are to be hauled. | 500    | CY-MILE | \$2.50   | \$1,250.00  |
| Tipping Fees (City will reimburse contractor. Copies of Invoices to be provided to COH) |                                                                                                                                                                                      |        |         |          |             |
| <b>VI. MISCELLANEOUS CONSTRUCTION</b>                                                   |                                                                                                                                                                                      |        |         |          |             |
| 259                                                                                     | New poured-in-place Reinforced Concrete Retaining Wall (complete-in-place) (Less than 20 CYS)                                                                                        | 100    | CY      | \$750.00 | \$75,000.00 |
| 260                                                                                     | New poured-in-place Reinforced Concrete Retaining Wall (complete-in-place) (20 to 50 CYS)                                                                                            | 100    | CY      | \$750.00 | \$75,000.00 |
| 261                                                                                     | New poured-in-place Reinforced Concrete Retaining Wall (complete-in-place) (More than 50 CYS)                                                                                        | 100    | CY      | \$750.00 | \$75,000.00 |
| 262                                                                                     | Removal of Concrete Retaining Wall (including disposal off-site and measured-in-place)                                                                                               | 100    | CY      | \$60.00  | \$6,000.00  |
| 263                                                                                     | TYPE "A" Silt Fence per ALDOT Spec #665 (includes materials, installation, maintenance and removal)                                                                                  | 1,000  | LF      | \$4.50   | \$4,500.00  |

|                                                                                   |                                                                                                                                              |       |      |            |             |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-------|------|------------|-------------|
| 264                                                                               | TYPE "B" Silt Fence per COH Spec #671 (includes materials, installation, maintenance and removal)                                            | 200   | LF   | \$4.00     | \$800.00    |
| 265                                                                               | Modular Retaining Wall (includes wall materials, and stone backfill) less than 4' high, complete-in-place)                                   | 200   | SF   | \$40.00    | \$8,000.00  |
| 266                                                                               | Modular Retaining Wall (includes wall materials, stone backfill and geogrid) 4'-6' high, complete-in-place)                                  | 200   | SF   | \$40.00    | \$8,000.00  |
| <b>VII. FENCING</b>                                                               |                                                                                                                                              |       |      |            |             |
| <b>A. FENCE REMOVAL AND REPLACEMENT WITH NEW FENCE MATERIAL TO MATCH EXISTING</b> |                                                                                                                                              |       |      |            |             |
| 267                                                                               | 4' High Residential Chain Link Fencing                                                                                                       | 400   | LF   | \$18.36    | \$7,344.00  |
| 268                                                                               | 6' High Treated Wood Privacy Fence                                                                                                           | 200   | LF   | \$28.56    | \$5,712.00  |
| <b>B. TEMPORARY FENCING (INCLUDES REMOVAL)</b>                                    |                                                                                                                                              |       |      |            |             |
| 269                                                                               | 4' High Residential Chain Link Fencing                                                                                                       | 200   | LF   | \$12.24    | \$2,448.00  |
| 270                                                                               | 6' High Residential Chain Link Fencing                                                                                                       | 100   | LF   | \$16.32    | \$1,632.00  |
| <b>C. FENCE REMOVE AND RESET EXISTING FENCING</b>                                 |                                                                                                                                              |       |      |            |             |
| 271                                                                               | 4' High Residential Chain Link Fencing                                                                                                       | 1,130 | LF   | \$14.28    | \$16,136.40 |
| 272                                                                               | 6' High Treated Wood Privacy Fence                                                                                                           | 400   | LF   | \$26.52    | \$10,608.00 |
| <b>VIII. TREE REMOVAL AND DISPOSAL:</b>                                           |                                                                                                                                              |       |      |            |             |
| 273                                                                               | Light - lawns, rights-of-ways, shrubs, grassy fields and pasture land, minimum underbrush, trees 10" diameter or smaller, up to 5 trees/acre | 6     | ACRE | \$5,000.00 | \$30,000.00 |

|                                                   |                                                                                                                                               |       |      |            |             |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-------|------|------------|-------------|
| 274                                               | Medium - lawns, rights-of-ways, shrubs, grassy fields and pasture land, medium underbrush, trees 15" diameter or smaller, up to 10 trees/acre | 12    | ACRE | \$6,500.00 | \$78,000.00 |
| 275                                               | Heavy - lawns, rights-of-ways, shrubs, grassy fields and pasture land, thick underbrush, trees 15" diameter, no limit on density              | 12    | ACRE | \$8,000.00 | \$96,000.00 |
| <b>IX. ALDOT STEEL BEAM GUARDRAIL AND ANCHORS</b> |                                                                                                                                               |       |      |            |             |
| 276                                               | A. TYPE 1, STEEL BEAM GUARDRAIL, CLASS A, PER LF INSTALLED                                                                                    | 1,000 | LF   | \$38.76    | \$38,760.00 |
| 277                                               | B. STEEL BEAM GUARDRAIL, CLASS B, PER LF INSTALLED                                                                                            | 1,000 | LF   | \$71.40    | \$71,400.00 |
| 278                                               | C. GUARDRAIL ANCHORS, PRICE EACH INSTALLED                                                                                                    | 10    | EA   | \$1,530.00 | \$15,300.00 |
| 279                                               | Type 10                                                                                                                                       | 10    | EA   | \$3,162.00 | \$31,620.00 |
| 280                                               | Type 12                                                                                                                                       | 10    | EA   | \$2,244.00 | \$22,440.00 |
| 281                                               | Type 13                                                                                                                                       | 10    | EA   | \$2,550.00 | \$25,500.00 |
| 282                                               | Type 20                                                                                                                                       | 10    | EA   | \$3,978.00 | \$39,780.00 |
| 283                                               | D. GUARDRAIL REMOVE AND RESET, PER LF                                                                                                         | 100   | LF   | \$25.50    | \$2,550.00  |
| 284                                               | STEEL BEAM GUARDRAIL, CLASS B                                                                                                                 | 100   | LF   | \$35.70    | \$3,570.00  |
| 285                                               | Guardrail Post, installed                                                                                                                     | 100   | EA   | \$96.90    | \$9,690.00  |
| <b>X. RENTAL EQUIPMENT TO INCLUDE</b>             |                                                                                                                                               |       |      |            |             |
| 286                                               | A. FOREMAN AND PICKUP TRUCK                                                                                                                   | 80    | HR   | \$75.50    | \$6,040.00  |



|     |                                                                 |     |    |          |             |
|-----|-----------------------------------------------------------------|-----|----|----------|-------------|
| 287 | B. SKILLED LABORER                                              | 80  | HR | \$38.50  | \$3,080.00  |
|     | C. DOZERS & OTHER EQUIPMENT                                     |     |    |          |             |
| 288 | International TD-15 or equal                                    | 80  | HR | \$122.00 | \$9,760.00  |
| 289 | Rubber Tired Loader-930 and 966                                 | 80  | HR | \$95.50  | \$7,640.00  |
| 290 | Rubber Tired Backhoe                                            | 100 | HR | \$82.50  | \$8,250.00  |
| 291 | Gradalls                                                        | 100 | HR | \$137.50 | \$13,750.00 |
| 292 | Power Broom                                                     | 100 | HR | \$80.50  | \$8,050.00  |
| 293 | Bobcat                                                          | 100 | HR | \$86.50  | \$8,650.00  |
| 294 | Tri Axle Dump Truck                                             | 100 | HR | \$100.00 | \$10,000.00 |
|     | D. Track Excavators and Hydraulic Breaker                       |     |    |          |             |
| 295 | PC 200 Series or Equal                                          | 100 | HR | \$125.50 | \$12,550.00 |
| 296 | PC 300 Series or Equal                                          | 100 | HR | \$144.50 | \$14,450.00 |
| 297 | PC 400 Series or Equal                                          | 100 | HR | \$207.00 | \$20,700.00 |
| 298 | PC 200 series or equal, with 4000 lb Hydraulic Breaker or equal | 50  | HR | \$328.00 | \$16,400.00 |
| 299 | PC 250 series or equal, with 6000 lb Hydraulic Breaker          | 50  | HR | \$358.00 | \$17,900.00 |
| 300 | PC 300 series or equal, with 8000 lb Hydraulic Breaker          | 50  | HR | \$376.00 | \$18,800.00 |
| 301 | PC 350 series or equal, with 10,000 lb Hydraulic Breaker        | 50  | HR | \$406.00 | \$20,300.00 |

| XI. SPEED TABLES     |                                                                                                                                                                                                                                                                    |       |      |            |             |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------|------------|-------------|
| 302                  | Speed Cushion Installation (speed cushions will be purchased by the COH Traffic Eng Dept. (Traffic Logix or equal to be determined by the COH) Contractor must load, transport, and install speed cushion devices purchased by the COH and stored at COH facility) | 50    | EA   |            | \$0.00      |
| XII. TRAFFIC CONTROL |                                                                                                                                                                                                                                                                    |       |      |            |             |
| 303                  | Drums                                                                                                                                                                                                                                                              | 300   | EA   | \$25.00    | \$7,500.00  |
| 304                  | Type I Barricades                                                                                                                                                                                                                                                  | 25    | EA   | \$50.00    | \$1,250.00  |
| 305                  | Type II Barricades                                                                                                                                                                                                                                                 | 25    | EA   | \$50.00    | \$1,250.00  |
| 306                  | Type III Barricades                                                                                                                                                                                                                                                | 25    | EA   | \$150.00   | \$3,750.00  |
| 307                  | 28" Cones                                                                                                                                                                                                                                                          | 50    | EA   | \$15.00    | \$750.00    |
| 308                  | 36" Cones                                                                                                                                                                                                                                                          | 50    | EA   | \$15.00    | \$750.00    |
| 309                  | Arrow Panels                                                                                                                                                                                                                                                       | 10    | EA   | \$500.00   | \$5,000.00  |
| 310                  | Road Signs per ALDOT 740B to include posts installed                                                                                                                                                                                                               | 1,000 | SF   | \$15.00    | \$15,000.00 |
| 311                  | Flagman                                                                                                                                                                                                                                                            | 500   | HR   | \$36.50    | \$18,250.00 |
| 312                  | Orange construction fencing per ALDOT #647                                                                                                                                                                                                                         | 100   | LF   | \$4.00     | \$400.00    |
| 313                  | 5" Wide Solid White, Class 2, Type A Traffic Stripe (0.06" Thick), Complete In-Place PER C.O.H. SPECIFICATION #701                                                                                                                                                 | 5     | MILE | \$4,284.00 | \$21,420.00 |
| 314                  | 5" Wide Broken White, Class 2, Type A Traffic Stripe (0.06" Thick), Complete In-Place PER C.O.H. SPECIFICATION #701                                                                                                                                                | 5     | MILE | \$2,856.00 | \$14,280.00 |

|     |                                                                                                                      |     |      |            |             |
|-----|----------------------------------------------------------------------------------------------------------------------|-----|------|------------|-------------|
| 315 | 5" Wide Solid Yellow, Class 2, Type A Traffic Stripe (0.09" Thick), Complete In-Place PER C.O.H. SPECIFICATION #701  | 5   | MILE | \$4,284.00 | \$21,420.00 |
| 316 | 5" Wide Broken Yellow, Class 2, Type A Traffic Stripe (0.09" Thick), Complete In-Place PER C.O.H. SPECIFICATION #701 | 5   | MILE | \$2,856.00 | \$14,280.00 |
| 317 | 5" Wide Dotted Class 2, Type A Traffic Stripe, (0.09" Thick), Complete In-Place PER C.O.H. SPECIFICATION #701        | 750 | LF   | \$3.06     | \$2,295.00  |
| 318 | Broken Temporary Traffic Stripe, Complete In-Place PER C.O.H. SPECIFICATION #701                                     | 5   | MILE | \$1,275.00 | \$6,375.00  |
| 319 | Solid Temporary Traffic Stripe, Complete In-Place PER C.O.H. SPECIFICATION #701                                      | 5   | MILE | \$1,275.00 | \$6,375.00  |
| 320 | Traffic Control Legends, Class 2, Type A, Complete In-Place PER C.O.H. SPECIFICATION #703                            | 750 | SF   | \$6.63     | \$4,972.50  |
| 321 | Traffic Control Markings, Class 2, Type A, Complete In-Place PER C.O.H. SPECIFICATION #703                           | 750 | SF   | \$6.63     | \$4,972.50  |
| 322 | Temporary Traffic Control Legends, Complete In-Place PER C.O.H. SPECIFICATION #703                                   | 750 | SF   | \$3.57     | \$2,677.50  |
| 323 | Temporary Traffic Control Markings, Complete In-Place PER C.O.H. SPECIFICATION #703                                  | 750 | SF   | \$3.57     | \$2,677.50  |
| 324 | Traffic Striping Removal, Width Varies, Per C.O.H. SPECIFICATION #701                                                | 5   | MILE | \$7,650.00 | \$38,250.00 |
| 325 | Traffic Control Markings and Legends Removal Per C.O.H. SPECIFICATION #703                                           | 780 | SF   | \$4.08     | \$3,182.40  |
| 326 | Pavement Markers, Class A-H, Type 1-A, Complete In-Place PER ALDOT SPECIFICATION #705                                | 50  | EA   | \$7.14     | \$357.00    |



|     |                                                                                                                      |    |      |            |             |
|-----|----------------------------------------------------------------------------------------------------------------------|----|------|------------|-------------|
| 327 | Pavement Markers, Class A-H, Type 1-B, Complete In-Place PER ALDOT SPECIFICATION #705                                | 50 | EA   | \$7.14     | \$357.00    |
| 328 | Pavement Markers, Class A-H, Type 2-C, Complete In-Place PER ALDOT SPECIFICATION #705                                | 50 | EA   | \$7.14     | \$357.00    |
| 329 | Pavement Markers, Class A-H, Type 2-D, Complete In-Place PER ALDOT SPECIFICATION #705                                | 50 | EA   | \$7.14     | \$357.00    |
| 330 | Pavement Markers, Class A-H, Type 2E, Complete In-Place PER ALDOT SPECIFICATION #705                                 | 50 | EA   | \$7.14     | \$357.00    |
| 331 | Type A Hazard Marker Installation, Complete-In-Place PER ALDOT SPECIFICATION # 707B                                  | 5  | EA   | \$204.00   | \$1,020.00  |
| 332 | Mile Post Marker Type B, Complete in Place To include Post Per Specification ALDOT # 709A                            | 5  | EA   | \$204.00   | \$1,020.00  |
| 333 | Mile Post Reset, Complete-In-Place, to Includes Post PER SPECIFICATION ALDOT #709B                                   | 5  | EA   | \$127.50   | \$637.50    |
| 334 | 4" Wide Solid White, Class 2, Type A Traffic Stripe (0.06" Thick), Complete In-Place PER C.O.H. SPECIFICATION #701   | 5  | MILE | \$4,284.00 | \$21,420.00 |
| 335 | 4" Wide Broken White, Class 2, Type A Traffic Stripe (0.06" Thick), Complete In-Place PER C.O.H. SPECIFICATION #701  | 5  | MILE | \$2,856.00 | \$14,280.00 |
| 336 | 4" Wide Solid Yellow, Class 2, Type A Traffic Stripe (0.09" Thick), Complete In-Place PER C.O.H. SPECIFICATION #701  | 5  | MILE | \$4,284.00 | \$21,420.00 |
| 337 | 4" Wide Broken Yellow, Class 2, Type A Traffic Stripe (0.09" Thick), Complete In-Place PER C.O.H. SPECIFICATION #701 | 5  | MILE | \$2,856.00 | \$14,280.00 |

|                                     |                                                                                                               |       |    |            |             |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------|-------|----|------------|-------------|
| 338                                 | 4" Wide Dotted Class 2, Type A Traffic Stripe, (0.09" Thick), Complete In-Place PER C.O.H. SPECIFICATION #701 | 750   | LF | \$3.06     | \$2,295.00  |
| 339                                 | New Jersey Type Barriers - Permanent Installation (Barrier will remain property of the City of Huntsville)    | 20    | EA | \$1,200.00 | \$24,000.00 |
| 340                                 | New Jersey Type Barriers - Barrier to be removed and retained by the Contractor                               | 20    | EA | \$900.00   | \$18,000.00 |
| 341                                 | Used Jersey Type Barriers - Permanent Installation (Barrier will remain property of the City of Huntsville)   | 20    | EA | \$1,200.00 | \$24,000.00 |
| 342                                 | Used Jersey Type Barriers - Barrier to be removed and retained by the Contractor                              | 20    | EA | \$600.00   | \$12,000.00 |
| 343                                 | Traffic Detector Loops - Installed in pavement                                                                | 2,000 | LF | \$3.32     | \$6,640.00  |
| <b>XIII. LANDSCAPE CONSTRUCTION</b> |                                                                                                               |       |    |            |             |
| 344                                 | Topsoil Cubic Yards (CY), Loose Truck Measurement                                                             | 1,500 | CY | \$20.00    | \$30,000.00 |

|                                                                                                                                              |                                                                                                                                       |       |      |            |             |
|----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-------|------|------------|-------------|
| 345                                                                                                                                          | Mulching, Class A, Type 1                                                                                                             | 2,000 | SY   | \$1.00     | \$2,000.00  |
| 346                                                                                                                                          | Fescue Sod (in-place)                                                                                                                 | 2,000 | SY   | \$7.50     | \$15,000.00 |
| 347                                                                                                                                          | Seed, Straw, and Fertilize                                                                                                            | 2,000 | SY   | \$1.00     | \$2,000.00  |
| 348                                                                                                                                          | Tifton Bermuda Sod (in-place)                                                                                                         | 2,000 | SY   | \$7.50     | \$15,000.00 |
| 349                                                                                                                                          | Emerald Zoysia Sod (in-place)                                                                                                         | 1,400 | SY   | \$11.00    | \$15,400.00 |
| 350                                                                                                                                          | Hydroseeding                                                                                                                          | 10    | ACRE | \$2,500.00 | \$25,000.00 |
| 351                                                                                                                                          | Hay Bales per COH Spec #671 (includes materials, installation, maintaining and removal after completion of job)                       | 50    | EA   | \$10.00    | \$500.00    |
| 352                                                                                                                                          | 20" Wattle per ALDOT Spec #665-Q Inlet Protection (includes materials, installation, maintaining and removal after completion of job) | 1,000 | LF   | \$8.50     | \$8,500.00  |
| XIV. NEW HANDRAIL, (2-3/8" Steel Pipe), primed and painted per Attachment "P" (includes anchors, plates, posts, and bolts) complete in place |                                                                                                                                       |       |      |            |             |
| 353                                                                                                                                          | Four Rail Handrail (see Attachment "T")                                                                                               | 250   | LF   | \$86.70    | \$21,675.00 |
| 354                                                                                                                                          | Three Rail Handrail (see Attachment "T")                                                                                              | 250   | LF   | \$76.50    | \$19,125.00 |
| 355                                                                                                                                          | Two Rail Handrail (See Attachment "T")                                                                                                | 250   | LF   | \$66.30    | \$16,575.00 |
| XV. STREETSCAPE                                                                                                                              |                                                                                                                                       |       |      |            |             |
| 356                                                                                                                                          | Brick Pavers with Leveling Course                                                                                                     | 500   | SF   | \$40.00    | \$20,000.00 |
| 357                                                                                                                                          | Tree Grates (See Attachment "X")                                                                                                      | 20    | EA   | \$2,000.00 | \$40,000.00 |
| 358                                                                                                                                          | Concrete Wheel Stops, Anchored in Place                                                                                               | 20    | EA   | \$102.00   | \$2,040.00  |
| 359                                                                                                                                          | CU Structural Soil Compacted In Place                                                                                                 | 30    | CY   | \$250.00   | \$7,500.00  |

|                               |                                                                                                                                                                                                                          |        |    |  |            |  |              |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|----|--|------------|--|--------------|
| 360                           | Decorative Handrail (See Attachment "W")                                                                                                                                                                                 | 200    | LF |  | \$158.10   |  | \$31,620.00  |
| <b>XVI. IRRIGATION SYSTEM</b> |                                                                                                                                                                                                                          |        |    |  |            |  |              |
| 361                           | Rain Bird ESP16LXM Controller with Stainless Style Pedestal with Concrete Base Complete in Place                                                                                                                         | 3      | EA |  | \$3,570.00 |  | \$10,710.00  |
| 362                           | Rain Bird F4-PC, FC-SS Turf Rotor, 4.0" Pop-Up, Stainless Steel Riser, Adjustable and Full Circle. With Removable Seal-A-Matic Check Valve, 1" Female Threaded Inlet. (5004)                                             | 150    | EA |  | \$76.50    |  | \$11,475.00  |
| 363                           | Rain Bird XCZ-100-PRB-COM 1" Wide Flow Drip Control Kit for Commercial Applications. 1" Ball Valve with 1" PESB Valve and 1" Pressure Regulating 40psi Quick-Check Basket Filter. 0.3gpm to 20gpm.                       | 15     | EA |  | \$484.50   |  | \$7,267.50   |
| 364                           | Rain Bird RWS-M-B-C-1401 Root Watering System Mini                                                                                                                                                                       | 150    | EA |  | \$76.50    |  | \$11,475.00  |
| 365                           | Netafim TLEZ-04-18 Techline EZ Pressure Compensating Landscape Dripline with Anti-Siphon Dripper. 0.4 GPH emitters at 18" O.C. Dripline laterals spaced at 18" apart, with emitters offset for triangular pattern. 12mm. | 6,000  | LF |  | \$2.04     |  | \$12,240.00  |
| 366                           | Rain Bird Master Valve 2" PESB-PRSD with 12" Valve Box Complete in Place                                                                                                                                                 | 3      | EA |  | \$484.50   |  | \$1,453.50   |
| 367                           | Irrigation Lateral Line: PVC Class 200 SDR 21 1 1/2"                                                                                                                                                                     | 30,000 | LF |  | \$5.61     |  | \$168,300.00 |
| 368                           | Irrigation Mainline: PVC Class 40, 2" Complete in place to include Crushed Stone Backfill                                                                                                                                | 7,500  | LF |  | \$6.63     |  | \$49,725.00  |
| 369                           | Pipe Sleeve: CPVC Schedule 40, 4" Complete in place with Crushed Stone Backfill                                                                                                                                          | 3,000  | LF |  | \$20.40    |  | \$61,200.00  |



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01/13/22

|     |                                                                                                           |        |    |          |             |
|-----|-----------------------------------------------------------------------------------------------------------|--------|----|----------|-------------|
| 370 | Rain Bird WR2 Wireless Raw Sensor                                                                         | 3      | EA | \$306.00 | \$918.00    |
| 371 | 14-1 UF Direct Burial Red Sprinkler Control Wire                                                          | 30,000 | LF | \$1.17   | \$35,100.00 |
| 372 | 12-1 UF Direct Burial White Sprinkler Control Wire                                                        | 7,500  | LF | \$1.17   | \$8,775.00  |
| 373 | 16-1 UF Direct Burial Blue Wire for Tracer                                                                | 2,750  | LF | \$1.17   | \$3,217.50  |
| 374 | Rain Bird 1806 SAM-PRS-45 Sprinkler Head with Barb Fitting, Swing Pipe and PVC Tee for Lateral Connection | 300    | EA | \$61.20  | \$18,360.00 |
| 375 | Rain Bird 150 PESB Control Valve with PRS-D Regulator with 12" Box Complete In Place                      | 30     | EA | \$484.50 | \$14,535.00 |
| 376 | Rain Bird 1812 SAM-PRS-45 Sprinkler Head with Barb Fitting, Swing Pipe and PVC Tee for Lateral Connection | 300    | EA | \$71.40  | \$21,420.00 |
| 377 | Rain Bird 1806 SAM-PRS-45 Sprinkler Head with Barb Fitting, Swing Pipe and PVC Tee for Lateral Connection | 300    | EA | \$61.20  | \$18,360.00 |
| 378 | Hunter MP3000 90-210 Nozzles                                                                              | 600    | EA | \$15.30  | \$9,180.00  |

**XVII: SPEED TABLES**

|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |          |             |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|----------|-------------|
| 379 | Remove/Reinstall existing Speed Cushions - EACH speed cushion is 7' long by 6' wide and consists of 8 pieces per cushion with 48 bolts. (Drawing attached) Contractor shall take care to remove each bolt and secure all bolts and pieces of each Speed Cushion for reinstall. No removal will be allowed using heavy equipment that will damage the Speed Cushion and bolts. Contractor will be provided with adhesive, new sleeves and longer bolts if original bolts were used in the original install. The adhesive, new sleeves and longer bolts as required shall be picked up at Traffic Engineering at 2100 Clinton Avenue. | 50 | EA | \$300.00 | \$15,000.00 |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|----------|-------------|



|     |                                                                                                                                                                                                                                                                                                                          |    |    |          |             |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|----------|-------------|
| 380 | Install Only Speed Cushions - EACH speed cushion is 7' long by 6' wide and consists of 8 pieces per cushion with 48 bolts. (Drawing attached) Contractor shall pickup at Traffic Engineering at 2100 Clinton Avenue, new Speed Cushions, adhesive, sleeves and bolts for install as required.                            | 50 | EA | \$200.00 | \$10,000.00 |
| 381 | Removal only of existing speed cushions - EACH speed cushion is 7' long by 6' wide and consists of 8 pieces per cushion with 48 bolts. (Drawing attached) Contractor shall take care to remove each bolt and secure all bolts and pieces of each Speed Cushion and deliver to Traffic Engineering at 2100 Clinton Avenue | 50 | EA | \$150.00 | \$7,500.00  |

**XVIII: STRUCTURAL FILL**

|     |                                                           |     |    |         |            |
|-----|-----------------------------------------------------------|-----|----|---------|------------|
| 382 | Structural fill loaded into city trucks                   | 400 | CY | \$6.50  | \$2,600.00 |
| 383 | Structural fill delivered and dumped on site, 0-5 miles   | 200 | CY | \$11.00 | \$2,200.00 |
| 384 | Structural fill delivered and dumped on site, 5-10 miles  | 200 | CY | \$13.00 | \$2,600.00 |
| 385 | Structural fill delivered and dumped on site, 10-15 miles | 200 | CY | \$16.00 | \$3,200.00 |

**XIX: WAYFINDING SIGNS**

|     |                                                                    |    |    |             |             |
|-----|--------------------------------------------------------------------|----|----|-------------|-------------|
| 386 | Replacement of G1 - Monumental Gateway Sign, Complete in Place     | 4  | EA | \$11,150.64 | \$44,602.56 |
| 387 | Replacement of G2 - Post and Panel Gateway, Complete in Place      | 3  | EA | \$3,362.94  | \$10,088.82 |
| 388 | Replacement of T1 - Large Vehicular Trailblazer, Complete in Place | 26 | EA | \$2,913.12  | \$75,741.12 |
| 389 | Replacement of PT - Parking Directional, Complete in Place         | 11 | EA | \$3,395.58  | \$37,351.38 |

|     |                                                                                          |    |    |            |             |
|-----|------------------------------------------------------------------------------------------|----|----|------------|-------------|
| 390 | Replacement of T2- Small Vehicular Trailblazer Sign, Complete in Place                   | 7  | EA | \$1,767.66 | \$12,373.62 |
| 391 | Replacement of T3 - Small Vehicular A&E Trailblazer Signs, Complete in Place             | 3  | EA | \$1,767.66 | \$5,302.98  |
| 392 | Replacement of P2 - Mast arm Parking Directional Sign, Complete in Place                 | 12 | EA | \$591.60   | \$7,099.20  |
| 393 | Replacement of P1 - Stand-alone parking directional sign, Complete in Place              | 3  | EA | \$531.42   | \$1,594.26  |
| 394 | Replacement of P3 - Refurbished Parking/Identification/Directional, Complete in Place    | 4  | EA | \$685.44   | \$2,741.76  |
| 395 | Replacement of PD - Pedestrian Directional, Complete in Place                            | 1  | EA | \$2,902.92 | \$2,902.92  |
| 396 | Replacement of M1 - Pedestrian Orientation Map Sign, Complete in Place                   | 2  | EA | \$488.58   | \$977.16    |
| 397 | Replacement of G3 - Historic District Gateway, Complete in Place                         | 2  | EA | \$2,913.12 | \$5,826.24  |
| 398 | Replacement of K1 - Information Kiosk, Complete in Place                                 | 5  | EA | \$3,282.36 | \$16,411.80 |
| 399 | Replacement of S1 - Site Identification with Masonry Base, Complete in Place             | 1  | EA | \$5,227.50 | \$5,227.50  |
| 400 | Replacement of S2 - Site Identification with Panel Sign, Complete in Place               | 1  | EA | \$1,780.92 | \$1,780.92  |
| 401 | Replacement of Galvanized Poles due to damage, Complete in Place                         | 80 | EA | \$124.44   | \$9,955.20  |
| 402 | New T1 - Large Vehicular Trailblazer, Complete in place to include foundations and poles | 4  | EA | \$5,550.84 | \$22,203.36 |

|     |                                                                                                   |    |    |            |             |
|-----|---------------------------------------------------------------------------------------------------|----|----|------------|-------------|
| 403 | New PT – Parking Directional, Complete in place to include foundations and poles                  | 6  | EA | \$6,033.30 | \$36,199.80 |
| 404 | New T2- Small Vehicular Trailblazer Sign, Complete in place to include foundations and poles      | 3  | EA | \$4,405.38 | \$13,216.14 |
| 405 | New P2 – Mast arm Parking Directional Sign, Complete in place to include foundations and poles    | 4  | EA | \$1,875.78 | \$7,503.12  |
| 406 | New P1 – Stand-alone parking directional sign, Complete in place to include foundations and poles | 1  | EA | \$1,855.38 | \$1,855.38  |
| 407 | New P3 – Refurbished Parking/Identification/Directional, Complete in Place                        | 1  | EA | \$2,226.66 | \$2,226.66  |
| 408 | New PD – Pedestrian Directional, Complete in place to include foundations and poles               | 1  | EA | \$4,543.08 | \$4,543.08  |
| 409 | New M1 - Pedestrian Orientation Map Sign, Complete in place to include foundations and poles      | 1  | EA | \$5,144.88 | \$5,144.88  |
| 410 | New K1 - Information Kiosk, Complete in place to include foundations and poles                    | 1  | EA | \$4,873.56 | \$4,873.56  |
| 411 | Backing on Existing Signs G1 - Monumental Gateway Sign, Complete in place                         | 4  | EA | \$2,823.36 | \$11,293.44 |
| 412 | Backing on Existing Signs G2 – Post and Panel Gateway, Complete in Place                          | 3  | EA | \$1,122.00 | \$3,366.00  |
| 413 | Backing on Existing Signs T1 – Large Vehicular Trailblazer, Complete in Place                     | 26 | EA | \$1,221.96 | \$31,770.96 |
| 414 | Backing on Existing Signs PT – Parking Directional, Complete in Place                             | 11 | EA | \$1,300.50 | \$14,305.50 |
| 415 | Backing on Existing Signs T2- Small Vehicular Trailblazer Sign, Complete in Place                 | 7  | EA | \$946.56   | \$6,625.92  |

|                                |                                                                                                                                                                                                                                                            |    |    |            |              |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|------------|--------------|
| 416                            | Backing on Existing Signs T3 - Small Vehicular A&E District Trailblazer Signs, Complete in Place                                                                                                                                                           | 3  | EA | \$946.56   | \$2,839.68   |
| 417                            | Backing on Existing Signs P2 - Mast arm Parking Directional Sign, Complete in Place                                                                                                                                                                        | 12 | EA | \$591.60   | \$7,099.20   |
| 418                            | Backing on Existing Signs P1 - Stand-alone parking directional sign, Complete in Place                                                                                                                                                                     | 3  | EA | \$591.60   | \$1,774.80   |
| 419                            | Backing on Existing Signs P3 - Refurbished Parking/Identification/Directional, Complete in Place                                                                                                                                                           | 4  | EA | \$685.44   | \$2,741.76   |
| 420                            | Backing on Existing Signs PD - Pedestrian Directional, Complete in Place                                                                                                                                                                                   | 1  | EA | \$2,902.92 | \$2,902.92   |
| 421                            | Backing on Existing Signs M1 - Pedestrian Orientation, Complete in Place                                                                                                                                                                                   | 2  | EA | \$488.58   | \$977.16     |
| 422                            | Backing on Existing Signs G3 - Historic District Gateway, Complete in Place                                                                                                                                                                                | 2  | EA | \$795.60   | \$1,591.20   |
| 423                            | Backing on Existing Signs K1 - Information Kiosk, Complete in Place                                                                                                                                                                                        | 5  | EA | \$1,683.00 | \$8,415.00   |
| 424                            | Backing on Existing Signs S1 - Site Identification with Masonry Base, Complete in Place                                                                                                                                                                    | 1  | EA | \$1,549.38 | \$1,549.38   |
| 425                            | Backing on Existing Signs S2 - Site Identification with Panel Sign, Complete in Place                                                                                                                                                                      | 1  | EA | \$1,377.00 | \$1,377.00   |
| <b>XX: MISCELLANEOUS ITEMS</b> |                                                                                                                                                                                                                                                            |    |    |            |              |
| 426                            | Granville Light Pole Assembly, LED 3 (Or City Approved Equal) Complete in Place to Include Concrete Foundation, Pole, Fixture, Grounding Security Lug and All Incidentals Model Number GVD3 P30 40K MVOLT LS GL3 BK ST TBK PR3 RPXXY3 Receptacle provision | 50 | EA | \$9,384.00 | \$469,200.00 |



|                                                      |                                                                                                                                                                                                                       |       |    |             |                |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----|-------------|----------------|
| 427                                                  | Enhanced Washington Postlite Light Pole Assembly with Breakaway Base, 400 Watt ( Or City Approved Equal) Complete in Place to Include Concrete Foundation, Pole, Fixture, Grounding, Security Lug and All Incidentals | 10    | EA | \$15,300.00 | \$153,000.00   |
| 428                                                  | 45" x 73" Class III Arch Pipe                                                                                                                                                                                         | 200   | LF | \$372.00    | \$74,400.00    |
| 429                                                  | 2", Non-Metallic Conduit to Include Excavation, Stone Backfill, Fittings and All Incidentals                                                                                                                          | 2,000 | LF | \$25.50     | \$51,000.00    |
| 430                                                  | #2 Triplex 600V UG Cable Furnish and Install                                                                                                                                                                          | 2,000 | LF | \$7.14      | \$14,280.00    |
| 431                                                  | 6" Roadway Bore                                                                                                                                                                                                       | 500   | LF | \$76.50     | \$38,250.00    |
| 432                                                  | Quazite Box 12" x 12"                                                                                                                                                                                                 | 70    | EA | \$714.00    | \$49,980.00    |
| 433                                                  | Streetlight Meter Base HU Standards                                                                                                                                                                                   | 5     | LS | \$3,570.00  | \$17,850.00    |
| TOTAL BASE BID PRICE (for evaluation purposes only): |                                                                                                                                                                                                                       |       |    |             | \$8,066,506.14 |

*Basis of payment will be determined by multiplying the measured in place quantities determined in the field by the contract bid unit prices.*

Company Kaiser Aluminum  
 Signature [Signature]  
 Date January 6, 2022



**ATTACHMENT "B"**  
**PROPOSAL**

**TO:** **THE CITY OF HUNTSVILLE**  
**Public Services Building**  
**320 Fountain Circle**  
**Huntsville, Alabama**

**PROPOSAL OF:** Rogers Group, Inc.  
**(NAME)**  
2512 Triana Blvd SW, Huntsville, AL 35805  
**(ADDRESS)**

**TO MAKE CERTAIN IMPROVEMENTS ENTITLED:**

**PERIODIC BID FOR VARIOUS CONSTRUCTION PROJECTS-2021**  
**PROJECT #71-22-SP06**

**FOR THE CITY OF HUNTSVILLE, ALABAMA.**

**GENTLEMEN:**

The undersigned bidder has carefully examined the bid documents, the specifications, the general requirements, the general terms and conditions, this proposal, the agreement, together with any addenda thereto, and agrees to furnish and deliver all the materials, and to do and perform all the work and labor required to be furnished and delivered, done and performed in and about the improvements as described above and in accordance with certain specifications prepared and approved by the City Engineer of Huntsville, Alabama.

The undersigned bidder understands that when unit prices are called for, the quantities shown herein are approximate only and are subject to increase or decrease, and offers to do the work whether the quantities are increased, or decreased, at the unit prices stated in the following schedule. The undersigned bidder also understands that when lump sum bids are called for, he will be required to furnish all equipment, labor, material and other items or cost to construct a complete facility.

In the event a project requires a work item(s) not specified herein, the successful contractor shall submit to the City of Huntsville a description of the additional work items required and the proposed additional charges for such work, which shall be reviewed by the City of Huntsville for content and costs approval. At such time that unspecified work items are discovered at the site, all work shall cease on that particular project until final approval is obtained from the City of Huntsville.

Certificates of Insurance are required naming the City as additional insured. Also, the name of the project and the project number should be included on the certificate. The Certificates should reflect the insurance coverage required herein. The Certificates are to be signed by a person authorized by the insurer to bind coverage on its behalf and must indicate coverage will not be canceled or non-renewed except after thirty (30) days prior written notice to the City at the following address: City of Huntsville, P.O. Box 308, Huntsville, Alabama 35804 ATTN: Mary Ridgeway.

The undersigned bidder understands that the contract time for this periodic contract is one (1) year from the date of award, with services provided on an as-needed basis up to the Not to Exceed (NTE) Amount. The City of Huntsville reserves the right to extend the contract time for up to two (2) additional one (1) year

**Proposal – Page Two  
PERIODIC BID FOR VARIOUS CONSTRUCTION PROJECTS-2021  
PROJECT #71-22-SP06**

periods with each renewal year having a new NTE Amount in the same amount as the initial year. Yearly renewals are at the discretion of the City of Huntsville and are subject to the availability of funds. Notification of yearly renewal shall be by written letter from the City Engineer.

In the event that the NTE Amount is reached prior to the end of any yearly term, the City Engineer, at his or her discretion and subject to the availability of funds, may elect to advance the time for renewal in order to best meet the needs of the City, provided that total term of the original contract year and the two potential renewal periods does not exceed a total of three years from the initial date of award of the contract and provided the total expenditures are no more than three times the original Not to Exceed Amount.

Each project to be performed within this contract will require a separate work authorization and purchase order from City of Huntsville. Beginning and end dates for each project will be stated and shall be signed by contractor accepting the terms for each work authorization. Bid prices shall remain firm for the entire length of the contract. Any price increase imposed during the extended contract period shall be in exact increments of any increase imposed by the contractor's supplier. Written verification of any such increase must be submitted to the City of Huntsville for consideration and approval prior to any costs being incurred. If an agreement cannot be reached concerning any such price increases, the City of Huntsville reserves the right to cancel the contract.

The City of Huntsville will direct and approve the work element and the quantities required for each project location and will compute the overall cost for each element of work and their respective quantities.

**THE UNDERSIGNED BIDDER ALSO AGREES AS FOLLOWS:**

Within fifteen (15) days after the date of notice of acceptance of this proposal to execute the contract and to furnish to the City of Huntsville, Alabama, a labor and material bond and a performance bond, each in the amount of FIVE HUNDRED THOUSAND AND NO/100 DOLLARS (\$500,000.00), to remain in effect for the duration of the contract, and as allowed by State Law, and approved by the OWNER.

Accompanying this proposal is a certified check or bid bond in the amount of not less than five percent (5%) of the total amount shown on the schedule of prices not exceeding \$10,000.00 payable to the City of Huntsville, Alabama, which is to be forfeited, as liquidated damages, if, in the event that his proposal is accepted, the undersigned shall fail to execute the contract and furnish a satisfactory contract bond under the conditions and within the time specified in this proposal; otherwise, said certified check or bid bond is to be returned to the undersigned.

**Proposal - Page Three  
PERIODIC BID FOR VARIOUS CONSTRUCTION PROJECTS-2021  
PROJECT #71-22-SP06**

**DATED:** January 6, 20 22.

\_\_\_\_\_  
**(IF AN INDIVIDUAL, PARTNERSHIP, OR NON-INCORPORATED ORGANIZATION)**

**SIGNATURE OF BIDDER** \_\_\_\_\_

**BY** \_\_\_\_\_

**ADDRESS OF BIDDER** \_\_\_\_\_

**NAMES AND ADDRESSES OF MEMBERS OF THE FIRM:**

\_\_\_\_\_  
\_\_\_\_\_

**OUR CONTRACTOR'S STATE LICENSE NO. IS** 14069

\_\_\_\_\_  
**(IF A CORPORATION)**

**SIGNATURE OF BIDDER**  \_\_\_\_\_

**BY** Anthony M. Garcia, Vice President

**BUSINESS ADDRESS** 2512 Triana Blvd SW, Huntsville, AL 35805

**INCORPORATED UNDER THE LAWS OF THE STATE OF** Indiana

**NAMES** Vice **PRESIDENT** Anthony M. Garcia

**OF** **SECRETARY** Steven Jackson

**OFFICERS** **TREASURER** Tim Doss, Secretary

**MANDATORY ACKNOWLEDGEMENT OF ADDENDA:** Addenda will only be emailed to those bidders who attend and have signed in at the pre-bid meeting. Acknowledgement of receipt of addenda is mandatory using Attachment "C" and attachment must be submitted with bid package. Failure to do so shall be cause for rejection of the bid. It is the responsibility of all bidders to refer to the website for any updates.

**ATTACHMENT "C"**

**PERIODIC BID FOR VARIOUS CONSTRUCTION PROJECTS-2021  
PROJECT #71-22-SP06**

**MANDATORY ACKNOWLEDGEMENT OF ADDENDA**

Acknowledgement of receipt of Addenda is Mandatory. Failure to acknowledge receipt shall be cause for rejection of the bid. By signing below, Bidder acknowledges receipt of Addenda and the date received.

| <u>ADDENDUM NO.</u> | <u>DATE RECEIVED</u> |
|---------------------|----------------------|
| 1                   | 12/07/2021           |
| 2                   | 12/08/2021           |
| 3                   | 12/13/2021           |
| 4                   | 12/16/2021           |
|                     |                      |
|                     |                      |
|                     |                      |

**COMPANY** Rogers Group, Inc.

**SIGNATURE**   
Anthony M. Garcia

**TITLE** Vice President

**DATE** January 6, 2021

**ATTACHMENT "D"**

**PERIODIC BID FOR VARIOUS CONSTRUCTION PROJECTS-2021  
PROJECT #71-22-SP06**

**SUBCONTRACTOR'S LISTING**

All subcontractors must be approved in writing by Owner. Any additional subcontractors needed during the contract period shall be approved by written letter from the Owner. Contractor shall immediately notify Mary Ridgeway via email at [mary.ridgeway@huntsvilleal.gov](mailto:mary.ridgeway@huntsvilleal.gov) and the Owner's project inspector of any changes to subcontractor list for the duration of the project.

| <b><u>TASKS TO BE PERFORMED</u></b>         | <b><u>SUBCONTRACTOR NAME</u></b> | <b><u>LICENSE NO.</u></b> | <b><u>ADDRESS</u></b>                             | <b><u>ITEM #'S OF WORK TO BE PERFORMED</u></b> |
|---------------------------------------------|----------------------------------|---------------------------|---------------------------------------------------|------------------------------------------------|
| Surveying/Layout                            |                                  |                           |                                                   |                                                |
| Permitting                                  |                                  |                           |                                                   |                                                |
| Clearing & Grubbing                         |                                  |                           |                                                   |                                                |
| Erosion Control                             |                                  |                           |                                                   |                                                |
| Traffic Control                             |                                  |                           |                                                   |                                                |
| Excavation                                  |                                  |                           |                                                   |                                                |
| Concrete                                    | Miller & Miller, Inc.            | 4166                      | 2106 Miller Ferry Way, SW<br>Huntsville, AL 35801 | 356-359                                        |
| Storm Drainage                              |                                  |                           |                                                   |                                                |
| Sanitary Sewer                              |                                  |                           |                                                   |                                                |
| Shoring/Monitoring                          |                                  |                           |                                                   |                                                |
| Retaining Walls                             |                                  |                           |                                                   |                                                |
| Bridges                                     |                                  |                           |                                                   |                                                |
| Railroads                                   |                                  |                           |                                                   |                                                |
| Traffic (signals, loops)                    | Shoals Electric Company, Inc.    | 9168                      | 704 Davison Ave<br>Muscle Shoals, AL 35661        | 192-207, 343, 426-427, 429-433                 |
| Street Lights                               |                                  |                           |                                                   |                                                |
| Electrical                                  |                                  |                           |                                                   |                                                |
| Water                                       |                                  |                           |                                                   |                                                |
| Asphalt                                     |                                  |                           |                                                   |                                                |
| Landscaping (Trees, grassing)               |                                  |                           |                                                   |                                                |
| Irrigation                                  | Water Water Everywhere           | S-23259                   | 214 Lenwood Drive<br>Decatur, AL 35603            | 361-378                                        |
| Striping                                    | JC Cheek Contractors, Inc.       | 11303                     | 2087 Attala Road #5257<br>Kosciusko, MS 39090     | 313-330, 334-338                               |
| Sewer Testing                               |                                  |                           |                                                   |                                                |
| Guardrails                                  | Alabama Guardrail, Inc.          | 9452                      | 60701 US Highway 231<br>Oneonta, AL 35121         | 276-285, 331-333                               |
| Handrails                                   |                                  |                           |                                                   |                                                |
| Painting                                    |                                  |                           |                                                   |                                                |
| Special (fencing, benches, dewatering etc.) | Tennessee Valley Fence           | 45014                     | 1035A Cleaner Way SW<br>Huntsville, AL 35805      | 267-272, 353-355, 360                          |
| Mechanical                                  |                                  |                           |                                                   |                                                |
| SCADA                                       |                                  |                           |                                                   |                                                |
| Other                                       | Trav-Ad Signs, Inc.              | 18895                     | 2450 Braham Ave SW<br>Huntsville, AL 35805        | 386-425                                        |

McCord Construction

26905

334 County Road 184  
Gurley, AL 35748

240-247



**ATTACHMENT "E"**

**PERIODIC BID FOR VARIOUS CONSTRUCTION PROJECTS - 2021  
PROJECT #71-22-SP06**

Contractor shall provide at least five (5) references including NAME OF PROJECT, Owner Name, address, phone number and contact name that demonstrates contractor's ability on similar projects. The contract amount of the project shall also be stated

1. City of Huntsville Redstone Gateway Package 1– Lake F (Unsecure area)  
320 Fountain Circle \$1,825,598.50  
Huntsville, Alabama 35804  
POC: Chris McNeese, Phone: (256) 535-2489
  
2. City of Huntsville Highway 72 West Meridian Crossover  
320 Fountain Circle \$1,115,232.25  
Huntsville, Alabama 35804  
POC: Dennis Thompson, Phone: (256) 535-2489
  
3. City of Huntsville Mastin Lake Road Improvements  
320 Fountain Circle \$2,017,361.05  
Huntsville, Alabama 35804  
POC: Chris McNeese, Phone: (256) 535-2489
  
4. City of Huntsville Farrow Road Improvements  
320 Fountain Circle \$3,425,005.63  
Huntsville, Alabama 35804  
POC: Cathy Martin, Phone: (256) 535-2489
  
5. City of Huntsville Shields Road Extension  
320 Fountain Circle \$245,819.60  
Huntsville, Alabama 35804  
POC: Chris McNeese, Phone: (256) 535-2489

## **ATTACHMENT "F"**

Pre-bid meeting to be held on Tuesday, December 7, 2021, at 10:00 a.m., in the 1st Floor Conference Room at 320 Fountain Circle, Huntsville, AL 35801.

### **NOTICE TO CONTRACTORS**

**WANTED:** Sealed bids in duplicate for the construction of: Periodic Bid for Various Construction Projects-2021, more particularly known as Project No. 71-22-SP06

**Description of Project:** The purpose of this periodic bid for various construction projects is to provide for the expedient construction of roadway, drainage and other projects as designated by the City of Huntsville, utilizing unit prices for the commonly performed contractor work items. Construction of these projects is intended to be performed within the shortest possible time frame with the work beginning and ending on dates selected by the City of Huntsville for each work authorization. Failure to comply with the times specified in the Notice to Proceed (NTP) may, in the sole determination of the City of Huntsville, result in the contractor being prohibited from bidding on additional work for the City of Huntsville, until such time as contractor is back on schedule.

The attention of all bidders is called to Code of Alabama §§ 34-8-1 and 34-8-2 (1975) and 34-8-1, 34-8-2, 34-8-4, 34-8-6, 34-8-7, 34-8-8 and 34-8-9(amended 1996) setting forth the definition of general contractor and the licensing procedures and requirements for state licensing. A copy of the above Codes may be obtained from the OWNER (City of Huntsville). No one is entitled to bid and no contract may be awarded to anyone who does not possess a valid general contractor's license and the required classification for the municipal type work to be performed. The general contractor's license and classification must appear on the outside of the bid envelope along with the general contractors name and address, project name and number and date and time of bid opening. Section 39-3-5 Code of Alabama has been amended as follows:

"In awarding the Contract, preference will be given to Alabama resident contractors and a nonresident bidder domiciled in a state having laws granting preference to local contractors shall be awarded the Contract only on the same basis as the nonresident bidder's state awards contracts to Alabama contractors bidding under similar circumstances."

This project, Periodic Bid for Various Construction Projects-2021, more particularly known as Project No. 71-22-SP06 requires the contractor to possess a State of Alabama Classification of (HS) Highways & Streets or (MU) Municipal & Utility.

After proposals are opened and read, they will be compared on the basis of the summation of the products or approximate quantities shown in Attachment "A", multiplied by the unit bid prices. In the event of a discrepancy between unit bid prices and extensions, the unit bid price shall govern. A proposal will not be considered unless signed by the bidder or his authorized agent and accompanied by cashier's check or properly signed bid bond, as required by law.

In determining the successful bidder, the Owner will consider in addition to the bid prices, such responsibility factors as characteristics and responsibility, skill, experience, record of integrity in business, and of performance offered and past record of performance on Owner contracts on other similar projects. Any other factors not specifically mentioned or provided for herein, in addition to that of the bid price which would affect the final cost of the Owner, will be taken into consideration in making award of contract. The right is reserved to reject any bid where investigation of the business and technical organization of the bidder available for the contemplated work, including financial resources, equipment, and experience on similar projects does not satisfy the Owner that such bidder is qualified to perform the work. The City Council of the City of Huntsville reserves the right to reject any and all bids and to waive informalities.

Separate sealed bids for the construction of this project will be received at the City of Huntsville Public Services Building, 320 Fountain Circle, in the 1st Floor in the Conference Room, on the 17th day of December, 2021, until 10:00 am. Each bid shall be accompanied by Bid Bond in the amount of five percent of the bid, but not exceeding \$10,000.00. Quantities are known as Attachment "A". No bidder may withdraw his bid within ninety (90) days after the actual date of opening.

These Addenda, Special Provisions, Plans, the Supplement to General Requirements for Construction of Public Improvements City of Huntsville Specifications, Standard Specifications for Construction of Public Improvements Contract Projects and all supplementary documents are essential parts of the contract, and a requirement occurring in one is as binding as though occurring in all. They are intended to be complimentary and to describe and provide for a complete work. Contract Document Order of Precedence shall be as follows:

1. Addenda
2. General Requirements (Instructions to Bidders and Bid Proposal Including Attachments)
3. Supplement to General Requirements
4. Drawings / City of Huntsville Standard Specifications for Construction of Public Improvements Contract Projects 1991
5. Supplemental Specifications (Earthwork, Chain Link Fences, and Gates)
6. Special Conditions
7. Current ALDOT Specifications

Standard Specifications for Construction of Public Improvements Contract Projects and Engineering Standards are available at no charge by downloading from the City Engineering website: <http://www.huntsvilleal.gov/government/departments/engineering-department/>. Plans and proposals can be downloaded from our website at no cost: [www.huntsvilleal.gov/engineeringbids](http://www.huntsvilleal.gov/engineeringbids). Contractors will be responsible for costs of duplicating their own plans and can choose photocopying facility of their choice. Additionally, Contractors are responsible for checking website for any revisions/updates. Contractor is required to submit pricing, provided by the COH (Attachment "A") and made available for download from the Engineering website, on either a CD-RW (preferably in a live/flash drive format) in the Excel format. The CD-RW (preferably in a live/flash drive format) must be in working condition and included with original bid packet and reflect the correct revision, along with two signed hard copies. Bid must be submitted from the file (Quantities) provided and downloaded from the City of Huntsville's website. Failure to do so may be cause for rejection of bid. The City reserves the right to reject any altered bid resulting from altering the CD in any manner. If a price discrepancy is found on the CD-RW, or the correct version of bid quantities is not submitted on the CD-RW which corresponds to the printed hard copy, then printed hard copy prices submitted with original bid documents, with Contractor signature, will prevail. All bids must be SEALED before submittal at the bid opening. Any bids received that are not sealed will be immediately rejected.

#### **E-VERIFY - NOTICE**

The Beason-Hammon Alabama Taxpayer and Citizen Protection Act, Act No. 2011-535, Code of Alabama (1975) § 31-13-1 through 31-13-30 (also known as and hereinafter referred to as "the Alabama Immigration Act") as amended by Act No. 2012-491 on May 16, 2012 is applicable to all competitively bid contracts with the City of Huntsville. As a condition for the award of a contract and as a term and condition of the contract with the City of Huntsville, in accordance with § 31-13-9 (a) of the Alabama Immigration Act, as amended, any business entity or employer that employs one or more employees shall not knowingly employ, hire for employment, or continue to employ an unauthorized alien within the State of Alabama. During the performance of the contract, such business entity or employer shall participate in the E-Verify program and shall verify every employee that is required to be verified according to the applicable federal rules and regulations. The business entity or employer shall assure that these requirements are included in each subcontract in accordance with §31-13-9(c). Failure to comply with these requirements may result in breach of contract, termination of the contract or subcontract, and possibly suspension or revocation of business licenses and permits in accordance with §31-13-9 (e) (1) & (2). Code of Alabama (1975) § 31-13-9 (k) requires that the following clause be included in all City of Huntsville contracts that have been competitively bid and is hereby made a part of this contract:

"By signing this contract the contracting parties affirm, for the duration of the agreement, that they will not violate federal immigration law or knowingly employ, hire for employment, or continue to employ an unauthorized alien within the State of Alabama. Furthermore, a contracting party found to be in violation of this provision shall be deemed in breach of the agreement and shall be responsible for all damages resulting therefrom."

Contractor's E-Verify Memorandum of Understanding shall be a part of the contract bid documents and shall be submitted with the bid package.

**ALABAMA IMMIGRATION ACT (Beason-Hammon Alabama Taxpayer and Citizen Protection Act, Act No. 2011-535, Code of Alabama (1975))**

Compliance with the requirements of the (Beason-Hammon Alabama Taxpayer and Citizen Protection Act, Act No. 2011-535, Code of Alabama (1975) § 31-13-1 through 31-13-30, as amended by Alabama Act 2012-241, commonly referred to as the Alabama Immigration Law, is required for City of Huntsville, Alabama contracts that are competitively bid as a condition of the contract performance. The Contractor shall submit in the bid package, with the requested information included on the

form, the "City of Huntsville, Alabama Report of Ownership Form" listed in the bid proposal as Attachment "I". The bidder selected for award of the contract may be required to complete additional forms relating to citizenship or alien status of the bidder and its employees, including e-verify information, prior to award of a contract.

**ALABAMA ACT 2016-312**

"In accordance with Alabama Act 2016-312 as adopted and approved on May 5, 2016, on behalf of \_\_\_\_\_  
(Insert name of business) I do hereby certify and represent that this business is not currently engaged in, and will not engage in, the boycott of a person or an entity based in or doing business with a jurisdiction with which this state can enjoy open trade.

\_\_\_\_\_  
Title: \_\_\_\_\_  
(Signature of authorized individual) "

Advertise date: 11/28/2021

## **ATTACHMENT "G"**

**All vendors/contractors are required to submit a Federal Tax Form W-9 to City of Huntsville at the time a contract is awarded, unless vendor/contractor is already registered and doing business with the City. No payments of invoices can be made until this W-9 Tax Form has been properly submitted. A copy of the W-9 Tax Form can be obtained at the following website: [www.irs.ustreas.gov/pub/irs-pdf/fw9.pdf](http://www.irs.ustreas.gov/pub/irs-pdf/fw9.pdf)**



## CITY OF HUNTSVILLE, ALABAMA REPORT OF OWNERSHIP FORM

**A. General Information.** Please provide the following information:

- Legal name(s) (include "doing business as", if applicable): Rogers Group, Inc.
- City of Huntsville current taxpayer identification number (if available): 26025  
(Please note that if this number has been assigned by the City and if you are renewing your business license, the number should be listed on the renewal form.)


**B. Type of Ownership.** Please complete the un-shaded portions of the following chart by checking the appropriate box below and entering the appropriate Entity I.D. Number, if applicable (for an explanation of what an entity number is, please see paragraph C below):

| Type of Ownership<br>(check appropriate box)                             | Entity I. D. Number<br>& Applicable State            |
|--------------------------------------------------------------------------|------------------------------------------------------|
| <input type="checkbox"/> Individual or Sole Proprietorship               | Not Applicable                                       |
| <input type="checkbox"/> General Partnership                             | Not Applicable                                       |
| <input type="checkbox"/> Limited Partnership (LP)                        | Number & State:                                      |
| <input type="checkbox"/> Limited Liability Partnership (LLP)             | Number & State:                                      |
| <input type="checkbox"/> Limited Liability Company (LLC) (Single Member) | Number & State:                                      |
| <input type="checkbox"/> LLC (Multi-Member)                              | Number & State:                                      |
| <input checked="" type="checkbox"/> Corporation                          | Number & State:<br>125303 Indiana                    |
| <input type="checkbox"/> Other, please explain:                          | Number & State (if a filing entity under state law): |

**C. Entity I.D. Numbers.** If an Entity I.D. Number is required and if the business entity is registered in this state, the number is available through the website of Alabama's Secretary of State at: [www.sos.state.al.us/](http://www.sos.state.al.us/), under "Government Records". If a foreign entity is not registered in this state please provide the Entity I.D. number (or other similar number by whatever named called) assigned by the state of formation along with the name of the state.

**D. Formation Documents.** Please note that, with regard to entities, the entity's formation documents, including articles or certificates of incorporation, organization, or other applicable formation documents, as recorded in the probate records of the applicable county and state of formation, are not required unless: (1) specifically requested by the City, or (2) an Entity I.D. Number is required and one has not been assigned or provided.

Please date and sign this form in the space provided below and either write legibly or type your name under your signature. If you are signing on behalf of an entity please insert your title as well.

Signature:  Title (if applicable): Vice President

Type or legibly write name: Anthony M. Garcia Date: January 6, 2022



Employment Eligibility Verification

Welcome  
Connie EdwardsUser ID  
CEDW5206Last Login  
05:01 PM - 01/30/2012 Log Out

Click any for help

[Home](#)  
[My Cases](#)  
[New Case](#)  
[View Cases](#)  
[Search Cases](#)  
[My Profile](#)  
[Edit Profile](#)  
[Change Password](#)  
[Change Security Questions](#)  
[My Company](#)  
[Edit Company Profile](#)  
[Add New User](#)  
[View Existing Users](#)  
[Close Company Account](#)  
[My Reports](#)  
[View Reports](#)  
[My Resources](#)  
[View Essential Resources](#)  
[Take Tutorial](#)  
[View User Manual](#)  
[Contact Us](#)

## Company Information

**Company Name:** Rogers Group, Inc.  
**Company ID Number:** 362997  
**Doing Business As (DBA) Name:** Rogers Group, Inc.  
**DUNS Number:** 057913287

[View / Edit](#)

## Physical Location:

**Address 1:** 421 Great Circle Road  
**Address 2:**  
**City:** Nashville  
**State:** TN  
**Zip Code:** 37228  
**County:** DAVIDSON

## Mailing Address:

**Address 1:** P. O. Box 25250  
**Address 2:**  
**City:** Nashville  
**State:** TN  
**Zip Code:** 37202

## Additional Information:

**Employer Identification Number:** 351418333  
**Total Number of Employees:** 1,000 to 2,499  
**Parent Organization:** Rogers Group, Inc.  
**Administrator:**  
**Organization Designation:**  
**Employer Category:** Federal Contractor with FAR E-Verify Clause  
**Federal Contractor Category:** None of these categories apply  
**Employees being verified:** All new hires and all existing employees assigned to a Federal contract

NAICS Code: 212 - MINING (EXCEPT OIL AND GAS)

[View / Edit](#)

Total Hiring Sites: 91

[View / Edit](#)

Total Points of Contact: 2

[View / Edit](#)[View MOU](#)



Company ID Number: 362997

## THE E-VERIFY PROGRAM FOR EMPLOYMENT VERIFICATION MEMORANDUM OF UNDERSTANDING

### ARTICLE I

#### PURPOSE AND AUTHORITY

This Memorandum of Understanding (MOU) sets forth the points of agreement between the Department of Homeland Security (DHS) and Rogers Group, Inc. (Employer) regarding the Employer's participation in the Employment Eligibility Verification Program (E-Verify). This MOU explains certain features of the E-Verify program and enumerates specific responsibilities of DHS, the Social Security Administration (SSA), and the Employer. E-Verify is a program that electronically confirms an employee's eligibility to work in the United States after completion of the Employment Eligibility Verification Form (Form I-9). For covered government contractors, E-Verify is used to verify the employment eligibility of all newly hired employees and all existing employees assigned to Federal contracts or to verify the entire workforce if the contractor so chooses.

Authority for the E-Verify program is found in Title IV, Subtitle A, of the Illegal Immigration Reform and Immigrant Responsibility Act of 1996 (IIRIRA), Pub. L. 104-208, 110 Stat. 3009, as amended (8 U.S.C. § 1324a note). Authority for use of the E-Verify program by Federal contractors and subcontractors covered by the terms of Subpart 22.18, "Employment Eligibility Verification", of the Federal Acquisition Regulation (FAR) (hereinafter referred to in this MOU as a "Federal contractor with the FAR E-Verify clause") to verify the employment eligibility of certain employees working on Federal contracts is also found in Subpart 22.18 and in Executive Order 12989, as amended.

### ARTICLE II

#### FUNCTIONS TO BE PERFORMED

##### A. RESPONSIBILITIES OF SSA

1. SSA agrees to provide the Employer with available information that allows the Employer to confirm the accuracy of Social Security Numbers provided by all employees verified under this MOU and the employment authorization of U.S. citizens.
2. SSA agrees to provide to the Employer appropriate assistance with operational problems that may arise during the Employer's participation in the E-Verify program. SSA agrees to provide the Employer with names, titles, addresses, and telephone numbers of SSA representatives to be contacted during the E-Verify process.
3. SSA agrees to safeguard the information provided by the Employer through the E-Verify program procedures, and to limit access to such information, as is appropriate by law, to individuals responsible for the verification of Social Security Numbers and for evaluation of the E-Verify program or such other persons or entities who may be authorized by SSA as governed



**Company ID Number: 362997**

by the Privacy Act (5 U.S.C. § 552a), the Social Security Act (42 U.S.C. 1306(a)), and SSA regulations (20 CFR Part 401).

4. SSA agrees to provide a means of automated verification that is designed (in conjunction with DHS's automated system if necessary) to provide confirmation or tentative nonconfirmation of U.S. citizens' employment eligibility within 3 Federal Government work days of the initial inquiry.

5. SSA agrees to provide a means of secondary verification (including updating SSA records as may be necessary) for employees who contest SSA tentative nonconfirmations that is designed to provide final confirmation or nonconfirmation of U.S. citizens' employment eligibility and accuracy of SSA records for both citizens and non-citizens within 10 Federal Government work days of the date of referral to SSA, unless SSA determines that more than 10 days may be necessary. In such cases, SSA will provide additional verification instructions.

## **B. RESPONSIBILITIES OF DHS**

1. After SSA verifies the accuracy of SSA records for employees through E-Verify, DHS agrees to provide the Employer access to selected data from DHS's database to enable the Employer to conduct, to the extent authorized by this MOU:

- Automated verification checks on employees by electronic means, and
- Photo verification checks (when available) on employees.

2. DHS agrees to provide to the Employer appropriate assistance with operational problems that may arise during the Employer's participation in the E-Verify program. DHS agrees to provide the Employer names, titles, addresses, and telephone numbers of DHS representatives to be contacted during the E-Verify process.

3. DHS agrees to make available to the Employer at the E-Verify Web site and on the E-Verify Web browser, instructional materials on E-Verify policies, procedures and requirements for both SSA and DHS, including restrictions on the use of E-Verify. DHS agrees to provide training materials on E-Verify.

4. DHS agrees to provide to the Employer a notice, which indicates the Employer's participation in the E-Verify program. DHS also agrees to provide to the Employer anti-discrimination notices issued by the Office of Special Counsel for Immigration-Related Unfair Employment Practices (OSC), Civil Rights Division, U.S. Department of Justice.

5. DHS agrees to issue the Employer a user identification number and password that permits the Employer to verify information provided by employees with DHS's database.

6. DHS agrees to safeguard the information provided to DHS by the Employer, and to limit access to such information to individuals responsible for the verification of employees' employment eligibility and for evaluation of the E-Verify program, or to such other persons or entities as may be authorized by applicable law. Information will be used only to verify the accuracy of Social Security Numbers and employment eligibility, to enforce the Immigration and





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Nationality Act (INA) and Federal criminal laws, and to administer Federal contracting requirements.

7. DHS agrees to provide a means of automated verification that is designed (in conjunction with SSA verification procedures) to provide confirmation or tentative nonconfirmation of employees' employment eligibility within 3 Federal Government work days of the initial inquiry.

8. DHS agrees to provide a means of secondary verification (including updating DHS records as may be necessary) for employees who contest DHS tentative nonconfirmations and photo non-match tentative nonconfirmations that is designed to provide final confirmation or nonconfirmation of the employees' employment eligibility within 10 Federal Government work days of the date of referral to DHS, unless DHS determines that more than 10 days may be necessary. In such cases, DHS will provide additional verification instructions.

### **C. RESPONSIBILITIES OF THE EMPLOYER**

1. The Employer agrees to display the notices supplied by DHS in a prominent place that is clearly visible to prospective employees and all employees who are to be verified through the system.

2. The Employer agrees to provide to the SSA and DHS the names, titles, addresses, and telephone numbers of the Employer representatives to be contacted regarding E-Verify.

3. The Employer agrees to become familiar with and comply with the most recent version of the E-Verify User Manual.

4. The Employer agrees that any Employer Representative who will perform employment verification queries will complete the E-Verify Tutorial before that individual initiates any queries.

A. The Employer agrees that all Employer representatives will take the refresher tutorials initiated by the E-Verify program as a condition of continued use of E-Verify.

B. Failure to complete a refresher tutorial will prevent the Employer from continued use of the program.

5. The Employer agrees to comply with current Form I-9 procedures, with two exceptions:

- If an employee presents a "List B" identity document, the Employer agrees to only accept "List B" documents that contain a photo. (List B documents identified in 8 C.F.R. § 274a.2(b)(1)(B)) can be presented during the Form I-9 process to establish identity.) If an employee objects to the photo requirement for religious reasons, the Employer should contact E-Verify at 888-464-4218.

- If an employee presents a DHS Form I-551 (Permanent Resident Card) or Form I-766 (Employment Authorization Document) to complete the Form I-9, the Employer agrees to make a photocopy of the document and to retain the photocopy with the employee's Form I-9. The photocopy must be of sufficient quality to allow for verification of the photo





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and written information. The employer will use the photocopy to verify the photo and to assist DHS with its review of photo non-matches that are contested by employees. Note that employees retain the right to present any List A, or List B and List C, documentation to complete the Form I-9. DHS may in the future designate other documents that activate the photo screening tool.

6. The Employer understands that participation in E-Verify does not exempt the Employer from the responsibility to complete, retain, and make available for inspection Forms I-9 that relate to its employees, or from other requirements of applicable regulations or laws, including the obligation to comply with the antidiscrimination requirements of section 274B of the INA with respect to Form I-9 procedures, except for the following modified requirements applicable by reason of the Employer's participation in E-Verify: (1) identity documents must have photos, as described in paragraph 5 above; (2) a rebuttable presumption is established that the Employer has not violated section 274A(a)(1)(A) of the Immigration and Nationality Act (INA) with respect to the hiring of any individual if it obtains confirmation of the identity and employment eligibility of the individual in good faith compliance with the terms and conditions of E-Verify; (3) the Employer must notify DHS if it continues to employ any employee after receiving a final nonconfirmation, and is subject to a civil money penalty between \$550 and \$1,100 for each failure to notify DHS of continued employment following a final nonconfirmation; (4) the Employer is subject to a rebuttable presumption that it has knowingly employed an unauthorized alien in violation of section 274A(a)(1)(A) if the Employer continues to employ an employee after receiving a final nonconfirmation; and (5) no person or entity participating in E-Verify is civilly or criminally liable under any law for any action taken in good faith based on information provided through the confirmation system. DHS reserves the right to conduct Form I-9 and E-Verify system compliance inspections during the course of E-Verify, as well as to conduct any other enforcement activity authorized by law.

7. The Employer agrees to initiate E-Verify verification procedures for new employees within 3 Employer business days after each employee has been hired (but after the Form I-9 has been completed), and to complete as many (but only as many) steps of the E-Verify process as are necessary according to the E-Verify User Manual, or in the case of Federal contractors with the FAR E-Verify clause, the E-Verify User Manual for Federal Contractors. The Employer is prohibited from initiating verification procedures before the employee has been hired and the Form I-9 completed. If the automated system to be queried is temporarily unavailable, the 3-day time period is extended until it is again operational in order to accommodate the Employer's attempting, in good faith, to make inquiries during the period of unavailability. Employers may initiate verification by notating the Form I-9 in circumstances where the employee has applied for a Social Security Number (SSN) from the SSA and is waiting to receive the SSN, provided that the Employer performs an E-Verify employment verification query using the employee's SSN as soon as the SSN becomes available.

8. The Employer agrees not to use E-Verify procedures for pre-employment screening of job applicants, in support of any unlawful employment practice, or for any other use not authorized by this MOU. Employers must use E-Verify for all new employees, unless an Employer is a Federal contractor that qualifies for the exceptions described in Article II.D.1.c. Except as provided in Article II.D, the Employer will not verify selectively and will not verify employees hired before the effective date of this MOU. The Employer understands that if the Employer



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uses the E-Verify system for any purpose other than as authorized by this MOU, the Employer may be subject to appropriate legal action and termination of its access to SSA and DHS information pursuant to this MOU.

9. The Employer agrees to follow appropriate procedures (see Article III. below) regarding tentative nonconfirmations, including notifying employees in private of the finding and providing them written notice of the findings, providing written referral instructions to employees, allowing employees to contest the finding, and not taking adverse action against employees if they choose to contest the finding. Further, when employees contest a tentative nonconfirmation based upon a photo non-match, the Employer is required to take affirmative steps (see Article III.B. below) to contact DHS with information necessary to resolve the challenge.

10. The Employer agrees not to take any adverse action against an employee based upon the employee's perceived employment eligibility status while SSA or DHS is processing the verification request unless the Employer obtains knowledge (as defined in 8 C.F.R. § 274a.1(l)) that the employee is not work authorized. The Employer understands that an initial inability of the SSA or DHS automated verification system to verify work authorization, a tentative nonconfirmation, a case in continuance (indicating the need for additional time for the government to resolve a case), or the finding of a photo non-match, does not establish, and should not be interpreted as evidence, that the employee is not work authorized. In any of the cases listed above, the employee must be provided a full and fair opportunity to contest the finding, and if he or she does so, the employee may not be terminated or suffer any adverse employment consequences based upon the employee's perceived employment eligibility status (including denying, reducing, or extending work hours, delaying or preventing training, requiring an employee to work in poorer conditions, refusing to assign the employee to a Federal contract or other assignment, or otherwise subjecting an employee to any assumption that he or she is unauthorized to work) until and unless secondary verification by SSA or DHS has been completed and a final nonconfirmation has been issued. If the employee does not choose to contest a tentative nonconfirmation or a photo non-match or if a secondary verification is completed and a final nonconfirmation is issued, then the Employer can find the employee is not work authorized and terminate the employee's employment. Employers or employees with questions about a final nonconfirmation may call E-Verify at 1-888-464-4218 or QSC at 1-800-255-8155 or 1-800-237-2515 (TDD).

11. The Employer agrees to comply with Title VII of the Civil Rights Act of 1964 and section 274B of the INA, as applicable, by not discriminating unlawfully against any individual in hiring, firing, or recruitment or referral practices because of his or her national origin or, in the case of a protected individual as defined in section 274B(a)(3) of the INA, because of his or her citizenship status. The Employer understands that such illegal practices can include selective verification or use of E-Verify except as provided in part D below, or discharging or refusing to hire employees because they appear or sound "foreign" or have received tentative nonconfirmations. The Employer further understands that any violation of the unfair immigration-related employment practices provisions in section 274B of the INA could subject the Employer to civil penalties, back pay awards, and other sanctions, and violations of Title VII could subject the Employer to back pay awards, compensatory and punitive damages. Violations of either section 274B of the INA or Title VII may also lead to the termination of its participation in E-





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Verify. If the Employer has any questions relating to the anti-discrimination provision, it should contact OSC at 1-800-255-8155 or 1-800-237-2515 (TDD).

12. The Employer agrees to record the case verification number on the employee's Form I-9 or to print the screen containing the case verification number and attach it to the employee's Form I-9.

13. The Employer agrees that it will use the information it receives from SSA or DHS pursuant to E-Verify and this MOU only to confirm the employment eligibility of employees as authorized by this MOU. The Employer agrees that it will safeguard this information, and means of access to it (such as PINS and passwords) to ensure that it is not used for any other purpose and as necessary to protect its confidentiality, including ensuring that it is not disseminated to any person other than employees of the Employer who are authorized to perform the Employer's responsibilities under this MOU, except for such dissemination as may be authorized in advance by SSA or DHS for legitimate purposes.

14. The Employer acknowledges that the information which it receives from SSA is governed by the Privacy Act (5 U.S.C. § 552a(l)(1) and (3)) and the Social Security Act (42 U.S.C. 1306(a)), and that any person who obtains this information under false pretenses or uses it for any purpose other than as provided for in this MOU may be subject to criminal penalties.

15. The Employer agrees to cooperate with DHS and SSA in their compliance monitoring and evaluation of E-Verify, including by permitting DHS and SSA, upon reasonable notice, to review Forms I-9 and other employment records and to interview it and its employees regarding the Employer's use of E-Verify, and to respond in a timely and accurate manner to DHS requests for information relating to their participation in E-Verify.

#### **D. RESPONSIBILITIES OF FEDERAL CONTRACTORS WITH THE FAR E-VERIFY CLAUSE**

1. The Employer understands that if it is a subject to the employment verification terms in Subpart 22.18 of the FAR, it must verify the employment eligibility of any existing employee assigned to the contract and all new hires, as discussed in the Supplemental Guide for Federal Contractors. Once an employee has been verified through E-Verify by the Employer, the Employer may not reverify the employee through E-Verify.

a. Federal contractors with the FAR E-Verify clause agree to become familiar with and comply with the most recent versions of the E-Verify User Manual for Federal Contractors and the E-Verify Supplemental Guide for Federal Contractors.

b. Federal contractors with the FAR E-Verify clause agree to complete a tutorial for Federal contractors with the FAR E-Verify clause.

c. Federal contractors with the FAR E-Verify clause not enrolled at the time of contract award: An Employer that is not enrolled in E-Verify at the time of a contract award must enroll as a Federal contractor with the FAR E-Verify clause in E-Verify within 30 calendar days of contract award and, within 90 days of enrollment, begin to use E-Verify to initiate verification of employment eligibility of new hires of the Employer who are working in the United States.



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whether or not assigned to the contract. Once the Employer begins verifying new hires, such verification of new hires must be initiated within 3 business days after the date of hire. Once enrolled in E-Verify as a Federal contractor with the FAR E-Verify clause, the Employer must initiate verification of employees assigned to the contract within 90 calendar days from the time of enrollment in the system and after the date and selecting which employees will be verified in E-Verify or within 30 days of an employee's assignment to the contract, whichever date is later.

d. Employers that are already enrolled in E-Verify at the time of a contract award but are not enrolled in the system as a Federal contractor with the FAR E-Verify clause: Employers enrolled in E-Verify for 90 days or more at the time of a contract award must use E-Verify to initiate verification of employment eligibility for new hires of the Employer who are working in the United States, whether or not assigned to the contract, within 3 business days after the date of hire. Employers enrolled in E-Verify as other than a Federal contractor with the FAR E-Verify clause, must update E-Verify to indicate that they are a Federal contractor with the FAR E-Verify clause within 30 days after assignment to the contract. If the Employer is enrolled in E-Verify for 90 calendar days or less at the time of contract award, the Employer must, within 90 days of enrollment, begin to use E-Verify to initiate verification of new hires of the contractor who are working in the United States, whether or not assigned to the contract. Such verification of new hires must be initiated within 3 business days after the date of hire. An Employer enrolled as a Federal contractor with the FAR E-Verify clause in E-Verify must initiate verification of each employee assigned to the contract within 90 calendar days after date of contract award or within 30 days after assignment to the contract, whichever is later.

e. Institutions of higher education, State, local and tribal governments and sureties: Federal contractors with the FAR E-Verify clause that are institutions of higher education (as defined at 20 U.S.C. 1001(a)), State or local governments, governments of Federally recognized Indian tribes, or sureties performing under a takeover agreement entered into with a Federal agency pursuant to a performance bond may choose to only verify new and existing employees assigned to the Federal contract. Such Federal contractors with the FAR E-Verify clause may, however, elect to verify all new hires, and/or all existing employees hired after November 6, 1986. The provisions of Article I.D, paragraphs 1.a and 1.b of this MOU providing timeframes for initiating employment verification of employees assigned to a contract apply to such institutions of higher education, State, local and tribal governments, and sureties.

f. Verification of all employees: Upon enrollment, Employers who are Federal contractors with the FAR E-Verify clause may elect to verify employment eligibility of all existing employees working in the United States who were hired after November 6, 1986, instead of verifying only new employees and those existing employees assigned to a covered Federal contract. After enrollment, Employers must elect to do so only in the manner designated by DHS and initiate E-Verify verification of all existing employees within 180 days after the election.

g. Form I-9 procedures for existing employees of Federal contractors with the FAR E-Verify clause: Federal contractors with the FAR E-Verify clause may choose to complete new Forms I-9 for all existing employees other than those that are completely exempt from this process. Federal contractors with the FAR E-Verify clause may also update previously completed Forms I-9 to initiate E-Verify verification of existing employees who are not completely exempt as long as that Form I-9 is complete (including the SSN), complies with





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Article II.C.5, the employee's work authorization has not expired, and the Employer has reviewed the information reflected in the Form I-9 either in person or in communications with the employee to ensure that the employee's stated basis in section 1 of the Form I-9 for work authorization has not changed (including, but not limited to, a lawful permanent resident alien having become a naturalized U.S. citizen). If the Employer is unable to determine that the Form I-9 complies with Article II.C.5, if the employee's basis for work authorization as attested in section 1 has expired or changed, or if the Form I-9 contains no SSN or is otherwise incomplete, the Employer shall complete a new I-9 consistent with Article II.C.5, or update the previous I-9 to provide the necessary information. If section 1 of the Form I-9 is otherwise valid and up-to-date and the form otherwise complies with Article II.C.5, but reflects documentation (such as a U.S. passport or Form I-551) that expired subsequent to completion of the Form I-9, the Employer shall not require the production of additional documentation, or use the photo screening tool described in Article II.C.5, subject to any additional or superseding instructions that may be provided on this subject in the Supplemental Guide for Federal Contractors. Nothing in this section shall be construed to require a second verification using E-Verify of any assigned employee who has previously been verified as a newly hired employee under this MOU, or to authorize verification of any existing employee by any Employer that is not a Federal contractor with the FAR E-Verify clause.

2. The Employer understands that if it is a Federal contractor with the FAR E-Verify clause, its compliance with this MOU is a performance requirement under the terms of the Federal contract or subcontract, and the Employer consents to the release of information relating to compliance with its verification responsibilities under this MOU to contracting officers or other officials authorized to review the Employer's compliance with Federal contracting requirements.

### ARTICLE III

## **REFERRAL OF INDIVIDUALS TO SSA AND DHS**

### **A. REFERRAL TO SSA**

1. If the Employer receives a tentative nonconfirmation issued by SSA, the Employer must print the notice as directed by the E-Verify system and provide it to the employee so that the employee may determine whether he or she will contest the tentative nonconfirmation. The Employer must review the tentative nonconfirmation with the employee in private.

2. The Employer will refer employees to SSA field offices only as directed by the automated system based on a tentative nonconfirmation, and only after the Employer records the case verification number, reviews the input to detect any transaction errors, and determines that the employee contests the tentative nonconfirmation. The Employer will transmit the Social Security Number to SSA for verification again if this review indicates a need to do so. The Employer will determine whether the employee contests the tentative nonconfirmation as soon as possible after the Employer receives it.

3. If the employee contests an SSA tentative nonconfirmation, the Employer will provide the employee with a system-generated referral letter and instruct the employee to visit an SSA office within 8 Federal Government work days. SSA will electronically transmit the result of the referral to the Employer within 10 Federal Government work days of the referral unless it





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determines that more than 10 days is necessary. The Employer agrees to check the E-Verify system regularly for case updates.

4. The Employer agrees not to ask the employee to obtain a printout from the Social Security Number database (the Numident) or other written verification of the Social Security Number from the SSA.

#### **B. REFERRAL TO DHS**

1. If the Employer receives a tentative nonconfirmation issued by DHS, the Employer must print the tentative nonconfirmation notice as directed by the E-Verify system and provide it to the employee so that the employee may determine whether he or she will contest the tentative nonconfirmation. The Employer must review the tentative nonconfirmation with the employee in private.

2. If the Employer finds a photo non-match for an employee who provides a document for which the automated system has transmitted a photo, the employer must print the photo non-match tentative nonconfirmation notice as directed by the automated system and provide it to the employee so that the employee may determine whether he or she will contest the finding. The Employer must review the tentative nonconfirmation with the employee in private.

3. The Employer agrees to refer individuals to DHS only when the employee chooses to contest a tentative nonconfirmation received from DHS automated verification process or when the Employer issues a tentative nonconfirmation based upon a photo non-match. The Employer will determine whether the employee contests the tentative nonconfirmation as soon as possible after the Employer receives it.

4. If the employee contests a tentative nonconfirmation issued by DHS, the Employer will provide the employee with a referral letter and instruct the employee to contact DHS through its toll-free hotline (as found on the referral letter) within 8 Federal Government work days.

5. If the employee contests a tentative nonconfirmation based upon a photo non-match, the Employer will provide the employee with a referral letter to DHS. DHS will electronically transmit the result of the referral to the Employer within 10 Federal Government work days of the referral unless it determines that more than 10 days is necessary. The Employer agrees to check the E-Verify system regularly for case updates.

6. The Employer agrees that if an employee contests a tentative nonconfirmation based upon a photo non-match, the Employer will send a copy of the employee's Form I-551 or Form I-766 to DHS for review by:

- Scanning and uploading the document, or
- Sending a photocopy of the document by an express mail account (paid for at employer expense).

7. If the Employer determines that there is a photo non-match when comparing the photocopied List B document described in Article II.C.5 with the image generated in E-Verify, the Employer must forward the employee's documentation to DHS using one of the means described in the preceding paragraph, and allow DHS to resolve the case.



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#### ARTICLE IV

##### **SERVICE PROVISIONS**

SSA and DHS will not charge the Employer for verification services performed under this MOU. The Employer is responsible for providing equipment needed to make inquiries. To access E-Verify, an Employer will need a personal computer with Internet access.

#### ARTICLE V

##### **PARTIES**

A. This MOU is effective upon the signature of all parties, and shall continue in effect for as long as the SSA and DHS conduct the E-Verify program unless modified in writing by the mutual consent of all parties, or terminated by any party upon 30 days prior written notice to the others. Any and all system enhancements to the E-Verify program by DHS or SSA, including but not limited to the E-Verify checking against additional data sources and instituting new verification procedures, will be covered under this MOU and will not cause the need for a supplemental MOU that outlines these changes. DHS agrees to train employers on all changes made to E-Verify through the use of mandatory refresher tutorials and updates to the E-Verify User Manual, the E-Verify User Manual for Federal Contractors or the E-Verify Supplemental Guide for Federal Contractors. Even without changes to E-Verify, DHS reserves the right to require employers to take mandatory refresher tutorials. An Employer that is a Federal contractor with the FAR E-Verify clause may terminate this MOU when the Federal contract that requires its participation in E-Verify is terminated or completed. In such a circumstance, the Federal contractor with the FAR E-Verify clause must provide written notice to DHS. If an Employer that is a Federal contractor with the FAR E-Verify clause fails to provide such notice, that Employer will remain a participant in the E-Verify program, will remain bound by the terms of this MOU that apply to participants that are not Federal contractors with the FAR E-Verify clause, and will be required to use the E-Verify procedures to verify the employment eligibility of all newly hired employees.

B. Notwithstanding Article V, part A of this MOU, DHS may terminate this MOU if deemed necessary because of the requirements of law or policy, or upon a determination by SSA or DHS that there has been a breach of system integrity or security by the Employer, or a failure on the part of the Employer to comply with established procedures or legal requirements. The Employer understands that if it is a Federal contractor with the FAR E-Verify clause, termination of this MOU by any party for any reason may negatively affect its performance of its contractual responsibilities.

C. Some or all SSA and DHS responsibilities under this MOU may be performed by contractor(s), and SSA and DHS may adjust verification responsibilities between each other as they may determine necessary. By separate agreement with DHS, SSA has agreed to perform its responsibilities as described in this MOU.



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D. Nothing in this MOU is intended, or should be construed, to create any right or benefit, substantive or procedural, enforceable at law by any third party against the United States, its agencies, officers, or employees, or against the Employer, its agents, officers, or employees.

E. Each party shall be solely responsible for defending any claim or action against it arising out of or related to E-Verify or this MOU, whether civil or criminal, and for any liability wherefrom, including (but not limited to) any dispute between the Employer and any other person or entity regarding the applicability of Section 403(d) of IIRIRA to any action taken or allegedly taken by the Employer.

F. The Employer understands that the fact of its participation in E-Verify is not confidential information and may be disclosed as authorized or required by law and DHS or SSA policy, including but not limited to, Congressional oversight, E-Verify publicity and media inquiries, determinations of compliance with Federal contractual requirements, and responses to inquiries under the Freedom of Information Act (FOIA).

G. The foregoing constitutes the full agreement on this subject between DHS and the Employer.

H. The individuals whose signatures appear below represent that they are authorized to enter into this MOU on behalf of the Employer and DHS respectively.



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To be accepted as a participant in E-Verify, you should only sign the Employer's Section of the signature page. If you have any questions, contact E-Verify at 888-464-4218.

Employer: Rogers Group, Inc.

**Connie Edwards**

Name (Please Type or Print)

Title

**Electronically Signed**

**10/07/2010**

Signature

Date

Department of Homeland Security – Verification Division

**USCIS Verification Division**

Name (Please Type or Print)

Title

**Electronically Signed**

**10/07/2010**

Signature

Date

### Information Required for the E-Verify Program

#### Information relating to your Company:

|                                 |                       |
|---------------------------------|-----------------------|
| Company Name:                   | Rogers Group, Inc.    |
| Company Facility Address:       | 421 Great Circle Road |
|                                 | Nashville, TN 37228   |
| Company Alternate Address:      | P. O. Box 26250       |
|                                 | Nashville, TN 37202   |
| County or Parish:               | DAVIDSON              |
| Employer Identification Number: | 351418333             |





Company ID Number: 362997

|                                                                                                                                                                                                                                                                                                                        |                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| North American Industry Classification Systems Code:                                                                                                                                                                                                                                                                   | 212            |
| Administrator:                                                                                                                                                                                                                                                                                                         |                |
| Number of Employees:                                                                                                                                                                                                                                                                                                   | 1,000 to 2,499 |
| Number of Sites Verified for:                                                                                                                                                                                                                                                                                          | 89             |
| <p>Are you verifying for more than 1 site? If yes, please provide the number of sites verified for in each State:</p> <ul style="list-style-type: none"> <li>• ALABAMA 5 site(s)</li> <li>• KENTUCKY 13 site(s)</li> <li>• TENNESSEE 49 site(s)</li> <li>• ARKANSAS 9 site(s)</li> <li>• INDIANA 13 site(s)</li> </ul> |                |

Information relating to the Program Administrator(s) for your Company on policy questions or operational problems:

|                   |                                   |             |                  |
|-------------------|-----------------------------------|-------------|------------------|
| Name:             | Zena H Swendiman                  | Fax Number: | (615) 780 - 5813 |
| Telephone Number: | (615) 780 - 5651                  |             |                  |
| E-mail Address:   | zena.swendiman@rogersgroupinc.com |             |                  |
| Name:             | Connie S Edwards                  | Fax Number: | (615) 564 - 5710 |
| Telephone Number: | (615) 780 - 5710                  |             |                  |
| E-mail Address:   | connie.edwards@rogersgroupinc.com |             |                  |





## Employment Eligibility Verification

Welcome  
Corinna Edwards

User ID  
CEDW3206

Last Login  
05:01 PM - 01/30/2012 Log Out



Click any for help

Home

My Cases

New Case

View Cases

Search Cases

My Profile

Edit Profile

Change Password

Change Security Questions

My Company

Edit Company Profile

Add New User

View Existing Users

Close Company Account

My Reports

View Reports

My Resources

View Essential Resources

Take Tutorial

View User Manual

Contact Us

**i** You are verifying for multiple sites at your location. List the number of hiring sites by state for which your company will be performing verifications.

## Hiring Sites

| Previous             | Next                   |  | State          | Number of Hiring Sites |
|----------------------|------------------------|--|----------------|------------------------|
| <a href="#">Add</a>  |                        |  |                |                        |
| <a href="#">Edit</a> | <a href="#">Delete</a> |  | ALABAMA        | 5                      |
| <a href="#">Edit</a> | <a href="#">Delete</a> |  | ARKANSAS       | 9                      |
| <a href="#">Edit</a> | <a href="#">Delete</a> |  | INDIANA        | 13                     |
| <a href="#">Edit</a> | <a href="#">Delete</a> |  | KENTUCKY       | 13                     |
| <a href="#">Edit</a> | <a href="#">Delete</a> |  | MISSISSIPPI    | 1                      |
| <a href="#">Edit</a> | <a href="#">Delete</a> |  | NORTH CAROLINA | 1                      |
| <a href="#">Edit</a> | <a href="#">Delete</a> |  | TENNESSEE      | 49                     |


Previous Next

Next

Cancel

ATTACHMENT "I"

***"In accordance with the Alabama Act 2016-312 as adopted, and approved on May 5, 2016, on behalf of Rogers Group, Inc. , I do hereby certify and represent that this business is not currently engaged in, and will not engage in, the boycott of a person or an entity based in or doing business with the jurisdiction with which this state can enjoy open trade.***

  
\_\_\_\_\_  
Anthony M. Garcia

**Title: Vice President**

**(Signature of authorized individual)"**

**ATTACHMENT "J"**

**CERTIFICATE OF COMPLIANCE WITH ACT 2016-312**

I, the undersigned, certify to the State of Alabama as follows:

- a. I am authorized to provide representations set out in this Certificate as the official and binding act of the Contractor, and have knowledge of Alabama's Act 2016-312.
- b. In compliance with Act 2016-312, the Contractor is not currently engaged in, and will not engage in, the boycott of a person or an entity based in or doing business with a jurisdiction with which this state can enjoy open trade.

Signature: \_\_\_\_\_

Name of Certifying Official (print): Anthony M. Garcia

Title: Vice President

Date of Certification (mm/dd/yyyy): 01/06/2022

## **ATTACHMENT "K"**

### **TRACER WIRE SPECIFICATION**

**Open-Trench Installation: direct burial #12 AWG Solid (0.0808" diameter), steel core soft drawn tracer wire, 250# average tensile break load, 30 mil high molecular-high density polyethylene jacket complying with ASTM-D-1248, 30 volt rating.**

**Directional Bore or Jacked Installation: direct burial #12 AWG Solid (0.0808" diameter), steel core hard drawn extra high strength horizontal directional drill tracer wire, 1150# average tensile break load, 45 mil high molecular-high density polyethylene jacket complying with ASTM-D-1248, 30 volt rating.**

## **ATTACHMENT "L"**

### **Speed Cushion Installation**

- Speed cushions will be purchased by the COH Engineering Department
- Brand of speed cushion: Traffic Logix or equal (to be determined by the COH)
- Speed cushions will be stored at a COH facility (Public Works Services located on Schrimsher Lane).
- Contractor must load, pick up and install speed cushion devices as instructed by the COH



**Attachment "M"**

**Speed Cushion Detail**

**<http://www.trafficlogix.com/speed-cushions.asp>**

**Municipal Solutions«Speed Cushions**

Main

Features

Dimensions

Technical Specs

Installation Guide

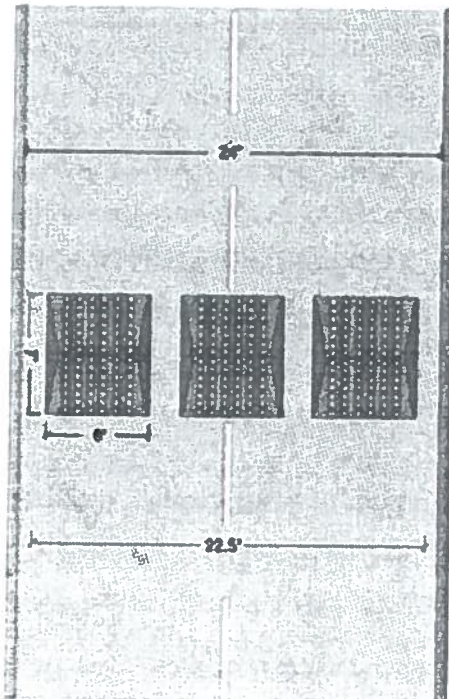
Photos

**Dimensions**

**6'x7' Speed Cushion**

**Dimensions: 3" x 6' x 7'**

This dimension is for one speed cushion, however cushions are generally installed across the road in a series as illustrated below of either two or three speed cushions depending on street width.



While standard product sizes are shown, the Interlocking devices are fully customizable to any length or road width.

Traffic Logix solutions have been installed in hundreds of locations across North America.

**General description:** Speed Cushions of various dimensions are constructed using Interlocking modules (US patent pending 12633-23USPR). The standard foot print dimensions of each module are 18" by 42". The weight of the various modules is between 50 and 80 lbs. Each unit is bolted to a paved road surface using six lag bolts 3/8" dia. through a plastic shield installed in the paved road. The Traffic Logix proprietary two directional tongue and groove Interlocking system provides additional connection between the modules and increases stability of the speed cushion.

**Dimensions of the modules:**

- Width 18" (+/- 1/16")
- Length 42" (+/- 1/8")
- Thickness 3" (+/- 1/8")

**Dimensions of the Speed Cushions:**  
(width and length of speed cushion are adjustable)

- Width from 36" up, by 18" increments
- Length from 84" up, by 42" increments
- Height of the cushion 3"

**Standard dimensions of the Speed Cushions:**

- Width 72" (6 feet)
- Length 84" (7 feet)
- Height of the cushion 3"

**Entrance and exit gradient:**

1:15

**Side gradient:**

1:3

**Material:** Compression molded 100% recycled natural rubber and polyurethane composite

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**Physical properties:**

- Tensile strength: minimum 500 psi
- Shore hardness: minimum 70A
- Specific gravity 1.1

---

**Marking:** Rubber modules are available in black or black with yellow reflective tape or black with white reflective tape, or white arrow

---

**Installation method:**

- Each module is affixed to the pavement with six galvanized zinc plated steel lag bolts 3/8" x 4", plastic polypropylene shields and 3/8" zinc plated steel washers supplied with the modules
- 9/16" Diameter holes are drilled through the holes in the modules into a paved road.
- The plastic shields are installed in the mounting holes with the provided shield installation tool
- The lag bolts are inserted into mounting holes and tightened (do not over tighten the bolts)

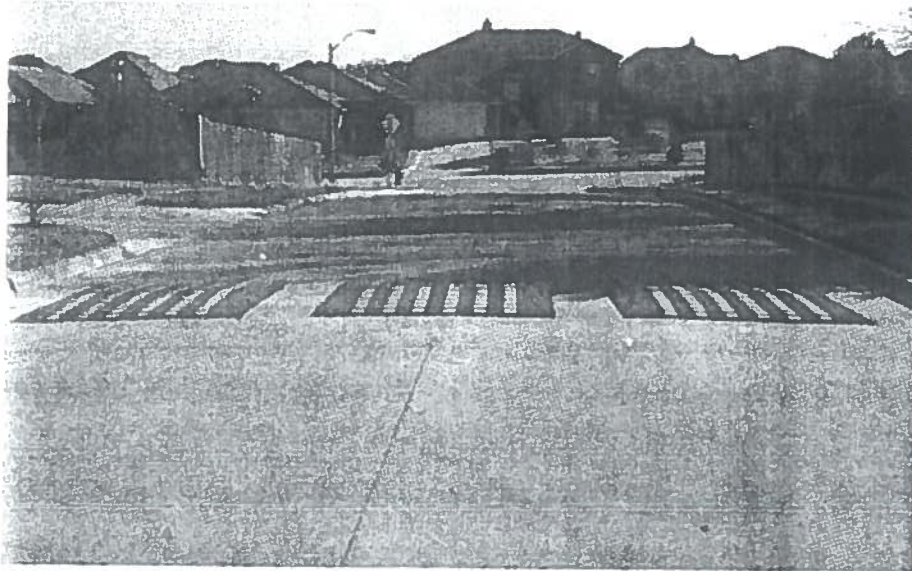
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**Installation tools:**

- Chalk line, measuring tape, heavy duty hammer drill, 9/16" dia. by 10" long carbide tip drill bits, installation tool for plastic shields, 11/16" drive socket with a power tool, portable blower, utility knife, crow bars
- The plastic shield installation tool is supplied for the initial installation job only
- Additional bolts, shields, washers, and installation tools can be purchased from Traffic Logix

---

**Warranty:** A two (2) year warranty is provided on all Speed Cushion components installed as per the manufacturer's Installation Instructions.



## **Installation Guide**

### ***Install Guide***

As detailed in the limited warranty provided in connection with your purchase of this product, 'Traffic Logix' limited warranty only applies to traffic calming products that are correctly installed and maintained. For additional details on safe usage of traffic calming products, please refer to the conditional terms of use.

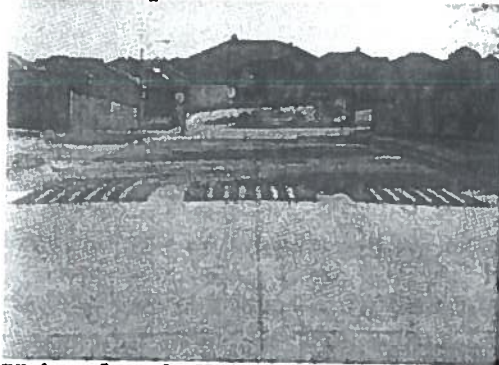
#### **Installation Tools**

- Chalk
- Measuring tape
- Impact or hammer drills, we recommend that you have two heavy duty hammer drills (Preferrably spline drills)
- High speed drills, we recommend that you have two electric drills
- Drill bits carbide tip, At least two 9/16" dia., 10-12" long
- 3lb Hammer
- 10lb Sledge hammer (for final adjustment)
- 11/16" drive socket with a 12" extension
- Street broom
- Utility knife or a hack saw (used for trimming the rubber as needed)
- Crow bars, gooseneck wrecking bars
- Portable air compressor able to maintain 120psi (used to blow out the debris after the holes are drilled)
- Generator and extension cords to run all four drills
- One 24" 2"x4" piece of wood. This is used to knock the panels in

- place.
- **Appropriate signage in accordance to ITE's State of the Practice on Traffic Calming as well as ITE's Manual on Uniformed Traffic Control Devices (MUTCD)**

### **Installation Process**

1. **Clean the surrounding installation area by using the street broom.**
2. **Measure the width of the road and determine the appropriate spacing for the speed cushions. The spacing shouldn't be more than four feet apart.**



3. **Using the Chalk line mark a line parallel to the curb where the first speed cushion is going to be installed and then mark a line that is perpendicular to the curb. Use these lines to square up your traffic calming device.**



4. **Identify and separate the pieces that run parallel to the curb for both sides of the device.**
5. **Assemble and position the first speed cushion.. Make sure that all of the tongues are facing out towards the center of the device. Use the tongue and groove system to ensure the units interlocked properly as shown below.**





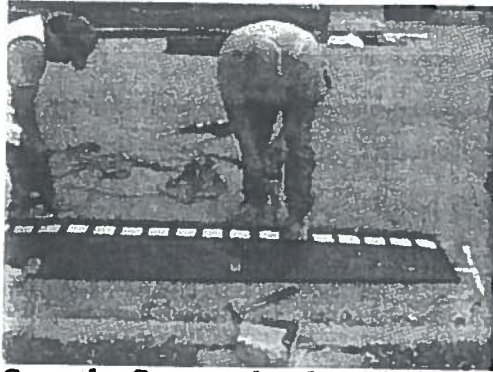
6. Drill 9/16" diameter holes into the asphalt, through the existing holes of the first row using the hammer drill. The holes should be 3 1/2" to 4" deep in order to accommodate the plastic shields which are 3" long.



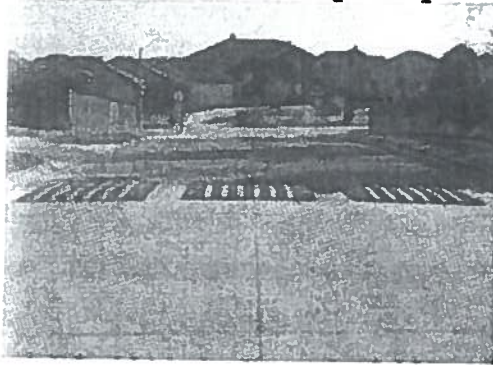
7. Use an air compressor remove all of the debris from the holes are clear of dust and debris.
8. Insert plastic anchors into the holes and install them securely into the asphalt surface.



9. Using the high speed drill insert the bolts and washer into the plastic anchor. Ensure that the bolts are snug but do not over tighten.



10. Once the first row has been bolted to the ground you can begin assembling the next row of panels and using a 10 lb sledge hammer knock the row snug to the first row. Continue assembling all of the pieces to make one complete speed cushion.

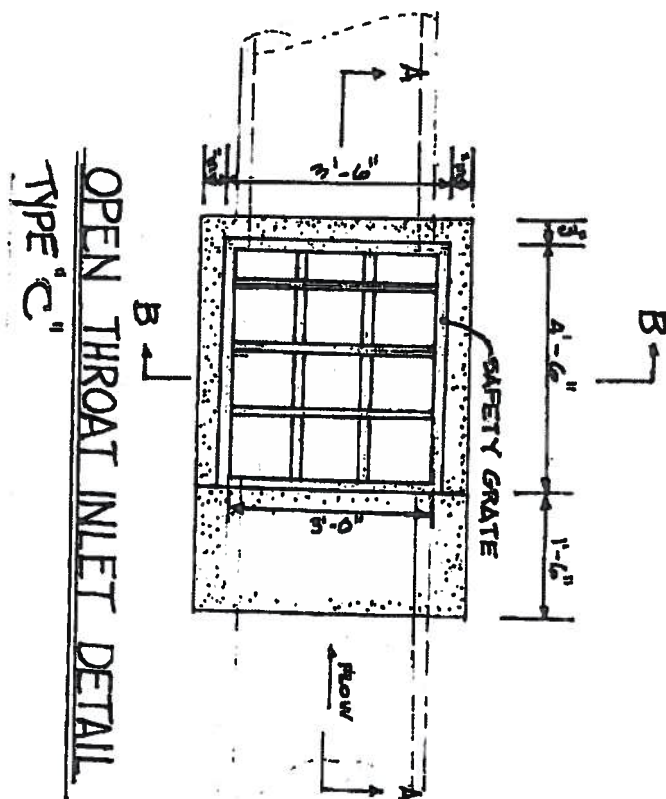


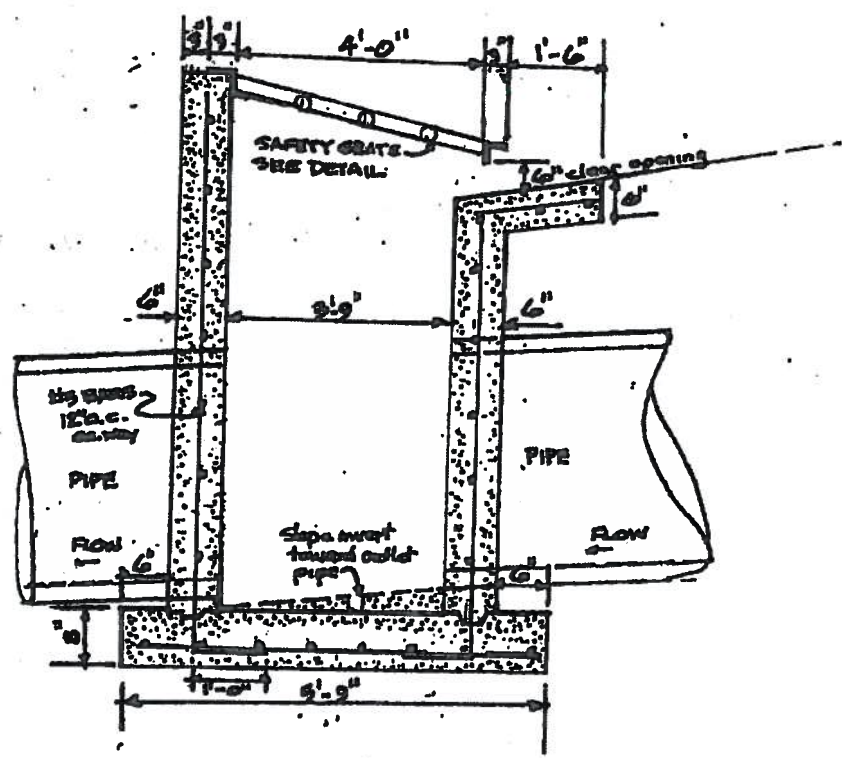
#### **Precautions:**

- Please note that Traffic Logix recommends installing speed cushions on roads where the maximum grade is 8% or less.
- Steel toe boots and safety gloves should be used during installation.
- Make sure that the units are tight and well aligned before moving from one step to another.
- Make sure the holes are clear of dust and debris before installing the anchors
- Remember that all of the bolts need to be installed for the warranty to be in affect.
- Rubber traffic calming solutions must be removed in the fall prior to the arrival of snow and installed in the spring after the last snow storm.
- When removing rubber solutions, existing holes should be filled with e-poxy. Please contact us for any questions or concerns about removal and reinstallation.
- Quarterly inspections should be made of each traffic calming device.

**In accordance with ITE standards appropriate traffic signs should be installed with each traffic calming device.**

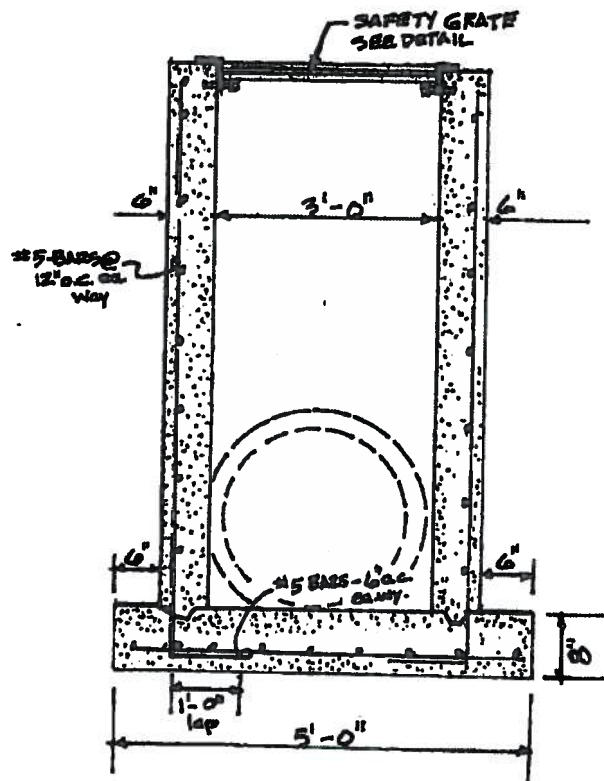
**ATTACHMENT "N"**  
(Pages 1 of 4)



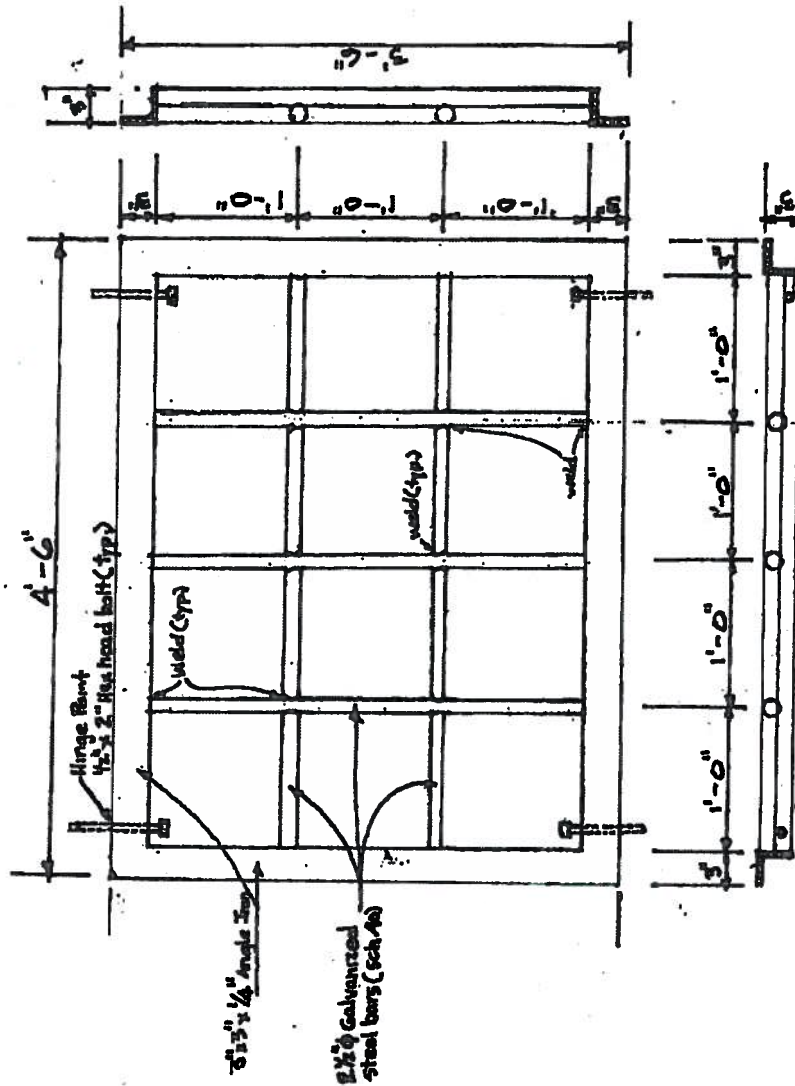


SECTION A-A





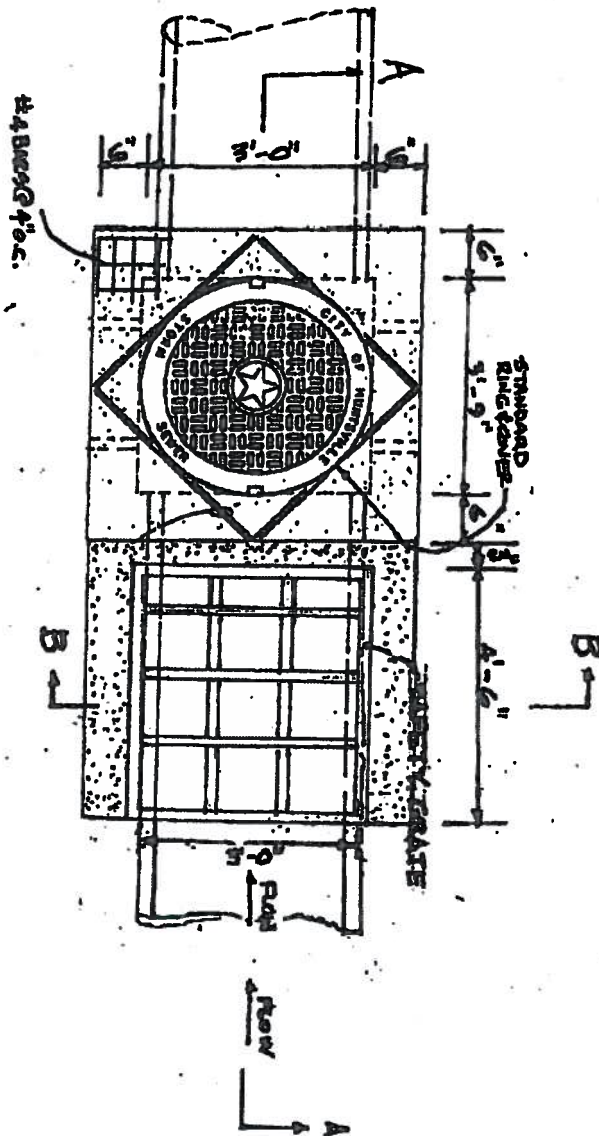
SECTION B-B

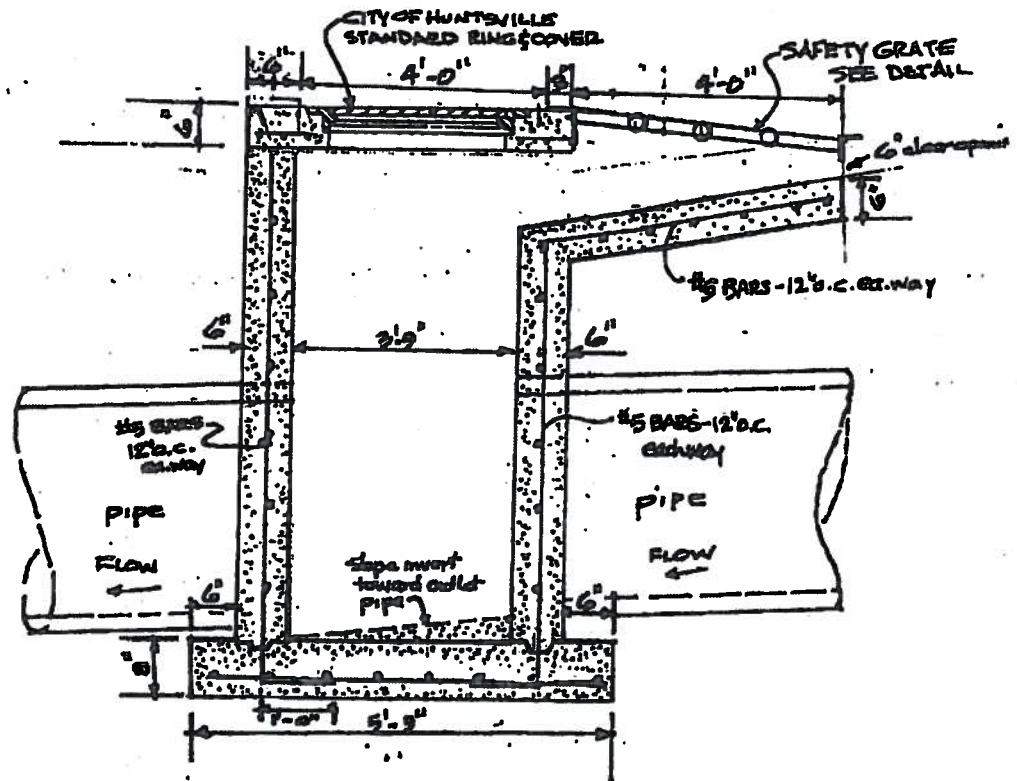


## SAFETY GRATE DETAIL

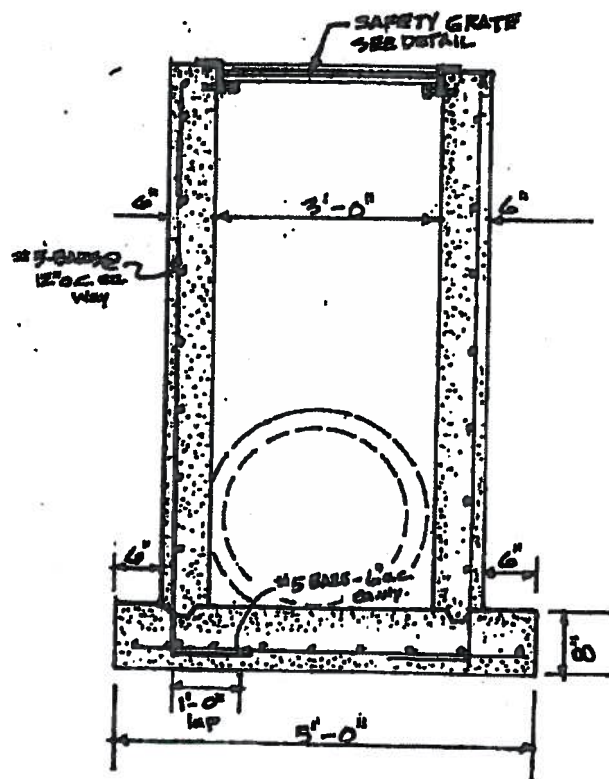
**ATTACHMENT "O"**  
(Pages 1 of 4)

**OPEN THROAT INLET DETAIL**  
**TYPE "M"**



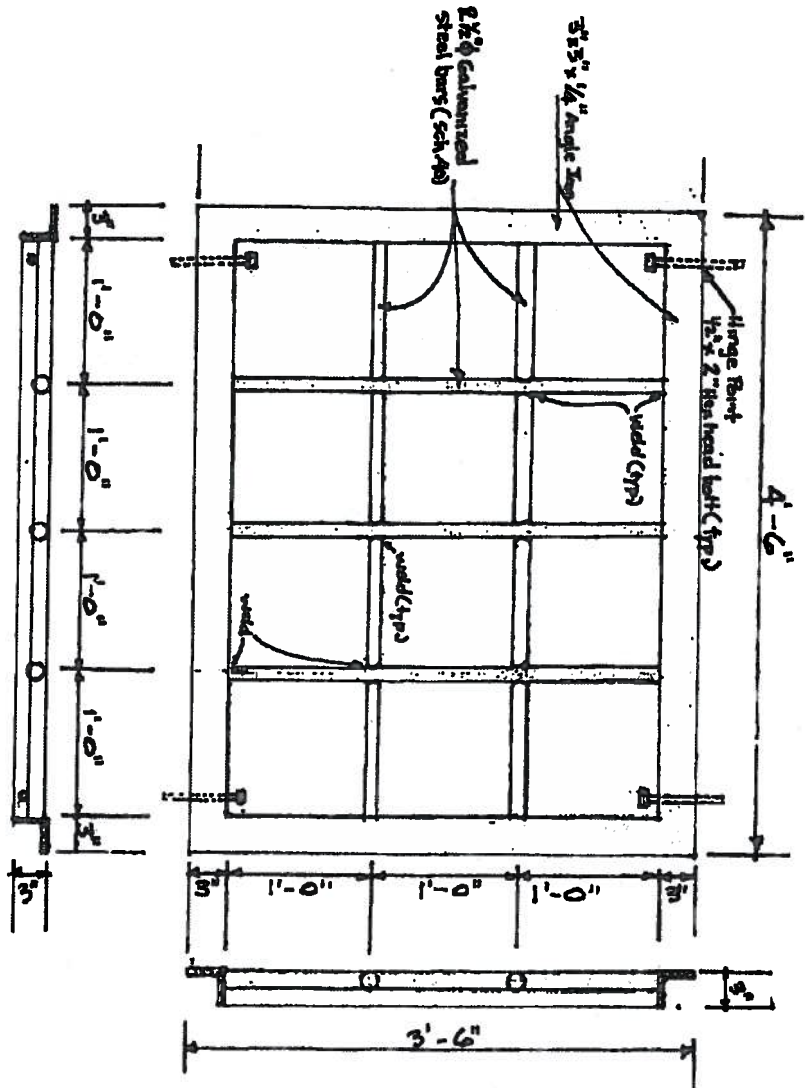


SECTION A-A



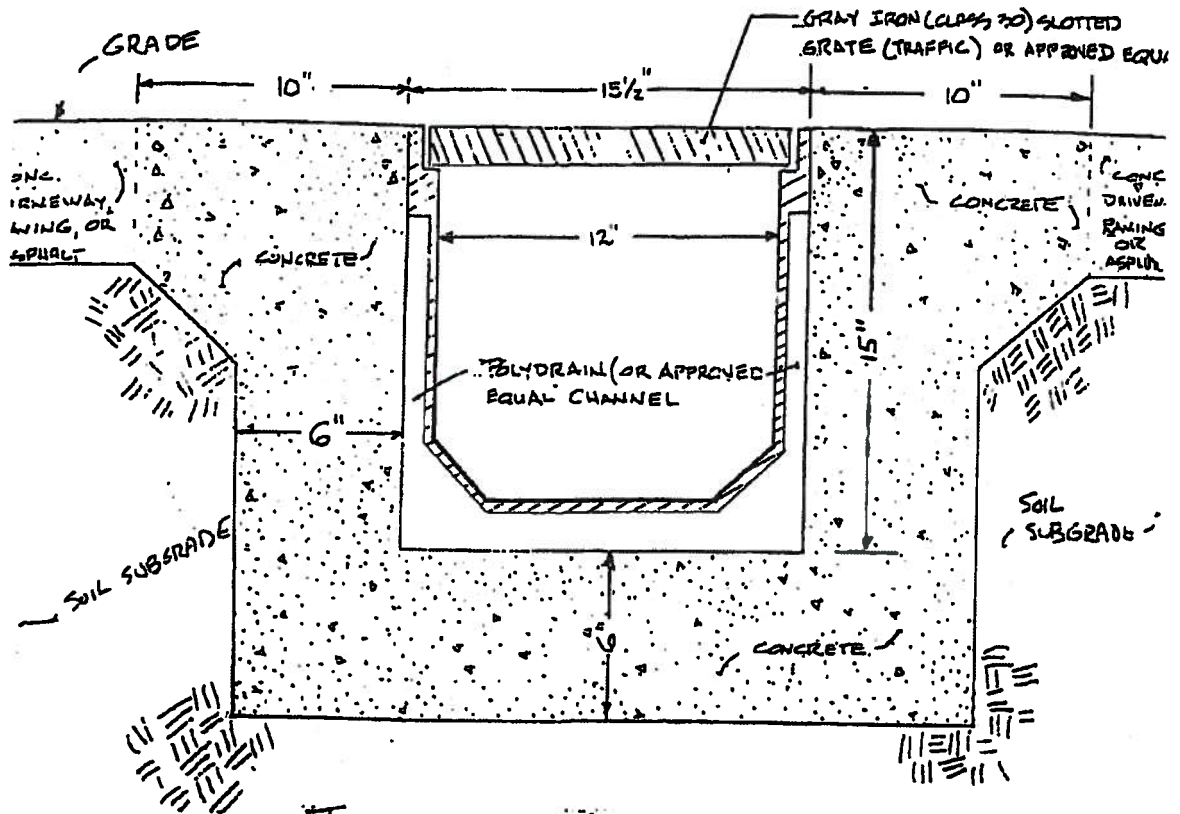
**SECTION B-B**





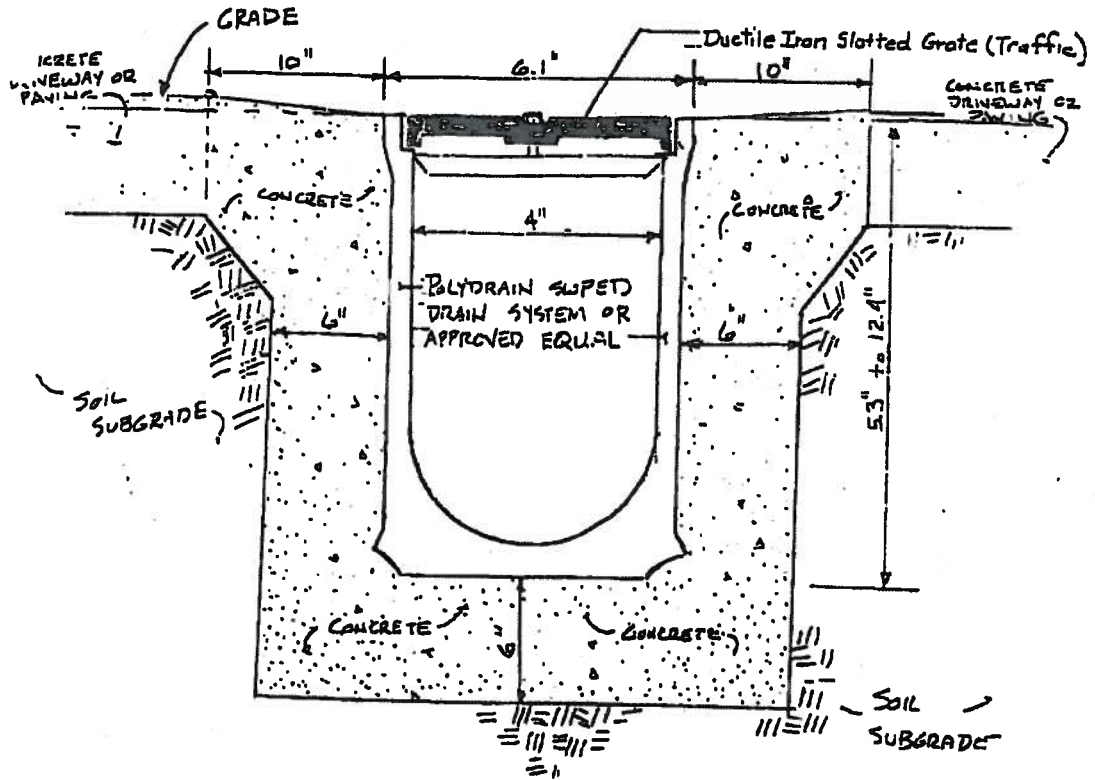
# SAFETY GRATE DETAIL

ATTACHMENT "P"



TRENCH GRATE  
FLAT CHANNEL

# ATTACHMENT "Q"



TRENCH GRATE, SLOPED CHANNEL

**ATTACHMENT "R"**

**Handicap Ramps Detail**

**(Refer to ALDOT Details Special Drawing No. SW-618 (Sheets 1-4) Index 734-737)**

**ATTACHMENT "S"**

**Handicap Ramp Armor-Tile or Equal**  
**(Page 1 of 2)**

**ARMOR-TILE OR EQUAL (MATS)**

**ACME BRICK COMPANY**  
**CONCRETE PAVER ITEM NO. 824645 (RED)**  
**OR EQUAL**



**ATTACHMENT "T"****SUPPLEMENT TO GENERAL REQUIREMENTS, PART 2**  
**REVISED 5/13/11****GENERAL NOTES:**

The City of Huntsville currently has several projects that are ready to be contracted as soon as the periodic bid for various construction projects is awarded and the contract has been finalized. The City anticipates that the successful Contractor will be asked to prepare cost estimates on several projects ranging from \$10,000.00 to \$150,000.00+or-. Due to the amount of work that the City anticipates assigning to the successful Contractor immediately upon award, and the number of projects that will be ready to bid in the near future, the Contractor must provide with their bid documents, a business plan reflecting financial resources, manpower, equipment, and experience for similar projects. This information will be used as part of the evaluation process in determining the lowest overall responsible and responsive bidder. If this business plan is not included with the bid documents, it shall be cause for rejection of bid.

The purpose of these conditions is to insure that the successful bidder has sufficient manpower and equipment to perform the required work in a timely manner and that every project continuously progresses toward completion without being delayed due to the lack of manpower and/or equipment.

1. The purpose of this periodic bid for various construction projects is to provide for the expedient construction of roadway, drainage, and other projects as designated by the City of Huntsville, utilizing unit prices for the commonly performed contractor work items. Construction of these projects is intended to be performed within the shortest possible time frame with the work beginning and ending on dates selected by the City of Huntsville and issued with each work authorization. Failure to comply with the times specified in the Notice to Proceed (NTP) may, in the sole determination of the City of Huntsville, result in the contractor being prohibited from bidding on additional work for the City of Huntsville, until such time as contractor is back on schedule or as the City deems accordingly.
2. All engineering will be conducted by the City of Huntsville.
3. The City of Huntsville will provide the Contractor with a detailed plan showing the required work, and a list of the materials and quantities estimated for the project.
4. A representative from the City of Huntsville will visit each job site with a representative of the successful bidder in order to determine the work details of each project. After the site visit, the Contractor will prepare an estimated total project cost based on his determination of construction quantities necessary to perform the required work. The City of Huntsville will provide a start and end date on each project. The City will review the Contractor's total project cost and if acceptable, will issue a Notice to Proceed.
5. All materials will be furnished and installed by the successful bidder, with exceptions as stated in the estimated quantities (Attachment "A").
6. The Urban Development Department (Engineering and Traffic Divisions) shall be notified prior to the beginning of work at any job site. If lane closures are required, notification shall be made at least 72 hours in advance of closure. The Contractor shall notify the property owners before entering private property to perform any work.
7. Where existing pavement is to be overlaid, the existing pavements shall be thoroughly cleaned and

- a bituminous tack coat applied to the existing paving in accordance with Section 405 of the COH Standard Specifications for Construction of Public Improvements, latest edition. Gutters and concrete surfaces along the roadway shall be protected from the tack coat. This cost is subsidiary to other items.
8. All work includes appropriate traffic control devices and necessary personnel to protect the work zone and motorists in conformance with the latest edition of the Alabama Manual on Uniform Traffic Control Devices.
  9. Unless prior permission is given by the City of Huntsville, no resurfacing may be started during hours of darkness or continued longer than 30 minutes after the onset of darkness.
  10. All paving materials of any or all types used to complete these projects shall be applied and/or placed in strict accordance with the COH Standard Specifications for the Construction of Public Improvements. Temperature of materials and weather condition requirements will be Sub-Article 410.03(b) of the aforementioned Standard Specifications.
  11. Work which will necessitate the closure of one or more existing travel lanes of a roadway cannot be performed during the hours of 6:30 a.m. to 8:00 a.m. and 3:30 p.m. to 5:30 p.m. without permission of the City of Huntsville Engineering Division. The purpose of this restriction is to prevent severe congestion on these roadways experiencing rush hour capacity problems. If a project is not on a problem roadway, permission will generally be granted.
  12. All prices must be firm for a period of one (1) year from the date of contract award with extensions as allowable by State Bid Law.
  13. Basis of payment will be the original contract unit prices multiplied by the actual quantities measured (to be determined by the City of Huntsville). All work shall be started within three (3) days of the work start date on the Notice to Proceed, unless further delay is authorized on such order, and all such work shall be completed within the time frame specified by the Project Engineer. Beginning and end dates will be stated and issued with the Notice to Proceed (NTP) authorization letter prior to the commencement of work. Failure to comply with the times specified in the NTP may, in the sole determination of the City of Huntsville, result in the contractor being prohibited from bidding on additional work for the City of Huntsville, and be assessed damages (refer to Item #17 in the Supplement to General Conditions, attached hereto).
  14. The contractor understands that the contract time for each work authorization will be determined by the City of Huntsville Project Engineer on a project by project basis.
  15. Contractor shall maintain and repair site conditions to original state, unless otherwise directed by the City of Huntsville.
  16. Concrete forms will be utilized on concrete cast against asphalt, unless authorization is given by the City of Huntsville. Expansion joints shall be no greater than 50 feet apart and curbs shall be saw cut every 10 feet. Also, expansion joints are required against existing concrete.
  17. All concrete poured in place shall be minimum 3000 p.s.i.
  18. Base failure repair (in excess of 6" in depth) will require removal and disposal of asphalt, concrete, aggregates, or undesirable solid. Placement of dense graded base will be in accordance with Section 301 of the Standard Specifications for State of Alabama, Current Edition. All materials shall be in accordance with Section 825, Type B, 100% compaction. Contractor is responsible for maintenance and cleaning of area during and after curing of dense graded base.
  19. All asphalt mixes shall be in accordance with current Standard Specifications for State of Alabama, Latest Edition.
  20. French drains will be constructed and installed per City of Huntsville Standard Specifications.
  21. Manhole adjustments, whether sanitary or storm sewer, are to be made with concrete adjustment rings to new asphalt level before resurfacing. New binder to be used as backfill around ring to within 1.25 inches of top of ring.
  22. Vehicular detector loop replacement, THHN #12 awg wire installed in slots cut in the pavement and sealed with sealant manufactured specifically for embedding loop detector wire in concrete or

- bituminous pavements. Included in the unit price shall be installation of a 15 L.F. Loop Lead Wire for each loop installation.
23. All traffic markings work shall be in accordance with the State of Alabama Highway Department Standard Specifications for Highway Construction, Division II, Part 6 Sections 701, 703, 705.
  24. Unless otherwise specified, traffic markings shall be replaced exactly as traffic markings existing prior to resurfacing work.
  25. All resurfaced areas shall be reflectively marked for traffic usage by nightfall each day, 7 days a week, in accordance with State of Alabama regulations. Note price for color white or yellow, if priced separately in any category when a difference in price exists.
  26. The contractor shall be responsible for all traffic control. A separate pricing section listing required items for Traffic Control is included in the bid documents. All traffic control devices and procedures must be in accordance with current edition of the Manual on Uniform Traffic Control Devices for work zone areas for each work item. The contractor shall be responsible for following this standard for all work activities within this bid. Questions should be directed to the COH Project Engineer.
  27. The contractor shall provide his own supervision and management for all work to be performed. Further, the contractor shall provide to the City of Huntsville the names of those person(s) he has selected to provide liaison with the City for individual or groups of projects. The contractor will provide the name or names at the time work authorizations are issued.
  28. All construction techniques and procedures and all materials provided shall be in accordance with City of Huntsville Standard Specifications for Construction of Public Improvements and State of Alabama Standard Specifications. All sanitary sewer, force main and pump station work will be performed in accordance with the City of Huntsville Design and Acceptance Manual for Sanitary Sewers, 2011, and City of Huntsville Design and Acceptance Manual for Force Mains and Pump Stations, 2011, as prepared by the Office of the City Engineer of the City of Huntsville. These sewer manuals will supersede any sewer standards in the 1991 manuals and ALDOT Standard Specifications.
  29. In the event a project requires a work item(s) not specified herein, the successful contractor shall submit to the City of Huntsville a description of the additional work items required and the proposed additional charges for such work, which shall be reviewed by the City of Huntsville for content and costs approval. At such time that unspecified work items are discovered at the site, all work shall cease on that particular project until final approval is obtained from the City of Huntsville.
  30. There is no guaranteed minimum amount of work nor a minimum or maximum project size. All work is to be determined by the COH.
  31. Each project will include a price for the item of "contract mobilization" item. The payment of Contract Mobilization will cover any preparatory work and operations which must be performed or for costs incurred prior to the beginning of work. Payment will be made on 3% of the Total Project Cost, including Project Mobilization.
  32. Work covered under "Project Mobilization" includes costs for preparatory work and operations, including those necessary for the movement of personnel, equipment, supplies and incidentals to the project site, and the removal of those personnel, equipment, supplies, and incidentals from the project site. Payment will be made for each individual project based on the total Project Cost.
  33. Definition of a Project: A "project" for this periodic bid is all work issued on a single work order and on a single purchase order and may include only one location or several locations with all locations stated on the work order/purchase order considered as a single project and all having the same start and end date.
  34. **Determination of the LOWEST RESPONSIBLE BIDDER:**  
For the purpose of determining the lowest responsible bidder, the OWNER shall consider the Total Base Bid amount, as set forth in the Request for Bids. There is no guaranteed minimum or maximum amount of work or project size. The Total Base Bid amount will be used for evaluation purposes and does not guarantee the Total Base Bid amount to be expended over the life of the

contract. Projects will vary in size and dollar amounts, as determined by the City. This method for determining the low bidder is for the purpose of allowing the City to procure the most advantageous bid for the OWNER. The City reserves the right to reject any and all bids, and to rebid, if necessary.

35. All items of work specified in Attachment "A" must be bid. Any items that appear unbalanced may be cause for rejection of bid.
36. Any "unit price" which does not appear to be a reasonable price for the item of work, may be considered "unbalanced".
37. Wheel Chair Ramps Armor-Tile (or equal), or brick per detail -- Sidewalk Construction will be constructed per specification with Detachable Warning Domes at Pedestrian Crosswalks and Details of Sidewalks, known as Attachment "S" attached.
38. This Periodic Bid for Various Construction Projects-2021 more particularly known as Project No. 71-22-SP06 requires the contractor to possess a State of Alabama Classification of (HS) Highways and Streets or (MU) Municipal and Utility.

**The Contractor must sign and submit Attachment "T" agreeing to the terms and conditions as stated above with their bid documents or could be cause for rejection of bid.**

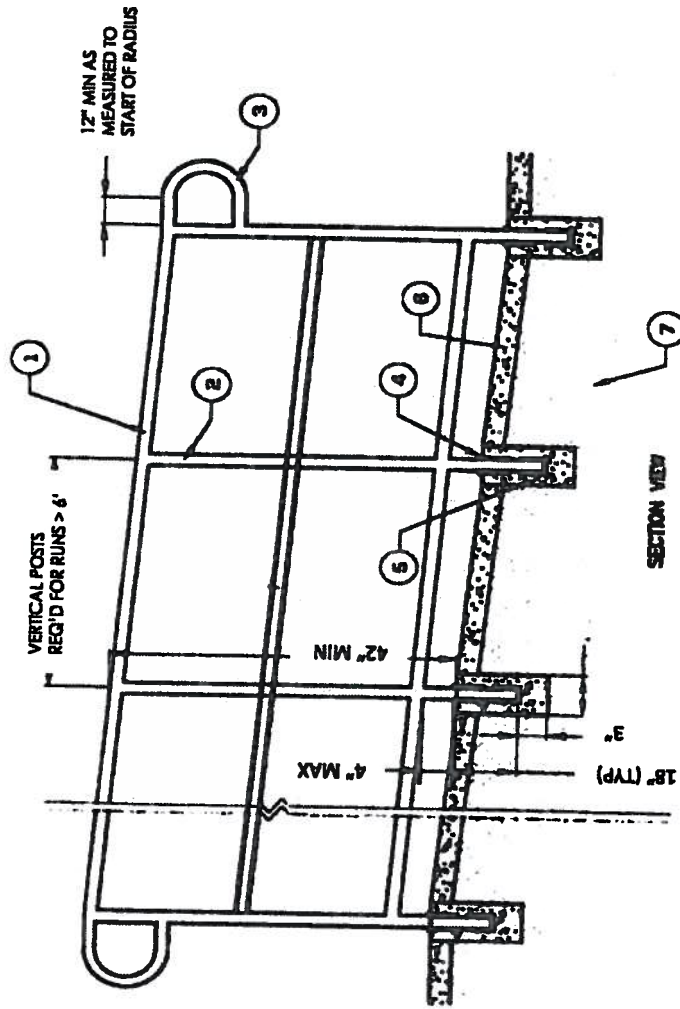


**(NAME OF CONTRACTOR & COMPANY)**

Anthony M. Garcia, Vice President  
Rogers Group, Inc.

January 6, 2022

**(DATE)**



- 1 1" DIA. STEEL PIPE HANDRAIL  
PROVIDED AT BAY.
- 2 1" DIA. STEEL PIPE SUPPORT (W/UNDER COAT  
EPOXY) FOR HANDRAIL RUNS GREATER THAN 6'  
THIS PROVIDES 1" VERTICAL PIPE POST AS  
SHOWN IN DETAIL.
- 3 EPOXY JOINTS ARE REQUIRED AT THE TOP AND  
BOTTOM OF THE RUN.
- 4 1/2" DIA. POST BASE WITH FLANGE DETAIL (TYP.)  
ATTACH PER MANUFACTURER SPECIFICATIONS.
- 5 1/2" DIA. CONCRETE POST  
ANCHORING.
- 6 1/2" DIA. STEEL PIPE PER ADJUT ITEM  
ANCHORING.
- 7 1/2" DIA.
- 8 12" MIN.
- 9 12" MIN.
- 10 12" MIN.

## HANDRAIL DETAIL

NOT TO SCALE

REQUIRED FOR DROP OFF GREATER THAN 30" OR AT RAMPS GREATER THAN 6"



## **PRE-FABRICATED BRIDGE SPECIFICATIONS**

### **1.0 GENERAL**

- 1.1 These specifications are for a fully engineered clear span bridge of welded steel construction and shall be regarded as minimum standards for design and construction as manufactured by Pioneer Bridges.

**Pioneer Bridges**  
 119 40<sup>th</sup> Street NE  
 Fort Payne, AL 35967  
 Contact: Scott Dempsey  
 866-708-5778  
 256-845-7775 (fax)  
 sdempsey@pioneerbridges.com

- 1.3 The specific type of bridge required will be a Trailblazer style bridge as manufactured by Pioneer Bridges.

### **2.0 DIMENSIONS**

- 2.1 Width: Inside clear width of bridge shall be 10'-0".
- 2.2 Span: Center to center of bearing of bridge shall be 50'-0".
- 2.3 Bridge shall be cambered 2% of the total span length.

### **3.0 DESIGN**

- 3.1 Open truss bridges shall be designed by a professional engineer experienced in pony truss bridge design and top chord stability criteria elastic utilizing lateral restraints.
- In addition to normal dead loads, the bridge shall be designed for the following:
- 3.2 Uniform Live Load: Pedestrian bridges shall be designed for an evenly distributed live load of 90 pounds per square foot in accordance with the AASHTO LRFD Guide Specification for the Design of Pedestrian Bridges, 2<sup>nd</sup> edition. No reduction shall be allowed.
- 3.3 Vehicle Load: The pedestrian bridge(s) shall be designed for the maintenance vehicular loadings of an H-5 truck from 7 – 10 feet wide.
- 3.4 Wind Load: The pedestrian bridge(s) shall be designed for a wind load using the AASHTO Signs, Articles 3.8 and 3.9 unless specifically directed wind loadings are provided by the customer.
- 3.5 Design Criteria: The design of the bridge shall be in accordance with the AASHTO (American Association of State Highway and Transportation Officials) "LRFD Guide Specifications for Design of Pedestrian Bridges," 2<sup>nd</sup> edition. Tubular members and their connections shall be designed per the CISC "Hollow Structural Sections Connections Manual" latest edition or the AISC Manual 14th Edition.
- 3.6 Seismic: All bridges shall be designed for seismic loads of the intensity required by local codes.
- 3.7 Temperature: Bridge shall be designed to accommodate a temperature differential of 120 degrees Fahrenheit. Slip pads of UHMW polyethylene shall be placed between the smooth surface of this setting plate and the smooth bearing plate of the bridge. At least 1" clearance shall be provided between the bridge and concrete abutments.
- 3.8 Deflection: The vertical deflection of the bridge due to pedestrian live load shall not exceed 1/360 of the span length. The maximum deflection due to vehicular loads shall not exceed 1/800 of the span length. The horizontal deflection due to lateral wind load shall not exceed 1/500 of the span length.
- 3.9 Complete design calculations and drawings signed and sealed by a professional engineer licensed in the state of the project shall be submitted to the owner for approval prior to fabrication.

### **4.0 MATERIALS**

- 4.1 All structural members shall have a minimum thickness of material of at least 1/4" in accordance with the Guide Spec.
- 4.2 Type of steel  
(select one of the following options):
  - ☐ Unpainted Weathering Steel bridges shall be fabricated from ASTM A242 or ASTM A588 steel for plates and structural shapes and ASTM A606 or ASTM A847 for tubular sections. Minimum yield (F<sub>y</sub>) shall be greater than 50,000 psi.
  - or
  - ☐ Painted Steel bridges shall be fabricated from ASTM A36 or A572 and tubular sections from ASTM A500.
- 4.3 Bridge shall have Concrete Floors and shall be completely formed by the bridge manufacturer with a minimum of 22 gauge galvanized composite floor deck. The floor deck shall be manufactured by a member of the Steel Deck Institute or have their deck properties certified by the Steel Deck Institute. The composite slab shall carry a 200 pounds per square foot superimposed live load. The pouring and finishing of 4000 psi lightweight concrete (no additives allowed) and the furnishing of the reinforcement shall be the responsibility of the contractor or owner. After the concrete has cured, an appropriate sealant should be applied by the contractor or owner.
- 4.4 Field splices shall be bolted with High Strength ASTM A325 bolts; type 3 bolts shall be used for weathering steel bridges.
- 4.5 Welding materials shall be in strict accordance with the American Welding Society (AWS). Structural welding code, D1.1 Filler metal as specified in 4.1 shall be used for the particular welding process required. Welders will be certified in accordance with AWS D1.1.

## 5.0 FABRICATION AND QUALITY CONTROL

- 5.1 Bridge fabricator shall be certified by the American Institute of Steel Construction to have the personnel, organization, experience, capability, and commitment to produce fabricated structural steel for Major Steel Bridge Structures with Fracture Critical and Sophisticated Paint Endorsements as set forth in the AISC Certification Program.
- 5.2 Workmanship, fabrication, and shop connections shall be in accordance with American Association of State Highway and Transportation Officials Specifications (AASHTO).
- 5.3 Welding operators shall be properly accredited experienced operators, each of whom shall submit satisfactory evidence of experience and skill in welding structural steel with the kind of welding to be used in the work, and who have demonstrated the ability to make uniform good welds meeting the size and type of weld required.
- 5.4 All welding shall utilize E70 or E80 series electrodes. The weld process used shall be Flux Core Arc Welding (FCAW) or Gas Metal Arch Welding (GMAW).
- 5.5 The connection of bridge end post to top chord should be a mitered joint with the exposed welds ground smooth. The connection of the floor beam in a pony truss system shall not be solely into the side of a tubular bottom chord without the use of additional stiffeners to prevent chord ovalization.
- 5.6 All structural elements used in the bridge shall be identified by heat number of the steel member used. Specific mill test reports and individual welder certificates shall be tracked and kept on file to be provided at the request of the owner or engineer.
- 5.7 To ensure quality control during bridge fabrication, the bridge supplier shall be the designer and fabricator of the bridge and shall not assign, sublet, or subcontract any part of the bridge fabrication including painting.
- 5.8 The bridge design Professional Engineer shall inspect the bridge structure after fabrication and furnish a signed and sealed Conformance Report and Affidavit verifying that the bridge has been inspected by the Engineer and fabricated in accordance with the Engineer's design calculations and approved shop drawings. This inspection and report shall not be delegated to any other engineer or person. For

weathering steel bridges, the report shall include a summary of computations of the corrosion index (per ASTM G101) for every heat number of structural steel used in the bridge to verify that the steel is of a weathering grade.

- 5.9 Each bridge shall be inspected by a Certified Welding Inspector that is qualified under the AWS QC-1 program. This inspection shall include as a minimum requirement the following: review of shop drawing weld procedures, welder qualifications, and weld testing reports, visual inspection of welds and verification of overall dimensions and geometry of the bridge. A report shall be produced indicating the above items were reviewed and shall be signed and sealed by the CWI signifying compliance with AWS D1.1 codes.

## 6.0 RAILINGS & ACCESSORIES

- 6.1 All railings shall have a smooth inside surface with no protrusions or depressions. All ends of angles and tubes shall be closed and ground smooth. In accordance with AASHTO, railings for bicycle use should be a minimum height of 54" above the floor deck.
- 6.2 Safety Rails: Continuous rails shall be located on the inside of the trusses. The safety rails shall be horizontal safety rails with a maximum opening of 4".

## 7.0 FINISHES

(select one of the following)

- ☐ All boldly exposed surfaces of weathering steel bridges shall be sand blasted in accordance with the Steel Structures Painting Council (SSPC) Surface Preparation Specification No. 7 "Brush Blast Cleaning".
- or
- ☐ Painted bridges shall be sand blasted in accordance with SSPC SPC-6 "Commercial Blast Cleaning". The bridge shall be painted with an epoxy primer followed by an Aliphatic Urethane Gloss Enamel topcoat or approved equal. Bridges shall be provided with paint for touch up after erection.

## 8.0 DELIVERY AND ERECTION

- 8.1 Bridges will be delivered by truck to a location nearest to the site accessible by roads. Hauling permits and freight charges are the responsibility of the manufacturer.
- 8.2 The manufacturer will notify the customer in advance of the expected arrival. Information regarding delays after the trucks depart the plant such as weather, delays in permits, re-routing by public agencies or other circumstances will be passed on to the customer as soon as possible but the expense of such unavoidable delays will not be accepted by the manufacturer.
- 8.3 The manufacturer will advise the customer of the actual lifting weights, attachment points and all necessary information to install the bridge. Unloading, splicing, bolting, and proper lifting equipment is the responsibility of others.
- 8.4 The owner shall procure all necessary information about the site and soil conditions. Soil tests shall be procured by the owner. The engineering design and construction of the bridge abutments, piers and/or footing shall be by the owner. The owner shall install the anchor bolts in accordance with the manufacturer's anchor bolt spacing dimensions. All grounding and lightning protection shall be the responsibility of the owner.

## 9.0 LIMITED WARRANTY

- 9.1 The bridge supplier shall warrant their steel structure(s) to be free of design, material and workmanship defects for a period of ten years from the date of delivery. This warranty does not include decking, railing attachments on any other items not part of the steel truss structure. This warranty shall not cover defects in the bridge caused by abuse, misuse, overloading, accident, improper maintenance, alteration or any other cause not the result of defective materials or workmanship. This warranty shall be void unless owner's records can be supplied which shall indicate compliance with the minimum guidelines specified in the inspection and maintenance procedures. Repair or replacements shall be the exclusive remedy for

**defects under this warranty. The bridge supplier shall not be liable for any consequential or incidental damages for breach of any express or implied warranty on their structure(s).**

# ALABAMA DEPARTMENT OF TRANSPORTATION

DATE: July 27, 2015

Special Provision No. 12-1540

SUBJECT: Pedestrian Bridge, Project No. CMAQ-9802(138) Jefferson County.

Alabama Standard Specifications, 2012 Edition, are hereby amended to include a new SECTION 516 as follows:

## SECTION 516 PEDESTRIAN BRIDGE

### 516.01 Description.

This Section shall cover the design and construction of a pedestrian bridge in accordance with the schematic details shown on the plans. The Contractor shall obtain and submit the design, details and installation requirements for the bridge.

### 516.02 Materials.

All materials shall be furnished in accordance with the requirements given in these Specifications for the type of required material or given in the Contractor's submittal of the design and details of the pedestrian bridge.

### 516.03 Construction Requirements.

#### (a) Design.

The pedestrian bridge shall be designed according to the requirements of the AASHTO LRFD Guide Specification for Pedestrian Bridges, latest edition and interims.

#### (b) Submittal.

##### 1. Content.

The Contractor shall submit the design, details and installation requirements of the pedestrian bridge for review and distribution. The design, details and installation requirements shall be complete to the point that all required materials are identified, all structural features are adequately described and dimensioned, and all installation requirements are thoroughly described. Details shall be submitted on prints of standard size plan sheets (22" x 34").

The submittal shall be prepared, stamped, dated and signed by a Professional Engineer licensed in the State of Alabama, and not employed by the State of Alabama. The design computations shall address all members, connections, anchor bolts, and foundations. The Professional Engineer shall note on the design computations where the design of each member meets the design requirements and deflection tolerances.

Design computations shall include all formulas used and a copy of all calculations and/or computer printouts that cover all members, connections, abutments, footings and other details necessary for a complete structure design. Where computer generated designs are used, the printouts shall consist of the applied loadings, structure geometry, component sizes, moments, shears, reactions, component forces, component stresses, allowable component stresses, combined stress ratios, and deflections. The method of solution used by the computer program, including all formulas used, shall be submitted.

##### 2. Initial Submittal.

The Contractor shall submit three sets of design calculations, details and installation requirements to the (Project) Engineer as an initial submittal. This submittal shall be made within 14 calendar days after the date of the "Notice to Proceed". The Engineer will forward two sets of the submittal to the Bridge Engineer.

If clarifications are required, one set will be returned to the Contractor with comments for clarification. The initial submittal will be returned to the Contractor for clarification within 14 calendar days after the receipt of the initial submittal.



The Contractor will be allowed 7 calendar days for each clarification of the initial submittal and the Bridge Engineer will be allowed 7 calendar days to determine if further clarification is necessary.

The Bridge Engineer will not approve the submittal of design calculations, details and installation procedures but will review the submittal for completeness.

**3. Final Submittal.**

When the Bridge Engineer informs the Contractor that the design calculations, details and installation procedures are complete, the Contractor shall submit 5 sets of design calculations, details and installation procedures. The Contractor will be allowed 5 calendar days to make the final submittal.

The Contractor shall not begin construction or incorporate materials into the work until the Bridge Engineer returns one set of the design calculations, details and installation procedures to the Contractor.

The final submittal shall be sealed by a Licensed Professional Engineer licensed in the State of Alabama.

**(b) Bridge Construction.**

The pedestrian bridge shall be constructed in accordance with the details and installation procedures distributed by the Bridge Engineer.

**516.04 Method of Measurement.**

The Pedestrian Bridge will be measured as one lump sum unit including the abutments and all appurtenances attached to the bridge.

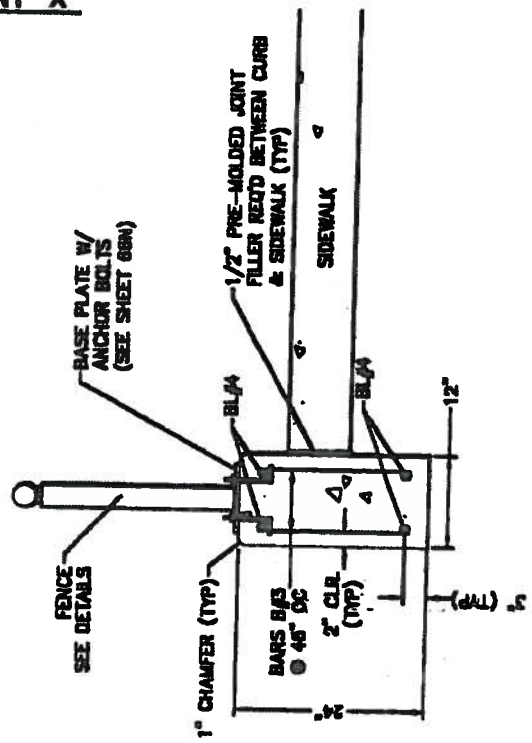
**516.05 Basis of Payment.**

**(a) Unit Price Coverage.**

The contract unit price shall be full compensation for all equipment, materials, tools, labor, submittals, excavation and all other miscellaneous items required to construct the pedestrian bridge.

**(b) Payment will be made under Item No.:**

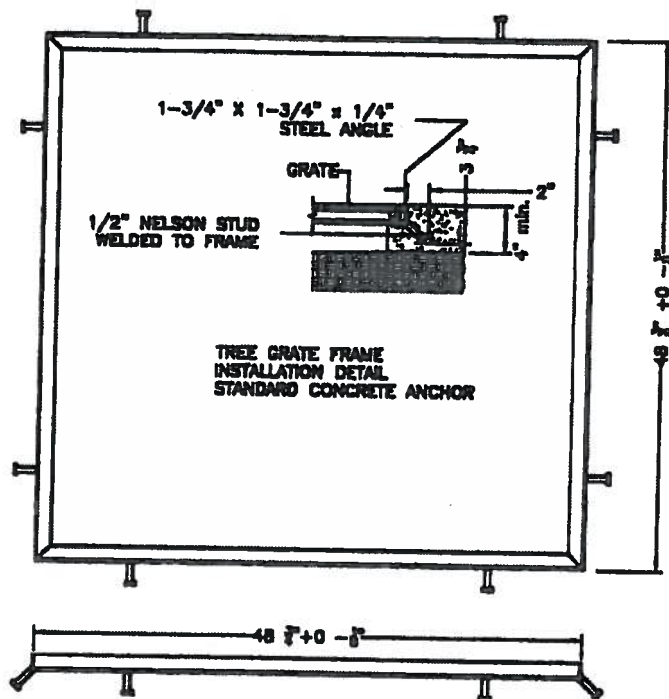
516-D Pedestrian Bridge - per lump sum



# STAND-UP CURB AND HAND RAIL FOR BRIDGE APPROACH

**NOT TO SCALE**

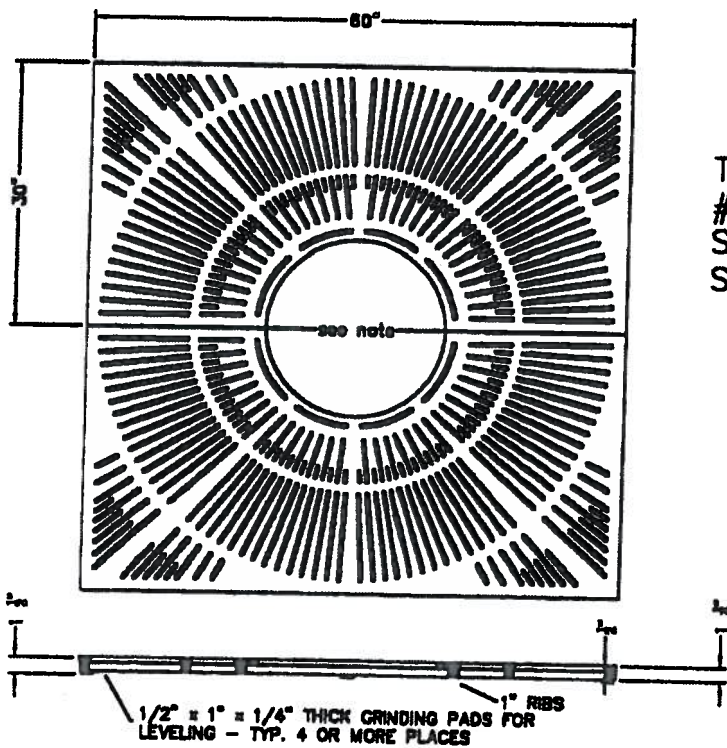
**ATTACHMENT "Y"**



**WITH STANDARD  
CONCRETE ANCHORS**

ANCHORS 1/2" NELSON  
ANCHORS MACHINE  
WELDED TO FRAME

**OTHER INSTALLATION CONFIGURATIONS AVAILABLE**



TREE GRATE  
#M6018-1  
STYLE: STARBURST  
SERIES 1

**IRONSMITH**  
**41-701 CORPORATE WAY, #3**  
**PALM DESERT, CA 92260**  
**(800) 338-4768**  
**• COPYRIGHT**

SLOT WIDTH IS 1/4" MAXIMUM, MEETS ADA COMPLIANCE.  
GRATE CAST FROM GRAY IRON OR ALUMINUM  
TREE OPENING SIZE 15", 18" OR 28"  
STEEL ANGLE FRAME REQUIRED  
OR INSTALLATION USE MODEL M4800F  
OUTER FRAME DIM. IS 3/4" ± 1/8"  
GREATER THAN GRATE.

**SUPPLEMENT TO GENERAL REQUIREMENTS**

**FOR**

**CONSTRUCTION OF PUBLIC IMPROVEMENTS**

**PERIODIC BID FOR VARIOUS CONSTRUCTION PROJECTS-2021**

**PROJECT #71-22-SP06**

**CITY OF HUNTSVILLE, ALABAMA**

## **SUPPLEMENT TO GENERAL REQUIREMENTS**

### **1. GENERAL**

The attention of all bidders is called to Code of Alabama §§ 34-8-1 and 34-8-2 (1975) AND 34-8-1, 34-8-2, 34-8-4, 34-8-6, 34-8-7, 34-8-8 AND 34-8-9 (AMENDED 1996) setting forth the definition of general contractor and the licensing procedures and requirements for state licensing. No one is entitled to bid and no contract may be awarded to anyone who does not possess a valid general contractor's license and the required classification for the municipal type work to be performed. The general contractor's State of Alabama license and classification must appear on the outside of the bid envelope along with the general contractor's name and address, project name and number and date and time of bid opening. Failure to provide this will be cause to reject the bid.

In determining the successful bidder, the Owner will consider in addition to the bid prices, such responsibility factors as characteristics and responsibility, skill, experience, record of integrity in business, and of performance offered and past record of performance on Owner contracts on other similar projects. Any other factors not specifically mentioned or provided for herein, in addition to that of the bid price which would affect the final cost to the Owner, will be taken into consideration in making award of contract. The right is reserved to reject any bid where investigation of the business and technical organization of the bidder available for the contemplated work, including financial resources, equipment, and experience on similar projects does not satisfy the Owner that such bidder is qualified to perform the work. The City Council of the City of Huntsville reserves the right to reject any and all bids and to waive informalities.

Separate sealed bids for the construction of this project shall be accompanied by Bid Bond in the amount of five percent (5%) of the amount of the bid not to exceed \$10,000.00 or as otherwise set by OWNER. Quantities are known as Attachment "A". No bidder may withdraw his bid within ninety (90) days after the actual date of opening. Addenda, the Supplement to General Requirements for Construction of Public Improvements City of Huntsville Specifications, Standard Specifications for Construction of Public Improvements Contract Projects, the supplemental specifications, the plans, special provisions and all supplementary documents are essential parts of the contract, and a requirement occurring in one is as binding as though occurring in all. They are intended to be complementary and to describe and provide for a complete work. In case of discrepancy, calculated dimensions, unless obviously incorrect, shall govern over scaled dimensions. Contract Document Order of Precedence shall be as follows: 1. Addenda; 2. General Requirements (Instructions to Bidders and Bid Proposal including attachments); 3. Supplement to General Requirements; 4. Drawings/City of Huntsville Standard Specifications for Construction of Public Improvements Contract Projects, 1991; 5. Supplemental Specifications (Earthwork, Chain Link Fences, and Gates); 6. Special Conditions; and 7. Current ALDOT Specifications. All bid openings and any scheduled pre-bid conferences are open to the public and will be held in the Public Services Conference Room on the 1st Floor at 320 Fountain Circle, Huntsville, Alabama, unless otherwise noted.

All references to OWNER shall mean City of Huntsville, Alabama. All references to City Engineer shall mean OWNER.

### **2. PROPOSAL PREPARATION**

(A) Proposal Form. The bidder's proposal must be submitted on the complete original proposal form furnished him by the City. Unless otherwise provided in the proposal, joint venturers may submit a proposal for a joint venture of qualified bidders on a proposal form issued to one of them, provided each venturer has taken out a proposal and provided the proposal is signed by each co-venturer.

(B) Details. On the proposal form, the bidder shall enter in words and numbers a unit price. The extended amount bid (unit price x quantity) will total automatically by a formula that has been designated by COH for the appropriate column of each bid item, exclusive of those items for which a fixed contract unit price and extension amount are shown, unless bidder is submitting a handwritten original. On lump sum items an entry shall be shown in the amount bid column. If a bidder wishes to bid an item free, then he shall enter 0 (zero) in both the unit price column and amount bid column. After all extensions are made, the bidder shall total the extended amounts of the bid items and show his total bid amount in the appropriate place on the proposal form. All figures shall be legibly shown in ink or typed. Any interlineation, erasure or other alteration of a figure shall be initialed by the signer of the proposal. The City will check the extension of each item given in the proposal and correct all errors and discrepancies. In case of a discrepancy between a unit bid price and the extension amount, the unit price shall govern. The sum of the extension amounts will be the contract bid price. See Attachment "A".



(C) **Signing.** The bidder's proposal must be signed with ink by the individual, by one or more members of the partnership, by one or more members or officers of each firm representing a joint venture, or by one or more officers of a corporation or by an agent of the Contractor legally qualified and acceptable to the City. If the proposal is made by an individual, his name and post office address must be shown; by a partnership, the name and post office address of each partnership member must be shown; as a joint venture, the name and post office address of each member or officer of the firms represented by the joint venture must be shown; by a corporation, the name of the corporation and the business address of its corporate officials must be shown. The proposal bid bond, if bid bond is tendered, shall be properly signed by the bidder and the surety.

(D) **Irregular Proposals.** Proposals will be considered irregular and will be rejected if they contain any omissions, alteration of form, additions not called for, incomplete bids (includes failure to enter a unit bid price on a bid item or, in the case of an alternate, the alternate being bid by the Contractor), interlineations, erasures or alterations not initialed by the person signing the proposal, or other irregularities of any kind. Bids that are not signed will be considered non-responsive and will be rejected. No proposal will be opened that does not contain the contractor's Alabama State license number on the outside of the envelope. Proposals may be rejected at any time prior to the execution of the contract. Any bidder using the same or different names for submitting more than one proposal upon any project will be disqualified from further consideration on that project.

(E) **Delivery of Proposals.** Each proposal for each contract shall be placed, together with the proposal guaranty, in a sealed envelope on the outside of which is written in large letters "Proposals for Work" and so marked as to indicate the project name, project number, bidder name, and State license number. Proposals will be received by the OWNER or his representative unless otherwise provided until the hour and date set in the notice to Contractors for the opening thereof. No proposal will be considered which has not been received prior to the hour and date set for the opening of bids. Proposals received after that time will be returned. No proposal will be opened that does not contain the contractor's Alabama State license number on the outside of the envelope.

### **3. QUANTITIES**

The undersigned bidder understands that when unit prices are called for, the quantities shown herein are approximate only and are subject to increase or decrease, and offers to do the work whether the quantities are increased, or decreased, at the unit prices stated in the proposal. Any substantial changes on work performed requiring an increase must be approved by change order prior to work and authorized by City Council action. The undersigned bidder also understands that when lump sum bids are called for, bidder will be required to furnish all equipment, labor, material and other items or cost to construct a complete facility. See Attachment "A" - Bid Quantities.

### **4. CHANGES TO CONTRACT**

#### **(A) Change to Contract Price.**

The contract price may only be changed by a change order. Any claim for additional compensation shall be based on written notice delivered to the Owner and Engineer within three (3) days of the occurrence of the event giving rise to the claim. Notice of the extent of the claim with supporting data shall be delivered within three (3) days of such occurrence unless OWNER allows an additional period of time to ascertain more accurate data. The contract price constitutes the total compensation payable to the contractor for performing the work. All duties, responsibilities and obligations assigned to or undertaken by the contractor shall be at his expense without changing the contract price. The owner may at any time without notice to the sureties, by written order designated or indicated to be a change order, make any change in the work within the general scope of the contract, including but not limited to changes: (1) in the specifications; (2) in the method or manner of performance of the work; (3) in the owner-furnished facilities, equipment, materials, services, or site; or (4) directing acceleration in the performance of the work. Any other written order or an oral order from the owner which causes any such change, shall be treated as a change order under this clause, provided that the contractor gives the owner written notice stating the date, circumstances, and source of the order and that the contractor regards the order as a change order.

#### **(B) Change to Unit Price.**

Prices to remain firm for the first year of the contract term. Any price increase imposed during the extended contract period shall be in exact increments of any increase imposed by the contractor's supplier. Written

verification of any such increase must be submitted to the City of Huntsville for consideration. If an agreement cannot be reached concerning any such price increases, the City of Huntsville reserves the right to cancel the contract.

**(C) Change to Items.**

In the event a project requires a work item(s) not specified herein, the successful contractor shall submit to the City of Huntsville a description of the additional work items required and the proposed additional charges for such work, which shall be reviewed by the City of Huntsville for content and costs approval. At such time that unspecified work items are discovered at the site, all work shall cease on that particular project until final approval is obtained from the City of Huntsville.

**(D) Change to Contract Time.**

The undersigned bidder understands that the Contract Time for this periodic contract is one (1) year from the date of award, with services provided on an as-needed basis. The City of Huntsville reserves the right to extend this contract for an additional one (1) year period on an annual basis up to two (2) times provided the contract does not exceed three (3) years.

Each work order will have a contract time assigned by OWNER based upon a particular project. Beginning and end dates for each project will be stated and issued with the Notice to Proceed (NTP) authorization letter prior to the commencement of work.

All claims for adjustment in the contract time shall be determined by OWNER.

**(E) Time extension for abnormal weather conditions**

In order for the owner to award a time extension for abnormal weather, the following conditions must be satisfied:

1. The weather experienced at the project site during the contract period must be found to be unusually severe, that is, more severe than the adverse weather anticipated for the project location during any given month.
2. The unusually severe weather must actually cause a delay to the completion of the project. The delay must be beyond the control and without fault or negligence of the contractor.

The following table of monthly anticipated adverse weather delays is based on National Oceanic and Atmospheric Administration (NOAA) and similar data for the project location and will constitute the base line for monthly weather time evaluations. The Contractors normal progress schedule must reflect these anticipated adverse weather delays in all weather dependent activities. The contractor's bid shall include the impact of the anticipated lost days in his quotation for the time he is to be on site.

**Monthly anticipated adverse weather delay work days based on (5) day work week**

| JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 11  | 8   | 6   | 4   | 4   | 5   | 6   | 4   | 4   | 3   | 4   | 8   |

Actual adverse weather delay days must prevent work on critical activities for 50% or more of the contractors scheduled work day before it is considered a weather delay day.

**5. MAINTAIN OFFICE**

The successful contractor shall establish an office in Huntsville, Alabama, with telephone service, and shall maintain close liaison with the OWNER.

**6. SUBCONTRACTORS**

The prime contractor shall be responsible for all work covered under the executed contract; therefore, this

responsibility cannot be shifted by subcontracting the work to others. All subcontractors shall be approved by the OWNER. A list of all subcontractors proposed for use on the project shall be provided at the time that bids are received. This document will be known as ATTACHMENT "C". Any additional subcontractors needed during the contract period shall be approved by the owner. Lien waivers will be required from all subcontractors at the time of submittal of the final payment request for each work order.

#### **7. BID BOND**

Accompanying this proposal is a certified check or original signed, dated and sealed, bid bond in the amount of not less than five per (5%) of the total base bid amount shown on Attachment "A", not to exceed \$10,000.00 dollars, payable to the City of Huntsville, Alabama, which is to be forfeited, if, in the event that proposal of bidder is accepted, the undersigned bidder shall fail to execute the contract and furnish a satisfactory contract bond under the conditions and within the time specified in this proposal; otherwise, said certified check or bid bond is to be returned to the undersigned.

#### **8. PERFORMANCE AND PAYMENT BONDS**

All bonds must be approved by the City of Huntsville. Within fifteen (15) days after the date of notice of acceptance of this proposal to execute the contract and to furnish to the City of Huntsville, Alabama, a labor and material bond and a performance bond, each in the amount of FIVE HUNDRED THOUSAND AND NO/100 DOLLARS (\$500,000.00), to remain in effect for the duration of the contract, and as allowed by State Law, and approved by the OWNER.

#### **9. LIABILITY INSURANCE (SEE ALSO ATTACHED INSURANCE FOR CONTRACTORS, WHICH IS SHOWN AS SECTION 23.)**

The Contractor shall provide and maintain comprehensive general public liability insurance protecting the Contractor and the City against claims arising out of or resulting from the Contractor's operation under his contract for personal injury or property damage with minimum combined single limits of \$1,000,000, whether such operations are performed by himself, or by anyone directly or indirectly employed by them. In addition, a copy of the policy may be requested upon award. Certificates of insurance acceptable to the City shall be filed with the City prior to commencement of work and said certificate shall provide that policies will not be altered or canceled until at least 30 days prior written notice has been given to the City.

The Contractor shall indemnify and hold the OWNER, its officers and employees harmless from any suits, claims, demands, damages, liabilities, costs and expenses including reasonable attorney's fees, arising out of or resulting from the performance of the work. Certificates of Insurance are required naming the City as the Certificate Holder. The Certificates should reflect the insurance coverage required herein. The Certificates are to be signed by a person authorized by the Insurer to bind coverage on its behalf and must be an original signature. Certificates signed using digital signatures will not be accepted unless accompanied by a written statement from the insurance/surety company indicating that their electronic signature is intended as their signature. The Certificates must indicate coverage will not be canceled or non-renewed except after thirty (30) days prior written notice to the City at the following address: City of Huntsville, P.O. Box 308, Huntsville, Alabama 35804, Attention: Penny Kelly.

#### **10. LICENSES AND CLASSIFICATIONS**

In order to receive the award of this contract, the Contractor shall be required to possess a valid general contractor's license in accordance with Code of Alabama §§34-8-2 (1975) and (1996 amended) Code of Alabama as stated in Section 1 above. This general contractor's license shall be a State of Alabama general contractor's license and shall be maintained throughout the term of this contract. A valid City of Huntsville license shall also be maintained throughout the term of this contract.

The required classification for this project is stated in the Notice to Contractors also known as Attachment "F".

#### **11. PERMITS**

Additionally, the contractor shall be required to obtain and pay for all other federal, state or local permits, licenses, and fees which may be necessary or required in order to perform the work detailed herein. A City of Huntsville

Contractor's License must be obtained from the City of Huntsville Inspection Department at the time signatures are obtained on contracts. A copy of City of Huntsville license shall be provided to the OWNER at the time the contract is executed.

## **12. PAYMENT**

A COH PAY disk will be provided for each project to the successful contractor for submitting requests for payment. The OWNER agrees to pay the contractor as follows: Once each month per project the OWNER shall make partial payment to the Contractor on the basis of duly certified and approved estimates of the work performed during the preceding month by the Contractor, less five (5%) of the amount of such estimate, which is to be retained by the City until all of the work has been performed. Owner reserves the right to withhold payments for, but not limited to: a) defective work not remedied or defective materials not removed from site; b) claims filed, or reasonable evidence indicating imminent filing of claims against the Contractor; c) failure of the Contractor to make payments properly to subcontractors or for material or labor; d) a reasonable doubt that the Contract can be completed for the balance then unpaid; e) damage to another Contractor; f) performance of work in violation of the terms of the Contract; g) expiration of Contract time. All pay requests will be submitted by hard copy and on disk. The hard copy will be printed from the disk. The OWNER will provide the disk to the contractor. No further retainage will be held after fifty percent of the contract is complete. All payments to contractor will be made as soon as practical after the approval and finance processes have been completed. SEE SECTION 29 FOR INFORMATION ON FINAL PAYMENT.

## **13. EXAMINATION OF SPECIFICATIONS, PROPOSAL, CONTRACT AND SPECIAL PROVISIONS**

Before submitting a proposal, bidders shall examine carefully the proposal form, standard specifications, supplemental specifications, contract, and special provisions. It is mutually agreed that the submission of a proposal shall be prima facie evidence that the bidder has made such examination and has judged for and satisfied himself as to the requirements of standard specifications, supplemental specifications, special provisions, and contract. No adjustments or compensation will be allowed for losses caused by failure to comply with this requirement. Bidders are advised that the City disclaims responsibility for any opinions, conclusions, interpretations, or deductions that may be expressed or implied in any of the information presented or made available to bidders; it being expressly understood that the making of deductions, interpretations, and conclusions from all of the accessible factual information is the sole responsibility of the bidder.

## **14. INCLUSIONS TO CONTRACT**

The parties further agree that the advertisement for bids, instructions to bidders, proposal, specifications, general requirements, supplement to general requirements and general terms and conditions together with any addenda thereto made prior to submission of the contractor's proposal and all modifications agreed to by the parties and issued after the execution of this contract are a part of this contract as if fully set out herein.

## **15. COMMENCEMENT OF WORK**

All work shall begin within three (3) days of the work authorization after Contractor is notified unless delay is authorized by a City of Huntsville representative. Once work has begun, it should be completed in the shortest reasonable time and within the calendar days allocated for completion of the project. If work is not completed as allocated, Contractor will pay liquidated damages in accordance with Section 80.11 "Schedule of Liquidated Damages" for each day thereafter until all work is completed.

## **16. STORAGE OF MATERIALS**

The Contractor shall not permit the storage of materials on or use of any property outside the right-of-way easement or property identified as the project site.



## **17. LIQUIDATED DAMAGES**

It is further understood and agreed by and between the parties to this contract, that in the event the work to be performed under this contract is not completed at the expiration of the contract time, then, and in that event, the Contractor shall pay to the City the amounts per calendar day by the schedule shown in the schedule in the City of Huntsville Standard Specifications, Section 80.11 – "Schedule of Liquidated Damages" for each day thereafter until such work is completed. The City will deduct said sum or sums from any money due the Contractor under this contract for any and all invoices submitted after the contract due date. (See Section 12.). Liquidated damages will automatically calculate on the COH Pay disk and be deducted from all invoices when the invoice estimate period end date is later than the contract completion date.

## **18. TRAFFIC FLOW**

The Contractor shall be responsible for the uninterrupted, orderly and safe flow of traffic around, on, over or across the project site.

## **19. TERMINATION FOR CONVENIENCE**

A. The City may for any reason whatever terminate performance under this Contract in whole or in part by the Contractor for convenience. The City shall give written notice of such termination to the Contractor specifying when the full or partial termination becomes effective.

B. The Contractor shall incur no further obligations in connection with the Work and the Contractor shall stop Work when such termination becomes effective. The Contractor shall also terminate outstanding orders and subcontracts and shall not purchase any additional supplies, equipment or materials for the Work, and shall make every effort to mitigate the costs of termination. The Contractor shall settle the liabilities and claims arising out of their termination of subcontracts and orders. The City may direct the Contractor to assign the contractor's right, title and interest under terminated orders or subcontracts to the City or its designee and may direct the Contractor to take steps to preserve the Work in place at the time of the termination.

C. The Contractor shall transfer title and deliver to the Owner such completed Work and materials, equipment, parts, fixtures, information and Contract rights as the Contractor has.

D. (1) The Contractor shall submit a termination claim to the City and the Consultant specifying the amounts due because of the termination for convenience together with costs, pricing or other data required by the City. If the Contractor fails to file a termination claim within six (6) months from the effective date of termination, the owner shall pay the Contractor, an amount derived in accordance with subparagraph (3) below.

(2) The City and the Contractor may agree to the compensation, if any, due to the Contractor hereunder.

(3) Absent agreement to the amount due to the Contractor, the City shall pay the Contractor the following amounts:

(a) Contract prices for labor, materials, equipment and other services accepted under this Contract.

(b) Reasonable costs incurred in preparing to perform and in performing the terminated portion of the work, and in terminating the Contractor's performance, plus a fair and reasonable allowance for overhead and profit thereon (such profit shall not include anticipated profit or consequential damages); provided, however, that if it appears that the Contractor would not have profited or would have sustained a loss if the entire Contract would have been completed, no profit shall be allowed or included and the amount of compensation shall be reduced to reflect the anticipated rate of loss, if any. Costs incurred in performing the terminated portion of the work must have been incurred prior to the effective date of the termination.

(c) Reasonable costs of settling and paying claims arising out of the termination of



subcontracts or orders pursuant to Paragraph B of this clause. These costs shall not include amounts paid in accordance with other provisions hereof.

The Total Sum to be paid the Contractor under this clause shall not exceed the total Contract Price, as properly adjusted, reduced by the amount of payments otherwise made, and shall in no event include duplication of payment.

The Owner specifically reserves the right to convert a termination for convenience into a termination for cause within one (1) year after the effective date of the termination for convenience, in the event that the Owner becomes aware of circumstances or conditions with regards to the Work that would have warranted the Owner terminating for default, had those circumstances or conditions been properly known by the Owner, at the time of the termination for convenience. The Owner may, upon written notice to the Contractor of its intention to convert the termination for convenience to a termination for cause, initiate the termination for cause procedures at that time, as set forth in the Performance Bond, and the termination for convenience shall then be converted to a termination for cause.

## **20. TERMINATION FOR CAUSE**

- A. If the Contractor persistently or repeatedly refuses or fails to complete the work in a timely manner, supply enough properly skilled workers, supervisory personnel or proper equipment or material, or if Contractor fails to make prompt payment to Subcontractors or for materials or labor, or persistently disregards laws, ordinances, rules, regulations, or orders of any public authority having jurisdiction, or otherwise is guilty of a substantial violation of a material provision of this Contract, then the Owner may by written notice to the Contractor, without prejudice to any other right or remedy, terminate the employment of the Contractor and take possession of the site and of all materials, equipment, tools, construction equipment, and machinery thereon owned by the Contractor and may finish the Work by whatever methods it may deem expedient. In such case, the Contractor shall not be entitled or receive any further payment until the Work has been completed.
- B. If the unpaid balance of the Contract Price exceeds the cost of finishing the work, including compensation for the additional professional services and expenses made necessary thereby, such excess shall be paid to the Contractor. If such costs exceed the unpaid balance, the Contractor shall pay the difference to the City. This obligation for payment shall survive the termination of the Contract.
- C. In the event the employment of the Contractor is terminated by the City for cause pursuant to Paragraph A and it is subsequently determined by a court of competent jurisdiction that such termination was without cause, such termination shall thereupon be deemed a Termination for Convenience and the provisions of the Termination for Convenience clause shall apply.

## **21. UNBALANCED BIDS**

The City may reject a bid as non-responsive if the prices bid are materially unbalanced between line items. A bid is materially unbalanced when it is based on prices which are significantly overstated or understated in relation to cost for other work, and if there is a reasonable doubt that the bid will result in the lowest overall cost to the City even though it may be the low evaluated bid.

## **22. ADDITIONAL INSURANCE REQUIREMENTS**

The Contractor shall carry insurance of the following kinds and amounts in addition to any other forms of insurance or bonds required under the terms of the contract specifications. The Contractor shall procure and maintain for the duration of the job until final acceptance by the Owner, or as later indicated, insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by the Contractor, his agents, representatives, employees or subcontractors.

### **A. MINIMUM SCOPE OF INSURANCE**

#### **1. General Liability**

Insurance will be written on an occurrence basis. Claims-made coverage will be accepted only on an exception basis after the Owner's approval. General Liability Coverage and Owners Contractors Protective

Insurance should be written by this same insurance company.

**Commercial General Liability**

Products and Completed Operations  
Contractual  
Personal Injury  
Explosion, Collapse and Underground  
Broad Form Property Damage

**2. Professional Liability**

N/A

**3. Automobile Liability**

Business Automobile Liability providing coverage for all owned, hired and non-owned autos. Coverage for loading and unloading shall be provided under either automobile liability or general liability policy forms.

**4. Worker's Compensation Insurance**

Statutory protection against bodily injury, sickness or disease or death sustained by employee in the scope of employment. Protection shall be provided by a commercial insurance company or a recognized self-insurance fund authorized before the State of Alabama Industrial Board of Relations.

**5. Employers Liability Insurance**

Covering common law claims of injured employees made in lieu of or in addition to a worker's compensation claim.

**B. MINIMUM LIMITS OF INSURANCE**

**1. General Liability**

Commercial General Liability on an occurrence form for bodily injury and property damage:

|             |                                           |
|-------------|-------------------------------------------|
| \$2,000,000 | General Aggregate Limit                   |
| \$2,000,000 | Products - Completed Operations Aggregate |
| \$1,000,000 | Personal and Advertising Injury           |
| \$1,000,000 | Each Occurrence                           |

**2. Professional Liability**

N/A

**3. Automobile Liability**

\$1,000,000 Combined Single Limit per accident for bodily injury and property damage.

**4. Worker's Compensation**

As required by the State of Alabama Statute. As required by the State of Alabama Statute. The coverage should include waiver of subrogation.

**5. Employers Liability**

|           |               |
|-----------|---------------|
| \$100,000 | Bodily Injury |
|-----------|---------------|

**\$500,000**

**Policy Limit by Disease**

### **C. OTHER INSURANCE PROVISIONS**

The Owner is hereby authorized to adjust the requirements set forth in this document in the event it is determined that such adjustment is in the Owner's best interest. If the insurance requirements are not adjusted by the Owner prior to the Owner's release of specifications with regard to the project in questions, then the minimum limits shall apply. Liability is not necessarily limited to the minimum amounts of insurance required herein, especially where other insurance coverage is available.

The policies are to contain, or be endorsed to contain, the following provisions:

#### **1. General Liability and Automobile Liability Coverages Only:**

a. The Owner, its officers, employees, agents and specified volunteers are to be covered as Additional Insureds, as their interest may appear, as respects: liability arising out of activities performed by or on behalf of the contractor, architect, engineer, land surveyor or consulting firm for products used by and completed operations of the Contractor, or automobiles owned, leased, hired or borrowed by the Contractor. The coverage shall contain no special limitations on the scope of protection afforded to the Owner, its officers, employees, agents or specified volunteers.

b. The Contractor's insurance coverage shall be primary insurance as respects the Owner, its officers, employees, agents, and specified volunteers, as their interest may appear. Any insurance or self-insurance maintained by the Owner, its officers, officials, employees, agents or specified volunteers shall be excess of the Contractor's insurance and shall not contribute to it.

c. The Contractor's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.

#### **2. All Coverages**

a. The Contractor is responsible to pay all deductibles. Each insurance policy required by this clause shall be endorsed to state that coverage shall not be suspended, voided, canceled by either party, reduced in coverage or in limits except after thirty (30) days prior written notice by certified mail, return receipt requested, has been given to the Owner. Cancellation of coverage for non-payment of premium will require ten (10) day's written notice to the Owner.

b. Any failure to comply with reporting provisions of the policies shall not affect coverage provided to the Owner, its officers, employees, agents or specified volunteers.

### **D. ACCEPTABILITY OF INSURERS**

Insurance is to be placed with insurers with an A. M. Best's rating of no less than B + V.

### **E. VERIFICATION OF COVERAGE**

The Owner shall be indicated as a Certificate Holder and the Contractor shall furnish the Owner with Certificates of Insurance reflecting the coverage required by this document. The A.M. Best Rating and deductibles, if applicable, shall be indicated on the Certificate of Insurance for each insurance policy. The certificates for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf. All certificates are to be received and approved by the Owner before work commences. The Owner reserves the right to require complete, certified copies of all required insurance policies at any time. Certificates signed using digital signatures will not be accepted unless accompanied by a written statement from the insurance/surety company indicating that their electronic signature is intended as their signature.

**F. SUBCONTRACTOR WORKING FOR GENERAL CONTRACTOR, OR ARCHITECT, ENGINEERS, LAND SURVEYORS OR CONSULTING FIRMS WORKING FOR THE ENGINEER OF RECORD**

The Contractor shall include all subcontractors as insured under its policies or shall furnish separate certificates and/or endorsements for each subcontractor. The Engineer of Record shall include all architects, engineers, land surveyors or consulting firms as insured under its policies other than professional liability, or shall furnish separate certificates and/or endorsements for each architect, engineer, land surveyor or consulting firm. Subcontractors working for the contractor or architects, engineers, land surveyors, or consulting firms working for the Engineer of Record shall be required to carry insurance.

**G. HOLD HARMLESS AGREEMENT**

**1. Other Than Professional Liability Exposures**

The Contractor, architect, engineer, land surveyor or consulting firm, to the fullest extent permitted by law, shall indemnify and hold harmless the City of Huntsville, its elected and appointed officials, employees, agents and specified volunteers against all claims, damages, losses and expenses, including, but not limited to, attorney's fees, arising out of or resulting from the performance of the work, provided that any such claim, damage, loss or expense (1) is attributable to personal injury, including bodily injury, sickness, disease or death, or to injury to or destruction of tangible property, including loss of use resulting therefrom and (2) is caused by any negligent act or omission of the contractor, architect, engineer, land surveyor or consulting firm, or any of their subcontractors, subconsultants, or anyone directly or indirectly employed by any of them or anyone for whose acts they are legally liable. Such obligation should not be construed to negate, abridge, or otherwise reduce any other right or obligation of indemnity which would otherwise exist as to any party or person described in this paragraph.

2. The architect, engineer, land surveyor or consulting firm agrees that as respects to negligent acts, errors, or omissions in the performance of professional services, to indemnify and hold harmless the City of Huntsville, its officers, agents, employees, and specified volunteers from and against any and all claims, demands, losses and expenses including, but not limited to attorney's fees, liability, or consequential damages of any kind or nature resulting from any such negligent acts, errors, or omissions of the architect, engineer, land surveyor or consulting firm or any of their subconsultants, or anyone directly or indirectly employed by any of them or anyone for whose acts they are legally liable.

**23. DOMESTIC PREFERENCES**

In the performance of this contract, the contractor shall comply with Ala Code (1975) §§ 39-3-1 through 39-3-5 in supplying steel, materials, supplies, other products, and labor. Failure to comply with these requirements shall subject the contractor to the penalties set forth in the sections of the Alabama Code set forth above.

**24. TIME IS OF THE ESSENCE**

Time is of the essence in the performance of this contract.

**25. NO DAMAGES FOR DELAYS**

In the event that the Contractor is delayed in the performance of the work for the reasons set forth in §80.09 of the City of Huntsville's Standard Specifications for the construction of Public Improvements, Contract Projects, 1991, then the Contractor's recovery for such delay shall be limited to the extensions of time in contract performance in accordance with the provisions of §80.09 and in §4(c) "Changes in Contract Time" as set forth in the Request for Bids.

In such circumstances, time extensions are the sole remedy provided to the Contractor. The Contractor shall make no claim for extra compensation due to delays of the project beyond his control. Such delays may include those caused by an act of neglect on the part of the owner or the engineer, or by an employee of either, or by any separate contractor employed by the Owner, or by any changes ordered in the work, or by labor disputes, fire, unusual delays in transportation, adverse weather condition not reasonably anticipatable, unavoidable casualties, or by delay specifically authorized by the owner in writing pending the resolution of any disputes, or by any other cause which the Owner determines may justify delay.



## **26. CONTRACTOR RESPONSIBLE FOR LOCATING UTILITIES PRIOR TO CONSTRUCTION INITIATION**

The Contractor's attention is specifically directed to §50.07 -Cooperation with Utilities and Non-Highway Public Facilities of the City of Huntsville's Standard Specifications for the Construction of Public Improvements, Contract Projects, 1991. In addition to the responsibilities placed on the Contractor by that clause, the Contractor shall be responsible for having existing utilities located prior to excavations. The existence and location of any underground utility pipes or structures shown on these drawings have been obtained by a search of the available records. The City assumes no responsibility as to completeness or accuracy of the depicted location on these drawings. The Contractor shall be responsible for taking precautionary measures to protect the utility lines shown and all other lines not of record or not shown on these drawings by verification of their location in the field prior to the initiation of the work.

## **27. CORRECTION TO CITY OF HUNTSVILLE'S STANDARD SPECIFICATIONS FOR THE CONSTRUCTION OF PUBLIC IMPROVEMENTS, CONTRACT PROJECTS, 1991**

§80.09 (b) 2. of the City of Huntsville's Standard Specifications for the construction of Public Improvements, Contract Projects, 1991 refers to the definition of recovery time as being set forth in Section 10.01. Inasmuch as this definition was omitted from §10.01, the following definition shall be incorporated :

**Recovery Time.** Recovery time is defined as the time required, after the controlling item or items of work have been substantially damaged as a result of conditions and causes beyond the control of the Contractor and not due to his negligence or fault, to restore the work to the condition existing prior to such damage so that normal operations can be resumed on the contract pay items. Recovery time shall be the number of days required by the Contractor, working with normal forces, to restore the work as described above.

## **28. WARRANTIES**

Contractor shall provide a minimum of one year warranty of all materials and services from date of final completion. Additionally, all manufacturer's warranties on materials used in providing the services shall be provided to the owner with the final payment request. Separate warranty bonds may be required on specialty items as determined by the Owner and will be shown as a separate line item in the quantities prior to bidding.

## **29. COORDINATION WITH OTHER CONTRACTORS**

It shall be the responsibility of the contractor to coordinate with other separate contractor's who may be working on the site or an adjacent site with regards to access to the site, storage of materials and working on a non-interference basis.

## **30. W-9 TAXPAYER FORM**

All vendors/contractors are required to submit a Federal Tax Form W-9 to City of Huntsville at the time a contract is awarded, unless vendor/contractor is already registered and doing business with the City. No payments of invoices can be made until this W-9 Tax Form has been properly submitted. A copy of the W-9 Tax Form can be obtained at the following website: [www.irs.ustreas.gov/pub/irs-pdf/fw9.pdf](http://www.irs.ustreas.gov/pub/irs-pdf/fw9.pdf)

## **31. FINAL PAYMENT**

Final payment to be based upon each separate project work order issued by OWNER and made payable to construction contractor after contractor provides the following: advertising of completion for four (4) consecutive weeks, lien waivers have been provided from all subcontractors. This final payment will be retainage only. All work will be complete prior to advertisement of completion. Advertisement of completion will be in a Huntsville local newspaper. The final payment request of retainage only will be submitted along with the advertisement of completion, warranties, and lien waivers.

## **32. PROJECT COMPLETION DATE**

The project completion date will be set by the COH Project Engineer. This date will be after all work has been



completed. Therefore, all work will be completed before any advertisement of completion is made. The completion date will always be before the first advertisement date.

### **33. LIEN WAIVERS**

Lien waivers will be required from all subcontractors working for the contractor. These lien waivers shall be included with your final payment package. The contractor is responsible for obtaining signatures from his subcontractors. If no subcontractors are used, contractor must provide a statement indicating such.

### **34. LOWEST RESPONSIVE AND RESPONSIBLE BIDDER**

For the purpose of determining the lowest responsive, and responsible bidder, the OWNER shall consider the total base bid amount only, with the award going to the lowest overall bidder. It is understood that when unit prices are called for, the quantities shown herein are approximate only and are subject to increase or decrease, and bidder offers to do the work whether the quantities are increased, or decreased, at the unit prices stated in the original bid submittal. The undersigned bidder also understands that when lump sum bids are called for, bidder will be required to furnish all equipment, labor, material and other items or cost to construct a complete facility. Basis of payment will be determined by the actual quantities measured (to be determined by the COH) and multiplied by the contract bid unit prices as originally submitted with the bid documents.

### **35. NON-RESIDENT BIDDERS**

In awarding the Contract, preference will be given to Alabama resident contractors and a nonresident bidder domiciled in a state having laws granting preference to local contractors shall be awarded the Contract only on the same basis as the nonresident bidder's state awards contracts to Alabama contractors bidding under similar circumstances.

### **36. CORRECTION TO SECTION 105 – EXCAVATION AND EMBANKMENT 105.04 (a) Method of Measurement**

Section 105.04 will remain as stated when estimated borrow material is less than 2500 C.Y.

When estimated borrow material is more than 2500 C.Y., Section 105.04 is revised to remove the last paragraph: "Borrow material will be measured at the point of delivery, inside the delivery truck less 30 percent for shrinkage."

### **37. CORRECTION TO SECTION 847 – PIPE CULVERT JOINT SEALERS**

Section 847 is deleted and replaced with Section 846 – Pipe Culvert Joint Sealers, ALDOT Specifications for Highway Construction, Current Edition.

### **38. NPDES CONSTRUCTION REQUIREMENTS**

For areas of this project meeting the Alabama Department Of Environmental Management (ADEM) definition of a "Construction Site", the Contractor shall prepare and apply for, pay the necessary fees, post the required registration at the jobsite prior to commencing work, and maintain the worksite and records in accordance with the ADEM requirements for National Pollutant Discharge Elimination System (NPDES) registration. Off site borrow pits utilized in the construction of this project are included in the requirement. NPDES Construction Site is construction that disturbs 1 acre or greater or will disturb less than 1 acre but is part of a larger common plan of development or sale whose total land disturbing activities total 1 acre or greater. An NPDES construction site also includes construction sites, irrespective of size, whose stormwater discharges have a reasonable potential to be a significant contributor of pollutants to a water of the State, or whose stormwater discharges have a reasonable potential to cause or contribute to a violation of an applicable Alabama water quality standard as determined by the Department. The Contractor is referred to the "Alabama Department Of Environmental Management Field Operations Division – Water Quality Program - Division 335 – 6" for complete definitions and requirements. The Contractor is also referred to Item 11 of these General Requirements, sections 50.15, 50.16, and 70.02 of the City of Huntsville "Standard Specifications For Construction Of Public Improvements, Contract Projects" (Specifications)

Contractor violations of the permit by rule which results in enforcement actions from ADEM including fines and/or

work stoppage shall be the responsibility of the Contractor. Fines assessed to the Contractor or the OWNER because of Contractor action shall be paid by the Contractor. No extension of contract time shall be considered as a result of enforcement. Enforcement history will also be considered by the OWNER in its decision to issue future proposals or award future contracts in accordance with disqualification provisions of Section 20.02(b) of the Specifications.

### **39. E-VERIFY STATEMENT**

The Beason-Hammon Alabama Taxpayer and Citizen Protection Act, Act No. 2011-535, Code of Alabama (1975) § 31-13-1 through 31-13-30 (also known as and hereinafter referred to as "the Alabama Immigration Act") as amended by Act No. 2012-491 on May 16, 2012 is applicable to all competitively bid contracts with the City of Huntsville. As a condition for the award of a contract and as a term and condition of the contract with the City of Huntsville, in accordance with § 31-13-9 (a) of the Alabama Immigration Act, as amended, any business entity or employer that employs one or more employees shall not knowingly employ, hire for employment, or continue to employ an unauthorized alien within the State of Alabama.

During the performance of the contract, such business entity or employer shall participate in the E-Verify program and shall verify every employee that is required to be verified according to the applicable federal rules and regulations. The business entity or employer shall assure that these requirements are included in each subcontract in accordance with §31-13-9(c). Failure to comply with these requirements may result in breach of contract, termination of the contract or subcontract, and possibly suspension or revocation of business licenses and permits in accordance with §31-13-9 (e) (1) & (2).

Code of Alabama (1975) § 31-13-9 (k) requires that the following clause be included in all City of Huntsville contracts that have been competitively bid and is hereby made a part of this contract:

"By signing this contract the contracting parties affirm, for the duration of the agreement, that they will not violate federal immigration law or knowingly employ, hire for employment, or continue to employ an unauthorized alien within the State of Alabama. Furthermore, a contracting party found to be in violation of this provision shall be deemed in breach of the agreement and shall be responsible for all damages resulting therefrom."

Contractor's E-Verify Memorandum of Understanding shall be a part of the contract bid documents and shall be submitted with the bid package.

### **40. CITY OF HUNTSVILLE'S TRAFFIC ENGINEERING DEPARTMENT CONSTRUCTION REQUIREMENTS**

For areas of this project that require removal of traffic loops, striping, markings, rpm's and ceramic markers, the following shall apply:

1. **TRAFFIC SIGNAL LOOP REPAIRS** – All vehicular and bicycle detector loop replacements shall be in accordance with the Alabama Department of Transportation Standard Specifications for Highway Construction, Current Edition. Unless otherwise specified, traffic signal loops shall be replaced exactly as existed prior to any paving or resurfacing work. The general contractor will be responsible for documenting location of loops, location of any associated items for loop operation and assuring that loops are replaced exactly as existed prior to paving. All vehicular and bicycle loop repairs shall be replaced within fourteen (14) calendar days after final paving work.
2. **TRAFFIC SIGNAL STRIPING, MARKINGS, RAISED PAVEMENT MARKERS AND CERAMIC MARKERS FOR GUIDANCE** - All traffic striping, markings, raised pavement markers and ceramic markers for guidance shall be in accordance with the Alabama Department of Transportation Standard Specifications for Highway Construction, current edition. Unless otherwise specified, traffic striping, markings, raised pavement markers and ceramic markers for guidance shall be replaced exactly as traffic striping, markings, raised pavement markers and ceramic markers for guidance existed prior to any paving or resurfacing work. The general contractor will be responsible for documenting location of all striping, markings, raised pavement markers and ceramic markers for guidance and assuring that all are replaced exactly as existed prior to paving. All traffic striping, markings, raised pavement markers and ceramic markers for guidance shall be reflectorized. All resurfaced areas shall be marked with temporary striping and markings for traffic usage by nightfall each day, 7 days a week, in accordance with State of Alabama regulations. All

permanent striping, markings, raised pavement markers and ceramic markers for guidance shall be replaced within thirty (30) calendar days after final paving work.

#### **41. SURVIVABILITY OF CONTRACT PROVISIONS**

Termination of this Contract by either party shall not affect the rights and obligations of the parties that accrued prior to the effective date of the termination. Terms and conditions of the contract that survive termination include, but are not necessarily limited to, provisions regarding payments, insurance, termination, warranty, governing law of the contract, liquidated damages, bonding requirements, notice procedures, waiver, and other requirements necessary and appropriate for the proper resolution of disputes, claims, and enforcement of the rights of the parties.

#### **42. SURETY BONDS**

The Contractor shall furnish separate performance and payment bonds to the Owner within fifteen (15) days after the date of acceptance of this proposal by City Council action. Each bond shall set forth a penal sum in an amount not less than the Contract Price. Each bond furnished by the Contractor shall incorporate by reference the terms of this Contract as fully as though they were set forth verbatim in such bonds. In the event the Contract Price is adjusted by Change Order executed by the Contractor, the penal sum of both the performance bond and the payment bond shall be deemed increased by like amount. The performance and payment bonds furnished by the Contractor shall be in forms suitable to the Owner, in conformance with all the requirements of the Code of Alabama (1975), §39, and shall be executed by a surety, or sureties, reasonably suitable to the Owner. All bonds must be approved by the Mayor and the Clerk-Treasurer of the City of Huntsville.

#### **43. GOVERNING LAW**

The Contract shall be governed by the laws of the State of Alabama.

#### **44. ALABAMA IMMIGRATION ACT (Beason-Hammon Alabama Taxpayer and Citizen Protection Act, Act No. 2011-535, Code of Alabama (1975))**

Compliance with the requirements of the (Beason-Hammon Alabama Taxpayer and Citizen Protection Act, Act No. 2011-535, Code of Alabama (1975) § 31-13-1 through 31-13-30, as amended by Alabama Act 2012-241, commonly referred to as the Alabama Immigration Law, is required for City of Huntsville, Alabama contracts that are competitively bid as a condition of the contract performance. The Contractor shall submit in the bid package, with the requested information included on the form, the "City of Huntsville, Alabama Report of Ownership Form" listed in this document as Attachment "H". The bidder selected for award of the contract may be required to complete additional forms relating to citizenship or alien status of the bidder and its employees, including e-verify information, prior to award of a contract.

#### **45. SUCCESSORS AND ASSIGNS**

The Owner and Contractor bind themselves, their successors and assigns to the other party hereto and to successors and assigns of such other party in respect to covenants, agreements, and obligations contained in this Contract. The Contractor shall not assign this Contract without written consent of the Owner. In no event shall a contract be assigned to an unsuccessful bidder whose bid was rejected because he or she was not a responsible or responsive bidder.

#### **46. WRITTEN NOTICE**

Written notice shall be deemed to have been duly served if delivered in person to the individual or a member of the firm or entity or to an officer of the corporation for which it was intended, or if delivered at or sent by registered or certified mail to the last business address known to the party giving notice.

#### **47. RIGHTS AND REMEDIES**

Duties and obligations imposed by the Contract Documents and rights and remedies available there under shall be in addition to and not a limitation of duties, obligations, rights and remedies otherwise imposed or available by law.

No action or failure to act by the Owner, Engineer, or Contractor shall constitute a waiver of a right or duty afforded them under the Contract, nor shall such action or failure to act constitute approval of or acquiescence in a breach there under, except as may be specifically agreed in writing.

#### **48. ENTIRE AGREEMENT**

This Contract represents the entire agreement between the Owner and the Contractor and supersedes all prior communications, negotiations, representations or agreements, either written or oral. This agreement may be amended only by written instrument signed by both Owner and Contractor.



# HUNTSVILLE

Kathy Martin, P.E.  
Director  
City Engineer

Urban Development Department  
Engineering Division

## **PERIODIC BID FOR VARIOUS CONSTRUCTION-2021**

**Project No. 71-22-SP06**

**December 7, 2021**

### **Addendum #1**

## **IMPORTANT changes to project bid dates.**

**Deadline for Contractor's questions will be Tuesday, December 14, 2021, by 5:00 p.m.**

**Answers to Contractor's questions will be Wednesday, December 15, 2021, by 5:00 p.m.**

**Bid Opening date remains Friday, December 17, 2021, at 10:00 a.m.**

- **Wayfinding Signage Specifications and Map of Current Wayfinding Signage Placement has been posted to the Engineering Department's website.**

**Addenda will only be emailed to those bidders who attend and have signed in at the pre-bid meeting. All addenda, as well as other project information, are available for downloading on Engineering's website at [www.huntsvilleal.gov/engineeringbids](http://www.huntsvilleal.gov/engineeringbids). Acknowledgement of receipt/download from website of addenda is mandatory using Attachment "C" located in the Specifications and attachment must be submitted with bid package. Failure to do so shall be cause for rejection of the bid. It is the responsibility of all bidders to refer to the website for any updates. The attached pre-bid meeting minutes, all addenda and attachments for the above-referenced project will become part of the contract documents.**

**END OF ADDENDUM #1**

**The Star of Alabama**





# HUNTSVILLE

Kathy Martin, P.E.  
Director  
City Engineer

Urban Development Department  
Engineering Division

## **PERIODIC BID FOR VARIOUS CONSTRUCTION-2021**

**Project No. 71-22-SP06**

**December 8, 2021**

### **Addendum #2**

#### **Clarifications:**

- **Reminder of the question/answer deadline date changes as sent in Addendum No. 1.**

**Deadline for Contractor's questions will be Tuesday, December 14, 2021, by 5:00 p.m.**

**Answers to Contractor's questions will be Wednesday, December 15, 2021, by 5:00 p.m.**

**Bid Opening date remains Friday, December 17, 2021, at 10:00 a.m.**

- **No pedestrian bridge pay item will be added.**

**Addenda will only be emailed to those bidders who attend and have signed in at the pre-bid meeting. All addenda, as well as other project information, are available for downloading on Engineering's website at [www.huntsvilleal.gov/engineeringbids](http://www.huntsvilleal.gov/engineeringbids). Acknowledgement of receipt/download from website of addenda is mandatory using Attachment "C" located in the Specifications and attachment must be submitted with bid package. Failure to do so shall be cause for rejection of the bid. It is the responsibility of all bidders to refer to the website for any updates. The attached pre-bid meeting minutes, all addenda and attachments for the above-referenced project will become part of the contract documents.**

**Attachments: Pre-Bid Meeting Minutes**

**END OF ADDENDUM #2**

**The Star of Alabama**

## PRE-BID MEETING

### MINUTES

PROJECT NAME: Periodic Bid for Various Construction Projects-2021

PROJECT NUMBER: 71-22-SP06

DATE: December 7, 2021

PROJECT ENGINEER: Alan Clements

The following people were in attendance at the pre-bid meeting:

|                 |                         |
|-----------------|-------------------------|
| Chris Lovoy     | Rogers Group            |
| Matt Mullins    | Miller & Miller         |
| Steven Eakes    | SJ&L                    |
| Josh Chandler   | SJ&L                    |
| Ricky Cross     | Midsouth Paving         |
| Jeff Smith      | Midsouth Paving         |
| Jonathan Barnes | Stephens Supply         |
| Jerry White     | Trav-Ad Signs           |
| Hannah Brown    | COH Traffic Engineering |
| Angela Gurley   | COH Engineering         |
| Mary Ridgeway   | COH Engineering         |
| Alan Clements   | COH Engineering         |
| Bill Foshee     | COH Engineering         |

1. Introduction of all persons present
2. Work Description (Project Scope)

The purpose of this periodic bid for various construction projects is to provide for the expedient construction of roadway, drainage and other projects as designated by the City of Huntsville, utilizing unit prices for the commonly performed contractor work items. Construction of these projects is intended to be performed within the shortest possible time frame with the work beginning and ending on dates selected by the City of Huntsville for each work authorization. Failure to comply with the times specified in the Notice to Proceed (NTP) may, in the sole determination of the City of Huntsville, result in the contractor being prohibited

from bidding on additional work for the City of Huntsville, until such time as contractor is back on schedule.

This is one of the City's most important projects. There are periodic projects to be done continuously. It takes a good commitment from the Contractor to make the projects happen. No matter how big or small, all the projects are important for various reasons. A lot of times it is for safety reasons.

Also included in this bid is the repair, replacement and installation of wayfinding signs in the downtown area. Alan said this is a rehab or refacing of the signs. Hannah said there several things included in the contract. She said most of the complaints Traffic Engineering gets is the sign faces are peeling or chipping. She said they had consulted with several local groups on how that needed to be done and it was determined that the signs would have to be taken down and resurfaced. She said they have also had complaints that the back of the signs were not in spec. The backs were exposed. There is no paint or anything on it. The City wants that enclosed. She said it is detailed in the details on how the City would like that done. The City wants the backs painted to match the front of the signs. She said the details include the information on the paint colors and types. She said also, if the City wants to add new signs, there are items in the bid for that. She said the galvanized poles are included in the quantities also. She said if the poles have been hit, they would need to be remounted and put back. Hannah said they signs were not built to spec when they were originally put in. She said that has been a lot of the problem. She said the fasteners called out in the specs should be adequate to hold the signs in place, but they have not been. There have been many signs blown around backwards or falling off. She said those would need to be built to specs. Alan said Knight Signs put the signs up originally. He asked if the work described in the items is peeling off the front? He asked how that would work. He said he also saw monuments in the quantities. Hannah said there are only three (3) monuments and she does not anticipate any more being added. She said they have not had a problem with the monuments. She said they do not need the contractor to dig up the foundation of the pole unless it has been knocked over. She said most of the problems have been with face of the signs and the fasteners that hold the face to the poles. Alan said we are reusing what can be reused. Alan asked what the process was. Hannah said it is called out, but Trav-Ad could probably describe it better. Trav-Ad said it is a complete overlay. In some cases, it would be a new panel. It would be a complete refurbish.

Alan said there would be a new item added for RCP arched pipe.

This is a one (1) year contract with the option to renew for up to two (2) additional years.

3. Permits (Provide copies of all permits as part of the Contract)

Generally the projects that are done using the Periodic Bid are small (the average periodic is under \$50,000 and involves approximately ½ acre) and do not cover a large enough area to require permits from the State or the Corps of Engineers. If there is a project that requires a State Permit for performing work on State Right-of-Way or a Corps of Engineer permit, then the City of Huntsville will acquire the applicable permit before the Contractor work begins. For projects that require an ADEM permit, the City will be responsible for acquiring the permit.

4. Utility Project Notification

Before any work begins on each Periodic Bid Project, the Contractor will be responsible for calling line locates and contacting utility representatives to locate and mark underground utilities. Where there are possible conflicts between the required construction and existing underground utilities, the Contractor will contact the appropriate utility company and meet at the job site to discuss plans for protecting, avoiding or relocating/adjusting the utility line. The cost for relocating the water or sewer line is not included in the bid price.

If only extra time is involved and no extra line items, the Contractor will not receive extra compensation. Work for the utilities is to be relocated by the Utilities; if Contractor has to perform work associated with the utility relocation, we will pay with the items and the quantities set up in the periodic.

5. Right-of-Way

- a. Status of ROW or easement acquisition
- b. Property Owner information and notification

6. Conflicting Projects

7. Schedule of Work

- a. Critical Path
- b. Need by first payment
- c. Owner reserves the right to withhold payment if work is more than 25% behind schedule

8. Project Details (Plans, Specs, Special Provisions, Quantities, Dates)

- a. Review plan sheets –N/A
- b. Review Special Provisions and Specifications
- c. Reference State or City Standard Specifications
- d. Enforce ADA Standards for ROW construction.
- e. Contractor responsible for repair and maintenance of any trench cuts with hot mix asphalt.
- f. State of Alabama License Classification required – (HS) Highways & Streets or (MU) Municipal & Utility

Introduction and explanation of any revisions to Supplement to General Requirements – specifically detail the following:

46. SHOP DRAWINGS

The approval of shop drawings by the Engineer will cover only the features of the design and in no case shall this approval be considered to cover error or omissions in shop details or a check of any dimensions. The Contractor shall be responsible for the accuracy of the shop drawings, the fabrication of materials and the fit of all connections; and he shall bear the cost of all extra work in erection caused by errors in shop drawings or in fabrication, inaccurate workmanship, misfits of connections or for any changes in fabrication necessary. No work shall be done on the material before the shop drawings have been approved. Any material that the Contractor orders prior to the approval shall be at the Contractor's risk.

Substitutions or changes whether indicated or implied on shop drawings will not be considered as changes regardless of the Engineer's approval of shop drawings unless the change has been previously submitted and approved as a change order per the requirements for changes in the contract.

After a shop drawing has been approved, no changes shall be made unless directed in writing to the Owner and acceptance by the Owner of said changes. Any acceptance of change by the Owner does not constitute a change to the contract unless that change has been approved and directed in writing per change order. Compensation for preparing and furnishing all shop and working drawings shall be included in the contract unit prices for the various pay items of work.

- g. Construction Trailer or As-Builts required – None required
- h. Contract duration – one (1) year with the option to renew for two (2) additional years
- i. Council Approval – January 13, 2022

9. Bid Sheet (Quantities)

Contractor is required to submit pricing (Attachment "A") on a CD-RW (preferably in a live/flash drive format) in the Excel format made available for download from the Engineering website. The CD-RW must be in working condition and included with original bid packet and reflect the correct revision, along with two signed hard copies. Bid must be submitted from the file (Quantities) provided and downloaded from the City of Huntsville's website. Failure to do so shall be cause for rejection of bid. The City reserves the right to reject any altered bid resulting from altering the CD in any manner. If a price discrepancy is found on the CD-RW, or the correct version of bid quantities is not submitted on the CD-RW which corresponds to the printed hard copy, then printed hard copy prices submitted with original bid documents, with Contractor signature, will prevail.



- a. Review each bid item and describe method of payment (Check reference to State Item Numbers referencing State payment methods)
- b. Provide information regarding payment method, i.e. "Payment for unclassified excavation will only be made once for movement of the same material", "DGB is to be measure for payment based on an in place area in accordance with ...."
- c. Wayfinding signs bid items:

- i. The city will notify contractor as to which signs to repair on an as needed basis. The unit bid price for each sign shall be complete in place to meet specification outlined in the attached plans and specifications to include all labor, materials and equipment to remove and replace existing sign within 10 business days of notification unless deemed an emergency by the City. Contractor is also responsible for meeting MUTCD guidelines for safe pedestrian and traffic control during their work. Contractor is responsible for all utility locates prior to performing work on site.
- ii. Contractor will also be installing new backing on each existing sign after Notice to Proceed is awarded and should be completed within 90 days. The new backing shall contain 0.125 aluminum back panel installed with counter-sunk screws and then painted to match the front of the sign. The backing of each sign type painted with Pantone 294 C
- iii. New signs shall be installed in accordance with attached plans and specifications to include new foundations, poles, labor, materials and equipment to install a new sign at any location within the City. Contractor is also responsible for meeting MUTCD guidelines for safe pedestrian and traffic control during their work. Contractor is responsible for all utility locates prior to performing work on site.
- iv. All materials, labor and workmanship on refurbished and new signs shall be guaranteed for a period of three years from acceptance unless damage is caused by an unforeseen circumstances or vandalism.
- v. Bid item for galvanized poles is complete in place and shall match existing. Painting of poles are to be by others.

## 10. Payment

The OWNER agrees to pay the contractor as follows: Payment # 1 by the OWNER shall be a partial payment to the Contractor on the basis of duly certified

and approved estimates of the total quantity of work performed by the Contractor, less five percent (5%) of the amount of such estimate, which is to be retained by the City until all advertisements of the work have been performed. Payment # 2 by the OWNER shall be made after the City has received verification that the project has been advertised per the requirements of this Contract. Liquidated damages will be deducted from all invoices when the invoice estimate period end date is later than the contract completion date. All pay requests will be submitted by hard copy and on a disk. The hard copy will be printed from the disk. The OWNER will provide the disk to the contractor. Two originals and two copies of the invoices are required before payment will be made. The disk should be submitted each month, along with the originals and copies, to Odessa Sales-Robinson in the Engineering Department. All payments to contractor will be made as soon as practical after the approval and finance processes have been completed.

11. Traffic Control – Contractor is responsible for installation and maintenance of all Traffic Control in accordance with MUTCD, latest edition.

12. Subcontractors

Any subcontractors present were given the opportunity to ask questions or discuss items with which they are concerned. The Prime Contractor should be advised that no work by a subcontractor will be permitted unless approved by contract or in writing. Attachment “D” – “Subcontractor’s Listing” in the Supplement to General Requirements for Construction of Public Improvements, City of Huntsville, Alabama has been revised and bidders are advised to pay special attention to the text and instructions listed on the attachment. Contractor shall keep the “Subcontractor’s Listing” updated throughout the project duration and submit a copy of the listing with the request for final payment. Noncompliance with this request may cause delay in payment to the Contractor.

13. Special Documentation based up Funding Requirements (i.e. Labor Payroll, etc.)

Anyone working for the Contractor, whether equipment and/or personnel, which are not the Prime Contractors and are not covered by subcontract, then it shall be understood that the Prime Contractor will be required to furnish a rental agreement for the equipment and carry personnel performing such work on his/her labor payroll.

14. Questions?

- Q: Chris Lovoy asked if there were any details for the wayfinding signs.  
 A: Hannah said those would be posted on the website after the meeting.

- Q: Chris Lovoy asked if more time could be added to put the package together.
- A: Hannah said there is a very detailed package that would be provided. Alan said he would ask about extending the time and would address that in an addendum. He said he was under the impression that the contractors had already seen the sign details and that is a lot of information that the contractors would need some time on. He said the current contract ends in March. He said we want to make sure we don't put a burden on anyone and wants to make sure the City gets a good price, so we'll see what we can do on the time.
- Q: Jerry asked if there would be a place they could go to look at those details.
- A: Hannah said they were sent to Sandi at Trav-Ad previously but would be posted to the website also. Hannah said there was also a map attached that showed the location of all the signs.
- Q: Chris asked if the Periodic would continue to work like it always has? Contractor will get a list of quantities and submit it to the City? The City issues the PO and the contractor will be upon completion? If the work lays out there for three (3) months, the contractor will not get paid until it is completed?
- A: Alan said that is correct. He said the contractor would also have to advertise for completion like is normally done.
- Q: Will the City provide any material?
- A: There is the rare occasion where the City will provide material, but for the most part it is contractor obtained.
- Q: The quantities under mobilization, is it an estimate of the amount of work that has been used in the past?
- A: Alan said no. He said the amount of the projects would change every year. He said there is no way to predict the number of each type of project.
- Q: Josh asked about the performance and payment bond? Would it have to be the amount of the contract?
- A: The specs call out for a performance and payment bond of \$500,000.00. If the contract is renewed for the second and third year, the bond must be renewed also.
- Q: How many crews are expected for the periodic bid?
- A: Alan said Rogers Group currently has two (2) crews working on periodic projects. Chris said it depends on the number of projects that are being worked on. Chris said the crews are working continuously. Alan said the City cannot guarantee that the work will be nonstop, but in years past it has been. That's why the contractor needs to be dedicating to having a continuous crew for periodic projects.
- Q: Once a PO is cut, how long does the contractor have to start on the project?
- A: Alan said he believes it is fifteen (15) days. He said it has not been an issue in the past. He said it is based on which is most important.

Q: Josh asked when the contract will start.

A: Alan said it is going to council on January 13, so it could start after that.

All questions will be answered and all clarifications made by addendum. **All addenda are sent via email to those bidders who attend and have signed in at the pre-bid meeting. Although a response to the email is optional, it is mandatory that the bidders acknowledge the receipt of each addendum, whether received via email or by downloading from the Engineering Department's website, on Attachment "C" included in the Specifications.** Acknowledgement of receipt of addenda is **mandatory** using Attachment "C" and must be submitted with bid package. Failure to do so shall be cause for rejection of the bid.

Last day for questions concerning this project before the bid will be **Thursday, December 9, 2021, by 5:00 p.m.** via fax (256) 427-5325 or email to: [mary.ridgeway@huntsvilleal.gov](mailto:mary.ridgeway@huntsvilleal.gov).

Response to contractor questions will be **Monday, December 13, 2021, by 5:00 p.m.**

**Bids open: Friday, December 17, 2021, at 10:00 a.m.** in the **1st Floor Conference Room**, 320 Fountain Circle, Huntsville, AL. All bids must be **SEALED** before submittal at the bid opening. Any bids received that are not sealed will be immediately rejected.

Dates for questions, answers and bid opening may be changed. This will be addressed in the addendum.

The pre-bid notes and all addenda shall become a part of the contract documents.

The meeting was adjourned.



# HUNTSVILLE

Kathy Martin, P.E.  
Director  
City Engineer

Urban Development Department  
Engineering Division

## **PERIODIC BID FOR VARIOUS CONSTRUCTION-2021**

**Project No. 71-22-SP06**

**December 13, 2021**

### **Addendum #3**

#### **Attachment "A" is amended as follows:**

Replace bid quantities with "replacement", **Attachment "A1"**. Please use the revised attachment to submit bid pricing; **all bids must be submitted using Attachment "A1"**. Contractors are authorized to download revised quantities from website and paste to a CD-RW (preferably in a live/flash drive format) which must be submitted with the original bid packet. In addition, two hard copies must be signed and submitted with original bid packet. Bid must be submitted from the file (Quantities) provided and downloaded from the City of Huntsville's website. Failure to do so may be cause for rejection of bid. The City reserves the right to reject any altered bid resulting from altering the bid CD in any manner. Contractors should be mindful of making changes to formatting already established in column for Bid Unit Price, as it may affect the outcome of their bid. In order to verify calculations are correct, Contractor may choose to manually multiply those unit costs x bid quantities to ensure extensions are correct, prior to printing and submitting with bid packet. If a price discrepancy is found on the CD-RW, or the correct version of bid quantities is not submitted on the CD-RW which corresponds to the printed hard copy, then printed hard copy prices submitted with original bid documents, with Contractor signature, will prevail. However, calculations must be accurate and will be verified manually.

- Any bidder who designates a change on the outside of the envelope understands that any deletions or additions designated, bidder must further indicate the particular bid item relative to the deletion or addition, even if the deletion or addition references to deduct or add to the Total Base Bid.

#### **QUANTITY REVISIONS**

##### **Add**

|     |                                                      |     |    |
|-----|------------------------------------------------------|-----|----|
| 426 | GranVille Light Fixture and Pole, Complete in Place  | 50  | EA |
| 427 | Washington Light Fixture and Pole, Complete in Place | 25  | EA |
| 428 | 45" x 73" Class III Arch Pipe                        | 200 | LF |

The Star of Alabama



**CLARIFICATIONS:**

**Catalog Number for GranVille light fixture is**

**GV 150MH MT L RAL6015 3 N S RAL6015 DTLPR202427A P-154948 NYA 12 F4C 17 P07 ABG RAL6015**

GranVille (GV) RAL6015: GV, 150W Metal Halide, Mogul Base, Multitap 120, 208, 240, 277V UL listed, Leaf Design for 3" tenon, Tiger Drylac Color, Asymmetric, Type III, No Ribs and Bands, Painted Cast Aluminum Standard Finial, Tiger Drylac Color, Photocontrol Kit with DTL photocell, finish as specified, for 208 277V North Yorkshire Aluminum Pole 17 inch Base (NYA) RAL6015: NYA, 12 feet, F4C 4 inch diameter Fluted, .125 wall, 17 inch Round Base, 3 X 3 Tenon, Anchor bolts, galvanized steel, Tiger Drylac with Philips (CDM150/U/PS/4K/ALTO) 150MH Clear Mogul "E" Pulse Start Ceramic Lamp

**Catalog Number for Washington light fixture is**

**WE 400PM MC RAL6015 S RAL6015 4 S-64321 NYS 18 FTB 17 P07 ABG RAL6015 BA COUP**

Washington Postlite Enhanced (WE) RAL6015: WE, 400W Pulse Metal Halide, Mogul Base, Multivolt 120, 208, 240, 277V Factory wired for 240V Only. UL listed, Tiger Drylac Color, Symmetric, Type V, Tiger Drylac Color, Spike Finial North Yorkshire Cast Iron & Steel Poles (NYS) RAL6015: NYS, 18 feet, Fluted Tapered, 17 inch Round, 3 X 3 Tenon, Anchor bolts, galvanized steel, Tiger Drylac Finish with Sylvania (M400/PS/U) 400MH Clear Mogul "E" Pulse Start Lamp, Transpo Breakaway Couplings, Plate, Skirt

**IMPORTANT changes to project bid dates.**

**Deadline for Contractor's questions will be Thursday, December 16, 2021, by 5:00 p.m.**

**Answers to Contractor's questions will be Friday, December 17, 2021, by 5:00 p.m.**

**Bid Opening date will be Thursday, January 6, 2022, 10:00 a.m.**

**Addenda will only be emailed to those bidders who attend and have signed in at the pre-bid meeting. All addenda, as well as other project information, are available for downloading on Engineering's website at [www.huntsvilleal.gov/engineeringbids](http://www.huntsvilleal.gov/engineeringbids). Acknowledgement of receipt/download from website of addenda is mandatory using Attachment "C" located in the Specifications and attachment must be submitted with bid package. Failure to do so shall be cause for rejection of the bid. It is the responsibility of all bidders to refer to the website for any updates. The attached pre-bid meeting minutes, all addenda and attachments for the above-referenced project will become part of the contract documents.**

**Attachments: Revised Quantities-Attachment A1  
Streetlight Foundation Detail**

**END OF ADDENDUM #3**

| ATTACHMENT "A1"                                     |                                                                                                                     |         |          |            |            | 12/13/21 |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|---------|----------|------------|------------|----------|
| Periodic Bid for Various Construction Projects-2021 |                                                                                                                     |         |          |            |            |          |
| Project No. 71-22-SP06                              |                                                                                                                     |         |          |            |            |          |
| BASE BID                                            |                                                                                                                     |         |          |            |            |          |
| ITEM #                                              | DESCRIPTION                                                                                                         | BID QTY | BID UNIT | UNIT PRICE | BID AMOUNT |          |
|                                                     | All prices include the removal and disposal, including hauling of soil and materials.                               |         |          |            |            |          |
| I. MOBILIZATION                                     |                                                                                                                     |         |          |            |            |          |
| 1                                                   | A. CONTRACT MOBILIZATION, (3% OF THE TOTAL COST OF THE WORK ORDER ADJUSTED FOR FINAL QUANTITIES)                    |         |          |            |            |          |
|                                                     | B. PROJECT MOBILIZATION                                                                                             |         |          |            |            |          |
| 2                                                   | Project Mobilization A (will be paid on projects that have a cost less than \$1,000.00)                             | 5       | EA       |            | \$0.00     |          |
| 3                                                   | Project Mobilization B (will be paid on projects that have a cost > or equal to \$1,000.00 but < than \$5,000.00)   | 10      | EA       |            | \$0.00     |          |
| 4                                                   | Project Mobilization C (will be paid on projects that have a cost > or equal to \$5,000.00 but < than \$10,000.00)  | 20      | EA       |            | \$0.00     |          |
| 5                                                   | Project Mobilization D (will be paid on projects that have a cost > or equal to \$10,000.00 but < than \$25,000.00) | 25      | EA       |            | \$0.00     |          |
| 6                                                   | Project Mobilization E (will be paid on projects that have a cost > or equal to \$25,000.00 but < than \$50,000.00) | 25      | EA       |            | \$0.00     |          |
| 7                                                   | Project Mobilization F (will be paid on projects that have a cost > or equal to \$50,000.00 but < than \$75,000.00) | 5       | EA       |            | \$0.00     |          |

|   |                                                                                                                      |   |    |  |        |
|---|----------------------------------------------------------------------------------------------------------------------|---|----|--|--------|
| 8 | Project Mobilization G (will be paid on projects that have a cost > or equal to \$75,000.00 but < than \$100,000.00) | 4 | EA |  | \$0.00 |
| 9 | Project Mobilization H (will be paid on projects that have a cost > than \$100,000.00 but < than \$200,000.00)       | 2 | EA |  | \$0.00 |

| II. STREET CONSTRUCTION |                                                                                       |       |    |  |        |
|-------------------------|---------------------------------------------------------------------------------------|-------|----|--|--------|
| 10                      | New City Std. (24") Concrete Curb and Gutter                                          | 1,000 | LF |  | \$0.00 |
| 11                      | New "N" Type Curb shown on ALDOT Drawing #623-N Special, dated 3-21-81                | 100   | LF |  | \$0.00 |
| 12                      | New (24") Concrete Valley Curb                                                        | 500   | LF |  | \$0.00 |
| 13                      | 4" Thick Concrete for new sidewalk and/or traffic islands (Less than 200 SY)          | 500   | SY |  | \$0.00 |
| 14                      | 4" Thick Concrete for new sidewalk and/or traffic islands (Between 200 SY and 500 SY) | 500   | SY |  | \$0.00 |
| 15                      | 4" Thick Concrete for new sidewalk and/or traffic islands (Between 500 SY and 750 SY) | 500   | SY |  | \$0.00 |
| 16                      | 4" Thick Concrete for new sidewalk and/or traffic islands (More than 1000 SY)         | 500   | SY |  | \$0.00 |
| 17                      | 6" Thick Concrete for new sidewalk and/or traffic islands and/or driveways            | 200   | SY |  | \$0.00 |
| 18                      | Removal of Concrete Curb and Gutter or Valley Gutter (Includes Disposal of Spoils)    | 500   | LF |  | \$0.00 |
| 19                      | Handicap Ramps, Landings and Flares (All Configurations)                              | 100   | SY |  | \$0.00 |

|    |                                                                                                                                                                                                                                                                                          |        |       |  |        |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------|--|--------|
| 20 | Handicap Ramp 6" Wide Concrete Checkwall (Height Varies 0"-6")                                                                                                                                                                                                                           | 250    | LF    |  | \$0.00 |
| 21 | Handicap Ramp DWS Armor-Tile or Approved Equal (Red)                                                                                                                                                                                                                                     | 80     | SF    |  | \$0.00 |
| 22 | Handicap Ramp DWS Concrete Paver ACME Brick Company ADA Concrete Paver Item No. 824645 (Red) or Equal                                                                                                                                                                                    | 20     | SF    |  | \$0.00 |
| 23 | New Type "N" Special Safety Noses for islands and medians as shown on ALDOT Drawing #623-N Special, dated 3-21-81 (attached) Gores and/or Noses Type "B"                                                                                                                                 | 5      | EA    |  | \$0.00 |
| 24 | New 6" Thick Concrete Driveway Aprons                                                                                                                                                                                                                                                    | 80     | SY    |  | \$0.00 |
| 25 | Removal of Driveway Aprons                                                                                                                                                                                                                                                               | 80     | SY    |  | \$0.00 |
| 26 | New 4" Thick Concrete Driveway with 6X6W 2.9 reinforcing wire mesh                                                                                                                                                                                                                       | 80     | SY    |  | \$0.00 |
| 27 | New Standard Median Curb (COH Standard Drawing No. ST-202)                                                                                                                                                                                                                               | 50     | LF    |  | \$0.00 |
| 28 | Removal and Replacement of Single Wing "S" Type Inlet, Top Only, (COH Standard Drawing Nos. DR-120A, DR-120B, and DR-120C - ALL referenced DR Drawings found in the City of Huntsville Engineering Standards for Construction of Public Improvements 1991); Includes Disposal of Spoils) | 30     | EA    |  | \$0.00 |
| 29 | Removal and Replacement of Double Wing "S" Type Inlet, Top Only, (COH Standard Drawing Nos. DR-120A, DR-120B, and DR-120C; Includes Disposal of Spoils)                                                                                                                                  | 30     | EA    |  | \$0.00 |
| 30 | Removal of asphalt paving, other than by milling, per sq.yd./in. of thickness (Includes Disposal of Spoils)                                                                                                                                                                              | 10,000 | SY-IN |  | \$0.00 |



|    |                                                                                                                                                                                                            |        |       |  |        |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------|--|--------|
| 31 | Milling of Existing Asphalt Pavement (per square yard / inch of depth) - less than 100 SY                                                                                                                  | 10,000 | SY-IN |  | \$0.00 |
| 32 | Milling of Existing Asphalt Pavement (per square yard / inch of depth) - over 100 SY                                                                                                                       | 10,000 | SY-IN |  | \$0.00 |
| 33 | Removal of concrete sidewalk and concrete driveways (Includes Disposal of Spoils)                                                                                                                          | 500    | SY-IN |  | \$0.00 |
| 34 | Plant Mix Bituminous Base for Street Repair (trenches and patching) per ton in place in accordance with Section 327 per Standard Specifications, ALDOT                                                     | 100    | TONS  |  | \$0.00 |
| 35 | Plant Mix Bituminous Wearing Course for Street Repair (trenches and patching), per ton in place in accordance with Section 410 Standard Specifications, ALDOT                                              | 100    | TONS  |  | \$0.00 |
| 36 | Graded limestone rock for stabilization of roadway, subgrade. Price includes delivery of material to job site, dumping, spreading, and compacting. (delivery tickets)                                      | 5,000  | TONS  |  | \$0.00 |
| 37 | Manhole Risers                                                                                                                                                                                             | 10     | EA    |  | \$0.00 |
| 38 | 420A Polymer Modified Open Graded Friction Course, 90 Lbs/SY To Include Tack                                                                                                                               | 100    | TON   |  | \$0.00 |
| 39 | 424-C Superpave Bituminous Concrete Base Layer Leveling, 3/8" Maximum Aggregate Size, ESAL Range C/D                                                                                                       | 100    | TONS  |  | \$0.00 |
| 40 | Dense Graded Base, placed in accordance with Section 301 of the Standard Specifications, ALDOT. All materials shall be in accordance with Section 825, Type B, 100% compaction. Bid to include excavation. | 2,000  | TONS  |  | \$0.00 |



|    |                                                                                                                                                                                                                                                              |       |      |  |        |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------|--|--------|
| 41 | 424-A Superpave Bituminous Concrete Wearing Surface Layer - 3/8" Maximum Aggregate Size Mix ESAL Range C/D (Asphalt Spreader Equipment)                                                                                                                      | 1,000 | TONS |  | \$0.00 |
| 42 | 424-B Superpave Bituminous Concrete Binder Upper Layer - 1" Maximum Aggregate Size Mix, ESAL Range C/D (Asphalt Spreader Equipment)                                                                                                                          | 1,000 | TONS |  | \$0.00 |
| 43 | Dense Graded Base Material - placed and compacted along roadway shoulder. Price includes delivery of material to job site, dumping, spreading, and compacting (delivery tickets required). Traffic Control not included under this item. - LESS THAN 50 TONS | 100   | TONS |  | \$0.00 |
| 44 | Dense Graded Base Material - placed and compacted along roadway shoulder. Price includes delivery of material to job site, dumping, spreading, and compacting (delivery tickets required). Traffic Control not included under this item. 50-100 TONS         | 200   | TONS |  | \$0.00 |
| 45 | Dense Graded Base Material - placed and compacted along roadway shoulder. Price includes delivery of material to job site, dumping, spreading, and compacting (delivery tickets required). Traffic Control not included under this item. OVER 100 TONS       | 400   | TONS |  | \$0.00 |

| III. DRAINAGE CONSTRUCTION                                                             |                                                                                 |     |    |  |        |
|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-----|----|--|--------|
| A. EXCAVATION PER SECTION 105 COH STANDARDS                                            |                                                                                 |     |    |  |        |
| 1. Channel Excavation (measured in its original position computed by average end area) |                                                                                 |     |    |  |        |
| 46                                                                                     | Less than 200 Cubic Yards                                                       | 100 | CY |  | \$0.00 |
| 47                                                                                     | 200 - 500 Cubic Yards                                                           | 350 | CY |  | \$0.00 |
| 48                                                                                     | 2. Solid Rock Excavation (trench and channel rock; Includes Disposal of Spoils) | 60  | CY |  | \$0.00 |

|    |  |                                                                                                                                                                               |        |      |  |  |  |        |  |
|----|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------|--|--|--|--------|--|
|    |  | 3. Unclassified Excavation (includes removal and disposal from job site and/or reusing material at job site as backfill, fill, or topsoil, placed and compacted as directed). |        |      |  |  |  |        |  |
| 49 |  | Less than 200 Cubic Yards                                                                                                                                                     | 10,000 | CY   |  |  |  | \$0.00 |  |
| 50 |  | 200 - 500 Cubic Yards                                                                                                                                                         | 10,000 | CY   |  |  |  | \$0.00 |  |
| 51 |  | Over 500 Cubic Yards                                                                                                                                                          | 10,000 | CY   |  |  |  | \$0.00 |  |
|    |  | 4. Borrow Excavation, In Place Measurement                                                                                                                                    |        |      |  |  |  |        |  |
| 52 |  | Less than 200 Cubic Yards, in place measurement                                                                                                                               | 5,000  | CY   |  |  |  | \$0.00 |  |
| 53 |  | 200 - 500 Cubic Yards, in place measurement                                                                                                                                   | 5,000  | CY   |  |  |  | \$0.00 |  |
| 54 |  | Over 500 Cubic Yards, in place measurement                                                                                                                                    | 5,000  | CY   |  |  |  | \$0.00 |  |
|    |  | <b>B. STONE RIP RAP CONSTRUCTION</b>                                                                                                                                          |        |      |  |  |  |        |  |
| 55 |  | 1. Stone obtained from jobsite and placed on ditch side slopes and/or in ditch bottom, 12" thick min.                                                                         | 30     | SY   |  |  |  | \$0.00 |  |
|    |  | 2. Stone hauled in and placed on ditch side slopes and/or in ditch bottom,                                                                                                    |        |      |  |  |  |        |  |
| 56 |  | Class 1 Rip Rap (Less than 200 Tons)                                                                                                                                          | 100    | TONS |  |  |  | \$0.00 |  |
| 57 |  | Class 1 Rip Rap (200 Tons or More)                                                                                                                                            | 300    | TONS |  |  |  | \$0.00 |  |
| 58 |  | Class 2 Rip Rap (Less than 200 Tons)                                                                                                                                          | 100    | TONS |  |  |  | \$0.00 |  |
| 59 |  | Class 2 Rip Rap (200 Tons or More)                                                                                                                                            | 300    | TONS |  |  |  | \$0.00 |  |

|    |  |                                                                                                                                                                                                 |     |      |  |  |  |        |  |
|----|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|--|--|--|--------|--|
|    |  |                                                                                                                                                                                                 |     |      |  |  |  |        |  |
|    |  | 3. Stone Riprap (grouted in place)<br>Type II Placement, Type II Finish                                                                                                                         |     |      |  |  |  |        |  |
| 60 |  | Class 1 Riprap, 12" thick min. (Less than 200 Tons)                                                                                                                                             | 100 | TONS |  |  |  | \$0.00 |  |
| 61 |  | Class 1 Riprap, 12" thick min. (200 Tons or More)                                                                                                                                               | 300 | TONS |  |  |  | \$0.00 |  |
| 62 |  | Class 2 Riprap (Less than 200 Tons)                                                                                                                                                             | 100 | TONS |  |  |  | \$0.00 |  |
| 63 |  | Class 2 Riprap (200 Tons or More)                                                                                                                                                               | 300 | TONS |  |  |  | \$0.00 |  |
| 64 |  | 4. Filter Fabric Blanket, Section 610 of ALDOT Specs                                                                                                                                            | 166 | SY   |  |  |  | \$0.00 |  |
|    |  | C. MISCELLANEOUS CONCRETE AND REINFORCING STEEL BARS                                                                                                                                            |     |      |  |  |  |        |  |
| 65 |  | Unreinforced Concrete (includes forming, pouring, finishing, complete-in-place)                                                                                                                 | 25  | CY   |  |  |  | \$0.00 |  |
| 66 |  | Reinforced Concrete (includes forming, pouring, finishing, steel reinforcement, complete-in-place).                                                                                             | 25  | CY   |  |  |  | \$0.00 |  |
| 67 |  | Concrete Flume (City of Huntsville Standard Drawing No. DR-161) *Price per square yard of surface area includes all reinforcement, joints, and miscellaneous items shown in the detail drawing. | 500 | SY   |  |  |  | \$0.00 |  |
| 68 |  | Concrete for Box Culvert and Wing Walls (Includes forming, steel reinforcement, pouring, and finishing, complete -in-place)                                                                     | 250 | CY   |  |  |  | \$0.00 |  |

|                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                     |     |    |  |        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|--|--------|
| 69                                                                                                                                                                                | Reinforced Concrete Slope Paving with 4" Thick Gravel Base (City of Huntsville Standard Drawing Nos. DR-164A, DR-164B, DR-164C, DR-164D, and DR-164E *Price per square yard of surface area includes all reinforcement, joints, weep holes, filter fabric, and miscellaneous items shown on the detail drawings. (Less than 200 SY) | 199 | SY |  | \$0.00 |
| 70                                                                                                                                                                                | Reinforced Concrete Slope Paving with 4" Thick Gravel Base (City of Huntsville Standard Drawing Nos. DR-164A, DR-164B, DR-164C, DR-164D, and DR-164E *Price per square yard of surface area includes all reinforcement, joints, weep holes, filter fabric, and miscellaneous items shown on the detail drawings. (200 SY or More)   | 300 | SY |  | \$0.00 |
| <b>D. NEW REINFORCED ROUND CONCRETE PIPE INSTALLED IN PLACE, PER LF (INCLUDES EXCAVATION DISPOSAL OF SPOILS, 6" STONE BEDDING, SOIL FROM EXCAVATION, BACKFILL AND COMPACTION)</b> |                                                                                                                                                                                                                                                                                                                                     |     |    |  |        |
| 71                                                                                                                                                                                | 15" Class III R.C. Pipe, 0' - 8' depth                                                                                                                                                                                                                                                                                              | 800 | LF |  | \$0.00 |
| 72                                                                                                                                                                                | 15" Class III R.C. Pipe, 0' - 8' depth (Labor Only- COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation)                                                                                                                        | 800 | LF |  | \$0.00 |
| 73                                                                                                                                                                                | 18" Class III R.C. Pipe, 0' - 8' depth                                                                                                                                                                                                                                                                                              | 800 | LF |  | \$0.00 |
| 74                                                                                                                                                                                | 18" Class III R.C. Pipe, 0' - 8' depth (Labor Only- COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation)                                                                                                                        | 800 | LF |  | \$0.00 |



|    |                                                                                                                                                                                                              |     |    |  |        |
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| 75 | 24" Class III R.C. Pipe, 0' - 8' depth                                                                                                                                                                       | 480 | LF |  | \$0.00 |
| 76 | 24" Class III R.C. Pipe, 0' - 8' depth (Labor Only- COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation) | 480 | LF |  | \$0.00 |
| 77 | 30" Class III R.C. Pipe, 0' - 8' depth                                                                                                                                                                       | 400 | LF |  | \$0.00 |
| 78 | 30" Class III R.C. Pipe, 0' - 8' depth (Labor Only- COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation) | 400 | LF |  | \$0.00 |
| 79 | 36" Class III R.C. Pipe, 0' - 8' depth                                                                                                                                                                       | 88  | LF |  | \$0.00 |
| 80 | 36" Class III R.C. Pipe, 0' - 8' depth (Labor Only- COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation) | 88  | LF |  | \$0.00 |
| 81 | 42" Class III R.C. Pipe, 0' - 8' depth                                                                                                                                                                       | 60  | LF |  | \$0.00 |
| 82 | 42" Class III R.C. Pipe, 0' - 8' depth (Labor Only- COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation) | 60  | LF |  | \$0.00 |
| 83 | 48" Class III R.C. Pipe, 0' - 8' depth                                                                                                                                                                       | 60  | LF |  | \$0.00 |
| 84 | 48" Class III R.C. Pipe, 0' - 8' depth (Labor Only- COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation) | 60  | LF |  | \$0.00 |
| 85 | 54" Class III R.C. Pipe, 0' - 8' depth                                                                                                                                                                       | 60  | LF |  | \$0.00 |



|                                                                                                                                                                      |                                                                                                                                                                                                              |    |    |  |        |
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| 86                                                                                                                                                                   | 54" Class III R.C. Pipe, 0' - 8' depth (Labor Only- COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation) | 60 | LF |  | \$0.00 |
| 87                                                                                                                                                                   | 60" Class III R.C. Pipe, 0' - 8' depth                                                                                                                                                                       | 60 | LF |  | \$0.00 |
| 88                                                                                                                                                                   | 60" Class III R.C. Pipe, 0' - 8' depth (Labor Only- COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation) | 60 | LF |  | \$0.00 |
| 89                                                                                                                                                                   | 66" Class III R.C. Pipe, 0' - 8' depth                                                                                                                                                                       | 60 | LF |  | \$0.00 |
| 90                                                                                                                                                                   | 66" Class III R.C. Pipe, 0' - 8' depth (Labor Only- COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation) | 60 | LF |  | \$0.00 |
| 91                                                                                                                                                                   | 72" Class III R.C. Pipe, 0' - 8' depth                                                                                                                                                                       | 60 | LF |  | \$0.00 |
| 92                                                                                                                                                                   | 72" Class III R.C. Pipe, 0' - 8' depth (Labor Only- COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation) | 60 | LF |  | \$0.00 |
| E. NEW REINFORCED CL III CONCRETE ARCH PIPE INSTALLED IN PLACE PER LF (INCLUDES DISPOSAL OF SPOILS, 6" STONE BEDDING, SOIL FROM EXCAVATION, BACKFILL AND COMPACTION) |                                                                                                                                                                                                              |    |    |  |        |
| 93                                                                                                                                                                   | 11" X 18" Class III R.C. Arch Pipe, 0' - 8' depth                                                                                                                                                            | 60 | LF |  | \$0.00 |

|     |                                                                                                                                                                                                                                   |    |    |  |        |
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| 94  | 11" X 18" Class III R.C. Arch Pipe, 0' - 8' depth<br>(Labor Only-COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation)         | 60 | LF |  | \$0.00 |
| 95  | 13" x 22" Class III R.C. Arch Pipe, 0' - 8' depth                                                                                                                                                                                 | 60 | LF |  | \$0.00 |
| 96  | 13" x 22" Class III R.C. Arch Pipe, 0' - 8' depth<br>(Labor Only-COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation)         | 60 | LF |  | \$0.00 |
| 97  | 18" x 29" Class III R.C. Arch Pipe, 0' - 8' depth                                                                                                                                                                                 | 60 | LF |  | \$0.00 |
| 98  | 18" x 29" Class III R.C. Arch Pipe, 0' - 8' depth<br>(Labor Only-COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation)         | 60 | LF |  | \$0.00 |
| 99  | 22-1/2" x 36-1/4" Class III R.C. Arch Pipe, 0' - 8' depth                                                                                                                                                                         | 60 | LF |  | \$0.00 |
| 100 | 22-1/2" x 36-1/4" Class III R.C. Arch Pipe, 0' - 8' depth<br>(Labor Only-COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation) | 60 | LF |  | \$0.00 |
| 101 | 26-5/8" x 43-3/4" Class III R.C. Arch Pipe, 0' - 8' depth                                                                                                                                                                         | 60 | LF |  | \$0.00 |
| 102 | 26-5/8" x 43-3/4" Class III R.C. Arch Pipe, 0' - 8' depth<br>(Labor Only-COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation) | 60 | LF |  | \$0.00 |

|                                                                                                                                                           |                                                                                                                                                                                                                                   |    |    |  |  |        |
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| 103                                                                                                                                                       | 31'-5/16" x 51'-1/8" Class III R.C. Arch Pipe, 0' - 8' depth                                                                                                                                                                      | 60 | LF |  |  | \$0.00 |
| 104                                                                                                                                                       | 31'-5/16" x 51'-1/8" Class III R.C. Arch Pipe, 0' - 8' depth (Labor Only-COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation) | 60 | LF |  |  | \$0.00 |
| 105                                                                                                                                                       | 36" x 58" Class III R.C. Arch Pipe, 0' - 8' depth                                                                                                                                                                                 | 60 | LF |  |  | \$0.00 |
| 106                                                                                                                                                       | 36" x 58" Class III R.C. Arch Pipe, 0' - 8' depth (Labor Only-COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation)            | 60 | LF |  |  | \$0.00 |
| 107                                                                                                                                                       | 40" x 65" Class III R.C. Arch Pipe, 0' - 8' depth                                                                                                                                                                                 | 60 | LF |  |  | \$0.00 |
| 108                                                                                                                                                       | 40" x 65" Class III R.C. Arch Pipe, 0' - 8' depth (Labor Only-COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation)            | 60 | LF |  |  | \$0.00 |
| F. NEW PRECAST FLARED PIPE END SECTIONS (TYPE I) INSTALLED IN PLACE (INCLUDES DISPOSAL OF SPOILS, BEDDING, SOIL FROM EXCAVATION, BACKFILL AND COMPACTION) |                                                                                                                                                                                                                                   |    |    |  |  |        |
| 109                                                                                                                                                       | 15" Flared End Section                                                                                                                                                                                                            | 10 | EA |  |  | \$0.00 |
| 110                                                                                                                                                       | 18" Flared End Section                                                                                                                                                                                                            | 10 | EA |  |  | \$0.00 |
| 111                                                                                                                                                       | 24" Flared End Section                                                                                                                                                                                                            | 10 | EA |  |  | \$0.00 |
| 112                                                                                                                                                       | 30" Flared End Section                                                                                                                                                                                                            | 5  | EA |  |  | \$0.00 |

|     |                                                                                       |  |    |    |  |  |        |
|-----|---------------------------------------------------------------------------------------|--|----|----|--|--|--------|
| 113 | 36" Flared End Section                                                                |  | 5  | EA |  |  | \$0.00 |
| 114 | 42" Flared End Section                                                                |  | 5  | EA |  |  | \$0.00 |
|     | G. CONSTRUCTION OF SINGLE "S" INLET,<br>(DRAWING NOS. DR-120A, DR-120B, DR-120C)      |  |    |    |  |  |        |
| 115 | Standard Size, 4'-0" x 4'-6" Box and 8'-6" wing, (0'-6' depth)                        |  | 10 | EA |  |  | \$0.00 |
|     | H. CONSTRUCTION OF DOUBLE "S" TYPE<br>INLET, (DRAWING NOS. DR-120A, DR-120B, DR-120C) |  |    |    |  |  |        |
| 116 | Standard Size, 4'-0" x 4'-6" Box and 8'-6" wing, (0'-6' depth)                        |  | 4  | EA |  |  | \$0.00 |
|     | I. CONSTRUCTION OF SINGLE CURB INLET<br>(DRAWING NOS. DR-105A, DR-105B)               |  |    |    |  |  |        |
| 117 | Standard Size, (0'-6' depth)                                                          |  | 4  | EA |  |  | \$0.00 |
|     | J. CONSTRUCTION OF DOUBLE CURB INLET,<br>(DRAWING NOS. DR-110A AND DR-110B)           |  |    |    |  |  |        |
| 118 | Standard Size, (0'-6' depth)                                                          |  | 4  | EA |  |  | \$0.00 |
|     | K. CONSTRUCTION OF OPEN THROAT<br>INLET, (DRAWING NOS. DR-127A, DR-127B, DR-127C)     |  |    |    |  |  |        |
| 119 | Standard Size, (4'-4" x 4'-4" Box, 0'-6' depth)                                       |  | 10 | EA |  |  | \$0.00 |
|     | L. CONSTRUCTION OF OPEN THROAT<br>INLET, (TYPE "M"). See Attachment "N" for Detail.   |  |    |    |  |  |        |
| 120 | Standard Size (4'-9" x 4' Box, 0'-6' depth)                                           |  | 4  | EA |  |  | \$0.00 |



|     |                                                                                      |   |    |  |        |  |
|-----|--------------------------------------------------------------------------------------|---|----|--|--------|--|
|     | M. CONSTRUCTION OF OPEN THROAT INLET, (TYPE "C"). See Attachment "M" for Detail.     |   |    |  |        |  |
| 121 | Standard Size (4'-9" x 4' Box, 0'-6' depth)                                          | 4 | EA |  | \$0.00 |  |
|     | N. CONSTRUCTION OF GRATE INLET, TRAFFIC TYPE (DRAWING NOS. DR-125A AND DR-125B)      |   |    |  |        |  |
| 122 | Standard Size, (3'-6" x 3'-6" Box, 0'-6' depth)                                      | 5 | EA |  | \$0.00 |  |
|     | O. CONSTRUCTION OF GRATE INLET TRAFFIC TYPE (DRAWING NOS. DR-125C, AND DR-125D)      |   |    |  |        |  |
| 123 | Standard Size (6'-0" x 5'-0" Box, 0'-6' deep)                                        | 2 | EA |  | \$0.00 |  |
|     | P. CONSTRUCTION OF GRATE INLET, NON-TRAFFIC TYPE (DRAWING NOS. DR-126A AND DR-126B)  |   |    |  |        |  |
| 124 | Standard Size, (3'-6" x 3'-6" Box, 0'-6' depth)                                      | 4 | EA |  | \$0.00 |  |
|     | Q. CONSTRUCTION OF GRATE INLET, NON-TRAFFIC TYPE (DRAWING NOS. DR-126C, and DR-126D) |   |    |  |        |  |
| 125 | Standard Size (6' x 5' Box, 0'-6' deep)                                              | 2 | EA |  | \$0.00 |  |
|     | R. CONSTRUCTION OF JUNCTION BOX, TRAFFIC TYPE (DRAWING NOS. DR-140A AND DR-140B)     |   |    |  |        |  |
| 126 | Standard Size (3'-6" x 3'-6" Box, 0'-6' depth)                                       | 4 | EA |  | \$0.00 |  |
|     | S. CONSTRUCTION OF JUNCTION BOX, TRAFFIC TYPE (DRAWING NOS. DR-141A AND DR-141B)     |   |    |  |        |  |
| 127 | Standard Size (6'-0" x 5'-0" Box, 0'-6' deep)                                        | 2 | EA |  | \$0.00 |  |



|     |  | <b>T. TIE IN EXISTING PIPE TO NEW DRAINAGE BOX</b>                                                  |    |    |  |        |
|-----|--|-----------------------------------------------------------------------------------------------------|----|----|--|--------|
| 128 |  | Up to 24" diameter or width                                                                         | 11 | EA |  | \$0.00 |
| 129 |  | 30" to 48" diameter or width                                                                        | 3  | EA |  | \$0.00 |
| 130 |  | Over 48" diameter or width                                                                          | 2  | EA |  | \$0.00 |
|     |  | <b>U. DRAINAGE BOXES ADDED WIDTHS AND DEPTHS</b>                                                    |    |    |  |        |
| 131 |  | Additional 0.5' of width, price each (for all boxes) - Items #G, H, I, J, K, L, M, N, O, P, Q, R, S | 40 | EA |  | \$0.00 |
| 132 |  | Additional 0.5' of depth, price each (for all boxes) Items #G, H, I, J, K, L, M, N, O, P, Q, R, S   | 5  | EA |  | \$0.00 |
|     |  | <b>V. CONSTRUCTION OF CONCRETE HEADWALL (DRAWING NOS. DR-150A, DR-150B)</b>                         |    |    |  |        |
| 133 |  | 12" or 15" pipe                                                                                     | 1  | EA |  | \$0.00 |
| 134 |  | 18" pipe                                                                                            | 1  | EA |  | \$0.00 |
| 135 |  | 24" pipe                                                                                            | 1  | EA |  | \$0.00 |
| 136 |  | 30" pipe                                                                                            | 1  | EA |  | \$0.00 |
| 137 |  | 36" pipe                                                                                            | 1  | EA |  | \$0.00 |
| 138 |  | 42" pipe                                                                                            | 1  | EA |  | \$0.00 |
| 139 |  | 48" pipe                                                                                            | 1  | EA |  | \$0.00 |

|     |                                                                                                                                                                                             |    |    |  |  |  |  |        |  |
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|     | W. CONSTRUCTION OF HEADWALL FOR<br>DOUBLE PIPE (DRAWING NOS. DR-151A,<br>DR-151B)                                                                                                           |    |    |  |  |  |  |        |  |
| 140 | 18" pipe                                                                                                                                                                                    | 1  | EA |  |  |  |  | \$0.00 |  |
| 141 | 24" pipe                                                                                                                                                                                    | 1  | EA |  |  |  |  | \$0.00 |  |
| 142 | 30" pipe                                                                                                                                                                                    | 1  | EA |  |  |  |  | \$0.00 |  |
| 143 | 36" pipe                                                                                                                                                                                    | 1  | EA |  |  |  |  | \$0.00 |  |
| 144 | 42" pipe                                                                                                                                                                                    | 1  | EA |  |  |  |  | \$0.00 |  |
| 145 | 48" pipe                                                                                                                                                                                    | 1  | EA |  |  |  |  | \$0.00 |  |
| 146 | X. SLOPE PAVED HEADWALLS FOR PIPE,<br>PRICE PER SQUARE YARD OF EXPOSED<br>SURFACE. (DRAWING NOS. DR-152A,<br>DR-152B, DR-152C, DR-153A, DR-153B,<br>DR-153C, DR-153D)                       | 21 | SY |  |  |  |  | \$0.00 |  |
|     | Y. TRENCH DRAIN CHANNELS AND GRATES                                                                                                                                                         |    |    |  |  |  |  |        |  |
| 147 | Trench Grate with sloped channel includes forming,<br>concrete, and all materials, complete in place (see<br>attachment P)                                                                  | 30 | LF |  |  |  |  | \$0.00 |  |
| 148 | Trench Grate with Flat channel including 12" wide<br>(traffic) gray iron (class 30) slotted grate includes<br>forming, concrete, and all materials, complete in<br>place (see attachment O) | 30 | LF |  |  |  |  | \$0.00 |  |
| 149 | Tie Ins - Channels to existing drainage structure<br>(pipe or box)                                                                                                                          | 10 | EA |  |  |  |  | \$0.00 |  |
| 150 | Heavy Duty Vane Type Grate Inlet including frame<br>(Neenah R-4999-L3, or equal)                                                                                                            | 26 | LF |  |  |  |  | \$0.00 |  |

|     |                                                                                                                                                                                                                                                                                                                                       |     |    |  |        |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|--|--------|
| 151 | Concrete Trench for Heavy Duty Vane Type Grate, 12" trench width, depth 12" - 18". Construction and installation per manufacturer's recommendations                                                                                                                                                                                   | 26  | LF |  | \$0.00 |
|     | Z. SAFETY GRATES FOR FLARED END PIPE SECTIONS, CROSSING UNDER ROADWAY                                                                                                                                                                                                                                                                 |     |    |  |        |
| 152 | 24" Flared End Pipe Section                                                                                                                                                                                                                                                                                                           | 10  | EA |  | \$0.00 |
| 153 | 30" Flared End Pipe Section                                                                                                                                                                                                                                                                                                           | 10  | EA |  | \$0.00 |
| 154 | 36" Flared End Pipe Section                                                                                                                                                                                                                                                                                                           | 10  | EA |  | \$0.00 |
| 155 | 42" Flared End Pipe Section                                                                                                                                                                                                                                                                                                           | 10  | EA |  | \$0.00 |
| 156 | 48" Flared End Pipe Section                                                                                                                                                                                                                                                                                                           | 10  | EA |  | \$0.00 |
| 157 | 54" Flared End Pipe Section                                                                                                                                                                                                                                                                                                           | 10  | EA |  | \$0.00 |
|     | AA. NEW HIGH DENSITY POLYETHYLENE PIPE (N-12) OR EQUAL INSTALLED IN PLACE, PER LF INCLUDES EXCAVATION, STONE BEDDING, STONE BACKFILL, AND DISPOSAL OF SPOILS (INSTALLED PER ASTM D2321-LATEST EDITION OR MANUFACTURER'S RECOMMENDATIONS, PIPE WILL BE CORRUGATED/SMOOTH INTERIOR PIPE (TYPE S) ASTM F2306 AND AASHT (LATEST EDITION)) |     |    |  |        |
| 158 | 4" Pipe, 0-6' deep                                                                                                                                                                                                                                                                                                                    | 200 | LF |  | \$0.00 |
| 159 | 6" Pipe, 0-6' deep                                                                                                                                                                                                                                                                                                                    | 200 | LF |  | \$0.00 |
| 160 | 8" Pipe, 0-8' deep                                                                                                                                                                                                                                                                                                                    | 200 | LF |  | \$0.00 |
| 161 | 10" Pipe, 0-8' deep                                                                                                                                                                                                                                                                                                                   | 200 | LF |  | \$0.00 |
| 162 | 12" Pipe, 0-8' deep                                                                                                                                                                                                                                                                                                                   | 200 | LF |  | \$0.00 |

|     |                                                                                                                                                                                                                                |     |    |  |  |        |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|--|--|--------|
| 163 | 15" Pipe, 0-8' deep                                                                                                                                                                                                            | 400 | LF |  |  | \$0.00 |
| 164 | 18" Pipe, 0-8' deep                                                                                                                                                                                                            | 400 | LF |  |  | \$0.00 |
| 165 | 24" Pipe, 0-8' deep                                                                                                                                                                                                            | 200 | LF |  |  | \$0.00 |
| 166 | 30" Pipe, 0-8' deep                                                                                                                                                                                                            | 100 | LF |  |  | \$0.00 |
| 167 | 36" Pipe, 0-8' deep                                                                                                                                                                                                            | 100 | LF |  |  | \$0.00 |
|     | BB. NEW HIGH DENSITY POLYPROPYLENE CORRUGATED STORM PIPE (SMOOTH INTERIOR PIPE), CONFORMING TO ASTM F2736 AND ASTM F2764. PRICE INCLUDES EXCAVATION, STONE BEDDING, STONE BACKFILL, AND DISPOSAL OF SPOILS (COMPLETE IN PLACE) |     |    |  |  |        |
| 168 | 12" Pipe, 0-8' deep                                                                                                                                                                                                            | 200 | LF |  |  | \$0.00 |
| 169 | 12" Pipe, 0-8' deep (Labor Only - COH will purchase pipe. Contractor responsible for coordinating delivery of pipe, unloading and providing all equipment and labor for installation.)                                         | 60  | LF |  |  | \$0.00 |
| 170 | 15" Pipe, 0-8' deep                                                                                                                                                                                                            | 400 | LF |  |  | \$0.00 |
| 171 | 15" Pipe, 0-8' deep (Labor Only - COH will purchase pipe. Contractor responsible for coordinating delivery of pipe, unloading and providing all equipment and labor for installation.)                                         | 120 | LF |  |  | \$0.00 |
| 172 | 18" Pipe, 0-8' deep                                                                                                                                                                                                            | 400 | LF |  |  | \$0.00 |
| 173 | 18" Pipe, 0-8' deep (Labor Only - COH will purchase pipe. Contractor responsible for coordinating delivery of pipe, unloading and providing all equipment and labor for installation.)                                         | 120 | LF |  |  | \$0.00 |



|     |                                                                                                                                                                                        |     |    |  |        |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|--|--------|
| 174 | 24" Pipe, 0-8' deep                                                                                                                                                                    | 400 | LF |  | \$0.00 |
| 175 | 24" Pipe, 0-8" deep (Labor Only - COH will purchase pipe. Contractor responsible for coordinating delivery of pipe, unloading and providing all equipment and labor for installation.) | 120 | LF |  | \$0.00 |
| 176 | 30" Pipe, 0-8' deep                                                                                                                                                                    | 120 | LF |  | \$0.00 |
| 177 | 30" Pipe, 0-8" deep (Labor Only - COH will purchase pipe. Contractor responsible for coordinating delivery of pipe, unloading and providing all equipment and labor for installation.) | 120 | LF |  | \$0.00 |
| 178 | 36" Pipe, 0-8' deep                                                                                                                                                                    | 60  | LF |  | \$0.00 |
| 179 | 36" Pipe, 0-8" deep (Labor Only - COH will purchase pipe. Contractor responsible for coordinating delivery of pipe, unloading and providing all equipment and labor for installation.) | 60  | LF |  | \$0.00 |
| 180 | 42" Pipe, 0-8' deep                                                                                                                                                                    | 60  | LF |  | \$0.00 |
| 181 | 42" Pipe, 0-8" deep (Labor Only - COH will purchase pipe. Contractor responsible for coordinating delivery of pipe, unloading and providing all equipment and labor for installation.) | 60  | LF |  | \$0.00 |
| 182 | 48" Pipe, 0-8' deep                                                                                                                                                                    | 60  | LF |  | \$0.00 |
| 183 | 48" Pipe, 0-8" deep (Labor Only - COH will purchase pipe. Contractor responsible for coordinating delivery of pipe, unloading and providing all equipment and labor for installation.) | 60  | LF |  | \$0.00 |
| 184 | 54" Pipe, 0-8' deep                                                                                                                                                                    | 60  | LF |  | \$0.00 |



|     |                                                                                                                                                                                        |     |    |  |        |
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| 185 | 54" Pipe, 0-8" deep (Labor Only - COH will purchase pipe. Contractor responsible for coordinating delivery of pipe, unloading and providing all equipment and labor for installation.) | 60  | LF |  | \$0.00 |
| 186 | 60" Pipe, 0-8' deep                                                                                                                                                                    | 60  | LF |  | \$0.00 |
| 187 | 60" Pipe, 0-8" deep (Labor Only - COH will purchase pipe. Contractor responsible for coordinating delivery of pipe, unloading and providing all equipment and labor for installation.) | 60  | LF |  | \$0.00 |
|     | CC. PVC PIPE, SURFACE DRAINAGE BASINS AND DUCTILE IRON GRATES AS MANUFACTURED BY NYOPLAST OR APPROVED EQUAL. SEE ATTACHMENT "R"                                                        |     |    |  |        |
|     | 1. BASINS                                                                                                                                                                              |     |    |  |        |
| 188 | 15" Basin, 0'-5' deep, Complete in place                                                                                                                                               | 20  | EA |  | \$0.00 |
| 189 | 18" Basin, 0'-5' deep, Complete in place                                                                                                                                               | 20  | EA |  | \$0.00 |
| 190 | 24" Basin, 0'-5' deep, Complete in place                                                                                                                                               | 20  | EA |  | \$0.00 |
| 191 | 30" Basin, 0'-5' deep, Complete in place                                                                                                                                               | 10  | EA |  | \$0.00 |
| 192 | Open Trench / Direct Bury Installation (Note: Pipe color shall be red, orange or gray) - 3" Sch. 40 PVC pipe (material and labor)                                                      | 200 | LF |  | \$0.00 |
| 193 | Open Trench / Direct Bury Installation (Note: Pipe color shall be red, orange or gray) - 3" Sch. 40 PVC pipe (labor only - material furnished by City of Huntsville)                   | 200 | LF |  | \$0.00 |
| 194 | Open Trench / Direct Bury Installation (Note: Pipe color shall be red, orange or gray) - 4" Sch. 40 PVC pipe (material and labor)                                                      | 200 | LF |  | \$0.00 |

|     |                                                                                                                                                                      |     |    |  |  |        |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|--|--|--------|
| 195 | Open Trench / Direct Bury Installation (Note: Pipe color shall be red, orange or gray) - 4" Sch. 40 PVC pipe (labor only - material furnished by City of Huntsville) | 200 | LF |  |  | \$0.00 |
| 196 | Open Trench / Direct Bury Installation (Note: Pipe color shall be red, orange or gray) - 5" Sch. 40 PVC pipe (material and labor)                                    | 200 | LF |  |  | \$0.00 |
| 197 | Open Trench / Direct Bury Installation (Note: Pipe color shall be red, orange or gray) - 5" Sch. 40 PVC pipe (labor only - material furnished by City of Huntsville) | 200 | LF |  |  | \$0.00 |
| 198 | Open Trench / Direct Bury Installation (Note: Pipe color shall be red, orange or gray) - 6" Sch. 40 PVC pipe (material and labor)                                    | 200 | LF |  |  | \$0.00 |
| 199 | Open Trench / Direct Bury Installation (Note: Pipe color shall be red, orange or gray) - 6" Sch. 40 PVC pipe (labor only - material furnished by City of Huntsville) | 200 | LF |  |  | \$0.00 |
| 200 | Directional Boring Installation (Note: Pipe color shall be red or orange) - 3" HDPE PIPE (Material and Labor)                                                        | 200 | LF |  |  | \$0.00 |
| 201 | Directional Boring Installation (Note: Pipe color shall be red or orange) - 3" HDPE PIPE (labor only - material furnished by City of Huntsville)                     | 200 | LF |  |  | \$0.00 |
| 202 | Directional Boring Installation (Note: Pipe color shall be red or orange) - 4" HDPE PIPE (Material and Labor)                                                        | 200 | LF |  |  | \$0.00 |
| 203 | Directional Boring Installation (Note: Pipe color shall be red or orange) - 4" HDPE PIPE (labor only - material furnished by City of Huntsville)                     | 200 | LF |  |  | \$0.00 |

|     |                                                                                                                                                  |     |    |  |  |  |  |  |        |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|--|--|--|--|--|--------|
|     |                                                                                                                                                  |     |    |  |  |  |  |  |        |
| 204 | Directional Boring Installation (Note: Pipe color shall be red or orange) - 5" HDPE PIPE (Material and Labor)                                    | 200 | LF |  |  |  |  |  | \$0.00 |
| 205 | Directional Boring Installation (Note: Pipe color shall be red or orange) - 5" HDPE PIPE (labor only - material furnished by City of Huntsville) | 200 | LF |  |  |  |  |  | \$0.00 |
| 206 | Directional Boring Installation (Note: Pipe color shall be red or orange) - 6" HDPE PIPE (Material and Labor)                                    | 200 | LF |  |  |  |  |  | \$0.00 |
| 207 | Directional Boring Installation (Note: Pipe color shall be red or orange) - 6" HDPE PIPE (labor only - material furnished by City of Huntsville) | 200 | LF |  |  |  |  |  | \$0.00 |
|     | 2 DUCTILE IRON GRATES FOR BASINS<br>CONFORMING TO ASTM A536 GRADE 70-50-05<br>FOR DUCTILE IRON.                                                  |     |    |  |  |  |  |  |        |
| 208 | 15" Standard H-20 Hinged                                                                                                                         | 20  | EA |  |  |  |  |  | \$0.00 |
| 209 | 18" Standard H-20                                                                                                                                | 20  | EA |  |  |  |  |  | \$0.00 |
| 210 | 24" Standard H-20                                                                                                                                | 20  | EA |  |  |  |  |  | \$0.00 |
| 211 | 30" Standard H-20                                                                                                                                | 10  | EA |  |  |  |  |  | \$0.00 |
| 212 | 15" Pedestrian H-10 Hinged                                                                                                                       | 10  | EA |  |  |  |  |  | \$0.00 |
| 213 | 18" Pedestrian H-10                                                                                                                              | 10  | EA |  |  |  |  |  | \$0.00 |
| 214 | 24" Pedestrian H-10                                                                                                                              | 10  | EA |  |  |  |  |  | \$0.00 |
| 215 | 30" Pedestrian H-10                                                                                                                              | 10  | EA |  |  |  |  |  | \$0.00 |
| 216 | In Line Inlet including Riser and Tee, 0'-5' deep                                                                                                | 10  | EA |  |  |  |  |  | \$0.00 |



|                                                                                                                                        |                                                                                                                                                                                             |     |    |  |        |
|----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|--|--------|
| 217                                                                                                                                    | MISCELLANEOUS STONE BACKFILL<br>(ANY SIZE), IN PLACE MEASUREMENT                                                                                                                            | 50  | CY |  | \$0.00 |
| 218                                                                                                                                    | 4" Corrugated Polyethylene Slotted Pipe w/sock, 0'-5' deep installed in place, per LF (includes excavation, bedding, backfill to grade, and disposal of spoils) - stone paid for separately | 200 | LF |  | \$0.00 |
| 219                                                                                                                                    | 6" Corrugated Polyethylene Slotted Pipe w/sock, 0'-5' deep installed in place, per LF (includes excavation, bedding, backfill to grade, and disposal of spoils) - stone paid for separately | 200 | LF |  | \$0.00 |
| 220                                                                                                                                    | 4" French Drain installed in place, per LF (includes excavation, bedding, stone, filter fabric, backfill to grade, and disposal of spoils)                                                  | 200 | LF |  | \$0.00 |
| 221                                                                                                                                    | 6" French Drain installed in place, per LF (includes excavation, bedding, stone, filter fabric, backfill to grade, and disposal of spoils)                                                  | 200 | LF |  | \$0.00 |
| <b>IV. SANITARY SEWER FACILITIES</b>                                                                                                   |                                                                                                                                                                                             |     |    |  |        |
| 222                                                                                                                                    | A. NEW PRECAST MANHOLE UNITS, 48" INSIDE DIAMETER INSTALLED IN PLACE, PRICE PER FOOT OF HEIGHT INCLUDING MANHOLE FRAME AND COVER.                                                           | 30  | VF |  | \$0.00 |
| 223                                                                                                                                    | Adjust manhole tops to match existing or proposed grade                                                                                                                                     | 30  | VF |  | \$0.00 |
| <b>B. NEW SDR26, POLYVINYL CHLORIDE PIPE, INSTALLED IN PLACE, PER LF INCLUDES EXCAVATION, BEDDING, BACKFILL AND DISPOSAL OF SPOILS</b> |                                                                                                                                                                                             |     |    |  |        |
| 224                                                                                                                                    | 6" Pipe, 0-8' depth                                                                                                                                                                         | 40  | LF |  | \$0.00 |
| 225                                                                                                                                    | 8" Pipe, 0-8' depth                                                                                                                                                                         | 40  | LF |  | \$0.00 |

|                                                                                                         |                                                                 |    |       |  |        |
|---------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|----|-------|--|--------|
| 226                                                                                                     | 10" Pipe, 0-8' depth                                            | 40 | LF    |  | \$0.00 |
| 227                                                                                                     | 12" Pipe, 0-8' depth                                            | 40 | LF    |  | \$0.00 |
| 228                                                                                                     | 15" Pipe, 0-8' depth                                            | 40 | LF    |  | \$0.00 |
| C. NEW CLASS 350 DUCTILE IRON PIPE,<br>INCLUDES EXCAVATION, BEDDING,<br>BACKFILL AND DISPOSAL OF SPOILS |                                                                 |    |       |  |        |
| 229                                                                                                     | 8" Pipe, 0-8' depth                                             | 40 | LF    |  | \$0.00 |
| 230                                                                                                     | 10" Pipe, 0-8' depth                                            | 40 | LF    |  | \$0.00 |
| 231                                                                                                     | 14" Pipe, 0-8' depth                                            | 40 | LF    |  | \$0.00 |
| 232                                                                                                     | 16" Pipe, 0-8' depth                                            | 40 | LF    |  | \$0.00 |
| 233                                                                                                     | 18" Pipe, 0-8' depth                                            | 40 | LF    |  | \$0.00 |
| 234                                                                                                     | 24" Pipe, 0-8' depth                                            | 40 | LF    |  | \$0.00 |
| 235                                                                                                     | D. EXTRA DEPTH OF CUT GREATER THAN 8<br>FEET, PER FOOT OF DEPTH | 1  | LF/FT |  | \$0.00 |
| 236                                                                                                     | E. 4" PVC LATERAL TO INCLUDE CLEAN OUT                          | 16 | LF    |  | \$0.00 |
| 237                                                                                                     | F. 4" DI LATERAL TO INCLUDE CLEAN OUT                           | 16 | LF    |  | \$0.00 |
| 238                                                                                                     | G. 6" PVC LATERAL TO INCLUDE CLEAN OUT                          | 16 | LF    |  | \$0.00 |
| 239                                                                                                     | H. 6" DI LATERAL TO INCLUDE CLEAN OUT                           | 16 | LF    |  | \$0.00 |



|     |                                                                                                                                                                                                                   |                                                                                                                |                        |     |    |  |        |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|------------------------|-----|----|--|--------|
| 240 | I. JACK AND BORE INSTALLATION OF STEEL CASING PIPE INCLUDING DEWATERING BORE PITS AND MAINTENANCE PER CITY OF HUNTSVILLE DESIGN AND ACCEPTANCE MANUAL FOR SANITARY SEWERS. BACKFILL WILL BE CONSIDERED INCIDENTAL | 1. 18" Minimum Diameter Steel Encasement Pipe, ASTM A139, Minimum wall 0.25", predominantly soil installation  | Less than 10 feet deep | 295 | LF |  | \$0.00 |
|     |                                                                                                                                                                                                                   |                                                                                                                |                        |     |    |  |        |
|     |                                                                                                                                                                                                                   |                                                                                                                |                        |     |    |  |        |
|     |                                                                                                                                                                                                                   |                                                                                                                |                        |     |    |  |        |
| 241 |                                                                                                                                                                                                                   |                                                                                                                | 10-16 feet deep        | 200 | LF |  | \$0.00 |
|     |                                                                                                                                                                                                                   |                                                                                                                |                        |     |    |  |        |
|     |                                                                                                                                                                                                                   |                                                                                                                |                        |     |    |  |        |
|     |                                                                                                                                                                                                                   |                                                                                                                |                        |     |    |  |        |
| 242 |                                                                                                                                                                                                                   | 2. 18" Minimum Diameter Steel Encasement Pipe, ASTM A139, Minimum wall 0.25", predominantly rock installation  | Less than 10 feet deep | 70  | LF |  | \$0.00 |
|     |                                                                                                                                                                                                                   |                                                                                                                |                        |     |    |  |        |
|     |                                                                                                                                                                                                                   |                                                                                                                |                        |     |    |  |        |
|     |                                                                                                                                                                                                                   |                                                                                                                |                        |     |    |  |        |
| 243 |                                                                                                                                                                                                                   |                                                                                                                | 10-16 feet deep        | 70  | LF |  | \$0.00 |
|     |                                                                                                                                                                                                                   |                                                                                                                |                        |     |    |  |        |
|     |                                                                                                                                                                                                                   |                                                                                                                |                        |     |    |  |        |
|     |                                                                                                                                                                                                                   |                                                                                                                |                        |     |    |  |        |
| 244 |                                                                                                                                                                                                                   | 3. 20" Minimum Diameter Steel Encasement Pipe, ASTM A139, Minimum wall 0.25", predominantly soil installation  | Less than 10 feet deep | 355 | LF |  | \$0.00 |
|     |                                                                                                                                                                                                                   |                                                                                                                |                        |     |    |  |        |
|     |                                                                                                                                                                                                                   |                                                                                                                |                        |     |    |  |        |
|     |                                                                                                                                                                                                                   |                                                                                                                |                        |     |    |  |        |
| 245 |                                                                                                                                                                                                                   |                                                                                                                | 10-16 feet deep        | 355 | LF |  | \$0.00 |
|     |                                                                                                                                                                                                                   |                                                                                                                |                        |     |    |  |        |
|     |                                                                                                                                                                                                                   |                                                                                                                |                        |     |    |  |        |
|     |                                                                                                                                                                                                                   |                                                                                                                |                        |     |    |  |        |
| 246 |                                                                                                                                                                                                                   | 4. 30" Minimum Diameter Steel Encasement Pipe, ASTM A139, Minimum wall 0.312", predominantly soil installation | Less than 10 feet deep | 130 | LF |  | \$0.00 |
|     |                                                                                                                                                                                                                   |                                                                                                                |                        |     |    |  |        |
|     |                                                                                                                                                                                                                   |                                                                                                                |                        |     |    |  |        |
|     |                                                                                                                                                                                                                   |                                                                                                                |                        |     |    |  |        |
| 247 |                                                                                                                                                                                                                   |                                                                                                                | 10-16 feet deep        | 130 | LF |  | \$0.00 |
|     |                                                                                                                                                                                                                   |                                                                                                                |                        |     |    |  |        |
|     |                                                                                                                                                                                                                   |                                                                                                                |                        |     |    |  |        |
|     |                                                                                                                                                                                                                   |                                                                                                                |                        |     |    |  |        |

|     |                                                                                                                                       |       |    |  |  |        |
|-----|---------------------------------------------------------------------------------------------------------------------------------------|-------|----|--|--|--------|
|     | 5. Installation of carrier pipe inside encasement pipe per City of Huntsville Design and Acceptance Manual for Sanitary Sewers        |       |    |  |  |        |
| 248 | 8"-10" Ductile Iron Gravity Line                                                                                                      | 140   | LF |  |  | \$0.00 |
| 249 | 12"-16" Ductile Iron Gravity Line                                                                                                     | 140   | LF |  |  | \$0.00 |
|     | 6. Spacers -- 14 Gauge, Type 316 Stainless Steel with Minimum 0.09" Thick PVC Shell Liner                                             |       |    |  |  |        |
| 250 | Less than 8"-10" pipe                                                                                                                 | 18    | EA |  |  | \$0.00 |
| 251 | Greater than 12"-16" pipe                                                                                                             | 18    | EA |  |  | \$0.00 |
|     | <b>V. EARTHWORK CONSTRUCTION</b>                                                                                                      |       |    |  |  |        |
|     | <b>A. SITE GRADING</b>                                                                                                                |       |    |  |  |        |
|     | 1. Scraper Operation                                                                                                                  |       |    |  |  |        |
| 252 | Stripping and Grading (Unclassified excavation) includes removal and stockpiling material on-site or spreading and compacting on-site | 1,000 | CY |  |  | \$0.00 |
| 253 | Respreading Operation , includes removing dirt from stockpile on-site, respreading, and compacting                                    | 1,000 | CY |  |  | \$0.00 |
|     | 2. Front End Loader, Track hoe, Gradall, and Hoe Ram Operation                                                                        |       |    |  |  |        |
| 254 | Unclassified excavation with front end loader, track hoe, or gradall equipment, Disposal of material on-site or reused on-site        | 1,000 | CY |  |  | \$0.00 |

|     |                                                                                                                                                                                      |        |         |  |        |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|--|--------|
| 255 | Solid Rock Excavation using Hoe Ram for Small Projects                                                                                                                               | 100    | CY      |  | \$0.00 |
|     | <i>B. TRUCKING</i>                                                                                                                                                                   |        |         |  |        |
| 256 | Loading and hauling unclassified excavation to include rock to a city specified site and dumping material. (Truck measure round trip distance)                                       | 20,000 | CY-MILE |  | \$0.00 |
| 257 | Loading , Hauling, and Disposal of Unclassified Excavation to include Rock                                                                                                           | 1,000  | CY      |  | \$0.00 |
| 258 | Loading and hauling of non-perishable construction materials from city job site (other than unclassified excavation). City will designate location where materials are to be hauled. | 500    | CY-MILE |  | \$0.00 |
|     | Tipping Fees (City will reimburse contractor. Copies of Invoices to be provided to COH)                                                                                              |        |         |  |        |
|     | <b>VI. MISCELLANEOUS CONSTRUCTION</b>                                                                                                                                                |        |         |  |        |
| 259 | New poured-in-place Reinforced Concrete Retaining Wall (complete-in-place) (Less than 20 CYS)                                                                                        | 100    | CY      |  | \$0.00 |
| 260 | New poured-in-place Reinforced Concrete Retaining Wall (complete-in-place) (20 to 50 CYS)                                                                                            | 100    | CY      |  | \$0.00 |
| 261 | New poured-in-place Reinforced Concrete Retaining Wall (complete-in-place) (More than 50 CYS)                                                                                        | 100    | CY      |  | \$0.00 |
| 262 | Removal of Concrete Retaining Wall (including disposal off-site and measured-in-place)                                                                                               | 100    | CY      |  | \$0.00 |
| 263 | TYPE "A" Silt Fence per ALDOT Spec #665 (includes materials, installation, maintenance and removal)                                                                                  | 1,000  | LF      |  | \$0.00 |

|                                                                                   |                                                                                                                                              |       |      |  |        |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-------|------|--|--------|
| 264                                                                               | TYPE "B" Silt Fence per COH Spec #671 (includes materials, installation, maintenance and removal)                                            | 200   | LF   |  | \$0.00 |
| 265                                                                               | Modular Retaining Wall (includes wall materials, and stone backfill) less than 4' high, complete-in-place)                                   | 200   | SF   |  | \$0.00 |
| 266                                                                               | Modular Retaining Wall (includes wall materials, stone backfill and geogrid) 4'-6' high, complete-in-place)                                  | 200   | SF   |  | \$0.00 |
| <b>VII. FENCING</b>                                                               |                                                                                                                                              |       |      |  |        |
| <b>A. FENCE REMOVAL AND REPLACEMENT WITH NEW FENCE MATERIAL TO MATCH EXISTING</b> |                                                                                                                                              |       |      |  |        |
| 267                                                                               | 4' High Residential Chain Link Fencing                                                                                                       | 400   | LF   |  | \$0.00 |
| 268                                                                               | 6' High Treated Wood Privacy Fence                                                                                                           | 200   | LF   |  | \$0.00 |
| <b>B. TEMPORARY FENCING (INCLUDES REMOVAL)</b>                                    |                                                                                                                                              |       |      |  |        |
| 269                                                                               | 4' High Residential Chain Link Fencing                                                                                                       | 200   | LF   |  | \$0.00 |
| 270                                                                               | 6' High Residential Chain Link Fencing                                                                                                       | 100   | LF   |  | \$0.00 |
| <b>C. FENCE REMOVE AND RESET EXISTING FENCING</b>                                 |                                                                                                                                              |       |      |  |        |
| 271                                                                               | 4' High Residential Chain Link Fencing                                                                                                       | 1,130 | LF   |  | \$0.00 |
| 272                                                                               | 6' High Treated Wood Privacy Fence                                                                                                           | 400   | LF   |  | \$0.00 |
| <b>VIII. TREE REMOVAL AND DISPOSAL:</b>                                           |                                                                                                                                              |       |      |  |        |
| 273                                                                               | Light - lawns, rights-of-ways, shrubs, grassy fields and pasture land, minimum underbrush, trees 10" diameter or smaller, up to 5 trees/acre | 6     | ACRE |  | \$0.00 |

|                                                   |                                                                                                                                               |       |      |  |        |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-------|------|--|--------|
| 274                                               | Medium - lawns, rights-of-ways, shrubs, grassy fields and pasture land, medium underbrush, trees 15" diameter or smaller, up to 10 trees/acre | 12    | ACRE |  | \$0.00 |
| 275                                               | Heavy - lawns, rights-of-ways, shrubs, grassy fields and pasture land, thick underbrush, trees 15" diameter, no limit on density              | 12    | ACRE |  | \$0.00 |
| <b>IX. ALDOT STEEL BEAM GUARDRAIL AND ANCHORS</b> |                                                                                                                                               |       |      |  |        |
| 276                                               | A. TYPE 1, STEEL BEAM GUARDRAIL, CLASS A, PER LF INSTALLED                                                                                    | 1,000 | LF   |  | \$0.00 |
| 277                                               | B. STEEL BEAM GUARDRAIL, CLASS B, PER LF INSTALLED                                                                                            | 1,000 | LF   |  | \$0.00 |
|                                                   | C. GUARDRAIL ANCHORS, PRICE EACH INSTALLED                                                                                                    |       |      |  |        |
| 278                                               | Type 8                                                                                                                                        | 10    | EA   |  | \$0.00 |
| 279                                               | Type 10                                                                                                                                       | 10    | EA   |  | \$0.00 |
| 280                                               | Type 12                                                                                                                                       | 10    | EA   |  | \$0.00 |
| 281                                               | Type 13                                                                                                                                       | 10    | EA   |  | \$0.00 |
| 282                                               | Type 20                                                                                                                                       | 10    | EA   |  | \$0.00 |
|                                                   | D. GUARDRAIL REMOVE AND RESET, PER LF                                                                                                         |       |      |  |        |
| 283                                               | TYPE 1, STEEL BEAM GUARDRAIL, CLASS A                                                                                                         | 100   | LF   |  | \$0.00 |
| 284                                               | STEEL BEAM GUARDRAIL, CLASS B                                                                                                                 | 100   | LF   |  | \$0.00 |
| 285                                               | Guardrail Post, installed                                                                                                                     | 100   | EA   |  | \$0.00 |
| <b>X. RENTAL EQUIPMENT TO INCLUDE</b>             |                                                                                                                                               |       |      |  |        |
| 286                                               | A. FOREMAN AND PICKUP TRUCK                                                                                                                   | 80    | HR   |  | \$0.00 |



|     |                                                                 |     |    |  |        |
|-----|-----------------------------------------------------------------|-----|----|--|--------|
| 287 | B. SKILLED LABORER                                              | 80  | HR |  | \$0.00 |
|     | C. DOZERS & OTHER EQUIPMENT                                     |     |    |  |        |
| 288 | International TD-15 or equal                                    | 80  | HR |  | \$0.00 |
| 289 | Rubber Tired Loader-930 and 966                                 | 80  | HR |  | \$0.00 |
| 290 | Rubber Tired Backhoe                                            | 100 | HR |  | \$0.00 |
| 291 | Gradalls                                                        | 100 | HR |  | \$0.00 |
| 292 | Power Broom                                                     | 100 | HR |  | \$0.00 |
| 293 | Bobcat                                                          | 100 | HR |  | \$0.00 |
| 294 | Tri Axle Dump Truck                                             | 100 | HR |  | \$0.00 |
|     | D. Track Excavators and Hydraulic Breaker                       |     |    |  |        |
| 295 | PC 200 Series or Equal                                          | 100 | HR |  | \$0.00 |
| 296 | PC 300 Series or Equal                                          | 100 | HR |  | \$0.00 |
| 297 | PC 400 Series or Equal                                          | 100 | HR |  | \$0.00 |
| 298 | PC 200 series or equal, with 4000 lb Hydraulic Breaker or equal | 50  | HR |  | \$0.00 |
| 299 | PC 250 series or equal, with 6000 lb Hydraulic Breaker          | 50  | HR |  | \$0.00 |
| 300 | PC 300 series or equal, with 8000 lb Hydraulic Breaker          | 50  | HR |  | \$0.00 |
| 301 | PC 350 series or equal, with 10,000 lb Hydraulic Breaker        | 50  | HR |  | \$0.00 |

| XI. SPEED TABLES     |                                                                                                                                                                                                                                                                       |       |      |        |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------|--------|
| 302                  | Speed Cushion Installation-- (speed cushions will be purchased by the COH Traffic Eng Dept. (Traffic- Legix or equal to be determined by the COH) Contractor must load, transport, and install speed cushion devices purchased by the COH and stored at COH facility) | 50    | EA   | \$0.00 |
| XII. TRAFFIC CONTROL |                                                                                                                                                                                                                                                                       |       |      |        |
| 303                  | Drums                                                                                                                                                                                                                                                                 | 300   | EA   | \$0.00 |
| 304                  | Type I Barricades                                                                                                                                                                                                                                                     | 25    | EA   | \$0.00 |
| 305                  | Type II Barricades                                                                                                                                                                                                                                                    | 25    | EA   | \$0.00 |
| 306                  | Type III Barricades                                                                                                                                                                                                                                                   | 25    | EA   | \$0.00 |
| 307                  | 28" Cones                                                                                                                                                                                                                                                             | 50    | EA   | \$0.00 |
| 308                  | 36" Cones                                                                                                                                                                                                                                                             | 50    | EA   | \$0.00 |
| 309                  | Arrow Panels                                                                                                                                                                                                                                                          | 10    | EA   | \$0.00 |
| 310                  | Road Signs per ALDOT 740B to include posts installed                                                                                                                                                                                                                  | 1,000 | SF   | \$0.00 |
| 311                  | Flagman                                                                                                                                                                                                                                                               | 500   | HR   | \$0.00 |
| 312                  | Orange construction fencing per ALDOT #647                                                                                                                                                                                                                            | 100   | LF   | \$0.00 |
| 313                  | 5" Wide Solid White, Class 2, Type A Traffic Stripe (0.06" Thick), Complete In-Place PER C.O.H. SPECIFICATION #701                                                                                                                                                    | 5     | MILE | \$0.00 |
| 314                  | 5" Wide Broken White, Class 2, Type A Traffic Stripe (0.06" Thick), Complete In-Place PER C.O.H. SPECIFICATION #701                                                                                                                                                   | 5     | MILE | \$0.00 |

|     |                                                                                                                      |     |      |  |        |
|-----|----------------------------------------------------------------------------------------------------------------------|-----|------|--|--------|
| 315 | 5" Wide Solid Yellow, Class 2, Type A Traffic Stripe (0.09" Thick), Complete In-Place PER C.O.H. SPECIFICATION #701  | 5   | MILE |  | \$0.00 |
| 316 | 5" Wide Broken Yellow, Class 2, Type A Traffic Stripe (0.09" Thick), Complete In-Place PER C.O.H. SPECIFICATION #701 | 5   | MILE |  | \$0.00 |
| 317 | 5" Wide Dotted Class 2, Type A Traffic Stripe, (0.09" Thick), Complete In-Place PER C.O.H. SPECIFICATION #701        | 750 | LF   |  | \$0.00 |
| 318 | Broken Temporary Traffic Stripe, Complete In-Place PER C.O.H. SPECIFICATION #701                                     | 5   | MILE |  | \$0.00 |
| 319 | Solid Temporary Traffic Stripe, Complete In-Place PER C.O.H. SPECIFICATION #701                                      | 5   | MILE |  | \$0.00 |
| 320 | Traffic Control Legends, Class 2, Type A, Complete In-Place PER C.O.H. SPECIFICATION #703                            | 750 | SF   |  | \$0.00 |
| 321 | Traffic Control Markings, Class 2, Type A, Complete In-Place PER C.O.H. SPECIFICATION #703                           | 750 | SF   |  | \$0.00 |
| 322 | Temporary Traffic Control Legends, Complete In-Place PER C.O.H. SPECIFICATION #703                                   | 750 | SF   |  | \$0.00 |
| 323 | Temporary Traffic Control Markings, Complete In-Place PER C.O.H. SPECIFICATION #703                                  | 750 | SF   |  | \$0.00 |
| 324 | Traffic Striping Removal, Width Varies, Per C.O.H. SPECIFICATION #701                                                | 5   | MILE |  | \$0.00 |
| 325 | Traffic Control Markings and Legends Removal Per C.O.H. SPECIFICATION #703                                           | 780 | SF   |  | \$0.00 |
| 326 | Pavement Markers, Class A-H, Type 1-A, Complete In-Place PER ALDOT SPECIFICATION #705                                | 50  | EA   |  | \$0.00 |

|     |                                                                                                                      |    |      |  |        |
|-----|----------------------------------------------------------------------------------------------------------------------|----|------|--|--------|
| 327 | Pavement Markers, Class A-H, Type 1-B, Complete In-Place PER ALDOT SPECIFICATION #705                                | 50 | EA   |  | \$0.00 |
| 328 | Pavement Markers, Class A-H, Type 2-C, Complete In-Place PER ALDOT SPECIFICATION #705                                | 50 | EA   |  | \$0.00 |
| 329 | Pavement Markers, Class A-H, Type 2-D, Complete In-Place PER ALDOT SPECIFICATION #705                                | 50 | EA   |  | \$0.00 |
| 330 | Pavement Markers, Class A-H, Type 2E, Complete In-Place PER ALDOT SPECIFICATION #705                                 | 50 | EA   |  | \$0.00 |
| 331 | Type A Hazard Marker Installation, Complete-In-Place PER ALDOT SPECIFICATION # 707B                                  | 5  | EA   |  | \$0.00 |
| 332 | Mile Post Marker Type B, Complete in Place To include Post Per Specification ALDOT # 709A                            | 5  | EA   |  | \$0.00 |
| 333 | Mile Post Reset, Complete-In-Place, to Includes Post PER SPECIFICATION ALDOT #709B                                   | 5  | EA   |  | \$0.00 |
| 334 | 4" Wide Solid White, Class 2, Type A Traffic Stripe (0.06" Thick), Complete In-Place PER C.O.H. SPECIFICATION #701   | 5  | MILE |  | \$0.00 |
| 335 | 4" Wide Broken White, Class 2, Type A Traffic Stripe (0.06" Thick), Complete In-Place PER C.O.H. SPECIFICATION #701  | 5  | MILE |  | \$0.00 |
| 336 | 4" Wide Solid Yellow, Class 2, Type A Traffic Stripe (0.09" Thick), Complete In-Place PER C.O.H. SPECIFICATION #701  | 5  | MILE |  | \$0.00 |
| 337 | 4" Wide Broken Yellow, Class 2, Type A Traffic Stripe (0.09" Thick), Complete In-Place PER C.O.H. SPECIFICATION #701 | 5  | MILE |  | \$0.00 |



|                                     |                                                                                                               |       |    |  |        |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------|-------|----|--|--------|
| 338                                 | 4" Wide Dotted Class 2, Type A Traffic Stripe, (0.09" Thick), Complete In-Place PER C.O.H. SPECIFICATION #701 | 750   | LF |  | \$0.00 |
| 339                                 | New Jersey Type Barriers - Permanent Installation (Barrier will remain property of the City of Huntsville)    | 20    | EA |  | \$0.00 |
| 340                                 | New Jersey Type Barriers - Barrier to be removed and retained by the Contractor                               | 20    | EA |  | \$0.00 |
| 341                                 | Used Jersey Type Barriers - Permanent Installation (Barrier will remain property of the City of Huntsville)   | 20    | EA |  | \$0.00 |
| 342                                 | Used Jersey Type Barriers - Barrier to be removed and retained by the Contractor                              | 20    | EA |  | \$0.00 |
| 343                                 | Traffic Detector Loops - installed in pavement                                                                | 2,000 | LF |  | \$0.00 |
| <b>XIII. LANDSCAPE CONSTRUCTION</b> |                                                                                                               |       |    |  |        |
| 344                                 | Topsoil Cubic Yards (CY), Loose Truck Measurement                                                             | 1,500 | CY |  | \$0.00 |



|                                                                                                                                                     |                                                                                                                                       |       |      |  |        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-------|------|--|--------|
| 345                                                                                                                                                 | Mulching, Class A, Type 1                                                                                                             | 2,000 | SY   |  | \$0.00 |
| 346                                                                                                                                                 | Fescue Sod (in-place)                                                                                                                 | 2,000 | SY   |  | \$0.00 |
| 347                                                                                                                                                 | Seed, Straw, and Fertilize                                                                                                            | 2,000 | SY   |  | \$0.00 |
| 348                                                                                                                                                 | Tifton Bermuda Sod (in-place)                                                                                                         | 2,000 | SY   |  | \$0.00 |
| 349                                                                                                                                                 | Emerald Zoysia Sod (in-place)                                                                                                         | 1,400 | SY   |  | \$0.00 |
| 350                                                                                                                                                 | Hydroseeding                                                                                                                          | 10    | ACRE |  | \$0.00 |
| 351                                                                                                                                                 | Hay Bales per COH Spec #671 (includes materials, installation, maintaining and removal after completion of job)                       | 50    | EA   |  | \$0.00 |
| 352                                                                                                                                                 | 20" Wattle per ALDOT Spec #665-Q Inlet Protection (includes materials, installation, maintaining and removal after completion of job) | 1,000 | LF   |  | \$0.00 |
| <b>XIV. NEW HANDRAIL, (2-3/8" Steel Pipe), primed and painted per Attachment "P" (includes anchors, plates, posts, and bolts) complete in place</b> |                                                                                                                                       |       |      |  |        |
| 353                                                                                                                                                 | Four Rail Handrail (see Attachment "T")                                                                                               | 250   | LF   |  | \$0.00 |
| 354                                                                                                                                                 | Three Rail Handrail (see Attachment "T")                                                                                              | 250   | LF   |  | \$0.00 |
| 355                                                                                                                                                 | Two Rail Handrail (See Attachment "T")                                                                                                | 250   | LF   |  | \$0.00 |
| <b>XV. STREETSCAPE</b>                                                                                                                              |                                                                                                                                       |       |      |  |        |
| 356                                                                                                                                                 | Brick Pavers with Leveling Course                                                                                                     | 500   | SF   |  | \$0.00 |
| 357                                                                                                                                                 | Tree Grates (See Attachment "X")                                                                                                      | 20    | EA   |  | \$0.00 |
| 358                                                                                                                                                 | Concrete Wheel Stops, Anchored in Place                                                                                               | 20    | EA   |  | \$0.00 |
| 359                                                                                                                                                 | CU Structural Soil Compacted in Place                                                                                                 | 30    | CY   |  | \$0.00 |

|                               |                                                                                                                                                                                                                          |        |    |  |  |        |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|----|--|--|--------|
| 360                           | Decorative Handrail (See Attachment "W")                                                                                                                                                                                 | 200    | LF |  |  | \$0.00 |
| <b>XVI. IRRIGATION SYSTEM</b> |                                                                                                                                                                                                                          |        |    |  |  |        |
| 361                           | Rain Bird ESP16LXM Controller with Stainless Style Pedestal with Concrete Base Complete in Place                                                                                                                         | 3      | EA |  |  | \$0.00 |
| 362                           | Rain Bird F4-PC, FC-SS Turf Rotor, 4.0" Pop-Up, Stainless Steel Riser, Adjustable and Full Circle. With Removable Seal-A-Matic Check Valve, 1" Female Threaded Inlet. (5004)                                             | 150    | EA |  |  | \$0.00 |
| 363                           | Rain Bird XCZ-100-PRB-COM 1" Wide Flow Drip Control Kit for Commercial Applications. 1" Ball Valve with 1" PESB Valve and 1" Pressure Regulating 40psi Quick-Check Basket Filter. 0.3gpm to 20gpm.                       | 15     | EA |  |  | \$0.00 |
| 364                           | Rain Bird RWS-M-B-C-1401 Root Watering System Mini                                                                                                                                                                       | 150    | EA |  |  | \$0.00 |
| 365                           | Netafim TLEZ-04-18 Techline EZ Pressure Compensating Landscape Dripline with Anti-Siphon Dripper. 0.4 GPH emitters at 18" O.C. Dripline laterals spaced at 18" apart, with emitters offset for triangular pattern. 12mm. | 6,000  | LF |  |  | \$0.00 |
| 366                           | Rain Bird Master Valve 2" PESB-PRSD with 12" Valve Box Complete in Place                                                                                                                                                 | 3      | EA |  |  | \$0.00 |
| 367                           | Irrigation Lateral Line: PVC Class 200 SDR 21 1 1/2"                                                                                                                                                                     | 30,000 | LF |  |  | \$0.00 |
| 368                           | Irrigation Mainline: PVC Class 40, 2" Complete in place to include Crushed Stone Backfill                                                                                                                                | 7,500  | LF |  |  | \$0.00 |
| 369                           | Pipe Sleeve: CPVC Schedule 40, 4" Complete in place with Crushed Stone Backfill                                                                                                                                          | 3,000  | LF |  |  | \$0.00 |

|     |                                                                                                           |        |    |  |        |
|-----|-----------------------------------------------------------------------------------------------------------|--------|----|--|--------|
| 370 | Rain Bird WR2 Wireless Raw Sensor                                                                         | 3      | EA |  | \$0.00 |
| 371 | 14-1 UF Direct Burial Red Sprinkler Control Wire                                                          | 30,000 | LF |  | \$0.00 |
| 372 | 12-1 UF Direct Burial White Sprinkler Control Wire                                                        | 7,500  | LF |  | \$0.00 |
| 373 | 16-1 UF Direct Burial Blue Wire for Tracer                                                                | 2,750  | LF |  | \$0.00 |
| 374 | Rain Bird 1806 SAM-PRS-45 Sprinkler Head with Barb Fitting, Swing Pipe and PVC Tee for Lateral Connection | 300    | EA |  | \$0.00 |
| 375 | Rain Bird 150 PESB Control Valve with PRS-D Regulator with 12" Box Complete In Place                      | 30     | EA |  | \$0.00 |
| 376 | Rain Bird 1812 SAM-PRS-45 Sprinkler Head with Barb Fitting, Swing Pipe and PVC Tee for Lateral Connection | 300    | EA |  | \$0.00 |
| 377 | Rain Bird 1806 SAM-PRS-45 Sprinkler Head with Barb Fitting, Swing Pipe and PVC Tee for Lateral Connection | 300    | EA |  | \$0.00 |
| 378 | Hunter MP3000 90-210 Nozzles                                                                              | 600    | EA |  | \$0.00 |

#### XVII: SPEED TABLES

|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |  |        |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|--|--------|
| 379 | Remove/Reinstall existing Speed Cushions - EACH speed cushion is 7' long by 6' wide and consists of 8 pieces per cushion with 48 bolts. (Drawing attached) Contractor shall take care to remove each bolt and secure all bolts and pieces of each Speed Cushion for reinstall. No removal will be allowed using heavy equipment that will damage the Speed Cushion and bolts. Contractor will be provided with adhesive, new sleeves and longer bolts if original bolts were used in the original install. The adhesive, new sleeves and longer bolts as required shall be picked up at Traffic Engineering at 2100 Clinton Avenue. | 50 | EA |  | \$0.00 |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|--|--------|

|     |                                                                                                                                                                                                                                                                                                                          |    |    |  |        |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|--|--------|
| 380 | Install Only Speed Cushions - EACH speed cushion is 7' long by 6' wide and consists of 8 pieces per cushion with 48 bolts. (Drawing attached) Contractor shall pickup at Traffic Engineering at 2100 Clinton Avenue, new Speed Cushions, adhesive, sleeves and bolts for install as required.                            | 50 | EA |  | \$0.00 |
| 381 | Removal only of existing speed cushions - EACH speed cushion is 7' long by 6' wide and consists of 8 pieces per cushion with 48 bolts. (Drawing attached) Contractor shall take care to remove each bolt and secure all bolts and pieces of each Speed Cushion and deliver to Traffic Engineering at 2100 Clinton Avenue | 50 | EA |  | \$0.00 |

|                               |                                                                    |     |    |  |        |
|-------------------------------|--------------------------------------------------------------------|-----|----|--|--------|
| <b>XVIII: STRUCTURAL FILL</b> |                                                                    |     |    |  |        |
| 382                           | Structural fill loaded into city trucks                            | 400 | CY |  | \$0.00 |
| 383                           | Structural fill delivered and dumped on site, 0-5 miles            | 200 | CY |  | \$0.00 |
| 384                           | Structural fill delivered and dumped on site, 5-10 miles           | 200 | CY |  | \$0.00 |
| 385                           | Structural fill delivered and dumped on site, 10-15 miles          | 200 | CY |  | \$0.00 |
| <b>XIX: WAYFINDING SIGNS</b>  |                                                                    |     |    |  |        |
| 386                           | Replacement of G1 - Monumental Gateway Sign, Complete in Place     | 4   | EA |  | \$0.00 |
| 387                           | Replacement of G2 - Post and Panel Gateway, Complete in Place      | 3   | EA |  | \$0.00 |
| 388                           | Replacement of T1 - Large Vehicular Trailblazer, Complete in Place | 26  | EA |  | \$0.00 |
| 389                           | Replacement of PT - Parking Directional, Complete in Place         | 11  | EA |  | \$0.00 |



|     |                                                                                          |    |    |  |        |
|-----|------------------------------------------------------------------------------------------|----|----|--|--------|
| 390 | Replacement of T2- Small Vehicular Trailblazer Sign, Complete in Place                   | 7  | EA |  | \$0.00 |
| 391 | Replacement of T3 - Small Vehicular A&E Trailblazer Signs, Complete in Place             | 3  | EA |  | \$0.00 |
| 392 | Replacement of P2 - Mast arm Parking Directional Sign, Complete in Place                 | 12 | EA |  | \$0.00 |
| 393 | Replacement of P1 - Stand-alone parking directional sign, Complete in Place              | 3  | EA |  | \$0.00 |
| 394 | Replacement of P3 - Refurbished Parking/Identification/Directional, Complete in Place    | 4  | EA |  | \$0.00 |
| 395 | Replacement of PD - Pedestrian Directional, Complete in Place                            | 1  | EA |  | \$0.00 |
| 396 | Replacement of M1 - Pedestrian Orientation Map Sign, Complete in Place                   | 2  | EA |  | \$0.00 |
| 397 | Replacement of G3 - Historic District Gateway, Complete in Place                         | 2  | EA |  | \$0.00 |
| 398 | Replacement of K1 - Information Kiosk, Complete in Place                                 | 5  | EA |  | \$0.00 |
| 399 | Replacement of S1 - Site Identification with Masonry Base, Complete in Place             | 1  | EA |  | \$0.00 |
| 400 | Replacement of S2 - Site Identification with Panel Sign, Complete in Place               | 1  | EA |  | \$0.00 |
| 401 | Replacement of Galvanized Poles due to damage, Complete in Place                         | 80 | EA |  | \$0.00 |
| 402 | New T1 - Large Vehicular Trailblazer, Complete in place to include foundations and poles | 4  | EA |  | \$0.00 |



|     |                                                                                                   |    |    |  |        |
|-----|---------------------------------------------------------------------------------------------------|----|----|--|--------|
| 403 | New PT - Parking Directional, Complete in place to include foundations and poles                  | 6  | EA |  | \$0.00 |
| 404 | New T2- Small Vehicular Trailblazer Sign, Complete in place to include foundations and poles      | 3  | EA |  | \$0.00 |
| 405 | New P2 - Mast arm Parking Directional Sign, Complete in place to include foundations and poles    | 4  | EA |  | \$0.00 |
| 406 | New P1 - Stand-alone parking directional sign, Complete in place to include foundations and poles | 1  | EA |  | \$0.00 |
| 407 | New P3 - Refurbished Parking/Identification/Directional, Complete in Place                        | 1  | EA |  | \$0.00 |
| 408 | New PD - Pedestrian Directional, Complete in place to include foundations and poles               | 1  | EA |  | \$0.00 |
| 409 | New M1 - Pedestrian Orientation Map Sign, Complete in place to include foundations and poles      | 1  | EA |  | \$0.00 |
| 410 | New K1 - Information Kiosk, Complete in place to include foundations and poles                    | 1  | EA |  | \$0.00 |
| 411 | Backing on Existing Signs G1 - Monumental Gateway Sign, Complete in place                         | 4  | EA |  | \$0.00 |
| 412 | Backing on Existing Signs G2 - Post and Panel Gateway, Complete in Place                          | 3  | EA |  | \$0.00 |
| 413 | Backing on Existing Signs T1 - Large Vehicular Trailblazer, Complete in Place                     | 26 | EA |  | \$0.00 |
| 414 | Backing on Existing Signs PT - Parking Directional, Complete in Place                             | 11 | EA |  | \$0.00 |
| 415 | Backing on Existing Signs T2- Small Vehicular Trailblazer Sign, Complete in Place                 | 7  | EA |  | \$0.00 |

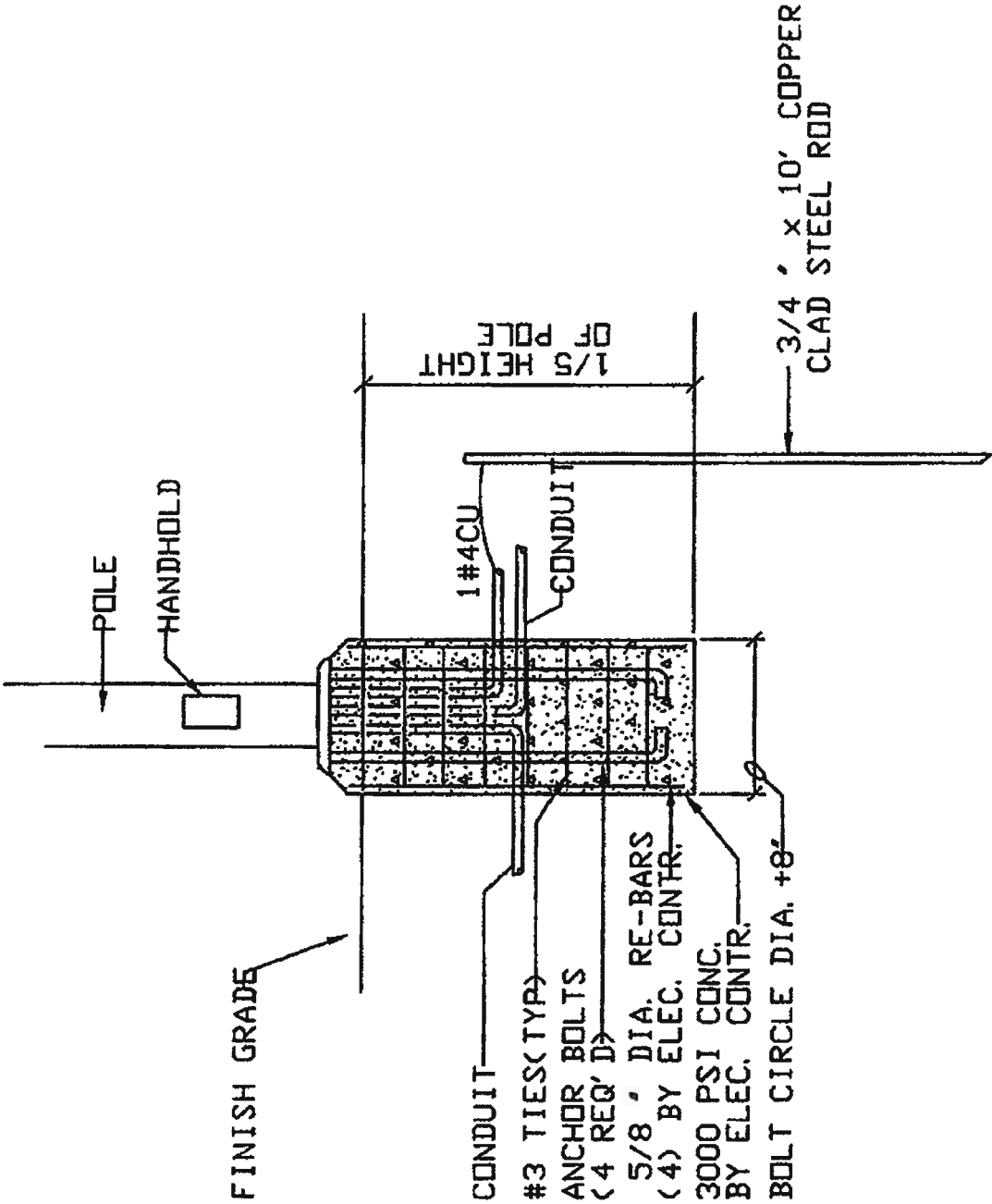
|     |                                                                                                  |     |    |  |        |
|-----|--------------------------------------------------------------------------------------------------|-----|----|--|--------|
| 416 | Backing on Existing Signs T3 – Small Vehicular A&E District Trailblazer Signs, Complete in Place | 3   | EA |  | \$0.00 |
| 417 | Backing on Existing Signs P2 – Mast arm Parking Directional Sign, Complete in Place              | 12  | EA |  | \$0.00 |
| 418 | Backing on Existing Signs P1 – Stand-alone parking directional sign, Complete in Place           | 3   | EA |  | \$0.00 |
| 419 | Backing on Existing Signs P3 – Refurbished Parking/Identification/Directional, Complete in Place | 4   | EA |  | \$0.00 |
| 420 | Backing on Existing Signs PD – Pedestrian Directional, Complete in Place                         | 1   | EA |  | \$0.00 |
| 421 | Backing on Existing Signs M1 - Pedestrian Orientation, Complete in Place                         | 2   | EA |  | \$0.00 |
| 422 | Backing on Existing Signs G3 - Historic District Gateway, Complete in Place                      | 2   | EA |  | \$0.00 |
| 423 | Backing on Existing Signs K1 - Information Kiosk, Complete in Place                              | 5   | EA |  | \$0.00 |
| 424 | Backing on Existing Signs S1 - Site Identification with Masonry Base, Complete in Place          | 1   | EA |  | \$0.00 |
| 425 | Backing on Existing Signs S2 - Site Identification with Panel Sign, Complete in Place            | 1   | EA |  | \$0.00 |
| 426 | XX: MISCELLANEOUS ITEMS<br>Granville Light Fixture and Pole, Complete in Place                   | 50  | EA |  | \$0.00 |
| 427 | Washington Light Fixture and Pole, Complete in Place                                             | 25  | EA |  | \$0.00 |
| 428 | 45" x 73" Class III Arch Pipe                                                                    | 200 | LF |  | \$0.00 |

\$0.00

**TOTAL BASE BID PRICE** (for evaluation purposes only):

*Basis of payment will be determined by multiplying the measured in place quantities determined in the field by the contract bid unit prices.*

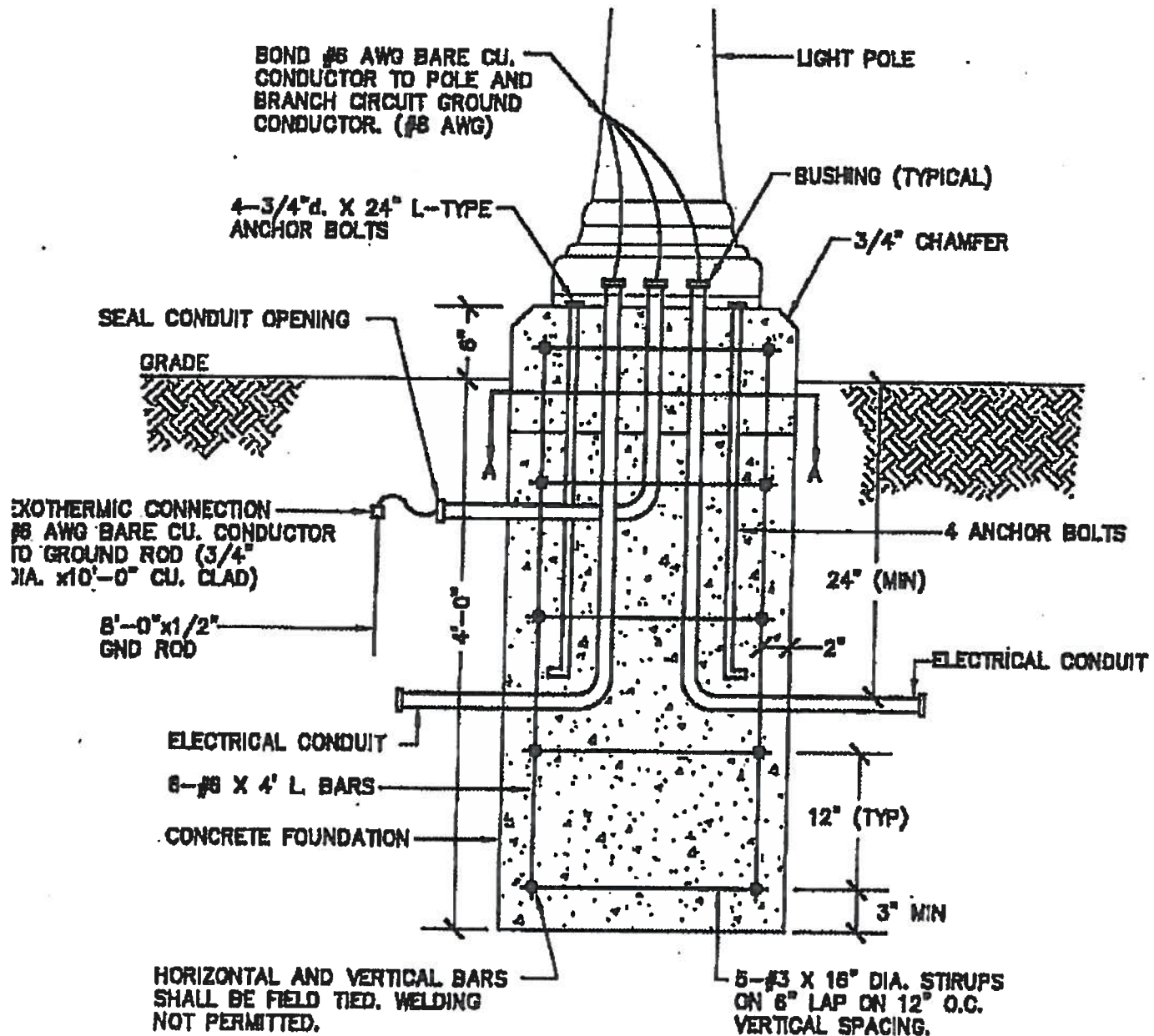
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Date \_\_\_\_\_



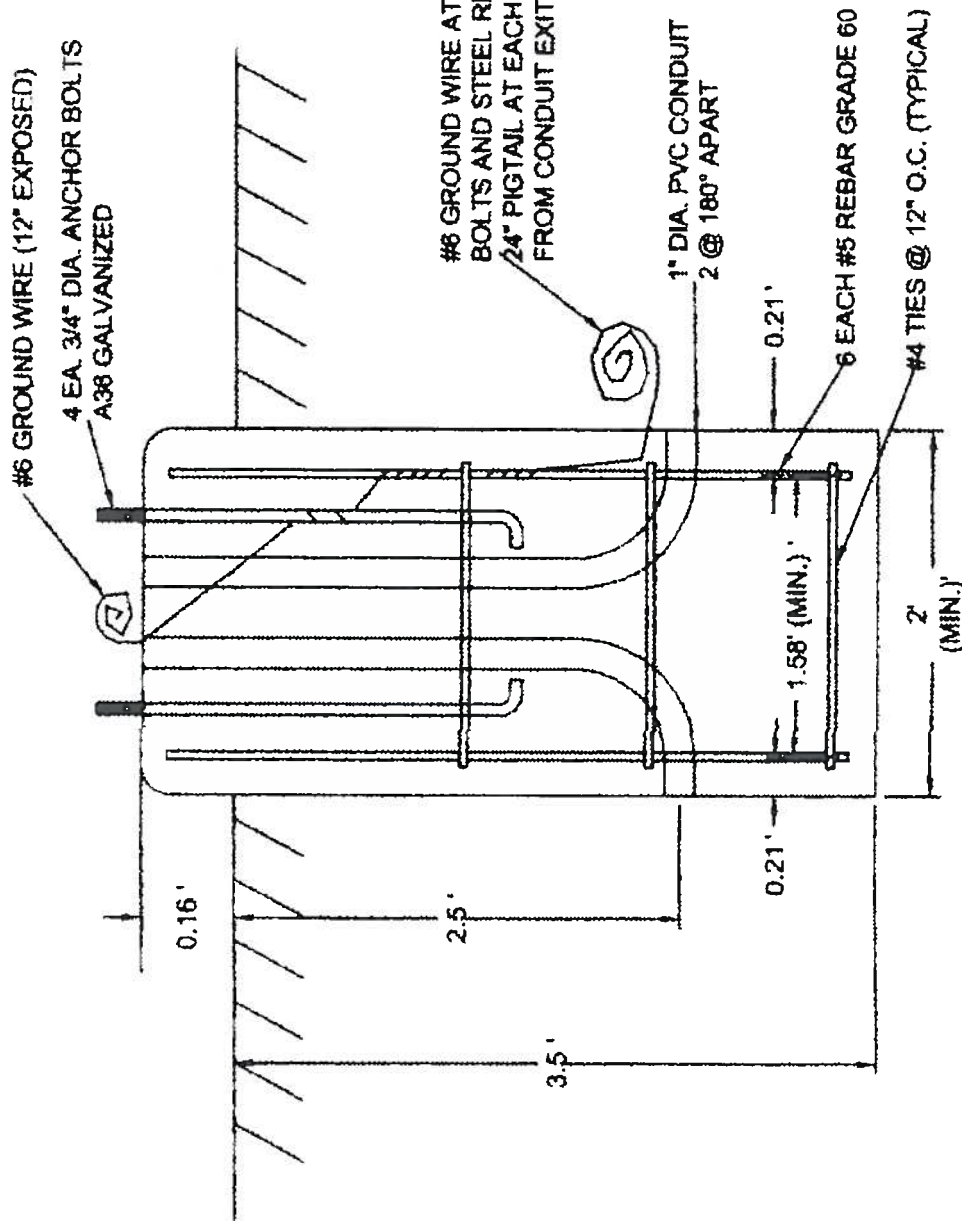
DETAIL - POLE BASE

NO SCALE

# **DETAIL** **ELECTRICAL SERVICE** **EQUIPMENT PEDESTAL** **NO SCALE**







## NOTES:

1. BOLT CIRCLE DIAMETER TO BE DETERMINED BY MANUFACTURER.
2. CONCRETE SHALL BE 3,000 PSI, 28 DAY COMPRESSIVE STRENGTH.
3. SMOOTH FINISH REQUIRED ON CONCRETE FIXTURE BASE ON TOP & 4" DOWN THE SIDE WITH ROUNDED EDGES

**DETAIL - FIXTURE BASE**

NOT TO SCALE



# HUNTSVILLE

Kathy Martin, P.E.  
Director  
City Engineer

Urban Development Department  
Engineering Division

## **PERIODIC BID FOR VARIOUS CONSTRUCTION-2021**

**Project No. 71-22-SP06**

**December 16, 2021**

### **Addendum #4**

#### **Attachment "A1" is amended as follows:**

Replace bid quantities with "replacement", **Attachment "A2"**. Please use the revised attachment to submit bid pricing; **all bids must be submitted using Attachment "A2"**. Contractors are authorized to download revised quantities from website and paste to a CD-RW (preferably in a live/flash drive format) which must be submitted with the original bid packet. In addition, two hard copies must be signed and submitted with original bid packet. Bid must be submitted from the file (Quantities) provided and downloaded from the City of Huntsville's website. Failure to do so may be cause for rejection of bid. The City reserves the right to reject any altered bid resulting from altering the bid CD in any manner. Contractors should be mindful of making changes to formatting already established in column for Bid Unit Price, as it may affect the outcome of their bid. In order to verify calculations are correct, Contractor may choose to manually multiply those unit costs x bid quantities to ensure extensions are correct, prior to printing and submitting with bid packet. If a price discrepancy is found on the CD-RW, or the correct version of bid quantities is not submitted on the CD-RW which corresponds to the printed hard copy, then printed hard copy prices submitted with original bid documents, with Contractor signature, will prevail. However, calculations must be accurate and will be verified manually.

- Any bidder who designates a change on the outside of the envelope understands that any deletions or additions designated, bidder must further indicate the particular bid item relative to the deletion or addition, even if the deletion or addition references to deduct or add to the Total Base Bid.

#### **QUANTITY REVISIONS**

##### **Delete**

**426 Granville Light Fixture and Pole, Complete in Place 50 EA**

##### **Add**

**426 Granville Light Pole Assembly, LED 3 (Or City Approved Equal) Complete in Place to Include Concrete Foundation, Pole, Fixture, Grounding Security Lug and All Incidentals Model Number GVD3 P30 40K MVOLT LS GL3 BK ST TBK PR3 RPXXXY3 Receptacle provision 50 EA**

The Star of Alabama

**Delete**

~~427 Washington Light Fixture and Pole, Complete in Place 25 EA~~

**Add**

427 Enhanced Washington Postlite Light Pole Assembly with Breakaway Base, 400 Watt ( Or City Approved Equal) Complete in Place to Include Concrete Foundation, Pole, Fixture, Grounding, Security Lug and All Incidentals 10 EA

**Add**

429 2", Non-Metallic Conduit to Include Excavation, Stone Backfill, Fittings and All Incidentals 2,000 LF

430 #2 Triplex 600V UG Cable Furnish and Install 2,000 LF

431 6" Roadway Bore 500 LF

432 Quazite Box 12" x 12" 70 EA

433 Streetlight Meter Base HU Standards 5 LS

**Addenda will only be emailed to those bidders who attend and have signed in at the pre-bid meeting. All addenda, as well as other project information, are available for downloading on Engineering's website at [www.huntsvilleal.gov/engineeringbids](http://www.huntsvilleal.gov/engineeringbids). Acknowledgement of receipt/download from website of addenda is mandatory using Attachment "C" located in the Specifications and attachment must be submitted with bid package. Failure to do so shall be cause for rejection of the bid. It is the responsibility of all bidders to refer to the website for any updates. The attached pre-bid meeting minutes, all addenda and attachments for the above-referenced project will become part of the contract documents.**

**Attachments: Revised Quantities-Attachment A2**

**END OF ADDENDUM #4**

| ATTACHMENT "A2"                                     |                                                                                                                     |         |          |            |            |  | 12/16/21 |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|---------|----------|------------|------------|--|----------|
| Periodic Bid for Various Construction Projects-2021 |                                                                                                                     |         |          |            |            |  |          |
| Project No. 71-22-SP06                              |                                                                                                                     |         |          |            |            |  |          |
| BASE BID                                            |                                                                                                                     |         |          |            |            |  |          |
| ITEM #                                              | DESCRIPTION                                                                                                         | BID QTY | BID UNIT | UNIT PRICE | BID AMOUNT |  |          |
|                                                     | All prices include the removal and disposal, including hauling of soil and materials.                               |         |          |            |            |  |          |
| I. MOBILIZATION                                     |                                                                                                                     |         |          |            |            |  |          |
| 1                                                   | A. CONTRACT MOBILIZATION, (3% OF THE TOTAL COST OF THE WORK ORDER ADJUSTED FOR FINAL QUANTITIES)                    |         |          |            |            |  |          |
|                                                     | B. PROJECT MOBILIZATION                                                                                             |         |          |            |            |  |          |
| 2                                                   | Project Mobilization A (will be paid on projects that have a cost less than \$1,000.00)                             | 5       | EA       |            | \$0.00     |  |          |
| 3                                                   | Project Mobilization B (will be paid on projects that have a cost > or equal to \$1,000.00 but < than \$5,000.00)   | 10      | EA       |            | \$0.00     |  |          |
| 4                                                   | Project Mobilization C (will be paid on projects that have a cost > or equal to \$5,000.00 but < than \$10,000.00)  | 20      | EA       |            | \$0.00     |  |          |
| 5                                                   | Project Mobilization D (will be paid on projects that have a cost > or equal to \$10,000.00 but < than \$25,000.00) | 25      | EA       |            | \$0.00     |  |          |
| 6                                                   | Project Mobilization E (will be paid on projects that have a cost > or equal to \$25,000.00 but < than \$50,000.00) | 25      | EA       |            | \$0.00     |  |          |
| 7                                                   | Project Mobilization F (will be paid on projects that have a cost > or equal to \$50,000.00 but < than \$75,000.00) | 5       | EA       |            | \$0.00     |  |          |

|   |                                                                                                                      |   |    |  |  |        |
|---|----------------------------------------------------------------------------------------------------------------------|---|----|--|--|--------|
| 8 | Project Mobilization G (will be paid on projects that have a cost > or equal to \$75,000.00 but < than \$100,000.00) | 4 | EA |  |  | \$0.00 |
| 9 | Project Mobilization H (will be paid on projects that have a cost > than \$100,000.00 but < than \$200,000.00)       | 2 | EA |  |  | \$0.00 |

## II. STREET CONSTRUCTION

|    |                                                                                       |       |    |  |  |        |
|----|---------------------------------------------------------------------------------------|-------|----|--|--|--------|
| 10 | New City Std. (24") Concrete Curb and Gutter                                          | 1,000 | LF |  |  | \$0.00 |
| 11 | New "N" Type Curb shown on ALDOT Drawing #623-N Special, dated 3-21-81                | 100   | LF |  |  | \$0.00 |
| 12 | New (24") Concrete Valley Curb                                                        | 500   | LF |  |  | \$0.00 |
| 13 | 4" Thick Concrete for new sidewalk and/or traffic islands (Less than 200 SY)          | 500   | SY |  |  | \$0.00 |
| 14 | 4" Thick Concrete for new sidewalk and/or traffic islands (Between 200 SY and 500 SY) | 500   | SY |  |  | \$0.00 |
| 15 | 4" Thick Concrete for new sidewalk and/or traffic islands (Between 500 SY and 750 SY) | 500   | SY |  |  | \$0.00 |
| 16 | 4" Thick Concrete for new sidewalk and/or traffic islands (More than 1000 SY)         | 500   | SY |  |  | \$0.00 |
| 17 | 6" Thick Concrete for new sidewalk and/or traffic islands and/or driveways            | 200   | SY |  |  | \$0.00 |
| 18 | Removal of Concrete Curb and Gutter or Valley Gutter (Includes Disposal of Spoils)    | 500   | LF |  |  | \$0.00 |
| 19 | Handicap Ramps, Landings and Flares (All Configurations)                              | 100   | SY |  |  | \$0.00 |



|    |                                                                                                                                                                                                                                                                                          |        |       |  |        |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------|--|--------|
| 20 | Handicap Ramp 6" Wide Concrete Checkwall (Height Varies 0"-6")                                                                                                                                                                                                                           | 250    | LF    |  | \$0.00 |
| 21 | Handicap Ramp DWS Armor-Tile or Approved Equal (Red)                                                                                                                                                                                                                                     | 80     | SF    |  | \$0.00 |
| 22 | Handicap Ramp DWS Concrete Paver ACME Brick Company ADA Concrete Paver Item No. 824645 (Red) or Equal                                                                                                                                                                                    | 20     | SF    |  | \$0.00 |
| 23 | New Type "N" Special Safety Noses for islands and medians as shown on ALDOT Drawing #623-N Special, dated 3-21-81 (attached) Gores and/or Noses Type "B"                                                                                                                                 | 5      | EA    |  | \$0.00 |
| 24 | New 6" Thick Concrete Driveway Aprons                                                                                                                                                                                                                                                    | 80     | SY    |  | \$0.00 |
| 25 | Removal of Driveway Aprons                                                                                                                                                                                                                                                               | 80     | SY    |  | \$0.00 |
| 26 | New 4" Thick Concrete Driveway with 6X6W 2.9 reinforcing wire mesh                                                                                                                                                                                                                       | 80     | SY    |  | \$0.00 |
| 27 | New Standard Median Curb (COH Standard Drawing No. ST-202)                                                                                                                                                                                                                               | 50     | LF    |  | \$0.00 |
| 28 | Removal and Replacement of Single Wing "S" Type Inlet, Top Only, (COH Standard Drawing Nos. DR-120A, DR-120B, and DR-120C - ALL referenced DR Drawings found in the City of Huntsville Engineering Standards for Construction of Public Improvements 1991); Includes Disposal of Spoils) | 30     | EA    |  | \$0.00 |
| 29 | Removal and Replacement of Double Wing "S" Type Inlet, Top Only, (COH Standard Drawing Nos. DR-120A, DR-120B, and DR-120C; Includes Disposal of Spoils)                                                                                                                                  | 30     | EA    |  | \$0.00 |
| 30 | Removal of asphalt paving, other than by milling, per sq.yd./in. of thickness (Includes Disposal of Spoils)                                                                                                                                                                              | 10,000 | SY-IN |  | \$0.00 |

|    |                                                                                                                                                                                                            |        |       |  |  |        |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------|--|--|--------|
| 31 | Milling of Existing Asphalt Pavement (per square yard / inch of depth) - less than 100 SY                                                                                                                  | 10,000 | SY-IN |  |  | \$0.00 |
| 32 | Milling of Existing Asphalt Pavement (per square yard / inch of depth) - over 100 SY                                                                                                                       | 10,000 | SY-IN |  |  | \$0.00 |
| 33 | Removal of concrete sidewalk and concrete driveways (Includes Disposal of Spoils)                                                                                                                          | 500    | SY-IN |  |  | \$0.00 |
| 34 | Plant Mix Bituminous Base for Street Repair (trenches and patching) per ton in place in accordance with Section 327 per Standard Specifications, ALDOT                                                     | 100    | TONS  |  |  | \$0.00 |
| 35 | Plant Mix Bituminous Wearing Course for Street Repair (trenches and patching), per ton in place in accordance with Section 410 Standard Specifications, ALDOT                                              | 100    | TONS  |  |  | \$0.00 |
| 36 | Graded limestone rock for stabilization of roadway, subgrade. Price includes delivery of material to job site, dumping, spreading, and compacting. (delivery tickets)                                      | 5,000  | TONS  |  |  | \$0.00 |
| 37 | Manhole Risers                                                                                                                                                                                             | 10     | EA    |  |  | \$0.00 |
| 38 | 420A Polymer Modified Open Graded Friction Course, 90 Lbs/SY To Include Tack                                                                                                                               | 100    | TON   |  |  | \$0.00 |
| 39 | 424-C Superpave Bituminous Concrete Base Layer Leveling, 3/8" Maximum Aggregate Size, ESAL Range C/D                                                                                                       | 100    | TONS  |  |  | \$0.00 |
| 40 | Dense Graded Base, placed in accordance with Section 301 of the Standard Specifications, ALDOT. All materials shall be in accordance with Section 825, Type B, 100% compaction. Bid to include excavation. | 2,000  | TONS  |  |  | \$0.00 |

|    |                                                                                                                                                                                                                                                              |       |      |  |        |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------|--|--------|
| 41 | 424-A Superpave Bituminous Concrete Wearing Surface Layer - 3/8" Maximum Aggregate Size Mix ESAL Range C/D (Asphalt Spreader Equipment)                                                                                                                      | 1,000 | TONS |  | \$0.00 |
| 42 | 424-B Superpave Bituminous Concrete Binder Upper Layer - 1" Maximum Aggregate Size Mix, ESAL Range C/D (Asphalt Spreader Equipment)                                                                                                                          | 1,000 | TONS |  | \$0.00 |
| 43 | Dense Graded Base Material - placed and compacted along roadway shoulder. Price includes delivery of material to job site, dumping, spreading, and compacting (delivery tickets required). Traffic Control not included under this item. - LESS THAN 50 TONS | 100   | TONS |  | \$0.00 |
| 44 | Dense Graded Base Material - placed and compacted along roadway shoulder. Price includes delivery of material to job site, dumping, spreading, and compacting (delivery tickets required). Traffic Control not included under this item. 50-100 TONS         | 200   | TONS |  | \$0.00 |
| 45 | Dense Graded Base Material - placed and compacted along roadway shoulder. Price includes delivery of material to job site, dumping, spreading, and compacting (delivery tickets required). Traffic Control not included under this item. OVER 100 TONS       | 400   | TONS |  | \$0.00 |

| III. DRAINAGE CONSTRUCTION                                                             |                                                                                 |     |    |  |        |
|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-----|----|--|--------|
| A. EXCAVATION PER SECTION 105 COH STANDARDS                                            |                                                                                 |     |    |  |        |
| 1. Channel Excavation (measured in its original position computed by average end area) |                                                                                 |     |    |  |        |
| 46                                                                                     | Less than 200 Cubic Yards                                                       | 100 | CY |  | \$0.00 |
| 47                                                                                     | 200 - 500 Cubic Yards                                                           | 350 | CY |  | \$0.00 |
| 48                                                                                     | 2. Solid Rock Excavation (trench and channel rock; Includes Disposal of Spoils) | 60  | CY |  | \$0.00 |

|    |                                                                                                                                                                               |        |      |  |  |        |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------|--|--|--------|
|    | 3. Unclassified Excavation (includes removal and disposal from job site and/or reusing material at job site as backfill, fill, or topsoil, placed and compacted as directed). |        |      |  |  |        |
| 49 | Less than 200 Cubic Yards                                                                                                                                                     | 10,000 | CY   |  |  | \$0.00 |
| 50 | 200 - 500 Cubic Yards                                                                                                                                                         | 10,000 | CY   |  |  | \$0.00 |
| 51 | Over 500 Cubic Yards                                                                                                                                                          | 10,000 | CY   |  |  | \$0.00 |
|    | 4. Borrow Excavation, In Place Measurement                                                                                                                                    |        |      |  |  |        |
| 52 | Less than 200 Cubic Yards, in place measurement                                                                                                                               | 5,000  | CY   |  |  | \$0.00 |
| 53 | 200 - 500 Cubic Yards, in place measurement                                                                                                                                   | 5,000  | CY   |  |  | \$0.00 |
| 54 | Over 500 Cubic Yards, in place measurement                                                                                                                                    | 5,000  | CY   |  |  | \$0.00 |
|    | B. STONE RIP RAP CONSTRUCTION                                                                                                                                                 |        |      |  |  |        |
| 55 | 1. Stone obtained from jobsite and placed on ditch side slopes and/or in ditch bottom, 12" thick min.                                                                         | 30     | SY   |  |  | \$0.00 |
|    | 2. Stone hauled in and placed on ditch side slopes and/or in ditch bottom,                                                                                                    |        |      |  |  |        |
| 56 | Class 1 Rip Rap (Less than 200 Tons)                                                                                                                                          | 100    | TONS |  |  | \$0.00 |
| 57 | Class 1 Rip Rap (200 Tons or More)                                                                                                                                            | 300    | TONS |  |  | \$0.00 |
| 58 | Class 2 Rip Rap (Less than 200 Tons)                                                                                                                                          | 100    | TONS |  |  | \$0.00 |
| 59 | Class 2 Rip Rap (200 Tons or More)                                                                                                                                            | 300    | TONS |  |  | \$0.00 |



|    |  |                                                                                                                                                                                                 |     |      |  |        |
|----|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|--|--------|
|    |  |                                                                                                                                                                                                 |     |      |  |        |
|    |  | 3. Stone Riprap (grouted in place)<br>Type II Placement, Type II Finish                                                                                                                         |     |      |  |        |
| 60 |  | Class 1 Riprap, 12" thick min. (Less than 200 Tons)                                                                                                                                             | 100 | TONS |  | \$0.00 |
| 61 |  | Class 1 Riprap, 12" thick min. (200 Tons or More)                                                                                                                                               | 300 | TONS |  | \$0.00 |
| 62 |  | Class 2 Riprap (Less than 200 Tons)                                                                                                                                                             | 100 | TONS |  | \$0.00 |
| 63 |  | Class 2 Riprap (200 Tons or More)                                                                                                                                                               | 300 | TONS |  | \$0.00 |
| 64 |  | 4. Filter Fabric Blanket, Section 610 of ALDOT Specs                                                                                                                                            | 166 | SY   |  | \$0.00 |
|    |  | C. MISCELLANEOUS CONCRETE AND REINFORCING STEEL BARS                                                                                                                                            |     |      |  |        |
| 65 |  | Unreinforced Concrete (includes forming, pouring, finishing, complete-in-place)                                                                                                                 | 25  | CY   |  | \$0.00 |
| 66 |  | Reinforced Concrete (includes forming, pouring, finishing, steel reinforcement, complete-in-place).                                                                                             | 25  | CY   |  | \$0.00 |
| 67 |  | Concrete Flume (City of Huntsville Standard Drawing No. DR-161) *Price per square yard of surface area includes all reinforcement, joints, and miscellaneous items shown in the detail drawing. | 500 | SY   |  | \$0.00 |
| 68 |  | Concrete for Box Culvert and Wing Walls (Includes forming, steel reinforcement, pouring, and finishing, complete -in-place)                                                                     | 250 | CY   |  | \$0.00 |



|                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                     |     |    |  |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|--|--------|
| 69                                                                                                                                                                         | Reinforced Concrete Slope Paving with 4" Thick Gravel Base (City of Huntsville Standard Drawing Nos. DR-164A, DR-164B, DR-164C, DR-164D, and DR-164E *Price per square yard of surface area includes all reinforcement, joints, weep holes, filter fabric, and miscellaneous items shown on the detail drawings. (Less than 200 SY) | 199 | SY |  | \$0.00 |
| 70                                                                                                                                                                         | Reinforced Concrete Slope Paving with 4" Thick Gravel Base (City of Huntsville Standard Drawing Nos. DR-164A, DR-164B, DR-164C, DR-164D, and DR-164E *Price per square yard of surface area includes all reinforcement, joints, weep holes, filter fabric, and miscellaneous items shown on the detail drawings. (200 SY or More)   | 300 | SY |  | \$0.00 |
| D. NEW REINFORCED ROUND CONCRETE PIPE INSTALLED IN PLACE, PER LF (INCLUDES EXCAVATION DISPOSAL OF SPOILS, 6" STONE BEDDING, SOIL FROM EXCAVATION, BACKFILL AND COMPACTION) |                                                                                                                                                                                                                                                                                                                                     |     |    |  |        |
| 71                                                                                                                                                                         | 15" Class III R.C. Pipe, 0' - 8' depth                                                                                                                                                                                                                                                                                              | 800 | LF |  | \$0.00 |
| 72                                                                                                                                                                         | 15" Class III R.C. Pipe, 0' - 8' depth (Labor Only- COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation)                                                                                                                        | 800 | LF |  | \$0.00 |
| 73                                                                                                                                                                         | 18" Class III R.C. Pipe, 0' - 8' depth                                                                                                                                                                                                                                                                                              | 800 | LF |  | \$0.00 |
| 74                                                                                                                                                                         | 18" Class III R.C. Pipe, 0' - 8' depth (Labor Only- COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation)                                                                                                                        | 800 | LF |  | \$0.00 |

|    |                                                                                                                                                                                                             |     |    |  |        |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|--|--------|
| 75 | 24" Class III R.C. Pipe, 0' - 8' depth                                                                                                                                                                      | 480 | LF |  | \$0.00 |
| 76 | 24" Class III R.C. Pipe, 0' - 8' depth (Labor Only-COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation) | 480 | LF |  | \$0.00 |
| 77 | 30" Class III R.C. Pipe, 0' - 8' depth                                                                                                                                                                      | 400 | LF |  | \$0.00 |
| 78 | 30" Class III R.C. Pipe, 0' - 8' depth (Labor Only-COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation) | 400 | LF |  | \$0.00 |
| 79 | 36" Class III R.C. Pipe, 0' - 8' depth                                                                                                                                                                      | 88  | LF |  | \$0.00 |
| 80 | 36" Class III R.C. Pipe, 0' - 8' depth (Labor Only-COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation) | 88  | LF |  | \$0.00 |
| 81 | 42" Class III R.C. Pipe, 0' - 8' depth                                                                                                                                                                      | 60  | LF |  | \$0.00 |
| 82 | 42" Class III R.C. Pipe, 0' - 8' depth (Labor Only-COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation) | 60  | LF |  | \$0.00 |
| 83 | 48" Class III R.C. Pipe, 0' - 8' depth                                                                                                                                                                      | 60  | LF |  | \$0.00 |
| 84 | 48" Class III R.C. Pipe, 0' - 8' depth (Labor Only-COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation) | 60  | LF |  | \$0.00 |
| 85 | 54" Class III R.C. Pipe, 0' - 8' depth                                                                                                                                                                      | 60  | LF |  | \$0.00 |

|                                                                                                                                                                      |                                                                                                                                                                                                              |    |    |  |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|--|--------|
| 86                                                                                                                                                                   | 54" Class III R.C. Pipe, 0' - 8' depth (Labor Only- COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation) | 60 | LF |  | \$0.00 |
| 87                                                                                                                                                                   | 60" Class III R.C. Pipe, 0' - 8' depth                                                                                                                                                                       | 60 | LF |  | \$0.00 |
| 88                                                                                                                                                                   | 60" Class III R.C. Pipe, 0' - 8' depth (Labor Only- COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation) | 60 | LF |  | \$0.00 |
| 89                                                                                                                                                                   | 66" Class III R.C. Pipe, 0' - 8' depth                                                                                                                                                                       | 60 | LF |  | \$0.00 |
| 90                                                                                                                                                                   | 66" Class III R.C. Pipe, 0' - 8' depth (Labor Only- COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation) | 60 | LF |  | \$0.00 |
| 91                                                                                                                                                                   | 72" Class III R.C. Pipe, 0' - 8' depth                                                                                                                                                                       | 60 | LF |  | \$0.00 |
| 92                                                                                                                                                                   | 72" Class III R.C. Pipe, 0' - 8' depth (Labor Only- COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation) | 60 | LF |  | \$0.00 |
| E. NEW REINFORCED CL III CONCRETE ARCH PIPE INSTALLED IN PLACE PER LF (INCLUDES DISPOSAL OF SPOILS, 6" STONE BEDDING, SOIL FROM EXCAVATION, BACKFILL AND COMPACTION) |                                                                                                                                                                                                              |    |    |  |        |
| 93                                                                                                                                                                   | 11" X 18" Class III R.C. Arch Pipe, 0' - 8' depth                                                                                                                                                            | 60 | LF |  | \$0.00 |



|     |                                                                                                                                                                                                                                   |    |    |  |        |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|--|--------|
| 94  | 11" X 18" Class III R.C. Arch Pipe, 0' - 8' depth<br>(Labor Only-COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation)         | 60 | LF |  | \$0.00 |
| 95  | 13" x 22" Class III R.C. Arch Pipe, 0' - 8' depth                                                                                                                                                                                 | 60 | LF |  | \$0.00 |
| 96  | 13" x 22" Class III R.C. Arch Pipe, 0' - 8' depth<br>(Labor Only-COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation)         | 60 | LF |  | \$0.00 |
| 97  | 18" x 29" Class III R.C. Arch Pipe, 0' - 8' depth                                                                                                                                                                                 | 60 | LF |  | \$0.00 |
| 98  | 18" x 29" Class III R.C. Arch Pipe, 0' - 8' depth<br>(Labor Only-COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation)         | 60 | LF |  | \$0.00 |
| 99  | 22-1/2" x 36-1/4" Class III R.C. Arch Pipe, 0' - 8' depth                                                                                                                                                                         | 60 | LF |  | \$0.00 |
| 100 | 22-1/2" x 36-1/4" Class III R.C. Arch Pipe, 0' - 8' depth<br>(Labor Only-COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation) | 60 | LF |  | \$0.00 |
| 101 | 26-5/8" x 43-3/4" Class III R.C. Arch Pipe, 0' - 8' depth                                                                                                                                                                         | 60 | LF |  | \$0.00 |
| 102 | 26-5/8" x 43-3/4" Class III R.C. Arch Pipe, 0' - 8' depth<br>(Labor Only-COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation) | 60 | LF |  | \$0.00 |

|                                                                                                                                                           |                                                                                                                                                                                                                                 |    |    |  |  |        |
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| 103                                                                                                                                                       | 31-5/16" x 51-1/8" Class III R.C. Arch Pipe, 0' - 8' depth                                                                                                                                                                      | 60 | LF |  |  | \$0.00 |
| 104                                                                                                                                                       | 31-5/16" x 51-1/8" Class III R.C. Arch Pipe, 0' - 8' depth (Labor Only-COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation) | 60 | LF |  |  | \$0.00 |
| 105                                                                                                                                                       | 36" x 58" Class III R.C. Arch Pipe, 0' - 8' depth                                                                                                                                                                               | 60 | LF |  |  | \$0.00 |
| 106                                                                                                                                                       | 36" x 58" Class III R.C. Arch Pipe, 0' - 8' depth (Labor Only-COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation)          | 60 | LF |  |  | \$0.00 |
| 107                                                                                                                                                       | 40" x 65" Class III R.C. Arch Pipe, 0' - 8' depth                                                                                                                                                                               | 60 | LF |  |  | \$0.00 |
| 108                                                                                                                                                       | 40" x 65" Class III R.C. Arch Pipe, 0' - 8' depth (Labor Only-COH will purchase pipe; Contractor responsible for coordinating delivery of the pipe, unloading, and providing all equipment and labor for installation)          | 60 | LF |  |  | \$0.00 |
| F. NEW PRECAST FLARED PIPE END SECTIONS (TYPE I) INSTALLED IN PLACE (INCLUDES DISPOSAL OF SPOILS, BEDDING, SOIL FROM EXCAVATION, BACKFILL AND COMPACTION) |                                                                                                                                                                                                                                 |    |    |  |  |        |
| 109                                                                                                                                                       | 15" Flared End Section                                                                                                                                                                                                          | 10 | EA |  |  | \$0.00 |
| 110                                                                                                                                                       | 18" Flared End Section                                                                                                                                                                                                          | 10 | EA |  |  | \$0.00 |
| 111                                                                                                                                                       | 24" Flared End Section                                                                                                                                                                                                          | 10 | EA |  |  | \$0.00 |
| 112                                                                                                                                                       | 30" Flared End Section                                                                                                                                                                                                          | 5  | EA |  |  | \$0.00 |



|     |                                                                                       |  |    |    |  |        |
|-----|---------------------------------------------------------------------------------------|--|----|----|--|--------|
| 113 | 36" Flared End Section                                                                |  | 5  | EA |  | \$0.00 |
| 114 | 42" Flared End Section                                                                |  | 5  | EA |  | \$0.00 |
|     | G. CONSTRUCTION OF SINGLE "S" INLET,<br>(DRAWING NOS. DR-120A, DR-120B, DR-120C)      |  |    |    |  |        |
| 115 | Standard Size, 4'-0" x 4'-6" Box and 8'-6" wing, (0'-6' depth)                        |  | 10 | EA |  | \$0.00 |
|     | H. CONSTRUCTION OF DOUBLE "S" TYPE<br>INLET, (DRAWING NOS. DR-120A, DR-120B, DR-120C) |  |    |    |  |        |
| 116 | Standard Size, 4'-0" x 4'-6" Box and 8'-6" wing, (0'-6' depth)                        |  | 4  | EA |  | \$0.00 |
|     | I. CONSTRUCTION OF SINGLE CURB INLET<br>(DRAWING NOS. DR-105A, DR-105B)               |  |    |    |  |        |
| 117 | Standard Size, (0'-6' depth)                                                          |  | 4  | EA |  | \$0.00 |
|     | J. CONSTRUCTION OF DOUBLE CURB INLET,<br>(DRAWING NOS. DR-110A AND DR-110B)           |  |    |    |  |        |
| 118 | Standard Size, (0'-6' depth)                                                          |  | 4  | EA |  | \$0.00 |
|     | K. CONSTRUCTION OF OPEN THROAT<br>INLET, (DRAWING NOS. DR-127A, DR-127B, DR-127C)     |  |    |    |  |        |
| 119 | Standard Size, (4'-4" x 4'-4" Box, 0'-6' depth)                                       |  | 10 | EA |  | \$0.00 |
|     | L. CONSTRUCTION OF OPEN THROAT<br>INLET, (TYPE "M"). See Attachment "N" for Detail.   |  |    |    |  |        |
| 120 | Standard Size (4'-9" x 4' Box, 0'-6' depth)                                           |  | 4  | EA |  | \$0.00 |

|     |                                                                                      |   |    |  |        |  |
|-----|--------------------------------------------------------------------------------------|---|----|--|--------|--|
|     | M. CONSTRUCTION OF OPEN THROAT INLET, (TYPE "C"). See Attachment "M" for Detail.     |   |    |  |        |  |
| 121 | Standard Size (4'-9" x 4' Box, 0'-6' depth)                                          | 4 | EA |  | \$0.00 |  |
|     | N. CONSTRUCTION OF GRATE INLET, TRAFFIC TYPE (DRAWING NOS. DR-125A AND DR-125B)      |   |    |  |        |  |
| 122 | Standard Size, (3'-6" x 3'-6" Box, 0'-6' depth)                                      | 5 | EA |  | \$0.00 |  |
|     | O. CONSTRUCTION OF GRATE INLET TRAFFIC TYPE (DRAWING NOS. DR-125C, AND DR-125D)      |   |    |  |        |  |
| 123 | Standard Size (6'-0" x 5'-0" Box, 0'-6' deep)                                        | 2 | EA |  | \$0.00 |  |
|     | P. CONSTRUCTION OF GRATE INLET, NON-TRAFFIC TYPE (DRAWING NOS. DR-126A AND DR-126B)  |   |    |  |        |  |
| 124 | Standard Size, (3'-6" x 3'-6" Box, 0'-6' depth)                                      | 4 | EA |  | \$0.00 |  |
|     | Q. CONSTRUCTION OF GRATE INLET, NON-TRAFFIC TYPE (DRAWING NOS. DR-126C, and DR-126D) |   |    |  |        |  |
| 125 | Standard Size (6' x 5' Box, 0'-6' deep)                                              | 2 | EA |  | \$0.00 |  |
|     | R. CONSTRUCTION OF JUNCTION BOX, TRAFFIC TYPE (DRAWING NOS. DR-140A AND DR-140B)     |   |    |  |        |  |
| 126 | Standard Size (3'-6" x 3'-6" Box, 0'-6' depth)                                       | 4 | EA |  | \$0.00 |  |
|     | S. CONSTRUCTION OF JUNCTION BOX, TRAFFIC TYPE (DRAWING NOS. DR-141A AND DR-141B)     |   |    |  |        |  |
| 127 | Standard Size (6'-0" x 5'-0" Box, 0'-6' deep)                                        | 2 | EA |  | \$0.00 |  |

|     |                                                                                                     |    |    |  |        |
|-----|-----------------------------------------------------------------------------------------------------|----|----|--|--------|
|     | T. TIE IN EXISTING PIPE TO NEW DRAINAGE BOX                                                         |    |    |  |        |
| 128 | Up to 24" diameter or width                                                                         | EA | 11 |  | \$0.00 |
| 129 | 30" to 48" diameter or width                                                                        | EA | 3  |  | \$0.00 |
| 130 | Over 48" diameter or width                                                                          | EA | 2  |  | \$0.00 |
|     | U. DRAINAGE BOXES ADDED WIDTHS AND DEPTHS                                                           |    |    |  |        |
| 131 | Additional 0.5' of width, price each (for all boxes) - Items #G, H, I, J, K, L, M, N, O, P, Q, R, S | EA | 40 |  | \$0.00 |
| 132 | Additional 0.5' of depth, price each (for all boxes) Items #G, H, I, J, K, L, M, N, O, P, Q, R, S   | EA | 5  |  | \$0.00 |
|     | V. CONSTRUCTION OF CONCRETE HEADWALL (DRAWING NOS. DR-150A, DR-150B)                                |    |    |  |        |
| 133 | 12" or 15" pipe                                                                                     | EA | 1  |  | \$0.00 |
| 134 | 18" pipe                                                                                            | EA | 1  |  | \$0.00 |
| 135 | 24" pipe                                                                                            | EA | 1  |  | \$0.00 |
| 136 | 30" pipe                                                                                            | EA | 1  |  | \$0.00 |
| 137 | 36" pipe                                                                                            | EA | 1  |  | \$0.00 |
| 138 | 42" pipe                                                                                            | EA | 1  |  | \$0.00 |
| 139 | 48" pipe                                                                                            | EA | 1  |  | \$0.00 |

|     |                                                                                                                                                                                             |    |    |  |  |  |  |        |  |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|--|--|--|--|--------|--|
|     | W. CONSTRUCTION OF HEADWALL FOR<br>DOUBLE PIPE (DRAWING NOS. DR-151A,<br>DR-151B)                                                                                                           |    |    |  |  |  |  |        |  |
| 140 | 18" pipe                                                                                                                                                                                    | 1  | EA |  |  |  |  | \$0.00 |  |
| 141 | 24" pipe                                                                                                                                                                                    | 1  | EA |  |  |  |  | \$0.00 |  |
| 142 | 30" pipe                                                                                                                                                                                    | 1  | EA |  |  |  |  | \$0.00 |  |
| 143 | 36" pipe                                                                                                                                                                                    | 1  | EA |  |  |  |  | \$0.00 |  |
| 144 | 42" pipe                                                                                                                                                                                    | 1  | EA |  |  |  |  | \$0.00 |  |
| 145 | 48" pipe                                                                                                                                                                                    | 1  | EA |  |  |  |  | \$0.00 |  |
| 146 | X. SLOPE PAVED HEADWALLS FOR PIPE,<br>PRICE PER SQUARE YARD OF EXPOSED<br>SURFACE. (DRAWING NOS. DR-152A,<br>DR-152B, DR-152C, DR-153A, DR-153B,<br>DR-153C, DR-153D)                       | 21 | SY |  |  |  |  | \$0.00 |  |
|     | Y. TRENCH DRAIN CHANNELS AND GRATES                                                                                                                                                         |    |    |  |  |  |  |        |  |
| 147 | Trench Grate with sloped channel includes forming,<br>concrete, and all materials, complete in place (see<br>attachment P)                                                                  | 30 | LF |  |  |  |  | \$0.00 |  |
| 148 | Trench Grate with Flat channel including 12" wide<br>(traffic) gray iron (class 30) slotted grate includes<br>forming, concrete, and all materials, complete in<br>place (see attachment O) | 30 | LF |  |  |  |  | \$0.00 |  |
| 149 | Tie Ins - Channels to existing drainage structure<br>(pipe or box)                                                                                                                          | 10 | EA |  |  |  |  | \$0.00 |  |
| 150 | Heavy Duty Vane Type Grate Inlet including frame<br>(Neenah R-4999-L3, or equal)                                                                                                            | 26 | LF |  |  |  |  | \$0.00 |  |

|     |                                                                                                                                                                                                                                                                                                                                       |     |    |  |        |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|--|--------|
| 151 | Concrete Trench for Heavy Duty Vane Type Grate, 12" trench width, depth 12" - 18". Construction and installation per manufacturer's recommendations                                                                                                                                                                                   | 26  | LF |  | \$0.00 |
|     | Z. SAFETY GRATES FOR FLARED END PIPE SECTIONS, CROSSING UNDER ROADWAY                                                                                                                                                                                                                                                                 |     |    |  |        |
| 152 | 24" Flared End Pipe Section                                                                                                                                                                                                                                                                                                           | 10  | EA |  | \$0.00 |
| 153 | 30" Flared End Pipe Section                                                                                                                                                                                                                                                                                                           | 10  | EA |  | \$0.00 |
| 154 | 36" Flared End Pipe Section                                                                                                                                                                                                                                                                                                           | 10  | EA |  | \$0.00 |
| 155 | 42" Flared End Pipe Section                                                                                                                                                                                                                                                                                                           | 10  | EA |  | \$0.00 |
| 156 | 48" Flared End Pipe Section                                                                                                                                                                                                                                                                                                           | 10  | EA |  | \$0.00 |
| 157 | 54" Flared End Pipe Section                                                                                                                                                                                                                                                                                                           | 10  | EA |  | \$0.00 |
|     | AA. NEW HIGH DENSITY POLYETHYLENE PIPE (N-12) OR EQUAL INSTALLED IN PLACE, PER LF INCLUDES EXCAVATION, STONE BEDDING, STONE BACKFILL, AND DISPOSAL OF SPOILS (INSTALLED PER ASTM D2321-LATEST EDITION OR MANUFACTURER'S RECOMMENDATIONS, PIPE WILL BE CORRUGATED/SMOOTH INTERIOR PIPE (TYPE S) ASTM F2306 AND AASHT (LATEST EDITION)) |     |    |  |        |
| 158 | 4" Pipe, 0-6' deep                                                                                                                                                                                                                                                                                                                    | 200 | LF |  | \$0.00 |
| 159 | 6" Pipe, 0-6' deep                                                                                                                                                                                                                                                                                                                    | 200 | LF |  | \$0.00 |
| 160 | 8" Pipe, 0-8' deep                                                                                                                                                                                                                                                                                                                    | 200 | LF |  | \$0.00 |
| 161 | 10" Pipe, 0-8' deep                                                                                                                                                                                                                                                                                                                   | 200 | LF |  | \$0.00 |
| 162 | 12" Pipe, 0-8' deep                                                                                                                                                                                                                                                                                                                   | 200 | LF |  | \$0.00 |



|     |                                                                                                                                                                                                                                |     |    |  |        |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|--|--------|
| 163 | 15" Pipe, 0-8' deep                                                                                                                                                                                                            | 400 | LF |  | \$0.00 |
| 164 | 18" Pipe, 0-8' deep                                                                                                                                                                                                            | 400 | LF |  | \$0.00 |
| 165 | 24" Pipe, 0-8' deep                                                                                                                                                                                                            | 200 | LF |  | \$0.00 |
| 166 | 30" Pipe, 0-8' deep                                                                                                                                                                                                            | 100 | LF |  | \$0.00 |
| 167 | 36" Pipe, 0-8' deep                                                                                                                                                                                                            | 100 | LF |  | \$0.00 |
|     | BB. NEW HIGH DENSITY POLYPROPYLENE CORRUGATED STORM PIPE (SMOOTH INTERIOR PIPE), CONFORMING TO ASTM F2736 AND ASTM F2764. PRICE INCLUDES EXCAVATION, STONE BEDDING, STONE BACKFILL, AND DISPOSAL OF SPOILS (COMPLETE IN PLACE) |     |    |  |        |
| 168 | 12" Pipe, 0-8' deep                                                                                                                                                                                                            | 200 | LF |  | \$0.00 |
| 169 | 12" Pipe, 0-8" deep (Labor Only - COH will purchase pipe. Contractor responsible for coordinating delivery of pipe, unloading and providing all equipment and labor for installation.)                                         | 60  | LF |  | \$0.00 |
| 170 | 15" Pipe, 0-8' deep                                                                                                                                                                                                            | 400 | LF |  | \$0.00 |
| 171 | 15" Pipe, 0-8" deep (Labor Only - COH will purchase pipe. Contractor responsible for coordinating delivery of pipe, unloading and providing all equipment and labor for installation.)                                         | 120 | LF |  | \$0.00 |
| 172 | 18" Pipe, 0-8' deep                                                                                                                                                                                                            | 400 | LF |  | \$0.00 |
| 173 | 18" Pipe, 0-8" deep (Labor Only - COH will purchase pipe. Contractor responsible for coordinating delivery of pipe, unloading and providing all equipment and labor for installation.)                                         | 120 | LF |  | \$0.00 |

|     |                                                                                                                                                                                        |     |    |  |        |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|--|--------|
| 174 | 24" Pipe, 0-8' deep                                                                                                                                                                    | 400 | LF |  | \$0.00 |
| 175 | 24" Pipe, 0-8" deep (Labor Only - COH will purchase pipe. Contractor responsible for coordinating delivery of pipe, unloading and providing all equipment and labor for installation.) | 120 | LF |  | \$0.00 |
| 176 | 30" Pipe, 0-8' deep                                                                                                                                                                    | 120 | LF |  | \$0.00 |
| 177 | 30" Pipe, 0-8" deep (Labor Only - COH will purchase pipe. Contractor responsible for coordinating delivery of pipe, unloading and providing all equipment and labor for installation.) | 120 | LF |  | \$0.00 |
| 178 | 36" Pipe, 0-8' deep                                                                                                                                                                    | 60  | LF |  | \$0.00 |
| 179 | 36" Pipe, 0-8" deep (Labor Only - COH will purchase pipe. Contractor responsible for coordinating delivery of pipe, unloading and providing all equipment and labor for installation.) | 60  | LF |  | \$0.00 |
| 180 | 42" Pipe, 0-8' deep                                                                                                                                                                    | 60  | LF |  | \$0.00 |
| 181 | 42" Pipe, 0-8" deep (Labor Only - COH will purchase pipe. Contractor responsible for coordinating delivery of pipe, unloading and providing all equipment and labor for installation.) | 60  | LF |  | \$0.00 |
| 182 | 48" Pipe, 0-8' deep                                                                                                                                                                    | 60  | LF |  | \$0.00 |
| 183 | 48" Pipe, 0-8" deep (Labor Only - COH will purchase pipe. Contractor responsible for coordinating delivery of pipe, unloading and providing all equipment and labor for installation.) | 60  | LF |  | \$0.00 |
| 184 | 54" Pipe, 0-8' deep                                                                                                                                                                    | 60  | LF |  | \$0.00 |

|     |                                                                                                                                                                                        |     |    |  |        |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|--|--------|
| 185 | 54" Pipe, 0-8" deep (Labor Only - COH will purchase pipe. Contractor responsible for coordinating delivery of pipe, unloading and providing all equipment and labor for installation.) | 60  | LF |  | \$0.00 |
| 186 | 60" Pipe, 0-8' deep                                                                                                                                                                    | 60  | LF |  | \$0.00 |
| 187 | 60" Pipe, 0-8" deep (Labor Only - COH will purchase pipe. Contractor responsible for coordinating delivery of pipe, unloading and providing all equipment and labor for installation.) | 60  | LF |  | \$0.00 |
|     | CC. PVC PIPE, SURFACE DRAINAGE BASINS AND DUCTILE IRON GRATES AS MANUFACTURED BY NYOPLAST OR APPROVED EQUAL. SEE ATTACHMENT "R"                                                        |     |    |  |        |
|     | 1. BASINS                                                                                                                                                                              |     |    |  |        |
| 188 | 15" Basin, 0'-5' deep, Complete in place                                                                                                                                               | 20  | EA |  | \$0.00 |
| 189 | 18" Basin, 0'-5' deep, Complete in place                                                                                                                                               | 20  | EA |  | \$0.00 |
| 190 | 24" Basin, 0'-5' deep, Complete in place                                                                                                                                               | 20  | EA |  | \$0.00 |
| 191 | 30" Basin, 0'-5' deep, Complete in place                                                                                                                                               | 10  | EA |  | \$0.00 |
| 192 | Open Trench / Direct Bury Installation (Note: Pipe color shall be red, orange or gray) - 3" Sch. 40 PVC pipe (material and labor)                                                      | 200 | LF |  | \$0.00 |
| 193 | Open Trench / Direct Bury Installation (Note: Pipe color shall be red, orange or gray) - 3" Sch. 40 PVC pipe (labor only - material furnished by City of Huntsville)                   | 200 | LF |  | \$0.00 |
| 194 | Open Trench / Direct Bury Installation (Note: Pipe color shall be red, orange or gray) - 4" Sch. 40 PVC pipe (material and labor)                                                      | 200 | LF |  | \$0.00 |



|     |                                                                                                                                                                      |     |    |  |  |        |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|--|--|--------|
| 195 | Open Trench / Direct Bury Installation (Note: Pipe color shall be red, orange or gray) - 4" Sch. 40 PVC pipe (labor only - material furnished by City of Huntsville) | 200 | LF |  |  | \$0.00 |
| 196 | Open Trench / Direct Bury Installation (Note: Pipe color shall be red, orange or gray) - 5" Sch. 40 PVC pipe (material and labor)                                    | 200 | LF |  |  | \$0.00 |
| 197 | Open Trench / Direct Bury Installation (Note: Pipe color shall be red, orange or gray) - 5" Sch. 40 PVC pipe (labor only - material furnished by City of Huntsville) | 200 | LF |  |  | \$0.00 |
| 198 | Open Trench / Direct Bury Installation (Note: Pipe color shall be red, orange or gray) - 6" Sch. 40 PVC pipe (material and labor)                                    | 200 | LF |  |  | \$0.00 |
| 199 | Open Trench / Direct Bury Installation (Note: Pipe color shall be red, orange or gray) - 6" Sch. 40 PVC pipe (labor only - material furnished by City of Huntsville) | 200 | LF |  |  | \$0.00 |
| 200 | Directional Boring Installation (Note: Pipe color shall be red or orange) - 3" HDPE PIPE (Material and Labor)                                                        | 200 | LF |  |  | \$0.00 |
| 201 | Directional Boring Installation (Note: Pipe color shall be red or orange) - 3" HDPE PIPE (labor only - material furnished by City of Huntsville)                     | 200 | LF |  |  | \$0.00 |
| 202 | Directional Boring Installation (Note: Pipe color shall be red or orange) - 4" HDPE PIPE (Material and Labor)                                                        | 200 | LF |  |  | \$0.00 |
| 203 | Directional Boring Installation (Note: Pipe color shall be red or orange) - 4" HDPE PIPE (labor only - material furnished by City of Huntsville)                     | 200 | LF |  |  | \$0.00 |

|     |                                                                                                                                                  |     |    |  |  |        |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|--|--|--------|
| 204 | Directional Boring Installation (Note: Pipe color shall be red or orange) - 5" HDPE PIPE (Material and Labor)                                    | 200 | LF |  |  | \$0.00 |
| 205 | Directional Boring Installation (Note: Pipe color shall be red or orange) - 5" HDPE PIPE (labor only - material furnished by City of Huntsville) | 200 | LF |  |  | \$0.00 |
| 206 | Directional Boring Installation (Note: Pipe color shall be red or orange) - 6" HDPE PIPE (Material and Labor)                                    | 200 | LF |  |  | \$0.00 |
| 207 | Directional Boring Installation (Note: Pipe color shall be red or orange) - 6" HDPE PIPE (labor only - material furnished by City of Huntsville) | 200 | LF |  |  | \$0.00 |
|     | 2.DUCTILE IRON GRATES FOR BASINS<br>CONFORMING TO ASTM A536 GRADE 70-50-05<br>FOR DUCTILE IRON.                                                  |     |    |  |  |        |
| 208 | 15" Standard H-20 Hinged                                                                                                                         | 20  | EA |  |  | \$0.00 |
| 209 | 18" Standard H-20                                                                                                                                | 20  | EA |  |  | \$0.00 |
| 210 | 24" Standard H-20                                                                                                                                | 20  | EA |  |  | \$0.00 |
| 211 | 30" Standard H-20                                                                                                                                | 10  | EA |  |  | \$0.00 |
| 212 | 15" Pedestrian H-10 Hinged                                                                                                                       | 10  | EA |  |  | \$0.00 |
| 213 | 18" Pedestrian H-10                                                                                                                              | 10  | EA |  |  | \$0.00 |
| 214 | 24" Pedestrian H-10                                                                                                                              | 10  | EA |  |  | \$0.00 |
| 215 | 30" Pedestrian H-10                                                                                                                              | 10  | EA |  |  | \$0.00 |
| 216 | In Line Inlet including Riser and Tee, 0'-5' deep                                                                                                | 10  | EA |  |  | \$0.00 |



|                                                                                                                                        |                                                                                                                                                                                             |     |    |  |  |        |
|----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|--|--|--------|
| 217                                                                                                                                    | MISCELLANEOUS STONE BACKFILL<br>(ANY SIZE), IN PLACE MEASUREMENT                                                                                                                            | 50  | CY |  |  | \$0.00 |
| 218                                                                                                                                    | 4" Corrugated Polyethylene Slotted Pipe w/sock, 0'-5' deep installed in place, per LF (includes excavation, bedding, backfill to grade, and disposal of spoils) - stone paid for separately | 200 | LF |  |  | \$0.00 |
| 219                                                                                                                                    | 6" Corrugated Polyethylene Slotted Pipe w/sock, 0'-5' deep installed in place, per LF (includes excavation, bedding, backfill to grade, and disposal of spoils) - stone paid for separately | 200 | LF |  |  | \$0.00 |
| 220                                                                                                                                    | 4" French Drain installed in place, per LF (includes excavation, bedding, stone, filter fabric, backfill to grade, and disposal of spoils)                                                  | 200 | LF |  |  | \$0.00 |
| 221                                                                                                                                    | 6" French Drain installed in place, per LF (includes excavation, bedding, stone, filter fabric, backfill to grade, and disposal of spoils)                                                  | 200 | LF |  |  | \$0.00 |
| <b>IV. SANITARY SEWER FACILITIES</b>                                                                                                   |                                                                                                                                                                                             |     |    |  |  |        |
| 222                                                                                                                                    | A. NEW PRECAST MANHOLE UNITS, 48" INSIDE DIAMETER INSTALLED IN PLACE, PRICE PER FOOT OF HEIGHT INCLUDING MANHOLE FRAME AND COVER.                                                           | 30  | VF |  |  | \$0.00 |
| 223                                                                                                                                    | Adjust manhole tops to match existing or proposed grade                                                                                                                                     | 30  | VF |  |  | \$0.00 |
| <b>B. NEW SDR26, POLYVINYL CHLORIDE PIPE, INSTALLED IN PLACE, PER LF INCLUDES EXCAVATION, BEDDING, BACKFILL AND DISPOSAL OF SPOILS</b> |                                                                                                                                                                                             |     |    |  |  |        |
| 224                                                                                                                                    | 6" Pipe, 0-8' depth                                                                                                                                                                         | 40  | LF |  |  | \$0.00 |
| 225                                                                                                                                    | 8" Pipe, 0-8' depth                                                                                                                                                                         | 40  | LF |  |  | \$0.00 |

|                                                                                                   |                                                              |    |       |  |        |
|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------|----|-------|--|--------|
| 226                                                                                               | 10" Pipe, 0-8' depth                                         | 40 | LF    |  | \$0.00 |
| 227                                                                                               | 12" Pipe, 0-8' depth                                         | 40 | LF    |  | \$0.00 |
| 228                                                                                               | 15" Pipe, 0-8' depth                                         | 40 | LF    |  | \$0.00 |
| C. NEW CLASS 350 DUCTILE IRON PIPE, INCLUDES EXCAVATION, BEDDING, BACKFILL AND DISPOSAL OF SPOILS |                                                              |    |       |  |        |
| 229                                                                                               | 8" Pipe, 0-8' depth                                          | 40 | LF    |  | \$0.00 |
| 230                                                                                               | 10" Pipe, 0-8' depth                                         | 40 | LF    |  | \$0.00 |
| 231                                                                                               | 14" Pipe, 0-8' depth                                         | 40 | LF    |  | \$0.00 |
| 232                                                                                               | 16" Pipe, 0-8' depth                                         | 40 | LF    |  | \$0.00 |
| 233                                                                                               | 18" Pipe, 0-8' depth                                         | 40 | LF    |  | \$0.00 |
| 234                                                                                               | 24" Pipe, 0-8' depth                                         | 40 | LF    |  | \$0.00 |
| 235                                                                                               | D. EXTRA DEPTH OF CUT GREATER THAN 8 FEET, PER FOOT OF DEPTH | 1  | LF/FT |  | \$0.00 |
| 236                                                                                               | E. 4" PVC LATERAL TO INCLUDE CLEAN OUT                       | 16 | LF    |  | \$0.00 |
| 237                                                                                               | F. 4" DI LATERAL TO INCLUDE CLEAN OUT                        | 16 | LF    |  | \$0.00 |
| 238                                                                                               | G. 6" PVC LATERAL TO INCLUDE CLEAN OUT                       | 16 | LF    |  | \$0.00 |
| 239                                                                                               | H. 6" DI LATERAL TO INCLUDE CLEAN OUT                        | 16 | LF    |  | \$0.00 |

[illegible]

|     |  |                                                                                                                                       |       |    |  |  |  |        |  |
|-----|--|---------------------------------------------------------------------------------------------------------------------------------------|-------|----|--|--|--|--------|--|
|     |  | 5. Installation of carrier pipe inside encasement pipe per City of Huntsville Design and Acceptance Manual for Sanitary Sewers        |       |    |  |  |  |        |  |
| 248 |  | 8"-10" Ductile Iron Gravity Line                                                                                                      | 140   | LF |  |  |  | \$0.00 |  |
| 249 |  | 12"-16" Ductile Iron Gravity Line                                                                                                     | 140   | LF |  |  |  | \$0.00 |  |
|     |  | 6. Spacers -- 14 Gauge, Type 316 Stainless Steel with Minimum 0.09" Thick PVC Shell Liner                                             |       |    |  |  |  |        |  |
| 250 |  | Less than 8"-10" pipe                                                                                                                 | 18    | EA |  |  |  | \$0.00 |  |
| 251 |  | Greater than 12"-16" pipe                                                                                                             | 18    | EA |  |  |  | \$0.00 |  |
|     |  | <b>V. EARTHWORK CONSTRUCTION</b>                                                                                                      |       |    |  |  |  |        |  |
|     |  | <b>A. SITE GRADING</b>                                                                                                                |       |    |  |  |  |        |  |
|     |  | 1. Scraper Operation                                                                                                                  |       |    |  |  |  |        |  |
| 252 |  | Stripping and Grading (Unclassified excavation) includes removal and stockpiling material on-site or spreading and compacting on-site | 1,000 | CY |  |  |  | \$0.00 |  |
| 253 |  | Respreading Operation , includes removing dirt from stockpile on-site, respreading, and compacting                                    | 1,000 | CY |  |  |  | \$0.00 |  |
|     |  | 2. Front End Loader, Track hoe, Gradall, and Hoe Ram Operation                                                                        |       |    |  |  |  |        |  |
| 254 |  | Unclassified excavation with front end loader, track hoe, or gradall equipment, Disposal of material on-site or reused on-site        | 1,000 | CY |  |  |  | \$0.00 |  |

|     |                                                                                                                                                                                      |        |         |  |        |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|--|--------|
| 255 | Solid Rock Excavation using Hoe Ram for Small Projects                                                                                                                               | 100    | CY      |  | \$0.00 |
|     | B. TRUCKING                                                                                                                                                                          |        |         |  |        |
| 256 | Loading and hauling unclassified excavation to include rock to a city specified site and dumping material. (Truck measure round trip distance)                                       | 20,000 | CY-MILE |  | \$0.00 |
| 257 | Loading, Hauling, and Disposal of Unclassified Excavation to include Rock                                                                                                            | 1,000  | CY      |  | \$0.00 |
| 258 | Loading and hauling of non-perishable construction materials from city job site (other than unclassified excavation). City will designate location where materials are to be hauled. | 500    | CY-MILE |  | \$0.00 |
|     | Tipping Fees (City will reimburse contractor. Copies of invoices to be provided to COH)                                                                                              |        |         |  |        |
|     | VI. MISCELLANEOUS CONSTRUCTION                                                                                                                                                       |        |         |  |        |
| 259 | New poured-in-place Reinforced Concrete Retaining Wall (complete-in-place) (Less than 20 CYS)                                                                                        | 100    | CY      |  | \$0.00 |
| 260 | New poured-in-place Reinforced Concrete Retaining Wall (complete-in-place) (20 to 50 CYS)                                                                                            | 100    | CY      |  | \$0.00 |
| 261 | New poured-in-place Reinforced Concrete Retaining Wall (complete-in-place) (More than 50 CYS)                                                                                        | 100    | CY      |  | \$0.00 |
| 262 | Removal of Concrete Retaining Wall (including disposal off-site and measured-in-place)                                                                                               | 100    | CY      |  | \$0.00 |
| 263 | TYPE "A" Silt Fence per ALDOT Spec #665 (includes materials, installation, maintenance and removal)                                                                                  | 1,000  | LF      |  | \$0.00 |



|                                                                                   |                                                                                                                                              |       |      |  |        |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-------|------|--|--------|
| 264                                                                               | TYPE "B" Silt Fence per COH Spec #671 (includes materials installation, maintenance and removal)                                             | 200   | LF   |  | \$0.00 |
| 265                                                                               | Modular Retaining Wall (includes wall materials, and stone backfill) less than 4' high, complete-in-place)                                   | 200   | SF   |  | \$0.00 |
| 266                                                                               | Modular Retaining Wall (includes wall materials, stone backfill and geogrid) 4'-6' high, complete-in-place)                                  | 200   | SF   |  | \$0.00 |
| <b>VII. FENCING</b>                                                               |                                                                                                                                              |       |      |  |        |
| <b>A. FENCE REMOVAL AND REPLACEMENT WITH NEW FENCE MATERIAL TO MATCH EXISTING</b> |                                                                                                                                              |       |      |  |        |
| 267                                                                               | 4' High Residential Chain Link Fencing                                                                                                       | 400   | LF   |  | \$0.00 |
| 268                                                                               | 6' High Treated Wood Privacy Fence                                                                                                           | 200   | LF   |  | \$0.00 |
| <b>B. TEMPORARY FENCING (INCLUDES REMOVAL)</b>                                    |                                                                                                                                              |       |      |  |        |
| 269                                                                               | 4' High Residential Chain Link Fencing                                                                                                       | 200   | LF   |  | \$0.00 |
| 270                                                                               | 6' High Residential Chain Link Fencing                                                                                                       | 100   | LF   |  | \$0.00 |
| <b>C. FENCE REMOVE AND RESET EXISTING FENCING</b>                                 |                                                                                                                                              |       |      |  |        |
| 271                                                                               | 4' High Residential Chain Link Fencing                                                                                                       | 1,130 | LF   |  | \$0.00 |
| 272                                                                               | 6' High Treated Wood Privacy Fence                                                                                                           | 400   | LF   |  | \$0.00 |
| <b>VIII. TREE REMOVAL AND DISPOSAL:</b>                                           |                                                                                                                                              |       |      |  |        |
| 273                                                                               | Light - lawns, rights-of-ways, shrubs, grassy fields and pasture land, minimum underbrush, trees 10" diameter or smaller, up to 5 trees/acre | 6     | ACRE |  | \$0.00 |

|                                                   |                                                                                                                                               |       |      |  |        |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-------|------|--|--------|
| 274                                               | Medium - lawns, rights-of-ways, shrubs, grassy fields and pasture land, medium underbrush, trees 15" diameter or smaller, up to 10 trees/acre | 12    | ACRE |  | \$0.00 |
| 275                                               | Heavy - lawns, rights-of-ways, shrubs, grassy fields and pasture land, thick underbrush, trees 15" diameter, no limit on density              | 12    | ACRE |  | \$0.00 |
| <b>IX. ALDOT STEEL BEAM GUARDRAIL AND ANCHORS</b> |                                                                                                                                               |       |      |  |        |
| 276                                               | A. TYPE 1, STEEL BEAM GUARDRAIL, CLASS A, PER LF INSTALLED                                                                                    | 1,000 | LF   |  | \$0.00 |
| 277                                               | B. STEEL BEAM GUARDRAIL, CLASS B, PER LF INSTALLED                                                                                            | 1,000 | LF   |  | \$0.00 |
|                                                   | C. GUARDRAIL ANCHORS, PRICE EACH INSTALLED                                                                                                    |       |      |  |        |
| 278                                               | Type 8                                                                                                                                        | 10    | EA   |  | \$0.00 |
| 279                                               | Type 10                                                                                                                                       | 10    | EA   |  | \$0.00 |
| 280                                               | Type 12                                                                                                                                       | 10    | EA   |  | \$0.00 |
| 281                                               | Type 13                                                                                                                                       | 10    | EA   |  | \$0.00 |
| 282                                               | Type 20                                                                                                                                       | 10    | EA   |  | \$0.00 |
|                                                   | D. GUARDRAIL REMOVE AND RESET, PER LF                                                                                                         |       |      |  |        |
| 283                                               | TYPE 1, STEEL BEAM GUARDRAIL, CLASS A                                                                                                         | 100   | LF   |  | \$0.00 |
| 284                                               | STEEL BEAM GUARDRAIL, CLASS B                                                                                                                 | 100   | LF   |  | \$0.00 |
| 285                                               | Guardrail Post, installed                                                                                                                     | 100   | EA   |  | \$0.00 |
| <b>X. RENTAL EQUIPMENT TO INCLUDE</b>             |                                                                                                                                               |       |      |  |        |
| 286                                               | A. FOREMAN AND PICKUP TRUCK                                                                                                                   | 80    | HR   |  | \$0.00 |

|     |                                                                 |     |    |  |        |
|-----|-----------------------------------------------------------------|-----|----|--|--------|
| 287 | B. SKILLED LABORER                                              | 80  | HR |  | \$0.00 |
|     | C. DOZERS & OTHER EQUIPMENT                                     |     |    |  |        |
| 288 | International TD-15 or equal                                    | 80  | HR |  | \$0.00 |
| 289 | Rubber Tired Loader-930 and 966                                 | 80  | HR |  | \$0.00 |
| 290 | Rubber Tired Backhoe                                            | 100 | HR |  | \$0.00 |
| 291 | Gradalls                                                        | 100 | HR |  | \$0.00 |
| 292 | Power Broom                                                     | 100 | HR |  | \$0.00 |
| 293 | Bobcat                                                          | 100 | HR |  | \$0.00 |
| 294 | Tri Axle Dump Truck                                             | 100 | HR |  | \$0.00 |
|     | D. Track Excavators and Hydraulic Breaker                       |     |    |  |        |
| 295 | PC 200 Series or Equal                                          | 100 | HR |  | \$0.00 |
| 296 | PC 300 Series or Equal                                          | 100 | HR |  | \$0.00 |
| 297 | PC 400 Series or Equal                                          | 100 | HR |  | \$0.00 |
| 298 | PC 200 series or equal, with 4000 lb Hydraulic Breaker or equal | 50  | HR |  | \$0.00 |
| 299 | PC 250 series or equal, with 6000 lb Hydraulic Breaker          | 50  | HR |  | \$0.00 |
| 300 | PC 300 series or equal, with 8000 lb Hydraulic Breaker          | 50  | HR |  | \$0.00 |
| 301 | PC 350 series or equal, with 10,000 lb Hydraulic Breaker        | 50  | HR |  | \$0.00 |

| XI. SPEED TABLES     |                                                                                                                                                                                                                                                                    |       |      |        |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------|--------|
| 302                  | Speed Cushion Installation (speed cushions will be purchased by the COH Traffic Eng Dept. (Traffic Logix or equal to be determined by the COH) Contractor must load, transport, and install speed-cushion devices purchased by the COH and stored at COH facility) | 50    | EA   | \$0.00 |
| XII. TRAFFIC CONTROL |                                                                                                                                                                                                                                                                    |       |      |        |
| 303                  | Drums                                                                                                                                                                                                                                                              | 300   | EA   | \$0.00 |
| 304                  | Type I Barricades                                                                                                                                                                                                                                                  | 25    | EA   | \$0.00 |
| 305                  | Type II Barricades                                                                                                                                                                                                                                                 | 25    | EA   | \$0.00 |
| 306                  | Type III Barricades                                                                                                                                                                                                                                                | 25    | EA   | \$0.00 |
| 307                  | 28" Cones                                                                                                                                                                                                                                                          | 50    | EA   | \$0.00 |
| 308                  | 36" Cones                                                                                                                                                                                                                                                          | 50    | EA   | \$0.00 |
| 309                  | Arrow Panels                                                                                                                                                                                                                                                       | 10    | EA   | \$0.00 |
| 310                  | Road Signs per ALDOT 740B to include posts installed                                                                                                                                                                                                               | 1,000 | SF   | \$0.00 |
| 311                  | Flagman                                                                                                                                                                                                                                                            | 500   | HR   | \$0.00 |
| 312                  | Orange construction fencing per ALDOT #647                                                                                                                                                                                                                         | 100   | LF   | \$0.00 |
| 313                  | 5" Wide Solid White, Class 2, Type A Traffic Stripe (0.06" Thick), Complete In-Place PER C.O.H. SPECIFICATION #701                                                                                                                                                 | 5     | MILE | \$0.00 |
| 314                  | 5" Wide Broken White, Class 2, Type A Traffic Stripe (0.06" Thick), Complete In-Place PER C.O.H. SPECIFICATION #701                                                                                                                                                | 5     | MILE | \$0.00 |



|     |                                                                                                                      |     |      |  |        |
|-----|----------------------------------------------------------------------------------------------------------------------|-----|------|--|--------|
| 315 | 5" Wide Solid Yellow, Class 2, Type A Traffic Stripe (0.09" Thick), Complete In-Place PER C.O.H. SPECIFICATION #701  | 5   | MILE |  | \$0.00 |
| 316 | 5" Wide Broken Yellow, Class 2, Type A Traffic Stripe (0.09" Thick), Complete In-Place PER C.O.H. SPECIFICATION #701 | 5   | MILE |  | \$0.00 |
| 317 | 5" Wide Dotted Class 2, Type A Traffic Stripe, (0.09" Thick), Complete In-Place PER C.O.H. SPECIFICATION #701        | 750 | LF   |  | \$0.00 |
| 318 | Broken Temporary Traffic Stripe, Complete In-Place PER C.O.H. SPECIFICATION #701                                     | 5   | MILE |  | \$0.00 |
| 319 | Solid Temporary Traffic Stripe, Complete In-Place PER C.O.H. SPECIFICATION #701                                      | 5   | MILE |  | \$0.00 |
| 320 | Traffic Control Legends, Class 2, Type A, Complete In-Place PER C.O.H. SPECIFICATION #703                            | 750 | SF   |  | \$0.00 |
| 321 | Traffic Control Markings, Class 2, Type A, Complete In-Place PER C.O.H. SPECIFICATION #703                           | 750 | SF   |  | \$0.00 |
| 322 | Temporary Traffic Control Legends, Complete In-Place PER C.O.H. SPECIFICATION #703                                   | 750 | SF   |  | \$0.00 |
| 323 | Temporary Traffic Control Markings, Complete In-Place PER C.O.H. SPECIFICATION #703                                  | 750 | SF   |  | \$0.00 |
| 324 | Traffic Striping Removal, Width Varies, Per C.O.H. SPECIFICATION #701                                                | 5   | MILE |  | \$0.00 |
| 325 | Traffic Control Markings and Legends Removal Per C.O.H. SPECIFICATION #703                                           | 780 | SF   |  | \$0.00 |
| 326 | Pavement Markers, Class A-H, Type 1-A, Complete In-Place PER ALDOT SPECIFICATION #705                                | 50  | EA   |  | \$0.00 |



|     |                                                                                                                      |    |      |  |        |
|-----|----------------------------------------------------------------------------------------------------------------------|----|------|--|--------|
| 327 | Pavement Markers, Class A-H, Type 1-B, Complete In-Place PER ALDOT SPECIFICATION #705                                | 50 | EA   |  | \$0.00 |
| 328 | Pavement Markers, Class A-H, Type 2-C, Complete In-Place PER ALDOT SPECIFICATION #705                                | 50 | EA   |  | \$0.00 |
| 329 | Pavement Markers, Class A-H, Type 2-D, Complete In-Place PER ALDOT SPECIFICATION #705                                | 50 | EA   |  | \$0.00 |
| 330 | Pavement Markers, Class A-H, Type 2E, Complete In-Place PER ALDOT SPECIFICATION #705                                 | 50 | EA   |  | \$0.00 |
| 331 | Type A Hazard Marker Installation, Complete-In-Place PER ALDOT SPECIFICATION # 707B                                  | 5  | EA   |  | \$0.00 |
| 332 | Mile Post Marker Type B, Complete in Place To include Post Per Specification ALDOT # 709A                            | 5  | EA   |  | \$0.00 |
| 333 | Mile Post Reset, Complete-In-Place, to Includes Post PER SPECIFICATION ALDOT #709B                                   | 5  | EA   |  | \$0.00 |
| 334 | 4" Wide Solid White, Class 2, Type A Traffic Stripe (0.06" Thick), Complete In-Place PER C.O.H. SPECIFICATION #701   | 5  | MILE |  | \$0.00 |
| 335 | 4" Wide Broken White, Class 2, Type A Traffic Stripe (0.06" Thick), Complete In-Place PER C.O.H. SPECIFICATION #701  | 5  | MILE |  | \$0.00 |
| 336 | 4" Wide Solid Yellow, Class 2, Type A Traffic Stripe (0.09" Thick), Complete In-Place PER C.O.H. SPECIFICATION #701  | 5  | MILE |  | \$0.00 |
| 337 | 4" Wide Broken Yellow, Class 2, Type A Traffic Stripe (0.09" Thick), Complete In-Place PER C.O.H. SPECIFICATION #701 | 5  | MILE |  | \$0.00 |

|                                     |                                                                                                               |       |    |  |        |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------|-------|----|--|--------|
| 338                                 | 4" Wide Dotted Class 2, Type A Traffic Stripe, (0.09" Thick), Complete In-Place PER C.O.H. SPECIFICATION #701 | 750   | LF |  | \$0.00 |
| 339                                 | New Jersey Type Barriers - Permanent Installation (Barrier will remain property of the City of Huntsville)    | 20    | EA |  | \$0.00 |
| 340                                 | New Jersey Type Barriers - Barrier to be removed and retained by the Contractor                               | 20    | EA |  | \$0.00 |
| 341                                 | Used Jersey Type Barriers - Permanent Installation (Barrier will remain property of the City of Huntsville)   | 20    | EA |  | \$0.00 |
| 342                                 | Used Jersey Type Barriers - Barrier to be removed and retained by the Contractor                              | 20    | EA |  | \$0.00 |
| 343                                 | Traffic Detector Loops - installed in pavement                                                                | 2,000 | LF |  | \$0.00 |
| <b>XIII. LANDSCAPE CONSTRUCTION</b> |                                                                                                               |       |    |  |        |
| 344                                 | Topsoil Cubic Yards (CY), Loose Truck Measurement                                                             | 1,500 | CY |  | \$0.00 |

|                                                                                                                                                     |                                                                                                                                       |       |      |  |        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-------|------|--|--------|
| 345                                                                                                                                                 | Mulching, Class A, Type 1                                                                                                             | 2,000 | SY   |  | \$0.00 |
| 346                                                                                                                                                 | Fescue Sod (in-place)                                                                                                                 | 2,000 | SY   |  | \$0.00 |
| 347                                                                                                                                                 | Seed, Straw, and Fertilize                                                                                                            | 2,000 | SY   |  | \$0.00 |
| 348                                                                                                                                                 | Tifton Bermuda Sod (in-place)                                                                                                         | 2,000 | SY   |  | \$0.00 |
| 349                                                                                                                                                 | Emerald Zoysia Sod (in-place)                                                                                                         | 1,400 | SY   |  | \$0.00 |
| 350                                                                                                                                                 | Hydroseeding                                                                                                                          | 10    | ACRE |  | \$0.00 |
| 351                                                                                                                                                 | Hay Bales per COH Spec #671 (includes materials, installation, maintaining and removal after completion of job)                       | 50    | EA   |  | \$0.00 |
| 352                                                                                                                                                 | 20" Wattle per ALDOT Spec #665-Q Inlet Protection (includes materials, installation, maintaining and removal after completion of job) | 1,000 | LF   |  | \$0.00 |
| <b>XIV. NEW HANDRAIL, (2-3/8" Steel Pipe), primed and painted per Attachment "P" (includes anchors, plates, posts, and bolts) complete in place</b> |                                                                                                                                       |       |      |  |        |
| 353                                                                                                                                                 | Four Rail Handrail (see Attachment "T")                                                                                               | 250   | LF   |  | \$0.00 |
| 354                                                                                                                                                 | Three Rail Handrail (see Attachment "T")                                                                                              | 250   | LF   |  | \$0.00 |
| 355                                                                                                                                                 | Two Rail Handrail (See Attachment "T")                                                                                                | 250   | LF   |  | \$0.00 |
| <b>XV. STREETSCAPE</b>                                                                                                                              |                                                                                                                                       |       |      |  |        |
| 356                                                                                                                                                 | Brick Pavers with Leveling Course                                                                                                     | 500   | SF   |  | \$0.00 |
| 357                                                                                                                                                 | Tree Grates (See Attachment "X")                                                                                                      | 20    | EA   |  | \$0.00 |
| 358                                                                                                                                                 | Concrete Wheel Stops, Anchored in Place                                                                                               | 20    | EA   |  | \$0.00 |
| 359                                                                                                                                                 | CU Structural Soil Compacted In Place                                                                                                 | 30    | CY   |  | \$0.00 |

|                               |                                                                                                                                                                                                                          |        |    |  |  |        |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|----|--|--|--------|
| 360                           | Decorative Handrail (See Attachment "W")                                                                                                                                                                                 | 200    | LF |  |  | \$0.00 |
| <b>XVI. IRRIGATION SYSTEM</b> |                                                                                                                                                                                                                          |        |    |  |  |        |
| 361                           | Rain Bird ESP16LXM Controller with Stainless Style Pedestal with Concrete Base Complete in Place                                                                                                                         | 3      | EA |  |  | \$0.00 |
| 362                           | Rain Bird F4-PC, FC-SS Turf Rotor, 4.0" Pop-Up, Stainless Steel Riser, Adjustable and Full Circle. With Removable Seal-A-Matic Check Valve, 1" Female Threaded Inlet. (5004)                                             | 150    | EA |  |  | \$0.00 |
| 363                           | Rain Bird XEZ-100-PRB-COM 1" Wide Flow Drip Control Kit for Commercial Applications. 1" Ball Valve with 1" PESB Valve and 1" Pressure Regulating 40psi Quick-Check Basket Filter. 0.3gpm to 20gpm.                       | 15     | EA |  |  | \$0.00 |
| 364                           | Rain Bird RWS-M-B-C-1401 Root Watering System Mini                                                                                                                                                                       | 150    | EA |  |  | \$0.00 |
| 365                           | Netafim TLEZ-04-18 Techline EZ Pressure Compensating Landscape Dripline with Anti-Siphon Dripper. 0.4 GPH emitters at 18" O.C. Dripline laterals spaced at 18" apart, with emitters offset for triangular pattern. 12mm. | 6,000  | LF |  |  | \$0.00 |
| 366                           | Rain Bird Master Valve 2" PESB-PRSD with 12" Valve Box Complete in Place                                                                                                                                                 | 3      | EA |  |  | \$0.00 |
| 367                           | Irrigation Lateral Line: PVC Class 200 SDR 21 1 1/2"                                                                                                                                                                     | 30,000 | LF |  |  | \$0.00 |
| 368                           | Irrigation Mainline: PVC Class 40, 2" Complete in place to include Crushed Stone Backfill                                                                                                                                | 7,500  | LF |  |  | \$0.00 |
| 369                           | Pipe Sleeve: CPVC Schedule 40, 4" Complete in place with Crushed Stone Backfill                                                                                                                                          | 3,000  | LF |  |  | \$0.00 |



|     |                                                                                                           |        |    |  |        |
|-----|-----------------------------------------------------------------------------------------------------------|--------|----|--|--------|
| 370 | Rain Bird WR2 Wireless Raw Sensor                                                                         | 3      | EA |  | \$0.00 |
| 371 | 14-1 UF Direct Burial Red Sprinkler Control Wire                                                          | 30,000 | LF |  | \$0.00 |
| 372 | 12-1 UF Direct Burial White Sprinkler Control Wire                                                        | 7,500  | LF |  | \$0.00 |
| 373 | 16-1 UF Direct Burial Blue Wire for Tracer                                                                | 2,750  | LF |  | \$0.00 |
| 374 | Rain Bird 1806 SAM-PRS-45 Sprinkler Head with Barb Fitting, Swing Pipe and PVC Tee for Lateral Connection | 300    | EA |  | \$0.00 |
| 375 | Rain Bird 150 PESB Control Valve with PRS-D Regulator with 12" Box Complete In Place                      | 30     | EA |  | \$0.00 |
| 376 | Rain Bird 1812 SAM-PRS-45 Sprinkler Head with Barb Fitting, Swing Pipe and PVC Tee for Lateral Connection | 300    | EA |  | \$0.00 |
| 377 | Rain Bird 1806 SAM-PRS-45 Sprinkler Head with Barb Fitting, Swing Pipe and PVC Tee for Lateral Connection | 300    | EA |  | \$0.00 |
| 378 | Hunter MP3000 90-210 Nozzles                                                                              | 600    | EA |  | \$0.00 |

#### XVII: SPEED TABLES

|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |  |        |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|--|--------|
| 379 | Remove/Reinstall existing Speed Cushions - EACH speed cushion is 7' long by 6' wide and consists of 8 pieces per cushion with 48 bolts. (Drawing attached) Contractor shall take care to remove each bolt and secure all bolts and pieces of each Speed Cushion for reinstall. No removal will be allowed using heavy equipment that will damage the Speed Cushion and bolts. Contractor will be provided with adhesive, new sleeves and longer bolts if original bolts were used in the original install. The adhesive, new sleeves and longer bolts as required shall be picked up at Traffic Engineering at 2100 Clinton Avenue. | 50 | EA |  | \$0.00 |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|--|--------|



|     |                                                                                                                                                                                                                                                                                                                          |    |    |  |        |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|--|--------|
| 380 | Install Only Speed Cushions - EACH speed cushion is 7' long by 6' wide and consists of 8 pieces per cushion with 48 bolts. (Drawing attached) Contractor shall pickup at Traffic Engineering at 2100 Clinton Avenue, new Speed Cushions, adhesive, sleeves and bolts for install as required.                            | 50 | EA |  | \$0.00 |
| 381 | Removal only of existing speed cushions - EACH speed cushion is 7' long by 6' wide and consists of 8 pieces per cushion with 48 bolts. (Drawing attached) Contractor shall take care to remove each bolt and secure all bolts and pieces of each Speed Cushion and deliver to Traffic Engineering at 2100 Clinton Avenue | 50 | EA |  | \$0.00 |

| XVIII: STRUCTURAL FILL |                                                                    |     |    |  |        |
|------------------------|--------------------------------------------------------------------|-----|----|--|--------|
| 382                    | Structural fill loaded into city trucks                            | 400 | CY |  | \$0.00 |
| 383                    | Structural fill delivered and dumped on site, 0-5 miles            | 200 | CY |  | \$0.00 |
| 384                    | Structural fill delivered and dumped on site, 5-10 miles           | 200 | CY |  | \$0.00 |
| 385                    | Structural fill delivered and dumped on site, 10-15 miles          | 200 | CY |  | \$0.00 |
| XIX: WAYFINDING SIGNS  |                                                                    |     |    |  |        |
| 386                    | Replacement of G1 - Monumental Gateway Sign, Complete in Place     | 4   | EA |  | \$0.00 |
| 387                    | Replacement of G2 - Post and Panel Gateway, Complete in Place      | 3   | EA |  | \$0.00 |
| 388                    | Replacement of T1 - Large Vehicular Trailblazer, Complete in Place | 26  | EA |  | \$0.00 |
| 389                    | Replacement of PT - Parking Directional, Complete in Place         | 11  | EA |  | \$0.00 |

|     |                                                                                          |    |    |  |        |
|-----|------------------------------------------------------------------------------------------|----|----|--|--------|
| 390 | Replacement of T2- Small Vehicular Trailblazer Sign, Complete in Place                   | 7  | EA |  | \$0.00 |
| 391 | Replacement of T3 – Small Vehicular A&E Trailblazer Signs, Complete in Place             | 3  | EA |  | \$0.00 |
| 392 | Replacement of P2 – Mast arm Parking Directional Sign, Complete in Place                 | 12 | EA |  | \$0.00 |
| 393 | Replacement of P1 – Stand-alone parking directional sign, Complete in Place              | 3  | EA |  | \$0.00 |
| 394 | Replacement of P3 – Refurbished Parking/Identification/Directional, Complete in Place    | 4  | EA |  | \$0.00 |
| 395 | Replacement of PD – Pedestrian Directional, Complete in Place                            | 1  | EA |  | \$0.00 |
| 396 | Replacement of M1 - Pedestrian Orientation Map Sign, Complete in Place                   | 2  | EA |  | \$0.00 |
| 397 | Replacement of G3 - Historic District Gateway, Complete in Place                         | 2  | EA |  | \$0.00 |
| 398 | Replacement of K1 - Information Kiosk, Complete in Place                                 | 5  | EA |  | \$0.00 |
| 399 | Replacement of S1 - Site Identification with Masonry Base, Complete in Place             | 1  | EA |  | \$0.00 |
| 400 | Replacement of S2 - Site Identification with Panel Sign, Complete in Place               | 1  | EA |  | \$0.00 |
| 401 | Replacement of Galvanized Poles due to damage, Complete in Place                         | 80 | EA |  | \$0.00 |
| 402 | New T1 – Large Vehicular Trailblazer, Complete in place to include foundations and poles | 4  | EA |  | \$0.00 |

|     |                                                                                                   |    |    |  |        |
|-----|---------------------------------------------------------------------------------------------------|----|----|--|--------|
| 403 | New PT - Parking Directional, Complete in place to include foundations and poles                  | 6  | EA |  | \$0.00 |
| 404 | New T2- Small Vehicular Trailblazer Sign, Complete in place to include foundations and poles      | 3  | EA |  | \$0.00 |
| 405 | New P2 - Mast arm Parking Directional Sign, Complete in place to include foundations and poles    | 4  | EA |  | \$0.00 |
| 406 | New P1 - Stand-alone parking directional sign, Complete in place to include foundations and poles | 1  | EA |  | \$0.00 |
| 407 | New P3 - Refurbished Parking/Identification/Directional, Complete in Place                        | 1  | EA |  | \$0.00 |
| 408 | New PD - Pedestrian Directional, Complete in place to include foundations and poles               | 1  | EA |  | \$0.00 |
| 409 | New M1 - Pedestrian Orientation Map Sign, Complete in place to include foundations and poles      | 1  | EA |  | \$0.00 |
| 410 | New K1 - Information Kiosk, Complete in place to include foundations and poles                    | 1  | EA |  | \$0.00 |
| 411 | Backing on Existing Signs G1 - Monumental Gateway Sign, Complete in place                         | 4  | EA |  | \$0.00 |
| 412 | Backing on Existing Signs G2 - Post and Panel Gateway, Complete in Place                          | 3  | EA |  | \$0.00 |
| 413 | Backing on Existing Signs T1 - Large Vehicular Trailblazer, Complete in Place                     | 26 | EA |  | \$0.00 |
| 414 | Backing on Existing Signs PT - Parking Directional, Complete in Place                             | 11 | EA |  | \$0.00 |
| 415 | Backing on Existing Signs T2- Small Vehicular Trailblazer Sign, Complete in Place                 | 7  | EA |  | \$0.00 |

|     |                                                                                                                                                                                                                                                              |    |    |  |        |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|--|--------|
| 416 | Backing on Existing Signs T3 - Small Vehicular A&E District Trailblazer Signs, Complete in Place                                                                                                                                                             | 3  | EA |  | \$0.00 |
| 417 | Backing on Existing Signs P2 - Mast arm Parking Directional Sign, Complete in Place                                                                                                                                                                          | 12 | EA |  | \$0.00 |
| 418 | Backing on Existing Signs P1 - Stand-alone parking directional sign, Complete in Place                                                                                                                                                                       | 3  | EA |  | \$0.00 |
| 419 | Backing on Existing Signs P3 - Refurbished Parking/Identification/Directional, Complete in Place                                                                                                                                                             | 4  | EA |  | \$0.00 |
| 420 | Backing on Existing Signs PD - Pedestrian Directional, Complete in Place                                                                                                                                                                                     | 1  | EA |  | \$0.00 |
| 421 | Backing on Existing Signs M1 - Pedestrian Orientation, Complete in Place                                                                                                                                                                                     | 2  | EA |  | \$0.00 |
| 422 | Backing on Existing Signs G3 - Historic District Gateway, Complete in Place                                                                                                                                                                                  | 2  | EA |  | \$0.00 |
| 423 | Backing on Existing Signs K1 - Information Kiosk, Complete in Place                                                                                                                                                                                          | 5  | EA |  | \$0.00 |
| 424 | Backing on Existing Signs S1 - Site Identification with Masonry Base, Complete in Place                                                                                                                                                                      | 1  | EA |  | \$0.00 |
| 425 | Backing on Existing Signs S2 - Site Identification with Panel Sign, Complete in Place                                                                                                                                                                        | 1  | EA |  | \$0.00 |
|     | <b>XX: MISCELLANEOUS ITEMS</b>                                                                                                                                                                                                                               |    |    |  |        |
| 426 | Granville Light Pole Assembly, LED 3 (Or City Approved Equal) Complete in Place to Include Concrete Foundation, Pole, Fixture, Grounding Security Lug and All Incidentals Model Number GVD3 P30 40K MVOLT LS GL3 BK ST TBK PR3 RPXXXXY3 Receptacle provision | 50 | EA |  | \$0.00 |



|                                                             |                                                                                                                                                                                                                       |       |    |  |               |
|-------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----|--|---------------|
| 427                                                         | Enhanced Washington Postlife Light Pole Assembly with Breakaway Base, 400 Watt ( Or City Approved Equal) Complete in Place to Include Concrete Foundation, Pole, Fixture, Grounding, Security Lug and All Incidentals | 10    | EA |  | \$0.00        |
| 428                                                         | 45" x 73" Class III Arch Pipe                                                                                                                                                                                         | 200   | LF |  | \$0.00        |
| 429                                                         | 2", Non-Metallic Conduit to Include Excavation, Stone Backfill, Fittings and All Incidentals                                                                                                                          | 2,000 | LF |  | \$0.00        |
| 430                                                         | #2 Triplex 600V UG Cable Furnish and Install                                                                                                                                                                          | 2,000 | LF |  | \$0.00        |
| 431                                                         | 6" Roadway Bore                                                                                                                                                                                                       | 500   | LF |  | \$0.00        |
| 432                                                         | Quazite Box 12" x 12"                                                                                                                                                                                                 | 70    | EA |  | \$0.00        |
| 433                                                         | Streetlight Meter Base HU Standards                                                                                                                                                                                   | 5     | LS |  | \$0.00        |
| <b>TOTAL BASE BID PRICE</b> (for evaluation purposes only): |                                                                                                                                                                                                                       |       |    |  | <b>\$0.00</b> |

*Basis of payment will be determined by multiplying the measured in place quantities determined in the field by the contract bid unit prices.*

Company \_\_\_\_\_

Signature \_\_\_\_\_

Date \_\_\_\_\_



## **CERTIFICATION OF COMPLIANCE WITH TITLE 39, CODE OF ALABAMA**

In accordance with Code of Alabama (1975) §39-5-1(b), I hereby certify that the contract with Rogers Group, Inc., in the Not-to-Exceed (NTE) amount of EIGHT MILLION SIXTY-SIX THOUSAND FIVE HUNDRED FIVE HUNDRED SIX AND .14/100 DOLLARS (\$8,066,506.14), for Periodic Bid for Various Construction Projects-2021, Project No. 71-22-SP06, which is being submitted to the City Council of the City of Huntsville for approval on this the 13th day of January, 2022, has been let in accordance with Code of Alabama, Title 39 and all other applicable provisions.

\_\_\_\_\_  
Kathy Martin  
Director of City Engineering  
City of Huntsville

## **E-VERIFY – NOTICE**

The Beason-Hammon Alabama Taxpayer and Citizen Protection Act, Act No. 2011-535, Code of Alabama (1975) § 31-13-1 through 31-13-30 (also known as and hereinafter referred to as “ the Alabama Immigration Act”) as amended by Act No. 2012-491 on May 16, 2012 is applicable to all competitively bid contracts with the City of Huntsville. As a condition for the award of a contract and as a term and condition of the contract with the City of Huntsville, in accordance with § 31-13-9 (a) of the Alabama Immigration Act, as amended, any business entity or employer that employs one or more employees shall not knowingly employ, hire for employment, or continue to employ an unauthorized alien within the State of Alabama.

During the performance of the contract, such business entity or employer shall participate in the E-Verify program and shall verify every employee that is required to be verified according to the applicable federal rules and regulations. The business entity or employer shall assure that these requirements are included in each subcontract in accordance with §31-13-9(c). Failure to comply with these requirements may result in breach of contract, termination of the contract or subcontract, and possibly suspension or revocation of business licenses and permits in accordance with §31-13-9 (e) (1) & (2).

Code of Alabama (1975) § 31-13-9 (k) requires that the following clause be included in all City of Huntsville contracts that have been competitively bid and is hereby made a part of this contract:

“By signing this contract the contracting parties affirm, for the duration of the agreement, that they will not violate federal immigration law or knowingly employ, hire for employment, or continue to employ an unauthorized alien within the State of Alabama. Furthermore, a contracting party found to be in violation of this provision shall be deemed in breach of the agreement and shall be responsible for all damages resulting therefrom.”

## **Representation Pursuant to Code of Alabama) § 41-16-5 (b)**

By signing this contract, Rogers Group, Inc., represents and agrees that it is not currently engaged in, nor will it engage in, any boycott of a person or entity based in or doing business with a jurisdiction with which the State of Alabama can enjoy open trade.

\_\_\_\_\_  
Rogers Group, Inc.  
(Company)

BY: \_\_\_\_\_  
(Authorized Representative)