

SCHEDULE A: WATER AND WASTEWATER BID ITEMS

ITEM NO. 6800 PROJECT PARTNERING

This item is intended for compensating the Contractor for all costs to implement Project Partnering as detailed in the **DWU Standard Technical Specifications for Water & Wastewater Construction, Latest Edition**.

This item to include hiring a third party facilitator, travel and lodging expenses, meeting room rental, program materials, reproduction costs and all costs associated with Contractor's own personnel, Subcontractors and Suppliers participating in partnering.

This is a **Contingent Item** and payment will be made, as directed by the Project Manager.

Payment for this item shall be Lump Sum.

ITEM NO. 6902 PLACEMENT OF BLOCK SODDING

This item consists of furnishing and placing approximately **9,500** Square Yards of Block Sodding in accordance with **Item 202.5.1. Description**, **Item 202.5.2. Materials**, and **Item 202.5.3.2. Solid Sodding** of these specifications and addenda thereto.

This is a contingent item and payment will be made, if placement is directed by the Project Manager.

Measurement will be specified ditch width with the length measured in Linear Feet.

Payment will be in accordance with **Item 202.5.4.COD: Measurement and Payment** of these Specifications.

ITEM NO. 6909 PLACE BRICK SIDEWALK

This item consists of furnishing and placing approximately **110** Square Yards of Brick Sidewalk Replacement in accordance with the **DWU Standard Technical Specifications for Water & Wastewater Construction, Latest Edition**.

Measurement and payment shall include all labor, materials, and equipment necessary to replace sidewalk based on the maximum permissible ditch width plus two feet for the specified conduit or as directed by the Project Manager.

ITEM NO. 6920 TELEVISION INSPECTION

This item consists of performing a Television Inspection on approximately **2,280** Linear Feet of Wastewater Main in accordance with **Item 507.5.2. Television Inspection** of these specifications and addenda thereto, and the **DWU Standard Technical Specifications for Water & Wastewater Construction, Latest Edition**.

Payment will be allowed only for inspections made to a particular section of main in accordance with **Item 507.5.2.4.COD: Measurement And Payment For Television Inspection On City Contracts**

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ITEM NO. 6925

TRENCH EXCAVATION SAFETY AND SUPPORT

This item consists of Trench Excavation Safety and Support for approximately **11,040** Linear Feet of trench in accordance with the Occupational Safety and Health Administration Standards 1926.652 "Requirements for Protective Systems".

Trench Excavation Safety and Support shall be measured along the centerline of the trench where trench is sloped to maintain angle of repose, a trench box is utilized, or trench is shored.

Payment shall be allowed for all section of trench regardless of depth.

ITEM NO. 7020

STEEL GUARD POST (BOLLARD)

This item consists of furnishing and placing **19** each Steel Guard Post(s) in accordance with these specifications and addenda thereto, and the applicable Standard Drawings. This item is to include all Materials, Excavation, Backfill and Incidentals required for a complete in place Steel Guard Post.

Measurement and Payment will be per each as set forth in the contract.

ITEM NO. 7030

ROCK FOUNDATION

This item consists of furnishing and placing approximately **100** Cubic Yards of Rock Foundation at locations approved by the Project Manager, in accordance with **Item 504.3.2. Foundation** and **Item 504.2.2.4. Crushed Stone For Foundation** of these specifications and addenda thereto.

This is a **Contingent Item** and payment will be made as directed by the Project Manager.

Measurement and payment will be in accordance with **Item 504.3.2.1. Foundation Measurement** and **Item 504.3.2.2. Foundation Payment** of these specifications.

ITEM NO. 7040

STABILIZED BACKFILL

This item consists of furnishing and placing approximately **2,000** Cubic Yards of Stabilized Backfill in accordance with **Item 504.6.2. Stabilized Backfill** of these specifications and addenda thereto, and as shown on the plans and detailed on the applicable Standard Drawings.

This is a **Contingent Item** and payment will be made as directed by the Project Manager. **See 107.27.COD: Environmental Compliance.**

Measurement and payment will be in accordance with **Item 504.7. Measurement and Payment of Backfill**, **Item 504.7.1. Measurement of Backfill Material**, and **Item 504.7.2. Payment of Backfill Material** of these specifications.

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ITEM NO. 7041 FLOWABLE BACKFILL

This item consists of furnishing and placing approximately **5,800** Cubic Yards of Flowable Backfill in accordance with **Item 504.6.6. Flowable Backfill and Item 504.2.3.4. Flowable Backfill** of these specifications and addenda thereto.

This is a **Contingent Item** and payment will be made as directed by the Project Manager. **See 107.27.COD: Environmental Compliance.**

Measurement and payment shall be at the contract Unit Price per Cubic Yard for completed and accepted work.

ITEM NO. 7044 FOUR "F" FLOWABLE BASE - HIGH STRENGTH, FAST SET

This item consists of furnishing and placing approximately **1,000** Cubic Yards of Four "F" Flowable Base-High Strength, Fast Set in accordance with **Item IV.3.d of the Departement of Public Works Pavement Cut and Repair Standards Manual, latest edition** of these specifications and addenda thereto.

This is a **Contingent Item** and payment will be made as directed by the Project Manager. **See 107.27.COD: Environmental Compliance.**

Measurement and payment shall be at the contract Unit Price per Cubic Yard for completed and accepted work. The price per unit of volume will remain the same, regardless of the volume used.

ITEM NO. 7050 SAND BACKFILL

This item consists of furnishing and placing approximately **300** Cubic Yards of Sand Backfill at locations approved by the Project Manager, in accordance with **Item 504.6.5. Sand Backfill and Item 504.2.2.6. Sand** of these specifications and addenda thereto.

This is a **Contingent Item** and payment will be made as directed by the Project Manager.

Measurement and payment will be in accordance with **Item 504.7.2.2. Final Trench Backfill** of these specifications. The price per unit of volume will remain the same, regardless of the volume used.

ITEM NO. 7053 CEMENT STABILIZED SAND BACKFILL

This item consists of furnishing and placing approximately **50** Cubic Yards of Cement Stabilized Sand Backfill in accordance with the **DWU Standard Technical Specifications for Water & Wastewater Construction, Latest Edition. See 107.27.COD: Environmental Compliance.**

Measurement and payment above the pipe shall be at the trench width in accordance with **Item 504.7.1. Measurement of Backfill Material and Item 504.7.2. Payment of Backfill Material** of these specifications and the addenda thereto. Measurement and payment in other areas where placement is directed will be at the contract Unit Price per Cubic Yard of completed and accepted work.

SCHEDULE A: WATER AND WASTEWATER BID ITEMS

ITEM NO. 7071 CLASS "B" CONCRETE

This item consists of furnishing and placing approximately **138 Cubic Yards** of Class "B" Concrete in accordance with **Item 504.3.2. Foundation, Item 502.4.1. Concrete Blocking, and Item 702.2. Mix Design and Mixing Concrete For Structures** of these specifications and addenda thereto, and the applicable Standard Drawings. **See 107.27.COD: Environmental Compliance.**

Measurement and payment will be in accordance with **Item 504.3.2.1. Foundation Measurement and Item 504.3.2.2. Foundation Payment or Item 502.4.4. Measurement and Payment** of these specifications.

ITEM NO. 7520 TEMPORARY PAVING (HOT MIX OR HIGH PERFORMANCE MIX)

This item consists of furnishing, placing, and removing approximately **306 Tons** of Hot or High Performance Mix Asphalt Pavement for Temporary Paving, as authorized by the Engineer. Hot Mix Asphalt shall conform to **Item 302.9. Hot-Mix Asphalt Pavement and 403.2.3. Hot-Mix, Cold-Laid Asphaltic Concrete (Cold Mix)** of these specifications. Hot or High Performance Mix shall be placed in accordance with **Item 402.4. Replacing Paved Surfaces** of these specifications and addenda thereto.

The method of measurement for payment will be in Tons (2,000 pounds) of material in place and accepted. The basis of payment will be based on the maximum permissible width of ditch as specified for type or kind of conduit to be constructed as shown on the plans or Standard Drawings, and a compacted thickness of 2" over flexible base.

ITEM NO. 7525 FLEX BASE (CRUSHED ROCK) ALLEY SURFACE

This item consists of removing existing alley surface, furnishing and placing approximately **330 Cubic Yards** of Crushed Rock (Flexible Base) for final alley driving surface as authorized by the Project Manager in accordance with **Item 402.4. Replacing Paved Surfaces, and 301.5. Flexible Subbase Or Base (Crushed Stone/Concrete)** of these specifications and addenda thereto.

This item also includes haul off of spoil, grading, blading, hauling, spreading, and compacting the material. **Item 104.2.1. Increased Or Decreased Quantities of Work** of these specifications **does not** apply to this bid item.

The basis of payment will be based on the maximum permissible depth of 8" of compacted stone by approximately 10' wide or as specified by the Project Manager.

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ITEM NO. 7530 CONCRETE CURB AND/OR GUTTER

This item consists of furnishing and placing approximately **2,160** Linear Feet of Concrete Curb and/or Gutter in accordance with **Item 402.4.3. Replacing Curb, Gutter, Sidewalks, Driveways, Etc.** and **Item 305.1. Concrete Curb and Gutter** of these specifications and addenda thereto. **See 107.27.COD: Environmental Compliance.**

Measurement and payment will be in accordance with **Item 402.4.3.1. Measurement For Replacement of Curb, Gutter, Sidewalks, Driveways, Etc.** and **Item 402.4.10. Payment For Pavement Replacement** of these specifications.

ITEM NO. 7560 CRUSHED ROCK FOR TEMPORARY PAVING BASE

This item consists of furnishing and placing approximately **322** Cubic Yards of Crushed Rock (Flexible Base) for Temporary Paving Base material in accordance with **Item 402.4.COD: Replacing Paved Surfaces** and **Item 301.5. Flexible Subbase Or Base (Crushed Stone/Concrete)** of these specifications and addenda thereto.

Measurement and payment will be in accordance with **Item 402.4.10. Payment For Pavement Replacement** of these specifications.

ITEM NO. 7570 REINFORCED CONCRETE PAVING

This item consists of furnishing and placing approximately **1,037** Cubic Yards of Reinforced Concrete Paving in accordance with **Item 402.4.4. Replacing Reinforced Concrete Pavement**, **Item 303. Portland Cement Concrete Pavement** and **Item 303.2.1.3.2.COD: Gradation** of these specifications and addenda thereto. **See 107.27.COD: Environmental Compliance.**

This item shall also include removal and disposal of existing pavement, if it lies outside of trench width plus two feet.

Measurement and payment will be in accordance with **Item 402.4.4.1. Measurement of Reinforced Concrete Pavement** and **Item 402.4.10. Payment For Pavement Replacement** of these specifications.

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ITEM NO. 7580

REINFORCED CONCRETE SIDEWALK

This item consists of furnishing and placing approximately **525** Square Yards of Reinforced Concrete Sidewalk in accordance with **Item 402.4.COD: Replacing Paved Surfaces, Item 305.2. Concrete Sidewalks, Driveway Approaches, and Barrier Free Ramps, and Item 305.2.2.2.COD: Reinforcement** of these specifications and addenda thereto. See **107.27.COD: Environmental Compliance.**

This item shall also include removal and disposal of existing sidewalk, if it lies outside of trench width plus two feet.

Measurement and payment will be in accordance with **Item 402.4.3.1. Measurement For Replacement of Curb, Gutter, Sidewalks, Driveways, Etc. and Item 402.4.10. Payment For Pavement Replacement** of these specifications.

ITEM NO. 7583

REINFORCED CONCRETE DRIVEWAY

This item consists of furnishing and placing approximately **2,315** Square Yards of Reinforced Concrete Driveway in accordance with **Item 402.4.COD: Replacing Paved Surfaces, Item 303. Portland Cement Concrete Pavement and Item 303.2.1.3.2.COD: Gradation** of these specifications and addenda thereto. See **107.27.COD: Environmental Compliance.** This item also includes removal and disposal of existing pavement, if it lies outside of trench width plus two feet.

Measurement and payment will be in accordance with **Item 402.4.3.1. Measurement for Replacement of Curb, Gutter, Sidewalks, Driveways, Etc. and Item 402.4.10. Payment for Pavement Replacement** of these specifications. This item requires the concrete be set at 4500 PSI strength if hand finished or 4000 PSI strength if machine finished.

ITEM NO. 7584

SLURRY SEAL SURFACE TREATMENT

This item consists of furnishing and placing approximately **8,500** Square Yards of Slurry Seal Surface Treatment in accordance with **Item 404.3.7.COD: Limitations** of the Dallas Water Utilities Addendum to the North Central Texas Standard Specifications for Slurry Seal.

This is a contingent item. Placement and payment shall be made only as directed by the Project Manager.

Slurry Seal shall be measured and paid for at the contract Unit Price per Square Yard on surface area of completed and accepted work.

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ITEM NO. 7585

BARRIER FREE RAMP

This item consists of constructing approximately 3 Each Concrete Barrier Free (wheelchair) Ramps as specified herein and in conformity with the **Public Works Standard Details for Construction (251-D)** and any special details.

This item shall include all necessary saw-cut, removal of existing sidewalk, curb and gutter, excavation and backfill, subgrade preparation, furnishing and placing all materials; including expansion joint materials, asphalt replacement needed to adjacent to new gutter area, and any related work for manipulation, labor, tools, equipment and incidentals. **See 107.27.COD: Environmental Compliance.**

Measurement and payment shall be at unit contract price for complete and accepted work.

ITEM NO. 7600

REINFORCED CONCRETE BASE

This item consists of furnishing and placing approximately 1,750 Cubic Yards of Reinforced Concrete Base in accordance with **Item 402.4.COD: Replacing Paved Surfaces**, **Item 402.4.11.COD: Replacing Asphaltic Concrete Pavement with A Concrete Base**, **Item 303. Portland Cement Concrete Pavement** and **Item 303.2.1.3.2.COD: Gradation** of these specifications and addenda thereto. **See 107.27.COD: Environmental Compliance.**

This item shall also include removal and disposal of existing pavement, if it lies outside of trench width plus two feet.

Measurement and payment will be in accordance with **Item 402.4.5.1. Measurement of Concrete Pavement and Asphalt Overlay** and **Item 402.4.10. Payment For Pavement Replacement** of these specifications.

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ITEM NO. 7655

HOT MIX ASPHALT CONCRETE PAVEMENT

This item consists of furnishing and placing approximately **2,030 Tons** of Hot Mix Asphalt Concrete Pavement in accordance with **Item 402.4.COD: Replacing Paved Surfaces, Item 402.4.11.COD: Replacing Asphaltic Concrete Pavement with A Concrete Base, and Item 302.9. Hot-Mix Asphalt Pavement** of these specifications and addenda thereto. A prime coat shall be applied to a completed granular base course as described in **Item 302.7. Prime Coat and Item 302.9. Hot-Mix Asphalt Pavement**, at a rate of 0.25 gallons per square yard. A tack coat shall be applied to a surface of concrete, brick, or asphalt at a rate of 0.10 gallons per square yard. Prime coat and tack coat shall be not be measured for payment, but will be subsidiary to this bid item.

This item shall also include removal and disposal of existing pavement, if it lies outside of trench width plus two feet.

Measurement and payment will be in accordance with **Item 402.4.5.1. Measurement of Concrete Pavement and Asphalt Overlay, Item 402.4.6.1. Measurement For Full Depth Hot-Mix Asphalt Pavement, or Item 402.4.7.1. Measurement For Hot-Mix Asphalt Pavement On A Flexible Base, Item 402.4.10. Payment For Pavement Replacement, and Item 402.4.11.1.COD: Measurement of Asphaltic Concrete Pavement with A Concrete Base** of these specifications.

SCHEDULE A: WATER AND WASTEWATER BID ITEMS

ITEM NO. 7712

STORM WATER POLLUTION PREVENTION PLAN

This item is to reimburse the Contractor for costs to develop, implement, and maintain the Storm Water Pollution Prevention Plan. Modification to the SWPPP or additional control items required by the Engineer will be at no additional cost.

This item to include all equipment, materials, labor, and maintenance necessary to control storm water pollution.

This is a lump sum item and payment shall be based on the percentage of construction for complete, in place, maintained, removed, and accepted work.

ITEM NO. 7730

DISPOSAL OF HEAVILY CHLORINATED WATER MAIN FLUSHING WATER

This item consists of Disposal of Heavily Chlorinated Water Main Flushing Water after sterilization or re-sterilization in accordance with the requirements of the EPA [40 C.F.R. 122.26], and **Item 506.7.3.3.COD: Disposal of Flushing Water**.

Measurement and payment will be Lump Sum, complete to include all labor, materials, and equipment necessary to dispose of the heavily chlorinated water main flushing water after sterilization or re-sterilization.

SCHEDULE A: WATER AND WASTEWATER BID ITEMS

ITEM NO. 8011

CONSTRUCTION SURVEYING AND STAKING OF PROPOSED WATER & WASTEWATER MAINS

This item consists of providing Construction Surveying and Staking by the Contractor's qualified personnel for approximately **14,080** Linear Feet of Proposed Water and Wastewater Main installations shown on the plan drawings and in accordance with **Item 105.4.COD: Construction Stakes** of the NCTCOG Specifications and addenda thereto.

This item shall include establishment of all horizontal and vertical controls, horizontal and vertical alignments per plan drawings, and cut depths for all proposed mains shown on the plan drawings with specific grades, elevations and profiles.

Measurement and payment will be per Linear Foot of proposed water and per Linear Foot of proposed wastewater main including instrumentation and equipment, staking materials, notes and cut sheets in final form and any other associated costs, such as barricading and traffic control for these services. Payment will be made when surveying is complete from point of beginning to point of end as shown on the plan drawings and upon submission and approval of survey data (see **DWU Standard Technical Specifications for Water & Wastewater Construction, Latest Edition** for approved data format). The Contractor is responsible for maintaining all staked controls and hubs in the construction area at all times and any costs for re-staking or re-establishing controls required shall be borne by the Contractor.

SCHEDULE A: WATER AND WASTEWATER BID ITEMS

ITEM NO. 8012 CONSTRUCTION SURVEYING AND STAKING FOR PROPOSED STREET AND ALLEY PAVING

This item consists of providing Construction Surveying and Staking by the Contractor's qualified personnel for approximately **7,480** Linear Feet of Proposed Water and Wastewater Main installations shown on the plan drawings and in accordance with **Item 105.4.COD: Construction Stakes** of the NCTCOG Specifications and addenda thereto.

This item shall include establishment of all horizontal and vertical controls, horizontal and vertical alignments per plan drawings, and cut depths for all proposed mains shown on the plan drawings with specific grades, elevations and profiles.

Measurement and payment will be per Linear Foot of proposed water and per Linear Foot of proposed wastewater main including instrumentation and equipment, staking materials, notes and cut sheets in final form and any other associated costs, such as barricading and traffic control for these services. Payment will be made when surveying is complete from point of beginning to point of end as shown on the plan drawings and upon submission and approval of survey data (see **DWU Standard Technical Specifications for Water & Wastewater Construction, Latest Edition** for approved data format). The Contractor is responsible for maintaining all staked controls and hubs in the construction area at all times and any costs for re-staking or re-establishing controls required shall be borne by the Contractor.

SCHEDULE A: WATER AND WASTEWATER BID ITEMS

ITEM NO. 8300

REMOVAL OF EXISTING RAILROAD TRACKS

This bid item consists of furnishing all supervision, labor, materials, equipment, incidentals and related items required to remove and dispose of **3** each Existing Railroad Tracks in order to facilitate the installation of new piping. The extent of track removal is limited to areas that are in direct conflict with the installation of new piping.

This item shall include all work necessary to remove and dispose of existing steel rail, railroad ties, associated railroad steel hardware such as spikes, plates, ballast, and any associated concrete foundation that may be there. This item will include cutting the steel rail with a torch or saw, cutting the railroad ties and breaking out the concrete foundation. The track, ties and foundation will be removed. This item does not include payment for paving and paving related items (removal, disposal, replacement, saw-cut, base, asphalt, concrete, sidewalk, driveways, curb and/or gutter, sod, seed, etc.), which are subsidiary to the pipe installation. The provisions of **Item 104.2.1. Increased Or Decreased Quantities of Work** of the Specifications regarding negotiating for revised consideration for over/underruns **do not** apply to this item.

This is a contingent item and payment will be made only if directed by the DWU Construction Superintendent.

Measurement and payment shall be at the contract Unit Price per each area of track removal. The area of track removal is measured as a maximum length of six feet as measured along the track and an approximate maximum width of eight feet. The depth of track removal will be a maximum of two feet as measured from the top of rail to the bottom of tie or concrete foundation.

SCHEDULE A: WATER AND WASTEWATER BID ITEMS

ITEM NO. 20500

INVESTIGATION

This item consists of excavating at approximately **73** each locations to a specific infrastructure(s) to determine type, size, location, elevation, and/or condition as determined by the Engineer. The disturbed area will be replaced with compacted backfill in accordance with **Item 504. Open Cut – Backfill and Item 504.6.1. Excavated Material** of these specifications and addenda thereto.

In paved areas, the pavement will be replaced with a compacted 8" thick base of Crushed Rock in accordance with **Item 402.4.COD: Replacing Paved Surfaces**, and **301.5. Flexible Subbase Or Base (Crushed Stone/Concrete)**, and a compacted 2" thick surface of Hot or Cold Mix asphalt pavement for temporary paving in accordance with **Item 402.4.COD: Replacing Paved Surfaces**, and **Item 302.9. Hot-Mix Asphalt Pavement**.

This item is complete and includes all equipment, materials and labor, saw-cut, pavement, base, and sub-base removal, excavation, backfill, compaction, disposal of excess materials, all temporary and permanent paving, and paving related items, sidewalk, curb and/or gutter, driveways, sod, costs for barricading, trench safety and support, support for existing utilities, and all other work associated with this item.

Payment will not be made under this item if the infrastructure is to be adjusted, abandoned, or replaced prior to the placement of backfill. If the investigation is for more than one infrastructure in the same excavation, payment shall be made for only one investigation.

Measurement and payment will be per each complete in place.

END OF SCHEDULE A

SCHEDULE B: WATER BID ITEMS

ITEM NO. 2050AF 54" WATER PIPE WITH TWO 18" OUTLETS

This item consists of furnishing and placing approximately 20 Linear Feet of 54" Class 125 Prestressed Concrete Cylinder Water Pipe to be used for installation of New Air Valves by Cut-in Method; including two 18" outlets, bends, bevels, closure coupling, welding, coatings, linings, outlets, other concrete fittings and all embedment materials as shown on the plans and barricading in accordance with Item 506. Open Cut – Water Conduit Installation, Item 506.5.COD: Hydrostatic Test, Item 506.6.COD: Connections To Existing Water Conduits, Item 506.6.1.COD: Water Main Tie-In During Off Hours, Item 506.6.2.COD: Shutdown of Water Mains 20" Diameter and Larger, Item 506.7.3.2.COD: Flushing Method, Item 506.7.COD: Disposal of Heavily Chlorinated Water Main Flushing Water, Item 506.7.1.COD: Preliminary Flushing, Item 506.7.2.COD: Chlorination, Item 506.7.3.COD: Flushing, Item 506.7.4.COD: Disposal of Flushing Water, Item 506.7.5.4.COD: Sampling, Item 506.7.6.COD: Indemnification, Item 506.8.1.COD: Cut and Plugs, Item 501.4. Concrete Pressure Pipe and Fittings, Item 501.4.1.1.COD: NSF 61 Compliance and the DWU Standard Technical Specifications for Water & Wastewater Construction, Latest Edition of these specifications and addenda thereto.

This item is a Contingency and payment will be made as directed by the Project Manager.

Measurement and payment will be in accordance with Item 506.9. Measurement and Payment of these specifications.

SCHEDULE B: WATER BID ITEMS

ITEM NO. 2050AF 84" WATER PIPE WITH TWO 18" OUTLETS

This item consists of furnishing and placing approximately 20 Linear Feet of 84" Class 175 Prestressed Concrete Cylinder Water Pipe to be used for installation of New Air Valves by Cut-in Method; including two 18" outlets, bends, bevels, outlets, closure coupling, welding, other concrete fittings and all embedment materials as shown on the plans, and barricading in accordance with Item 506. Open Cut – Water Conduit Installation, Item 506.5.COD: Hydrostatic Test, Item 506.6.COD: Connections To Existing Water Conduits, Item 506.6.1.COD: Water Main Tie-In During Off Hours, Item 506.6.2.COD: Shutdown of Water Mains 20" Diameter and Larger, Item 506.7.3.2.COD: Flushing Method, Item 506.7.COD: Disposal of Heavily Chlorinated Water Main Flushing Water, Item 506.7.1.COD: Preliminary Flushing, Item 506.7.2.COD: Chlorination, Item 506.7.3.COD: Flushing, Item 506.7.4.COD: Disposal of Flushing Water, Item 506.7.5.4.COD: Sampling, Item 506.7.6.COD: Indemnification, Item 506.8.1.COD: Cut and Plugs, Item 501.4. Concrete Pressure Pipe and Fittings, Item 501.4.1.1.COD: NSF 61 Compliance and the DWU Standard Technical Specifications for Water & Wastewater Construction, Latest Edition of these specifications and addenda thereto.

This item will be used with Item 5780H 6" Air Valve Installation on 84" Main By Pipe Cut-in Method and includes New Air Valve locations as follows: Valve 6.2.N.

Measurement and payment will be in accordance with Item 506.9. Measurement and Payment of these specifications.

ITEM NO. 5100H 6" GATE VALVE

This item consists of furnishing and placing approximately 10 Each 6" Gate Valve as part of the Air Valve Replacements in accordance with Item 502.6.6.COD: Line Valve Installation and Item 502.6.1.COD: Double Disk, Metal Seated Gate Valves For Ordinary Waterworks Service Or Item 502.6.2.COD: Resilient-Seated Gate Valves For Ordinary Waterworks Service of these specifications and addenda thereto, and the applicable Standard Drawings. This item will be furnished and installed for Air Valve Replacements at the following locations: Valves 5.2.E, 7.2.E, 9.2.E, 14.10.E, W.5.E and W.7.E. Additional valves are included in the total amount for this item as a Contingency and payment will be made as directed by the Project Manager.

Measurement and payment will be in accordance with Item 502.6.8.COD: Measurement and Payment of these specifications.

SCHEDULE B: WATER BID ITEMS

ITEM NO. 5100JC 8" GATE VALVE

This item consists of furnishing and placing approximately 1 Each 8" Gate Valve as part of the Air Valve Replacements and in accordance with **Item 502.6.6.COD: Line Valve Installation and Item 502.6.1.COD: Double Disk, Metal Seated Gate Valves For Ordinary Waterworks Service Or Item 502.6.2.COD: Resilient-Seated Gate Valves For Ordinary Waterworks Service** of these specifications and addenda thereto, and the applicable Standard Drawings.

This is a **Contingent Item** and payment will be made as directed by the Project Manager.

Measurement and payment will be in accordance with **Item 502.6.8.COD: Measurement and Payment** of these specifications.

ITEM NO. 5120H REMOVE, SALVAGE, AND DELIVER 6" VALVE

This item consists of Removing, Salvaging, and delivering approximately 6 Each 6" Gate Valve. This item to include cleaning, loading, hauling and unloading the valve at Dallas Water Utilities Yard located at 4120 Scottsdale Road. If the Contractor has damaged the valve, after unloading and in the opinion of the Project Manager, no payment on this item will be made, and the Contractor will be charged the replacement cost of the valve.

SCHEDULE B: WATER BID ITEMS

ITEM NO. 5120J

REMOVE, SALVAGE, AND DELIVER 8" VALVE

This item consists of Removing, Salvaging, and delivering approximately 1 Each 8" Gate Valve. This item to include cleaning, loading, hauling and unloading the valve at Dallas Water Utilities Yard located at 4120 Scottsdale Road. If the Contractor has damaged the valve, after unloading and in the opinion of the Project Manager, no payment on this item will be made, and the Contractor will be charged the replacement cost of the valve.

ITEM NO. 5160AKC

84" DIAMETER WATER MANHOLE

This item consists of furnishing and placing approximately 3 Each 84" Diameter Manhole in accordance with Item 502.1. Manholes, Item 502.1.2.COD: Wastewater Manhole Adjustments, Item 502.1.4.8.COD: Wastewater Manhole Frame Seals, and Item 502.1.7.COD: Manhole Backfill of these specifications and addenda thereto, and the applicable Standard Drawings.

Barricading is included in this item. Nonshrink grout shall be used in place of mortar.

This is a **Contingent Item** and payment will be made as directed by the Project Manager.

Measurement and payment will be in accordance with Item 502.1.6.COD: Measurement and Payment of Manholes of these specifications per each complete in place.

SCHEDULE B: WATER BID ITEMS

ITEM NO. 5763H

6" AIR VALVE REPLACEMENT IN PAVEMENT

This item consists of furnishing and replacing approximately **3 Each 6" Air Valve Assembly** at existing air valve locations located in pavement as detailed in the Plans, complete, in accordance with **Item 502.6.3.COD: Air Valves and Item 502.6.6.2.COD: Air Release Valves** of these specifications and addenda thereto, and the applicable details as shown in the Detail Drawings in the Plans and Standard Drawings.

The Contractor will remove and dispose of the existing air valve in the appropriate manner and in conformance with applicable local, state and federal regulations.

This item includes all work to remove the existing air valve and install the new **6" air valve assembly**; to include traffic control, removal of existing air valve assembly, modifying existing vent piping, installation of new **6" air vacuum valve, air release valve, 6" ductile iron piping, 6" ductile iron vent piping, concrete, excavation and backfill for new vent pipe, disposal of excess material, crossing utilities, permits, and all temporary and permanent paving related items (saw-cut, base, asphalt, concrete, sidewalk, driveways, curb and/or gutter, sod, etc.), and any costs for barricading, trench safety and support for these services.**

This item covers Air Valve Replacements at the following locations: Valves **W.2.E, W.4.E and W.5.E**. New gate valve for Valve W.5.E is covered under a separate bid item, **Item No. 5100H 6" Gate Valve**.

Measurement and payment will be per Each at the contract unit price.

SCHEDULE B: WATER BID ITEMS

ITEM NO. 5764H

6" AIR VALVE REPLACEMENT

This item consists of furnishing and replacing approximately **4 Each 6" Air Valve Assembly** at existing air valve locations located outside of paved areas as detailed in the Plans, complete, in accordance with **Item 502.6.3.COD: Air Valves** and **Item 502.6.6.2.COD: Air Release Valves** of these specifications and addenda thereto, and the applicable details as shown in the Detail Drawings in the Plans and Standard Drawings.

The Contractor will remove and dispose of the existing air valve in the appropriate manner and in conformance with applicable local, state and federal regulations.

This item includes all work to remove the existing air valve and install the new **6" air valve assembly**; to include removal of existing air valve assembly, vent piping modification, **6" air vacuum valve**, air release valve, **6" ductile iron piping**, **6" ductile iron vent piping**, concrete, excavation and backfill for new vent pipe, disposal of excess material, crossing utilities, permits, and all temporary and permanent restoration items (topsoil, sod, etc.), and any costs for barricading, trench safety and support for these services.

This item covers Air Valve Replacements at the following locations: Valves **3.1.E, 4.2.E, 8.2.E and D.2.E**.

Measurement and payment will be per Each at the contract unit price.

SCHEDULE B: WATER BID ITEMS

ITEM NO. 5765H

6" AIR VALVE REPLACEMENT WITH NEW MANHOLE

This item consists of furnishing and replacing approximately 1 Each 6" Air Valve Assembly and a new manhole at existing air valve locations located outside of paved streets as detailed in the Plans, complete, in accordance with **Item 502.6.3.COD: Air Valves** and **Item 502.6.6.2.COD: Air Release Valves** of these specifications and addenda thereto, and the applicable details as shown in the Detail Drawings in the Plans and Standard Drawings.

The Contractor will remove and dispose of the existing air valve, manhole, piping and related items in the appropriate manner and in conformance with applicable local, state and federal regulations.

This item includes all work to remove the existing air valve and install the new 6" air valve assembly and to remove and replace the existing manhole; to include removal of existing Type I air valve assembly, piping, air valve box, vent piping; installation of new 6" air vacuum valve, air release valve, 6" ductile iron piping, 6" ductile iron vent piping, installation of new 84-inch manhole, concrete, excavation and backfill for new vent pipe, disposal of excess material, crossing utilities, permits, and all temporary and permanent restoration items (topsoil, sod, etc.), and any costs for barricading, trench safety and support for these services.

This item covers Air Valve Replacements at the following locations: Valve **5.2.E** and Valve **W.7.E**. New gate valves for both valve locations are covered under a separate bid item, **Item No. 5100H 6" Gate Valves**.

Measurement and payment will be per Each at the contract unit price.

SCHEDULE B: WATER BID ITEMS

ITEM NO. 5766H

6" AIR VALVE REPLACEMENT IN SPECIAL VAULT

This item consists of furnishing and replacing approximately **4 Each 6" Air Valve Assembly** at existing air valve located in special vaults as detailed in the Plans, complete, in accordance with **Item 502.6.3.COD: Air Valves** and **Item 502.6.6.2.COD: Air Release Valves** of these specifications and addenda thereto, and the applicable details as shown in the Detail Drawings in the Plans and Standard Drawings.

The Contractor will remove and dispose of the existing air valve in the appropriate manner and in conformance with applicable local, state and federal regulations.

This item includes all work to remove the existing air valves at two flanged outlets within each vault and install new **6" air valve assemblies** at each location; to include traffic control, removal of existing air valve assemblies and vent piping, installation of new **6" air vacuum valves**, **air release valves**, **6" ductile iron piping**, **6" ductile iron vent piping**, wall penetration, concrete, excavation and backfill for new vent pipe, removal of existing gate valve, operator and associated piping, disposal of excess material, crossing utilities, permits, and all temporary and permanent paving-related and restoration items (saw-cut, base, asphalt, concrete, sidewalk, driveways, curb and/or gutter, topsoil, sod, etc.), and any costs for barricading, trench safety and support for these services.

This item covers Air Valve Replacements at the following locations: Valves **7.2.E**, **9.2.E**, **10.6.E** and **14.10.E**. New gate valves for Valves **7.2.E**, **9.2.E** and **14.10.E** are covered under a separate bid item, **Item No. 5100H 6" Gate Valves**.

Measurement and payment will be per Each at the contract unit price.

SCHEDULE B: WATER BID ITEMS

ITEM NO. 5767K

6" AND 10" AIR VALVE REPLACEMENT IN SPECIAL VAULT

This item consists of furnishing and replacing approximately 1 Each 6" and 10" Air Valve Assembly at existing air valve located in special vaults as detailed in the Plans, complete, in accordance with **Item 502.6.3.COD: Air Valves** and **Item 502.6.6.2.COD: Air Release Valves** of these specifications and addenda thereto, and the applicable details as shown in the Detail Drawings in the Plans and Standard Drawings.

The Contractor will remove and dispose of the existing air valve in the appropriate manner and in conformance with applicable local, state and federal regulations.

This item includes all work to remove the existing air valves and gate valve at three flanged outlets within each vault and install new 6" and 10" air valve assemblies at specified locations; to include traffic control, removal of existing air valve assemblies and vent piping, installation of new 6" and 10" air vacuum valves, air release valves, 6" and 10" ductile iron piping; removal of existing gate valves and installation of new 6" and 10" gate valves and associated equipment, 10" ductile iron vent piping, wall penetration, concrete, excavation and backfill for new vent pipe, removal of existing gate valve, operator and associated piping, disposal of excess material, crossing utilities, permits, and all temporary and permanent paving-related and restoration items (saw-cut, base, asphalt, concrete, sidewalk, driveways, curb and/or gutter, topsoil, sod, etc.), and any costs for barricading, trench safety and support for these services.

This item covers Air Valve Replacements at the following locations: Valve **13.8.E**.

Measurement and payment will be per Each at the contract unit price.

SCHEDULE B: WATER BID ITEMS

ITEM NO. 5768J

8" AIR VALVE REPLACEMENT WITH NEW MANHOLE

This item consists of furnishing and replacing approximately 1 Each 8" Air Valve Assembly and a new manhole at existing air valve locations located outside of paved streets as detailed in the Plans, complete, in accordance with **Item 502.6.3.COD: Air Valves** and **Item 502.6.6.2.COD: Air Release Valves** of these specifications and addenda thereto, and the applicable details as shown in the Detail Drawings in the Plans and Standard Drawings.

The Contractor will remove and dispose of the existing air valve, manhole and related items in the appropriate manner and in conformance with applicable local, state and federal regulations.

This item includes all work to remove the existing air valve and install the new 8" air valve assembly and to remove and replace the existing manhole; to include removal of existing air valve assembly, vent piping modification, installation of new 8" air vacuum valve, air release valve, 8" ductile iron piping, 8" ductile iron vent piping, removal and disposal of existing manhole, frame and cover, installation of new manhole, concrete, excavation and backfill for new vent pipe, disposal of excess material, crossing utilities, permits, and all temporary and permanent restoration items (topsoil, sod, etc.), and any costs for barricading, trench safety and support for these services.

This item covers Air Valve Replacements at the following locations: Valve **2.0.E**.

Measurement and payment will be per Each at the contract unit price.

SCHEDULE B: WATER BID ITEMS

ITEM NO. 5769J

8" AIR VALVE REPLACEMENT IN PAVEMENT

This item consists of furnishing and replacing 2 Each 8" Air Valve Assembly at existing air valve locations located adjacent to or within paved streets as detailed in the Plans, complete, in accordance with **Item 502.6.3.COD: Air Valves** and **Item 502.6.6.2.COD: Air Release Valves** of these specifications and addenda thereto, and the applicable details as shown in the Detail Drawings in the Plans and Standard Drawings.

The Contractor will remove and dispose of the existing air valve in the appropriate manner and in conformance with applicable local, state and federal regulations.

This item includes all work to remove the existing air valve assembly and install the new 8" air valve assembly; to include traffic control, removal of existing air valve assembly, vent piping modifications (where called for), installation of new 8" air vacuum valve, air release valve; removal of existing gate valve, furnishing and installing new 8" gate valves; new 8" ductile iron piping, new 8" ductile iron vent piping, concrete, excavation and backfill for new vent pipe, disposal of excess material, crossing utilities, permits, and all temporary and permanent paving related items (saw-cut, base, asphalt, concrete, sidewalk, driveways, curb and/or gutter, sod, etc.), and any costs for barricading, trench safety and support for these services.

This item covers Air Valve Replacements at the following locations: Valves **A.1.E** and **A.3.E**.

Measurement and payment will be per Each at the contract unit price.

SCHEDULE B: WATER BID ITEMS

ITEM NO. 5770H

6" AIR VALVE INSTALLATION ON 84-INCH MAIN BY TAPPING METHOD IN PAVEMENT

This item consists of furnishing and installing approximately 2 Each 6" Air Valve Assembly on 84" main by pipe tapping method and located within paved streets as detailed in the Plans, complete, in accordance with **Item 502.6.3.COD: Air Valves** and **Item 502.6.6.2.COD: Air Release Valves** of these specifications and addenda thereto, and the applicable details as shown in the Detail Drawings in the Plans and Standard Drawings.

This item includes all work to install the 6" air valve assembly by pipe tapping method; to include traffic control, excavation, embedment, backfill, tapping sleeve, grout, temporary 18" tapping valve, 6" air vacuum valve, air release valve, 6" ductile iron piping, 6" ductile iron vent piping, blocking, concrete, 84-inch diameter manhole, frame and cover, disposal of excess material, crossing utilities, permits, and all temporary and permanent paving related items (saw-cut, base, asphalt, concrete, sidewalk, driveways, curb and/or gutter, sod, etc.), and any costs for barricading, trench safety and support for these services. This item also includes required PCCP manufacturer's on-site technical services during the Work.

This item covers New Air Valves at the following locations:
Valves 11.8.N and 12.8.N.

Measurement and payment will be per Each at the contract unit price.

ITEM NO. 5771H

6" AIR VALVE INSTALLATION ON 54-INCH MAIN BY TAPPING METHOD IN PAVEMENT

This item consists of furnishing and installing approximately 6 Each 6" Air Valve Assembly on 54" main by pipe tapping method and located within paved streets as detailed in the Plans, complete, in accordance with **Item 502.6.3.COD: Air Valves** and **Item 502.6.6.2.COD: Air Release Valves** of these specifications and addenda thereto, and the applicable details as shown in the Detail Drawings in the Plans and Standard Drawings.

This item includes all work to install the 6" air valve assembly by pipe tapping method; to include traffic control, excavation, embedment, backfill, tapping sleeve, grout, temporary 18" tapping valve, 6" gate valve, 6" air vacuum valve, air release valve, 6" ductile iron piping, 6" ductile iron vent piping, blocking, concrete, 84-inch diameter manhole, frame and cover, disposal of excess material, crossing utilities, permits, and all temporary and permanent paving related items (saw-cut, base, asphalt, concrete, sidewalk, driveways, curb and/or gutter, sod, etc.), and any costs for barricading, trench safety and support for these services. This item also includes required PCCP manufacturer's on-site technical services during the Work.

This item covers New Air Valves at the following locations:
Valves A.2.N, A.4.N, A.5.N, W.1.N, W.3.N and W.6.N.

Measurement and payment will be per Each at the contract unit price.

SCHEDULE B: WATER BID ITEMS

ITEM NO. 5772H 6" AIR VALVE INSTALLATION ON 54-INCH MAIN BY TAPPING METHOD

This item consists of furnishing and installing approximately 1 Each 6" Air Valve Assembly on 54" main by pipe tapping method and located outside of paved streets as detailed in the Plans, complete, in accordance with **Item 502.6.3.COD: Air Valves** and **Item 502.6.6.2.COD: Air Release Valves** of these specifications and addenda thereto, and the applicable details as shown in the Detail Drawings in the Plans and Standard Drawings.

This item includes all work to install the 6" air valve assembly by pipe tapping method; to include excavation, embedment, backfill, tapping sleeve, grout, 18" temporary tapping valve, new 6" gate valve, 6" air vacuum valve, air release valve, 6" ductile iron piping, 6" ductile iron vent piping, blocking, concrete, 84-inch diameter manhole, frame and cover, disposal of excess material, crossing utilities, permits, and all temporary and permanent restoration items (topsoil, sod, etc.), and any costs for barricading, trench safety and support for these services. This item also includes required PCCP manufacturer's on-site technical services during the Work.

This item covers **New Air Valves** at the following locations:

Valve **D1.N.**

Measurement and payment will be per Each at the contract unit price.

ITEM NO. 5780H 6" AIR VALVE INSTALLATION ON 84-INCH MAIN BY CUT-IN METHOD

This item consists of furnishing and installing approximately 3 Each 6" Air Valve Assembly on 84" main by pipe cut-in method and located outside of paved streets as detailed in the Plans, complete, in accordance with **Item 502.6.3.COD: Air Valves** and **Item 502.6.6.2.COD: Air Release Valves** of these specifications and addenda thereto, and the applicable details as shown in the Detail Drawings in the Plans and Standard Drawings.

This item includes all work to install the 6" air valve assembly by pipe cut-in method; to include traffic control, excavation, embedment, backfill, flowable fill, grout, 6" gate valve, 6" air vacuum valve, air release valve, 6" ductile iron piping, 6" ductile iron vent piping, blocking, concrete, 120-inch diameter manhole, frame and cover, disposal of excess material, crossing utilities, permits, and all temporary and permanent paving related items (top soil, sod, etc.), and any costs for barricading, trench safety and support for these services.

The new 84" pipe segment with 6" outlet is included in a separate bid item, Item 2010AL and includes furnishing and installing of the new PCCP.

This item will be furnished and installed for New Air Valve at the following locations: Valve **6.2.N.**

Measurement and payment will be per Each at the contract unit price.

SCHEDULE B: WATER BID ITEMS

ITEM NO. 5781H

6" AIR VALVE INSTALLATION ON 54-INCH MAIN BY CUT-IN METHOD

This item consists of furnishing and installing approximately 2 Each 6" Air Valve Assembly on 54" main by pipe cut-in method and located outside of paved streets as detailed in the Plans, complete, in accordance with **Item 502.6.3.COD: Air Valves** and **Item 502.6.6.2.COD: Air Release Valves** of these specifications and addenda thereto, and the applicable details as shown in the Detail Drawings in the Plans and Standard Drawings.

This item includes all work to install the 6" air valve assembly by pipe cut-in method; to include traffic control, excavation, embedment, backfill, flowable fill, grout, 6" gate valve, 6" air vacuum valve, air release valve, 6" ductile iron piping, 6" ductile iron vent piping, blocking, concrete, 120-inch diameter manhole, frame and cover, disposal of excess material, crossing utilities, permits, testing and all temporary and permanent paving related items (topsoil, sod, etc.), and any costs for barricading, trench safety and support for these services.

The new 54" pipe segment with 6" outlet is included in a separate bid item, Item 2010AF and includes furnishing and installing of the new PCCP.

This item is a **Contingency** and payment will be made as directed by the Project Manager.

Measurement and payment will be per Each at the contract unit price.

ITEM NO. 6270

FENCE REPLACEMENT

This item consists of installing 50 Linear Feet of various types of Fence to replace existing fences within the limits described on the plans.

Fences shall be installed plumb. They shall be constructed of new materials of like kind and same construction as the existing fences to be replaced. Replacement fences shall abut adjacent fences to maintain the completeness of previously enclosed areas. This item shall include any posts and footings, gates, and all accessory objects necessary to install and match the individual types of existing fences to be replaced.

This is a contingent item and payment will only be made if directed by the Project Manager. Basis for payment shall be per Linear Foot of fence replaced.

SCHEDULE B: WATER BID ITEMS

ITEM NO. 6901

PLACEMENT OF SPOT SODDING

This item consists of furnishing and placing approximately **50** Square Yards of Spot Sodding in accordance with **Item 202.5.1. Description, Item 202.5.2. Materials, and Item 202.5.3.1. Plugging** of these specifications and addenda thereto.

This is a Contingent Item and payment will be made, if placement is directed by the Project Manager.

Measurement will be specified as ditch width and the length measured in Linear Feet.

Payment will be in accordance with **Item 202.5.4.COD: Measurement and Payment** of these specifications.

ITEM NO. 6925

TRENCH EXCAVATION SAFETY AND SUPPORT

This item consists of Trench Excavation Safety and Support for approximately **500** Linear Feet of trench in accordance with the Occupational Safety and Health Administration Standards 1926.652 "Requirements for Protective Systems".

Trench Excavation Safety and Support shall be measured along the centerline of the trench where trench is sloped to maintain angle of repose, a trench box is utilized, or trench is shored. Payment shall be allowed for all section of trench regardless of depth.

ITEM NO. 7030

ROCK FOUNDATION

This item consists of furnishing and placing approximately **200** Cubic Yards of Rock Foundation at locations approved by the Project Manager, in accordance with **Item 504.3.2. Foundation and Item 504.2.2.4. Crushed Stone For Foundation** of these specifications and addenda thereto.

This is a **Contingent Item** and payment will be made as directed by the Project Manager.

Measurement and payment will be in accordance with **Item 504.3.2.1. Foundation Measurement and Item 504.3.2.2. Foundation Payment** of these specifications.

SCHEDULE B: WATER BID ITEMS

ITEM NO. 7040

STABILIZED BACKFILL

This item consists of furnishing and placing approximately **500** Cubic Yards of Stabilized Backfill in accordance with **Item 504.6.2. Stabilized Backfill** of these specifications and addenda thereto, and as shown on the plans and detailed on the applicable Standard Drawings.

This is a **Contingent Item** and payment will be made as directed by the Project Manager. **See 107.27.COD: Environmental Compliance.**

Measurement and payment will be in accordance with **Item 504.7. Measurement and Payment of Backfill, Item 504.7.1. Measurement of Backfill Material, and Item 504.7.2. Payment of Backfill Material** of these specifications.

ITEM NO. 7041

FLOWABLE BACKFILL

This item consists of furnishing and placing approximately **500** Cubic Yards of Flowable Backfill in accordance with **Item 504.6.6. Flowable Backfill and Item 504.2.3.4. Flowable Backfill** of these specifications and addenda thereto.

This is a **Contingent Item** and payment will be made as directed by the Project Manager. **See 107.27.COD: Environmental Compliance.**

Measurement and payment shall be at the contract Unit Price per Cubic Yard for completed and accepted work.

ITEM NO. 7075

CLASS "F" CONCRETE

This item consists of furnishing and placing approximately **200** Cubic Yards of Class "F" Concrete in accordance with **Item 504.3.2. Foundation, Item 502.4.1. Concrete Blocking, and Item 702.2. Mix Design and Mixing Concrete For Structures** of these specifications and addenda thereto, and the applicable Standard Drawings. **See 107.27.COD: Environmental Compliance.**

This is a **Contingent Item** and payment will be made as directed by the Project Manager. **See 107.27.COD: Environmental Compliance.**

Measurement and payment will be in accordance with **Item 504.3.2.1. Foundation Measurement and Item 504.3.2.2. Foundation Payment or Item 502.4.4. Measurement and Payment** of these specifications.

SCHEDULE B: WATER BID ITEMS

ITEM NO. 7712

STORM WATER POLLUTION PREVENTION PLAN

This item is to reimburse the Contractor for costs to develop, implement, and maintain the Storm Water Pollution Prevention Plan. Modification to the SWPPP or additional control items required by the Engineer will be at no additional cost.

This item to include all equipment, materials, labor, and maintenance necessary to control storm water pollution.

This is a lump sum item and payment shall be based on the percentage of construction for complete, in place, maintained, removed, and accepted work.

ITEM NO. 7520

TEMPORARY PAVING (HOT MIX OR HIGH PERFORMANCE MIX)

This item consists of furnishing, placing, and removing approximately 10 Tons of Hot or High Performance Mix Asphalt Pavement for Temporary Paving, as authorized by the Engineer. Hot Mix Asphalt shall conform to **Item 302.9. Hot-Mix Asphalt Pavement and 403.2.3. Hot-Mix, Cold-Laid Asphaltic Concrete (Cold Mix)** of these specifications. Hot or High Performance Mix shall be placed in accordance with **Item 402.4. Replacing Paved Surfaces** of these specifications and addenda thereto.

The method of measurement for payment will be in Tons (2,000 pounds) of material in place and accepted. The basis of payment will be based on the maximum permissible width of ditch as specified for type or kind of conduit to be constructed as shown on the plans or Standard Drawings, and a compacted thickness of 2" over flexible base.

This is a **Contingent Item** and payment will be made as directed by the Project Manager. **See 107.27.COD: Environmental Compliance.**

ITEM NO. 7560

CRUSHED ROCK FOR TEMPORARY PAVING BASE

This item consists of furnishing and placing approximately 30 Cubic Yards of Crushed Rock (Flexible Base) for Temporary Paving Base material in accordance with **Item 402.4.COD: Replacing Paved Surfaces and Item 301.5. Flexible Subbase Or Base (Crushed Stone/Concrete)** of these specifications and addenda thereto.

Measurement and payment will be in accordance with **Item 402.4.10. Payment For Pavement Replacement** of these specifications.

This is a **Contingent Item** and payment will be made as directed by the Project Manager. **See 107.27.COD: Environmental Compliance.**

SCHEDULE B: WATER BID ITEMS

ITEM NO. 7570

REINFORCED CONCRETE PAVING

This item consists of furnishing and placing approximately **30** Cubic Yards of Reinforced Concrete Paving in accordance with **Item 402.4.4. Replacing Reinforced Concrete Pavement, Item 303. Portland Cement Concrete Pavement and Item 303.2.1.3.2.COD: Gradation** of these specifications and addenda thereto. **See 107.27.COD: Environmental Compliance.**

This item shall also include removal and disposal of existing pavement, if it lies outside of trench width plus two feet.

This is a **Contingent Item** and payment will be made as directed by the Project Manager. **See 107.27.COD: Environmental Compliance.**

Measurement and payment will be in accordance with **Item 402.4.4.1. Measurement of Reinforced Concrete Pavement and Item 402.4.10. Payment For Pavement Replacement** of these specifications.

ITEM NO. 7600

REINFORCED CONCRETE BASE

This item consists of furnishing and placing approximately **30** Cubic Yards of Reinforced Concrete Base in accordance with **Item 402.4.COD: Replacing Paved Surfaces, Item 402.4.11.COD: Replacing Asphaltic Concrete Pavement with A Concrete Base, Item 303. Portland Cement Concrete Pavement and Item 303.2.1.3.2.COD: Gradation** of these specifications and addenda thereto. **See 107.27.COD: Environmental Compliance.**

This item shall also include removal and disposal of existing pavement, if it lies outside of trench width plus two feet.

This is a **Contingent Item** and payment will be made as directed by the Project Manager. **See 107.27.COD: Environmental Compliance.**

Measurement and payment will be in accordance with **Item 402.4.5.1. Measurement of Concrete Pavement and Asphalt Overlay and Item 402.4.10. Payment For Pavement Replacement** of these specifications.

SCHEDULE B: WATER BID ITEMS

ITEM NO. 7655

HOT MIX ASPHALT CONCRETE PAVEMENT

This item consists of furnishing and placing approximately 10 Tons of Hot Mix Asphalt Concrete Pavement in accordance with **Item 402.4.COD: Replacing Paved Surfaces**, **Item 402.4.11.COD: Replacing Asphaltic Concrete Pavement with A Concrete Base**, and **Item 302.9. Hot-Mix Asphalt Pavement** of these specifications and addenda thereto. A prime coat shall be applied to a completed granular base course as described in **Item 302.7. Prime Coat** and **Item 302.9. Hot-Mix Asphalt Pavement**, at a rate of 0.25 gallons per square yard. A tack coat shall be applied to a surface of concrete, brick, or asphalt at a rate of 0.10 gallons per square yard. Prime coat and tack coat shall be not be measured for payment, but will be subsidiary to this bid item.

This item shall also include removal and disposal of existing pavement, if it lies outside of trench width plus two feet.

This is a **Contingent Item** and payment will be made as directed by the Project Manager. **See 107.27.COD: Environmental Compliance.**

Measurement and payment will be in accordance with **Item 402.4.5.1. Measurement of Concrete Pavement and Asphalt Overlay**, **Item 402.4.6.1. Measurement For Full Depth Hot-Mix Asphalt Pavement**, or **Item 402.4.7.1. Measurement For Hot-Mix Asphalt Pavement On A Flexible Base**, **Item 402.4.10. Payment For Pavement Replacement**, and **Item 402.4.11.1.COD: Measurement of Asphaltic Concrete Pavement with A Concrete Base** of these specifications.

ITEM NO. 7816

SAWING

This item consists of approximately 200 Linear Feet of Sawing. This shall apply in the removal of bituminous or concrete pavement, curb, gutter, sidewalk or driveways. This item shall also govern for the sawing of weakened plane joints (contraction joints). Sawing shall be in accordance with the requirements of this item. Dust and residues from sawing shall be prevented from entering the atmosphere or storm drain. The edge of pavements, curb, gutter, sidewalk and/or driveways shall be neatly sawed. Saw cuts shall be made perpendicularly to surface to full pavement depth or as directed by the owner. The edges of pavement and appurtenances damaged subsequent to sawing shall again be saw cut to neat straight lines for the purpose of removing the damaged areas. Such saw cuts shall be parallel to the original saw cut. Concrete sidewalk or driveway to be removed shall be neatly sawed in straight lines either parallel to the curb or at right angles to the alignment of the sidewalk.

This is a **Contingent Item** and payment will be made as directed by the Project Manager. **See 107.27.COD: Environmental Compliance.**

Measure for payment shall be measured and paid in linear feet of groove actually cut in accordance with these specifications.

SCHEDULE B: WATER BID ITEMS

ITEM NO. 8011

CONSTRUCTION SURVEYING

This item consists of providing Pre- and Post-Construction Surveying by the Contractor's qualified personnel for approximately **10** each locations of new air valves installed as part of this Work and in accordance with **Item 105.4.COD: Construction Stakes** of the NCTCOG Specifications and addenda thereto.

The survey will be based on established City of Dallas benchmarks applicable to the sites for horizontal control. Pre-construction survey includes tying in the existing ground elevation and top of 54" or 84" main at the new air valve locations (based on results of the utility investigations completed as part of **Item 20500 Investigation**; post-construction survey will tie in locations of the completed new air valve installations.

Measurement and payment will be per each new air valve site and includes instrumentation and equipment, notes and cut sheets in final form and any other associated costs, such as barricading and traffic control for these services. Payment will be made when surveying is complete from point of beginning to point of end as shown on the plan drawings and upon submission and approval of survey data (see **DWU Standard Technical Specifications for Water & Wastewater Construction, Latest Edition** for approved data format).

SCHEDULE B: WATER BID ITEMS

ITEM NO. 20500

INVESTIGATION

This item consists of excavating at approximately **22** each locations to a specific infrastructure(s) to determine type, size, location, elevation, and/or condition as determined by the Engineer. The disturbed area will be replaced with compacted backfill in accordance with **Item 504. Open Cut – Backfill and Item 504.6.1. Excavated Material** of these specifications and addenda thereto.

In paved areas, the pavement will be replaced with a compacted 8" thick base of Crushed Rock in accordance with **Item 402.4.COD: Replacing Paved Surfaces, and 301.5. Flexible Subbase Or Base (Crushed Stone/Concrete)**, and a compacted 2" thick surface of Hot or Cold Mix asphalt pavement for temporary paving in accordance with **Item 402.4.COD: Replacing Paved Surfaces, and Item 302.9. Hot-Mix Asphalt Pavement**.

This item is complete and includes all equipment, materials and labor, saw-cut, pavement, base, and sub-base removal, excavation, backfill, compaction, disposal of excess materials, all temporary and permanent paving, and paving related items, sidewalk, curb and/or gutter, driveways, sod, costs for barricading, trench safety and support, support for existing utilities, and all other work associated with this item.

Payment will not be made under this item if the infrastructure is to be adjusted, abandoned, or replaced prior to the placement of backfill. If the investigation is for more than one infrastructure in the same excavation, payment shall be made for only one investigation.

Measurement and payment will be per each complete in place.

END OF SCHEDULE B: WATER BID ITEMS

A 5.

DAVIS BACON WAGE SCHEDULE

"General Decision Number: TX20200018 01/03/2020

Superseded General Decision Number: TX20190018

State: Texas

Construction Type: Heavy

Counties: Collin, Dallas, Denton, Ellis, Kaufman and Rockwall
Counties in Texas.

Water and Sewer Lines/Utilities (Including Related Tunneling
Where the Tunnel is 48" or Less in Diameter)

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.80 for calendar year 2020 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.80 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2020. If this contract is covered by the EO and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must pay workers in that classification at least the wage rate determined through the conformance process set forth in 29 CFR 5.5(a)(1)(ii) (or the EO minimum wage rate, if it is higher than the conformed wage rate). The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/03/2020

* PLUM0100-002 11/01/2017

	Rates	Fringes
Plumbers and Pipefitters.....	\$ 30.84	11.51
<hr/>		
SUTX1991-004 09/23/1991		

	Rates	Fringes
Laborers:		
Common.....	\$ 7.25	
Utility.....	\$ 7.467	

Pipelayer.....\$ 7.828

Power equipment operators:

Backhoe.....\$ 10.804

Crane.....\$ 10.942

Front End Loader.....\$ 9.163

Tunneling Machine (48" or
less).....\$ 9.163

TRUCK DRIVER.....\$ 8.528

WELDERS - Receive rate prescribed for craft performing
operation to which welding is incidental.

Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number,

005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted

because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION

"

A 5. MINIMUM WAGE SCHEDULE

SCHEDULE B (12-2099)
Highway/Heavy Construction Prevailing Wage Rates 2012

Classification	Prevailing Rate
Asphalt Distributor Operator	\$15.32
Asphalt Paving Machine Operator	\$13.99
Asphalt Raker	\$12.69
Broom or Sweeper Operator	\$11.74
Concrete Finisher – Paving and Structures	\$14.12
Concrete Paving Finishing Machine	\$16.05
Concrete Paving Saw Operator	\$14.48
Crane Operator, Lattice Boom 80 Tons or Less	\$17.27
Crane Operator, Lattice Boom over 80 Tons	\$20.52
Crane, Hydraulic 80 Tons or Less	\$18.12
Crawler Tractor	\$14.07
Electrician	\$19.80
Excavator, 50,000 Pounds or Less	\$17.19
Excavator, over 50,000 Pounds	\$16.99
Flagger	\$10.06
Form Builder/Setter, Structures	\$13.84
Form Setter - Paving & Curb	\$13.16
Foundation Drill Operator, Crawler Mount	\$17.99
Foundation Drill Operator, Truck Mount	\$21.07
Front End Loader 3 CY or Less	\$13.69
Front End Loader, over 3 CY	\$14.72
Laborer – Common	\$10.72
Laborer - Utility	\$12.32
Loader / Backhoe	\$15.18
Mechanic	\$17.68
Milling Machine	\$14.32
Motor Grader, Fine Grade	\$17.19
Motor Grader, Rough	\$16.02
Pavement Marking Machine	\$13.63
Pipe Layer	\$13.24
Reclaimer / Pulverizer	\$11.01
Roller, Asphalt	\$13.08
Roller, Other	\$11.51
Scraper	\$12.96
Servicer	\$14.58
Small Slipform Machine	\$15.96
Spreader Box	\$14.73

SCHEDULE B - Prevailing Wage Rates

Page 2

Steel Worker (Reinforcing)	\$16.18
Truck Driver - Lowboy - Float	\$16.24
Truck Driver - Off Road Hauler	\$12.25
Truck Driver - Single Axle	\$12.31
Truck Driver - Single or Tandem Axle Dump Truck	\$12.62
Truck Driver - Tandem Axle Tractor with Semi Trailer	\$12.86
Truck Driver - Transit Mix	\$14.14
Tunnel Boring Machine Operator (greater than 48")	\$13.61
Tunneling Machine Operator (48" or less)	\$ 9.16
Welder	\$14.84
Work Zone Barricade Servicer	\$11.68

If the construction project involves the expenditure of federal funds of \$2,000 or more, the minimum wages to be paid various classes of laborers and mechanics will be based upon the wages that will be determined by the Secretary of Labor to be prevailing for the corresponding classes of laborers and mechanics employed on the project of a character similar to the contract work in the City of Dallas.

Except for work on legal holidays, the "General Prevailing Rate of Per Diem Wage" for the various crafts or type of workers or mechanics is the product of (A) the number of hours worked per day, except for overtime hours, times (B) the above respective rate per hour.

For legal holidays, the "General Prevailing Rate of Per Diem Wage" for the various crafts or type of workers or mechanics is the product of (A) one and one-half times the above respective rate per hour times (B) the number of hours worked on the legal holiday.

The "General Prevailing Rate for Overtime Work" for the crafts or type of workers or mechanics is one and one-half times the above respective rate per hour.

Under the provisions of Chapter 2258 of the Government Code, the contractor shall forfeit as a penalty to the entity on whose behalf the contract is made or awarded, sixty dollars (\$60.00) for each laborer, worker or mechanic employed, for each calendar day, or portion thereof, such laborer, worker or mechanic is paid less than the said stipulated rates for any work under the contract, by him, or by any subcontractor under him.

A 6. PROPOSAL TABULATION:

Proposals for the project will be tabulated only as shown on the Summary at the end of the Proposal.

A 7. TIME:

Time is the essence of the Contract. The time allotted for the completion of this Contract is **As Specified Per Special Provision S-6**.

A 8. SPECIFICATIONS:

Besides this Part A, the following are a part of this Contract:

1. Part "T", Technical Specifications (where this part is required). A copy of the DWU Standard Technical Specifications for Water & Wastewater Construction, October 2017 (or Latest Edition) which includes a link to the website for the DWU Approved Materials List for Water and Wastewater Construction, May 2019, in the Preface (P-2) can be obtained at:
http://dallascityhall.com/departments/waterutilities/Pages/dwu_design_standards.aspx.
2. Part "T", Technical Specifications (where this part is required). A copy of the DWU Approved Materials List for Water and Wastewater Construction, May 2019, can be obtained at:
http://dallascityhall.com/departments/waterutilities/Pages/dwu_design_standards.aspx.
3. DWU American Iron and Steel Approved Materials List for Texas Water Development Board Water Construction – January 2019
http://dallascityhall.com/departments/waterutilities/Pages/dwu_design_standards.aspx.
4. Contracts and Bond Forms
5. Drawings
6. Proposal
7. Standard Specifications for Public Works Construction - North Central Texas Council of Governments (Fourth Edition - 2004), A copy may be obtained from the North Central Texas Council of Governments, 616 Six Flags Dr., Arlington, Texas 76005, Telephone: (817) 640-3300.
8. City of Dallas 2011 ADDENDUM to the Public Works Construction - North Central Texas Council of Governments - Fourth Edition – October 2004, October 1, 2011, (or Latest Edition). A copy of the City of Dallas ADDENDUM to the NCTCOG General Specifications can be obtained at
http://dallascityhall.com/departments/waterutilities/Pages/dwu_design_standards.aspx.

9. Dallas Water Utilities Standard Drawings for Water & Wastewater Construction, October, 2017 (or Latest Edition). - A copy of the City of Dallas Standard Drawings can be obtained at http://dallascityhall.com/departments/waterutilities/Pages/dwu_design_standards.aspx.
10. Occupational Safety and Health Standards - Excavation, 29 CFR Part 1926, effective January 2, 1990.
11. City of Dallas BID Plan – October 22, 2008 (last modification). A copy of the Plan may be obtained at Dallas City Hall, Office of Procurement Services, 1500 Marilla Street, 3FN, Dallas, Texas 75201, 214-670-3325, or on their website at https://dallascityhall.com/departments/procurement/pages/business_inclusion_development.aspx.
12. A revised copy with Ordinance 29993 attached amending the Department of Public Works and Transportation Pavement Cut and Repair Standards Manual (October 2003 or latest edition) may be purchased from the Office of the Director of Public Works and Transportation, Public Works and Transportation Department, 320 E. Jefferson Boulevard, Room 102, Dallas, Texas 75203.
13. City of Dallas Department of Public Works Standard Construction Details 251D-1, September 2002, or latest edition.
A copy can be obtained at <http://dallascityhall.com/departments/public-works/pages/constructionstandards.aspx>.

A 9. ADDENDA:

All Bidders are required to acknowledge receipt of all Addenda.

A 10. Business Inclusion and Development Plan - MWBE PARTICIPATION

Overview

On October 22, 2008, the City Council adopted the following amendments to the City's Good Faith Effort (GFE) plan:

- Changed the name from GFE Plan to the Business Inclusion and Development (BID) Plan to reflect both inclusion and developing M/WBE firms.
- Implemented an evaluation process which assigns points to encourage meaningful inclusion of M/WBE firms in response to the evaluation of proposals, including best value bids estimated to be in excess of \$250K.
- Encouraged bidders and proposers on City projects to create Joint Ventures-when feasible-to increase capacity and build stronger and larger M/WBE firms in the market.
- During Fiscal Year 08-09, the City of Dallas was \$30M (or 29%) above our M/WBE Goal.

Policy Statement

It is the policy of the City of Dallas to involve Minority and Women-Owned Business Enterprises (M/WBEs) to the greatest extent feasible on the City's construction, procurement and professional services contracts. It is the policy of the City of Dallas to encourage the growth and development of M/WBEs that can successfully compete for contracting opportunities. The City and its contractors shall not discriminate on the basis of race, color, religion, national origin, or sex in the award and performance of contracts. In consideration of this policy, the City of Dallas has adopted the Business Inclusion and Development (BID) Plan for all City of Dallas contracts.

Scope of BID Plan

The BID Plan shall apply to all contracts for the purchase of goods or services over \$50,000 with special emphasis on those contracts with first tier subcontracting opportunities. The provision of the BID Plan takes precedence over any departmental plans or procedures in conflict herewith, except for specific requirements mandated by the terms or conditions of agreements in force between the City and the Federal Government or the State of Texas that require different procedures than those described in the BID Plan.

The BID Plan Goals

The BID Plan establishes standard requirements for all prospective City of Dallas bidders/proposers to ensure a reasonable degree of participation by M/WBEs in all City contracts. It is the goal of the City that a certain percentage of work under each contract be performed by one or more M/WBEs.

On March 24, 2004, the City Council approved the following M/WBE participation goals (Council Resolution #041033). These goals were adopted without consideration for ethnicity or gender.

- Construction: 25.00%
- Architectural & Engineering: 25.66%
- Other Professional: 36.30%
- Other Services: 23.80%
- Goods: 18.00%

Prospective bidders/proposers are required to make a "good faith effort" to meet the established participation goals and must document their good faith effort to include M/WBEs in the contract.

Definitions of a M/WBE

- A. Minority/Women Business Enterprise means a business:
1. Which is at least 51% owned and controlled by one or more socially and economically disadvantaged individuals, or in the case of any publicly owned business, of which at least 51% of the stock is owned by one or more socially and economically disadvantaged individuals;
- B. "Socially and economically disadvantaged individuals" means those individuals who are citizens of the United States (or lawfully admitted permanent residents) who are:
1. African American (persons having origins in any of the Black racial tribes of Africa);
 2. Hispanic Americans (persons of Mexican, Puerto Rican, Cuban, Central or South American or other Spanish culture or origin, regardless of race);
 3. Native Americans (persons who are American Indians, Eskimos, Aleuts or Native Hawaiians);
 4. Asian Pacific Americans (persons whose origins are from Japan, China, Guam, the U.S. Trust Territories of the Pacific and the Northern Marianas);
 5. Asian-Indian Americans (persons whose origins are from India, Pakistan, and Bangladesh);
 6. Women (regardless of race, ethnicity or origin); or
 7. Any other minorities or individuals found to be disadvantaged by the Small Business Act.
 8. Disabled will be evaluated on a case-by-case basis

- C. The phrase "owned and controlled" as used in this definition means a business is:
1. a sole proprietorship legitimately owned by an individual who is a minority or a female;
 2. a partnership or joint venture controlled by minority individuals and/or females, and in which at least 51% of the beneficial ownership interests legitimately are held by minority and/or female individuals; or
 3. a corporation or other entity controlled by a minority or women, or both, and in which at least 51% of the voting interests and 51% of the beneficial ownership interests are legitimately held by minority individuals or women, or both. In addition, these persons must control the management and operation of the business on a day-to-day basis.

Responsibilities of the City and M/WBEs in the Bidding/Proposal Process

A. M/WBE Directory

1. The City of Dallas will maintain a directory to identify M/WBEs relevant to general contracting requirements and to particular bid/proposal solicitations. The directory will consist of certified M/WBEs who are also registered City of Dallas vendors. BDPS will make the M/WBE Directory available to potential contract awardees to assist in efforts to meet BID goals and requirements.
2. The following information will be maintained on each M/WBE firm listed in the M/WBE Directory: name of business, address, telephone number, email address, services and products of the firm. The directory will include M/WBEs who manufacture, produce, lease, sell, distribute or produce equipment or professional services procured by the City. This information will be used to notify M/WBEs of opportunities for participation in City contracts and to provide other business enterprises with contacts for subcontracting and joint ventures with M/WBEs.

B. Certification of M/WBEs Desiring to Participate in the City's M/WBE Certification Program

1. The City of Dallas is a member of the North Central Texas Regional Certification Agency (NCTRCA). The agency certifies ownership and control of M/WBEs and provides a centralized M/WBE certification service for public agencies and municipalities. M/WBEs seeking certification can utilize NCTRCA for certification purposes. Copies of application forms for certification are available from BDPS and from the NCTRCA website: www.nctrca.org. However, the City of Dallas, upon authorization from the

Director of BDPS, will accept certification of M/WBEs from agencies of similar guidelines whether from private certification agencies, municipalities, state or federal government entities. All businesses wishing to be certified as an M/WBE business will be required to provide documentation needed by the City to certify such firms as M/WBEs.

Compliance Procedures

A. Description of BID Documentation Forms

Forms are provided to all apparent low bidders/most advantageous proposers for use in documenting M/WBE subcontractor participation and compliance with the BID Plan. As a prerequisite for City Council award, all primes who have been identified as the apparent low bidder/most advantageous proposer must complete the appropriate forms.

All bid documents and proposal packages must include the signed BID affidavit confirming the bidder/proposer's intent to comply with the City's BID Plan. No other BID documentation will be required at time of bid.

1. BID Affidavit

This form is turned in with the bid packet or proposal package and certifies that the bidder/proposer agrees to comply with the City's BID Plan.

2. Schedule of Work and Actual Payment Form

This form provides information on:

- a. Verification of the prime contractor's use of 100% of its own workforce to complete the contract (if applicable);
- b. First tier subcontractors, suppliers or sub consultants participating with the prime contractor on the contract;
- c. Payments made to the subcontractor, supplier or sub consultant through the term of the contract;
- d. Contracts over \$1M report payments on a monthly basis; contracts under \$1M report payments on a quarterly basis.

3. Ethnic Workforce Composition Report

This form provides information on the ethnic and gender composition of the prime's workforce.

4. Subcontractor Intent Form

This form is to be completed by the apparent low bidder/most advantageous proposer and all M/WBE subcontractors, suppliers or sub consultants participating on the anticipated contract. One form for each M/WBE subcontractor, supplier or sub consultant will be required.

5. BID Documentation Form

This form is to be completed by the apparent low bidder/most advantageous proposer who will NOT meet the applicable BID goal. The form documents a bidder's/proposer's BID efforts to obtain M/WBEs for subcontracting or sub consulting opportunities in compliance with the BID Plan.

6. Change of M/WBE Subcontractor/Supplier Form

This form is to be completed by prime contractors to document subcontractor, supplier or sub consultant changes during the term of the contract.

B. Submission of BID Documentation Forms

BID forms are submitted by the apparent low bidder/most advantageous proposer. The apparent low bidder/most advantageous proposer has up to five (5) business days after the City has issued notification of intent to award the contract. The apparent low bidder / most advantageous proposer shall submit BID forms to Business Development and Procurement Services (BDPS).

1. Prime contractors who will meet or exceed the BID goal must submit the following forms:
 - a. Schedule of Work and Actual Payment Form
 - b. Ethnic Composition Workforce Report
 - c. Subcontractor Intent Form(s)
2. Prime contractors who will not meet the BID goal must submit the following forms:
 - a. Schedule of Work and Actual Payment Form
 - b. Subcontractor Intent Form(s)
 - c. Ethnic Composition Workforce Report
 - d. BID Documentation

C. Changes to the Schedule of Work

Once a contract has been approved by City Council, the prime contractor is expected to utilize M/WBE subcontractors or suppliers or listed on the Schedule of Work. In making a M/WBE subcontractor or supplier change, the prime contractor must make a BID to replace the subcontractor or supplier with a M/WBE subcontractor or supplier. Failure to comply with the City's BID Plan in subcontractor, supplier or sub consultant substitutions may result in sanctions. During the course of contract performance, valid reasons to make changes or substitutions to the Schedule of Work are:

1. An increase or decrease in the scope of work;
2. Poor performance by the M/WBE subcontractor or supplier;
3. M/WBE subcontractor, supplier or sub consultant is unable or unwilling to perform the work;
4. M/WBE subcontractor, supplier or sub consultant does not have the equipment or workforce to perform the work; or
5. Other documented reasons

D. All M/WBE subcontractor or supplier changes require submission of a Change of M/WBE Subcontractor/Supplier Form. The prime contractor must submit the following documentation to the City of Dallas project manager prior to any changes in the Schedule of Work:

1. Completed Change of Subcontractor/Supplier Form (signed by the City's project manager) including documentation of BID made to obtain M/WBE subcontractor.
2. Revised Schedule of Work reflecting the revised participation percentages.
3. Subcontractor Intent Form(s) signed by the new M/WBE subcontractor, supplier or sub consultant.
4. Other BID documentation deemed necessary to adequately justify the proposed change and to document the prime contractor's efforts to obtain M/WBE participation.

Acts of Business Inclusion and Development

Determination of BID is based on the apparent low bidder's /most advantageous proposer's documented efforts to obtain M/WBE participation. BID documentation must be submitted and approved by BDPS prior to award of the contract by City Council. To determine whether a BID Plan was made to obtain M/WBE participation, an apparent low bidder/most advantageous proposer that does not meet the established BID goal must demonstrate that a sufficient reasonable BID Plan was made to obtain M/WBE participation in their bid/proposal.

A. Documented efforts include:

1. Contact with the BDPS RLT for assistance in locating M/WBE subcontractors
2. Methods used to identify M/WBE subcontractors:
 - a. Industry relationships
 - b. City of Dallas M/WBE Directory
 - c. Written notices sent to certified M/WBEs
 - d. Assistance from other City Staff (provide names and departments)
 - e. Other (provide appropriate documentation)
3. Communication with 5% of M/WBE companies listed on the City's M/WBE Directory:
 - a. Copy of email communication between prime contractor and solicited subcontractor, supplier or sub consultant
 - b. Documented phone conversation including name and number of contacts
 - c. Other documentation supporting contacts
4. Copy of type of information provided to M/WBE firms contacted
 - a. Plans and specifications
 - b. Scope of work and project schedule
 - c. Industry certification requirements or
 - d. Equipment requirements

If the apparent low bidder/most advantageous proposer does not receive a response from the contacted M/WBE, the apparent low bidder/most advantageous proposer must advise BDPS that no response has been received.

5. The apparent low bidder/most advantageous proposer must consider all sub-bids, quotes and proposals received from M/WBEs and cannot reject M/WBEs as unqualified without sound reasons based on a thorough understanding of their capabilities. If a subcontract is not awarded to an M/WBE because the quote was not competitive, the apparent low bidder/most advantageous proposer must be able to demonstrate that the sub-bid or price quote was not competitive. The apparent low bidder/most advantageous proposer must also show that the sub-bid, price quote or proposal accepted was for the same work or supply of materials as quoted by the M/WBE. M/WBE subcontractors, suppliers or sub consultants who repeatedly fail to respond to requests for sub-bids, price quotes or proposals will be removed from the M/WBE Directory.

Commercially Useful Function

A prime contractor may count towards its M/WBE participation only expenditures to M/WBEs that perform a commercially useful function in the work of a contract. A M/WBE is considered to perform a commercially useful function when it is responsible for execution of a distinct element of the work of a contract and carrying out its responsibilities by actually performing, managing, and supervising the work involved. To determine whether a M/WBE is performing a commercially useful function, the City will take into account the amount of work subcontracted, industry practices, and other relevant factors.

Consistent with normal industry practice, M/WBE subcontractors may subcontract a portion of their work. If a M/WBE contractor subcontracts a significantly greater portion of the work than would be expected on the basis of normal industry practices, the M/WBE will be presumed to not be performing a commercially useful function. The M/WBE may present evidence to the City to rebut this presumption.

Only payments to M/WBEs that perform a Commercially Useful Function (CUF) under the City's contract will count toward the BID goals. A firm is considered to perform a CUF when:

- A. It is responsible for the execution of a distinct element of work on the contract;
- B. It carries out its responsibilities by actually performing, managing, and supervising the work involved; and
- C. The M/WBE owners control the operation of the business.

BID Plan Credit (Local vs. Non-local)

BID goals for M/WBE subcontracting are set by the City Council based on the availability of M/WBEs within a designated market area. Only first tier, local (within City of Dallas limits) M/WBE participation can be counted toward achieving the goals. Participation of M/WBEs located outside City of Dallas limits will be considered as evidence of compliance with the BID Plan, but are not counted towards the determination of whether the goal was achieved.

Counting M/WBE Participation

An M/WBE's certification must be kept current for the entire term of the contract for the City to continue to count the M/WBE's participation toward the BID goals. If an M/WBE's certification lapses during the performance of the contract, only payments received by the M/WBE prior to its de-certification will be counted toward the BID goals. If the M/WBE is re-certified during the term of the contract, 100% of the M/WBE's participation will be counted for the full term of the contract.

Only first tier subcontractors, suppliers or sub consultants will be counted towards the BID goal.

First tier Definition

Only local certified M/WBE subcontractors, suppliers or subconsultants with a direct contractual relationship with the prime contractor will count toward the BID goal. A prime contractor is a company or firm who is awarded a City contract by either the City Council or by Administrative Action. Contracts awarded by the City Council or by Administrative Action that are assigned to a construction manager are also considered prime contractors, with their subcontractors, suppliers and sub consultants counted as first tier.

In addition, first tier subcontractors, suppliers or subconsultants can utilize subcontractors/suppliers consistent with normal industry practice. If, however, the arrangement erodes the ownership, control or independence of the subcontractor/supplier or does not meet the commercially useful function requirement, the contractor shall receive no credit toward the City's BID goal. Also, prime contractors who have subcontractors, suppliers or sub consultants that do not perform a commercially useful function or first tier subcontractors, suppliers or sub consultants that do not perform the majority (51% of the subcontract amount, or normal industry practice) of the work on a contract will not be given credit toward the BID goal.

On contracts for alternative delivery methods for facility construction, (e.g. construction manager at risk, design build, or construction manager-agent), each construction package awarded will be required to fulfill the BID requirements for subcontractor/ supplier participation. Only the first tier subcontracts within the awarded construction packages will be counted towards the BID goals.

Prompt Payment to the Subcontractor

State Law, V.T.C.A., Government Code Section 2251.022, requires prime contractors to pay subcontractors within ten (10) days from receipt of payment from the City.

Right to Audit

In accordance with its contracting policy, the City reserves the right to audit/review any or all parts of a project at any time. Such an audit/review may include information from the prime contractor and any subcontractors, suppliers or sub consultants.

Complaints

All complaints regarding the administration of or compliance with the City's BID Plan will be directed to City of Dallas Department of Business Development and Procurement Services. Formal complaints should be filed with the City Auditor's Office for thorough investigation.

Sanctions for Failure to Comply with BID Requirements

The failure of a contractor to adequately comply with the BID Plan shall be considered by the City in the award of future contracts.

- A. A contractor who fails to adequately document that a BID Plan was made to subcontract with M/WBE firms or to purchase significant material supplies from M/WBE firms may be denied award of the contract by the City on the grounds of nonresponsibility.

- B. If, during the performance of the contract, the contractor is found not to be fulfilling commitments to utilize M/WBE subcontractors/sub consultants and no acceptable justification has been offered by the prime, this failure to fulfill commitments may be considered in the award of future contracts and may result in the denial of such future contracts to the prime contractor.
- C. A prime contractor may be disqualified for contract awards for a three-year period upon the City Council's determination that the contractor:
 - 1. Is non-responsible based upon poor performance
 - 2. Is engaged in pass-through brokering
 - 3. Is engaged in payrolling

A 11.

**DRUG-FREE JOBSITE
ON CITY CONSTRUCTION PROJECTS**

- I. In the interest of job safety and to protect the general public, other Contractors and the Owner's employees from the consequences of accidents that are caused by Worker abuse of controlled substances on City construction projects, the Bidder certifies by submission of its bid that it will make a good faith effort to maintain a drug-free jobsite, and also certifies that to further this objective it will:
 - (a) Establish a controlled substance abuse program that will test for controlled substance use:
 - (1) Employees utilized by the Bidder on this project in safety-sensitive positions; for purposes of this provision a "safety sensitive" position is a position performed at the jobsite, which if performed by a person impaired by the effects of a controlled substance, would or could:
 - (i) Pose a serious risk of death or personal injury to the employee, fellow employees or other persons in the vicinity; or
 - (ii) Compromise the quality of construction in such manner as would impose a significant public safety risk in the use or operation of the City improvement in question;
 - (2) Employees when there is a reasonable suspicion that an employee is using a controlled substance on the jobsite, or off the jobsite in a manner that affects jobsite performance;
 - (3) Employees as part of a voluntary drug testing program; or
 - (4) Employees as part of or as a follow-up to counseling for or rehabilitation from abuse of a controlled substance;
 - (b) Establish a program that will test an employee utilized by the Bidders on this project in a safety-sensitive position when there is a reasonable suspicion that the employee is impaired by the effects of alcohol on the jobsite; for purposes of this provision, a safety-sensitive position is a position performed at the jobsite which, if performed by a person impaired by the effects of alcohol, would or could:
 - (1) Pose a serious risk of death or personal injury to the employee, fellow employees or other persons in the vicinity; or

- (2) Compromise the quality of construction in such manner as should impose a significant public safety risk in the use or operation of the City improvement in question.
 - (c) Publish a statement notifying employees that the unlawful manufacture, distribution, selling, dispensing, possession or use of controlled substance is prohibited on the jobsite and specifying the actions that will be taken against employees for violations of such prohibitions,
 - (d) Establish a drug-free awareness program to inform employees about the danger of drug abuse on the jobsite, about the Bidder's policy regarding a drug-free jobsite, about available counseling and rehabilitation programs, and about the penalties that may be imposed upon employees for drug abuse violations occurring on the jobsite; and
 - (e) Provide a copy of the statement required by subsection (c) to all employees of the Bidders who will be involved in performance of the Contract.
- II Employees who test positive for controlled substance use in one of the tests conducted pursuant to paragraph I.(a), or who are impaired by the effects of alcohol on the jobsite pursuant to paragraph I.(b), shall be considered unfit for purposes of Item 108.4 of the Standard Specifications for Public Works Construction, Fourth Edition, As Amended
- III For purposes of Section I. above, the term "controlled substance" means a drug substance or immediate precursor listed in Schedules I through V of Subchapter 2 or Penalty Groups 1 through 4 of Subchapter 4 of the Controlled Substances Act, Article 4476-15; Texas Revised Civil Statutes.
- IV The Bidder shall be solely responsible for the maintenance and administration of the program required in Section I above. Nothing in these provisions shall be construed on the Owner's part, as authorizing, permitting or requiring the Bidder to engage in conduct that is otherwise illegal or that otherwise constitutes an unreasonable or unlawful invasion of privacy under Texas or Federal law.