# Standard Utility Agreement
## Supplemental Agreement No. 1 to U Number N/A Utility ID U00029399

District: Dallas
ROW Project ID: R00002655
ROW CSJ: 0816-02-081
Construction CSJ: 0816-02-072
Proposed Highway Project Letting Date: 08/01/22

County: Denton
Highway: FM 455
From: FM 2450
To: Marion Road

**THIS SUPPLEMENTAL AGREEMENT** by and between the State of Texas ("**State**") and City of Sanger ("**Utility**") shall be effective upon the date of acceptance and execution by and on behalf of the **State**.

**WHEREAS**, the **State** and **Utility** executed a Standard Utility Agreement on August 27, 2021 concerning the adjustment, relocation, or removal of certain of the **Utility's** facilities;

**WHEREAS**, said Standard Utility Agreement limits the required scope of work and/or the amount of eligible reimbursement;

**WHEREAS**, due to newly discovered information by the **Utility** deemed sufficient by the **State**, the **State** and **Utility** agree that supplementation to the Standard Utility Agreement is necessary; and

**WHEREAS**, the statement of work contained in the Standard Utility Agreement shall be supplemented to include the reason the supplemental is needed and the change in cost: Many of the connections were not configured as documented within plans. The Utility used additional connections, gate valves, fire hydrants, and significant lengths of steel and pvc pipe. Additional boring and excavation was required to safly bore around other utility facilites found during construction , which is more specifically shown in **Utility's** plans, specifications, estimated costs, and schedule, which are attached to this supplemental agreement as Attachment "A."

**NOW, THEREFORE, BE IT AGREED:**

The statement of work contained in the Standard Utility Agreement is supplemented to include the additional adjustment, relocation, or removal found in Attachment "A."

The estimated cost of the adjustment, relocation, or removal is ☒ increased or ☐ decreased to a total of $3,237,007.60, or ☐ no change to the Total Cost Estimate. The parties agree that the approval of estimated costs in no way indicates the eligibility of said costs for reimbursement.

All conditions and agreements contained in the Standard Utility Agreement, except those specifically included in this document, remain in effect.

The signatories to this agreement warrant that each has the authority to enter into this agreement on behalf of the party represented.

**UTILITY**

Utility: City of Sanger

By: ________________________________________

Title: Mayor

Date: _____

**EXECUTION RECOMMENDED:**

________________________________________
Director of TP&D (or designee), Dallas District

**THE STATE OF TEXAS**

Executed and approved for the Texas Transportation Commission for the purpose and effect of activating and/or carrying out the orders, established policies or work programs heretofore approved and authorized by the Texas Transportation Commission.

By: ________________________________________
District Engineer (or designee)

Date:________________________________________

# Attachment "A"
# Plans, Specifications, and Estimated Costs

☐ Not Applicable

All material items within the cost estimate that must meet Buy America or Steel and Iron Preference Provision requirements must be indicated with an asterisk (*).

☐ Currently, **this project does not plan to use** iron and steel subject to Buy America requirements. In the event that Buy America regulated materials are used during the construction of this project, compliance documentation will be provided.

☐ There are non-domestic iron and steel materials in this project that fall under the De Minimis equation. Calculations showing the total cost does not exceed one-tenth of one percent (0.1 %) of the individual utility agreement amount or $2,500.00, whichever is greater is required.

☒ We understand the Buy America Compliance Requirements for iron and steel and will supply the required documentation to TxDOT indicating compliance with this provision. The following documents will be supplied prior to the installation of the materials:

1) Form 1818 - Material Statement
2) Material Test Reports or Certifications

# Attachment "A" (Continued)
# Plans, Specifications, and Estimated Costs

☒ Not Applicable

All construction material and manufactured items within the cost estimate that must meet Build America, Buy America (BABA) compliance must be indicated with a double asterisk ( ** ).

☐ This is to acknowledge that the material(s) listed/marked in the cost estimate will be in conformance with the governing specification(s) and that at least the final manufacturing processes and the immediately preceding manufacturing stage for the manufactured and construction material occurred in the United States of America. Alterations to this document by any agency other than the Utility Company/Supplier will void the certification.

Per 2 CFR 184.3, manufactured products means:

*(1) Articles, materials, or supplies that have been:*

*(i) Processed into a specific form and shape; or*

*(ii) Combined with other articles, materials, or supplies to create a product with different properties than the individual articles, materials, or supplies.*

*(2) If an item is classified as an iron or steel product, a construction material, or a section 70917(c) material under § 184.4(e) and the definitions set forth in this section, then it is not a manufactured product. However, an article, material, or supply classified as a manufactured product under § 184.4(e) and paragraph (1) of this definition may include components that are construction materials, iron or steel products, or section 70917(c) materials.*

Per 2 CFR 184.3 and 2 CFR 184.6, construction material includes:

- *Non-ferrous metals*
- *Glass (including optic glass)*
- *Optical fiber*
- *Lumber*
- *Engineered wood*
- *Drywall*
- *Fiber optic cable (including drop cable)*
- *Plastic and polymer-based products (including polyvinylchloride, composite building materials, and polymers used in fiber optic cables)*

**Authorized Utility Owner Representative:**

______________________________
*Signature*

______________________________
*Title*

City of Sanger Pipeline Relocation FM 455 Water
Probable and Actual Cost Comparison
U00029399 RCSJ: 0816-02-081 CCSJ: 0816-02-072

## Estimate Costs

| | | | |
|---|---|---|---|
| **Professional Service Cost** | | | |
| | | | |
| 1 | Engineering Preliminary & Final Design | $ | 367,688 |
| 2 | Geotechnical (ECS Southwest, LLP) | $ | 7,938 |
| 3 | SUE (The Rios Group) | $ | 12,954 |
| 4 | Survey and Esmt Prep. (Original Contract) | $ | 5,182 |
| 5 | Survey and GIS (Addendum 2) | $ | 13,000 |
| 6 | Survey and GIS (Addendum 3) | $ | 13,000 |
| 7 | Printing Costs | $ | 155 |
| 8 | Travel and Reimbursable Expenses | $ | 155 |
| 9 | Printing Costs (Addendum 1) | $ | 155 |
| 10 | Travel and Reimbursable Expenses (addendum 1) | $ | 155 |
| | **Total** | $ | **420,383** |
| | | | |
| | | | |
| **Reimbursement Summary Information** | | | |
| A | Total In Kind Professional Services | $ | 420,383.00 |
| B | Total In Kind Construction Cost | $ | 2,074,716.00 |
| C | Total In Kind Cost (A+B) | $ | 2,495,099.00 |
| D | Betterment Amount | $ | 117,856.00 |
| E | Total Cost with Betterment (C+D) | $ | 2,612,955.00 |
| F | Calculated Betterment Percentage (D/E) | | 0.045104489 |
| G | Eligibility Ratio (See Page 107) | | 0.22 |
| H | Eligible Cost (G*C) | $ | **548,921.78** |
| | Total Cost to City of Sanger (E-H) | $ | 2,064,033.22 |

## Actual Costs

| | | |
|---|---|---|
| | **Professional Service Cost** | |
| 1 | Engineering Preliminary & Final Design | $337,316.01 |
| 2 | Geotechnical (ECS Southwest, LLP) | $8,491.74 |
| 3 | SUE (The Rios Group) | $2,143.88 |
| 4 | Survey and Esmt Prep. (Original Contract) | $251.95 |
| 5 | Survey and GIS (Addendum 2) | |
| 6 | Survey and Gis (Addendum 3) | |
| 7 | Printing Costs (Addendum 1) | $332.59 |
| 8 | Travel and Reimbursable Expenses (addendum 1) | $332.59 |
| 9 | Printing Costs (Addendum 1) | $0.00 |
| 10 | Travel and Reimbursable Expenses (addendum 6) | $0.00 |
| | Inspection Fees (VRX, Inc.) | $154,127.39 |
| | Material Testing (Atlas Technical Consultants) | $30,234.00 |
| | **Total** | **$533,230.15** |
| | | |
| A | Total Professional Services | $533,230.15 |
| B | Total Construction Cost | $2,703,777.45 |
| C | Total Cost | $3,237,007.60 |
| D | Betterment Amount (4.5104% of C) | $146,001.99 |
| E | Total Cost Less Betterment | $3,091,005.61 |
| | | |
| G | Eligibility Ratio | 22% |
| H | TXDOT Reimbursement (E*G) | **$680,021.23** |
| | Total Cost to the City of Sanger (E-H) | $2,410,984.38 |

**City of Sanger Pipeline Relocation FM 455 Water**

**Probable and Actual Construction Cost Comparison**

**U00029399 RCSJ: 0816-02-081 CCSJ: 0816-02-072**

| PAY ITEM | QTY | UNIT | ITEM DESCRIPTION | UNIT PRICE | AMOUNT | BETTERMENT UNIT | BETTERMENT UNITY PRICE DIFFERENCE | BETTERMENT AMOUNT | PAY ITEM | QTY | UNIT | ITEM DESCRIPTION | UNIT PRICE | AMOUNT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | EA | Mobilization & Demobilization | $ 81,750.00 | $ 81,750 | | | | 1 | 1 | EA | Mobilization, Demobilization & Clean Up | $81,750.00 | $81,750.00 |
| 2 | 8427 | LF | Site Protection and Site Preparation | $ 2.50 | $ 21,068 | | | | 2 | 9067 | LF | Site Protect & Prep | $1.10 | $9,973.70 |
| 3 | 7 | MO | Erosion, Sedimentation Control and SW3P | $ 2,800.00 | $ 19,600 | | | | 3 | 9067 | LF | Erosion, Sediment Ctr1 & SW3P | $1.80 | $16,320.60 |
| 4 | 1 | EA | Traffic Control Plan | $ 3,270.00 | $ 3,270 | | | | 4 | 0.25 | EA | Traffic Control Plan | $1,150.00 | $287.50 |
| 5 | 7 | MO | Barricades, Signs and Traffic Control | $ 2,500.00 | $ 17,500 | | | | 5 | 9067 | LF | Barncades, Signs, Trfc Sftv, & Pvmt Mkas | $1.00 | $9,067.00 |
| 6 | 10 | EA | Exploratory Excavation of Existing Utilities | $ 1,750.00 | $ 17,500 | | | | 6 | 8 | EA | Exploratory Exca of Exist Utillties | $1,500.00 | $12,000.00 |
| 7 | 10033 | LF | Trench Safety Program | $ 3.50 | $ 35,116 | | | | 7 | 9067 | LF | Trench Safetv Plan | $0.50 | $4,533.50 |
| 8 | 16 | EA | Temporary Bypass Piping (various locations) | $ 1,250.00 | $ 20,000 | | | | 8 | 14 | EA | Temp Water or Wastewater Bypass Piping | $1,600.00 | $22,400.00 |
| 9 | 7240 | LF | 12" PVC Pipe (DR-18) by OC | $ 68.00 | $ 492,320 | | | | 9 | 7240 | LF | 12" PVC Water Pipe (DR 18) by Open Cut (OC) | $110.00 | $796,400.00 |
| 10 | 1307 | LF | 12" PVC Pipe (DR-18) Carrier Pipe | $ 95.00 | $ 124,165 | 4388 | $ 10 | $ 43,880 | 10 | 930 | LF | 12" PVC Water Carrier Pipe (DR 18) | $96.00 | $89,280.00 |
| 11 | 952 | LF | 18" Steel Encasement Pipe By OC | $ 175.00 | $ 166,600 | 792 | $ 8 | $ 6,336 | 11 | 898 | LF | 18" Steel Casing by Open Cut (OC)* | $132.00 | $118,536.00 |
| 12 | 397 | LF | 18" Steel Encasement Pipe By OTOC | $ 365.00 | $ 127,750 | 577 | $ 70 | $ 40,390 | 12 | 397 | LF | 18" Steel Casing by other than Open Cut (OTOC)* | $350.00 | $138,950.00 |
| 13 | 2175 | LF | 8" PVC Pipe (DR-18) by OC | $ 58.00 | $ 126,150 | 212 | $ 100 | $ 21,200 | 13 | 2010 | LF | 8" PVC Water Pipe (DR 18) by (Open Cut (OC) | $73.00 | $146,730.00 |
| 14 | 336 | LF | 8" PVC Pipe (DR-18) Carrier Pipe | $ 87.00 | $ 29,232 | | | | 14 | 336 | LF | 8" PVC Water Carrier Pipe (DR 18) | $58.00 | $19,488.00 |
| 15 | 254 | LF | 12" Steel Encasement Pipe by OC* | $ 105.00 | $ 26,670 | | | | 15 | 320 | LF | 14" Steel Casing Pipe by Open Cut (OC)* | $88.00 | $28,160.00 |
| 16 | 86 | LF | 12" Steel Encasement Pipe By OTOC* | $ 265.00 | $ 22,790 | | | | 16 | 130 | LF | 14" Steel Casing Pipe by other than Open Cut/OTOC* | $226.00 | $29,380.00 |
| 17 | 789 | LF | 2" PVC Pipe (DR-18) By OC | $ 40.00 | $ 31,560 | | | | 17 | 780 | LF | 2" PVC Water Pipe (Sch 80) by Open Cut (OC) | $44.00 | $34,320.00 |
| 18 | 18 | EA | 12" Resilient Seat Gate Valve* | $ 2,800.00 | $ 50,400 | 11 | $ 550 | $ 6,050 | 18 | 18 | EA | 12" Resilient Seat Gate Valve* | $3,045.00 | $54,810.00 |
| 19 | 10 | EA | 8" Resilient Seat Gate Valve* | $ 2,250.00 | $ 22,500 | | | | 19 | 10 | EA | 8" Resilient Seat Gate Valve* | $1,860.00 | $18,600.00 |
| 20 | 18 | EA | 6" Resilient Seat Gate Valve* | $ 1,700.00 | $ 30,600 | | | | 20 | 15 | EA | 6" Resilient Seat Gate Valve* | $1,415.00 | $21,225.00 |
| 21 | 1 | EA | 2" Resilient Seat Gate Valve* | $ 1,200.00 | $ 1,200 | | | | | | | | | $0.00 |
| 22 | 14 | TON | Ductile Iron Fittings and Relate Appurtences * | $ 12,000.00 | $ 168,000 | | | | 21 | 5 | TON | Various DI Fittinas, Valves & Related Appurtences | $21,778.00 | $108,890.00 |
| 23 | 15 | EA | Fire Hydrants with Valves and Appurtences * | $ 7,500.00 | $ 112,500 | | | | 22 | 15 | EA | Fire Hydrants Assembly & Related Appurtences* | $4,500.00 | $67,500.00 |
| 24 | 3 | EA | Flush valve / Air Vacuum Release Valve Asser | $ 3,800.00 | $ 11,400 | | | | 23 | 1 | EA | 2" Flush Valve Assembly* | $9,400.00 | $9,400.00 |
| 25 | 18 | EA | Connect to Existing Water | $ 1,950.00 | $ 35,100 | | | | 24 | 19 | EA | Water Service Reconnection | $1,515.00 | $28,785.00 |
| 26 | 14 | EA | Water Meter Box Relocation | $ 650.00 | $ 9,100 | | | | 25 | 14 | EA | Water Meter Box Relocation | $268.00 | $3,752.00 |
| 27 | 5 | EA | Water Meter Box Housing | $ 550.00 | $ 2,750 | | | | 26 | 4 | EA | New Water Meter Box | $600.00 | $2,400.00 |
| | | | | | | | | | 27 | 200 | LF | Water Service Line Extension | $15.00 | $3,000.00 |
| 28 | 6407 | LF | Remove Various Size Water Pipeline | $ 24.00 | $ 153,768 | | | | 28 | 6407 | LF | Sanger Contractor to Rmv Wtr Pipelines | $20.00 | $128,140.00 |
| | | | | | | | | | | | | | | |
| 29 | 86 | SY | Asphalt Pavement Repair | $ 125.00 | $ 10,750 | | | | 50 | 86 | SY | Asphalt Pvmt Repair | $41.00 | $3,526.00 |
| 30 | 72 | SY | Concrete Pavement Repair * | $ 125.00 | $ 9,000 | | | | 51 | 125 | SY | Conc Sdwlk Rel & Pvmt Repalr* | $87.00 | $10,875.00 |
| 31 | 85 | LF | Curb and Gutter Replacement or Repair* | $ 35.00 | $ 2,975 | | | | 52 | 10 | LF | Curb & Gutter Repl or Repair* | $114.00 | $1,140.00 |
| 32 | 20 | LF | Remove and Replace Fence * | $ 42.00 | $ 840 | | | | 53 | 62 | LF | Repair or Replace Fence* | $23.00 | $1,426.00 |
| 33 | 2410 | SY | Seeding, Hydromulch | $ 1.50 | $ 3,615 | | | | 54 | 2410 | SY | Seeding, Hydromulch | $1.00 | $2,410.00 |
| 34 | 372 | SY | Top Soil and Placement | $ 20.00 | $ 7,440 | | | | 55 | 0 | CY | Topsoil & Placement | $63.00 | $0.00 |
| 35 | 351 | EA | Thrust Blocking or Retrained Joint* | $ 125.00 | $ 43,875 | | | | 57 | 109 | EA | Thrust Blocking and/or Restrainted Joint | $147.00 | $16,023.00 |
| | | | | | | | | | 58 | 16 | EA | Cut, Plug& Abandon Exist Wtr/Swr Pioelines | $965.00 | $15,440.00 |
| 36 | 2 | EA | Clay Dam | $ 850.00 | $ 1,700 | | | | 59 | 6 | EA | Clay Dam, CIP | $456.00 | $2,736.00 |
| 37 | 219 | LF | Geotextile Fabric Liner for trench (8' wide) | $ 12.50 | $ 2,738 | | | | 60 | 284 | LF | Geotextile Fabric Liner for Trench (8' wide) | $5.00 | $1,420.00 |
| 38 | 90 | LF | Concrete Encasement/ Class C Embedment | $ 45.00 | $ 4,050 | | | | | | | | | $0.00 |
| 39 | 245 | LF | Concrete Encasement / Class G Embedment | $ 45.00 | $ 11,025 | | | | 61 | 140 | LF | Concrete Encase/Class G Embed | $44.00 | $6,160.00 |
| 40 | 1 | EA | Material Testing and Miscellaneous Testing as | $ 16,350.00 | $ 16,350 | | | | 62 | 1 | EA | Material Testing & Misc. | $15,000.00 | $15,000.00 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Total | $ 2,074,716 | | | $ 117,856 | | | | | **Subtotal** | **$2,080,234.30** |
| | | | | | | | | **Change Order 1** | | |
| | | | | | Attachment B | 55 | LF | 18" Steel Casing by other than Open Cut (OTOC)* | $350.00 | $19,250.00 |
| | | | | | | | | **Change Order 4** | | |
| | | | | | Attachment B | 1 | EA | N Tejas Dr Reconfiguration | $7,760.67 | $7,760.67 |
| | | | | | Attachment B | 186 | LF | Trench Safety Plan | $0.50 | $93.00 |
| | | | | | Attachment B | 186 | LF | 12" PVC Water Pipe (DR 18) by Open Cut (OC) | $110.00 | $20,460.00 |
| | | | | | Attachment B | 1 | EA | 12" Resilient Seat Gate Valve* | $3,045.00 | $3,045.00 |
| | | | | | Attachment B | 0.36 | TON | Various DI Fittings, Valves & Related Appurt | $21,778.00 | $7,840.08 |
| | | | | | Attachment B | 1.1 | CY | Thrust Blocking and/or Restrainted Joint* | $147.00 | $161.70 |
| | | | | | Attachment B | 14 | LF | 18" Steel Casing by other than Open Cut (OTOC)* | $350.00 | $4,900.00 |
| | | | | | Attachment B | | | **Change Order 5** | | |
| | | | | | Attachment B | 10 | EA | Flowable Fill at utility poles | $1,250.00 | $12,500.00 |
| | | | | | Attachment B | 70 | LF | 6" PVC Waterline | $74.00 | $5,180.00 |
| | | | | | Attachment B | 120 | LF | 6" Steel Casing* | $78.00 | $9,360.00 |
| | | | | | Attachment B | | | **Change Order 7** | | |
| | | | | | Attachment B | 1 | EA | Connection 12 x 8 | $11,600.00 | $11,600.00 |
| | | | | | Attachment B | | | **Change Order 8** | | |
| | | | | | Attachment B | 4 | EA | 8" Valve Insertion | $11,825.00 | $47,300.00 |
| | | | | | Attachment B | 1 | EA | Lower Water Line at QT | $13,360.00 | $13,360.00 |
| | | | | | Attachment B | 1 | EA | 12 X 6 tie in with gate valve | $12,800.00 | $12,800.00 |
| | | | | | | | | **Change Order 9** | | |
| | | | | | Attachment B | 13 | EA | Exploratory Exca of Exist Utilities | $1,500.00 | $19,500.00 |
| | | | | | Attachment B | 128 | LF | 8" PVC Water Pipe (DR 18) by Open Cut (OC) | $73.00 | $9,344.00 |
| | | | | | Attachment B | 120 | LF | 14" Steel Casing Pipe by other than Open Cut (OTOC)* | $226.00 | $27,120.00 |
| | | | | | Attachment B | 32 | LF | 2" PVC Water Pipe (Sch 80) by Open Cut (OC) | $44.00 | $1,408.00 |
| | | | | | Attachment B | 2 | EA | 12" Resilient Seat Gate Valve* | $3,045.00 | $6,090.00 |
| | | | | | Attachment B | 4.65 | TON | Various DI Fittings, Valves & Related Appurt | $21,778.00 | $101,267.70 |
| | | | | | Attachment B | 2 | EA | Fire Hydrants Assembly & Related Appurt* | $4,500.00 | $9,000.00 |
| | | | | | Attachment B | 1 | EA | 2" Flush Valve Assembly* | $9,400.00 | $9,400.00 |
| | | | | | Attachment B | 4 | EA | Water Service Reconnection | $1,515.00 | $6,060.00 |
| | | | | | Attachment B | 4 | EA | 8" Valve Insertion | $11,825.00 | $47,300.00 |
| | | | | | Attachment B | 275 | LF | Conc Encase/Class G Embed | $44.00 | $12,100.00 |
| | | | | | Attachment B | -75 | LF | 18" Steel Casing by Open Cut (OC)* | $132.00 | -$9,900.00 |
| | | | | | Attachment B | 11 | EA | 2" Gate Valves* | $820.00 | $9,020.00 |
| | | | | | Attachment B | 80 | LF | Cut & Reweld shortened 12" casing sections | $17.00 | $1,360.00 |
| | | | | | Attachment B | 64 | LF | Cut & Reweld shortened 18" casing sections | $21.00 | $1,344.00 |
| | | | | | | | | **Change Order 10** | | |
| | | | | | Attachment B | 1 | LS | 5th Street Water repair | $3,500.00 | $3,500.00 |
| | | | | | Attachment B | 1 | EA | 12" Casing QT & 3rd Street* | $14,850.00 | $14,850.00 |
| | | | | | Attachment B | 1 | LS | Boring addition TXDOT | $93,448.00 | $93,448.00 |
| | | | | | Attachment B | 1 | LS | 5TH Street Leak | $35,288.00 | $35,288.00 |
| | | | | | Attachment B | 1 | EA | QT Back charge | $7,200.00 | $7,200.00 |
| | | | | | Attachment B | 1 | LS | Rail Cost | $24,600.00 | $24,600.00 |
| | | | | | Attachment B | 40 | LF | RR bore extention | $350.00 | $14,000.00 |
| | | | | | Attachment B | 1 | EA | Service Bore 2" | $4,633.00 | $4,633.00 |
| | | | | | | | | | **Construction Total** | **$2,703,777.45** |

**Note(*) - "Buy American" compliance documentation will be required for these items in accordance with TxDOT/ FHWA guidance letter dated May 26, 2021.**

# Attachment "B"
# Accounting Method

☒ Not Applicable

☐ **Actual Cost Method of Accounting**

The Utility accumulates cost under a work order accounting procedure prescribed by the Federal or State regulatory body and proposes to request reimbursement for actual direct and related indirect costs.

☐ **Lump Sum Method of Accounting**

The Utility proposed to request reimbursement based on an agreed lump sum amount supported by a detailed cost analysis.

# Attachment "C"
# Schedule of Work

☐ Not Applicable

Estimated Start Date (mm/dd/yyyy): 09/01/2021, subject to physical work restrictions prior to the issuance of environmental clearance as required by the provisions of this agreement. (If construction will be joint bid and included in the highway contract, enter the project let date.)

Estimated Duration (number of days): 525

Estimated Completion Date (mm/dd/yyyy): 04/29/2023

# Attachment "D"
# Statement Covering Contract Work

☒ Not Applicable

**Construction Contract:** Complete form ROW-U-48 and ROW-U-48-1 if applicable.

☐ The Utility will use its own personnel (supporting documentation will be required at the time of billing, See ROW Utilities Manual, Chapter 11).

☐ The Utility will use third party contractors to perform the adjustment and complete the attached ROW-U-48 with ROW-U-48-1 (joint bid), if appropriate. (verification of continuing contract rate sheets or copy of bid tabulation will be required at the time of billing)

**Engineering Contract:**

☐ The Utility will use its own personnel (supporting documentation will be required at the time of billing, See ROW Utilities Manual, Chapter 11).

☐ The Utility will use a consultant contract (verification of fee schedule is required).

☐ TxDOT will procure a utility engineering consultant.

| | | | |
|---|---|---|---|
| ______ Initial | ________ Date | ______ Initial | ________ Date |
| TxDOT | | Utility | |

# Attachment "E"
# Utility Joint Use Agreement – (ROW-U-JUA) and/or RULIS Permit

☒ Not Applicable

☐ Utility Joint Use Agreement (ROW–U–JUA)
☐ Plans with joint use area highlighted are included.

☐ RULIS Permit Number:
The utility should obtain an approved permit before the start of construction inside of the highway right of way.

☐ Quitclaim will be submitted at the Final Billing

| | | | |
|---|---|---|---|
| ______ Initial | ________ Date | ______ Initial | ________ Date |
| TxDOT | | Utility | |

# Attachment “F”
# Eligibility Ratio

☒ Not Applicable

Eligibility Ratio established: _____ %

☐ Non-interstate Highway (Calculations attached)

☐ Interstate Highway

☐ Toll Road (Minimum of 50%)

☐ SP2125 Approved Application (100%)
Minute Order #: _____

☐ Master Utility Agreement

| | | | |
|---|---|---|---|
| Initial | Date | Initial | Date |
| TxDOT | | Utility | |

# Attachment "G"
# Betterment Calculation and Estimate

☐ Not Applicable

☒ Elective Betterment Ratio established: 4.5104 %
☒ Calculation is attached and the justification is included below
☒ A betterment and an in-kind estimate are included

☐ Forced Betterment
☐ To comply with regulated industry standards, laws, and regulations. (Supporting documentation required)
☐ To comply with published current design practice followed by the utility in its own work. (Supporting documentation required)
☐ Due to proposed roadway design. (Provide explanation below)

☐ Not Applicable

A statement explaining Elective and/or Forced Betterment:

Betterment required by current design practices regularly followed by the City of Sanger in its own work

## City of Sanger

**U00020399 RCSJ 0816-02-081 / CCSJ 0816-02-072**

Water Pipeline Relocation
TxDOT FM 455 Highway Improvement
TxDOT Reimbursement by Waterline

| Waterline | Size | Total Cost | Betterment Cost |
|---|---|---|---|
| Waterline A | 12 | $ 175,523 | $ 16,788 |
| WaterLine B | 12 | $ 29,500 | $ - |
| Waterline C | 12 | $ 472,362 | $ 35,555 |
| Waterline C-1 | 12 | $ 25,812 | $ - |
| Waterline C-2 | 8 | $ 258,848 | $ - |
| Waterline C-3 | 2 | $ 21,040 | $ - |
| Waterline C-4 | 2 | $ 38,501 | $ - |
| Waterline C-5 | 2 | $ 26,029 | $ - |
| WaterLine D | 12 | $ 171,466 | $ 16,400 |
| WaterLine E | 12 | $ 379,438 | $ 36,292 |
| WaterLine E-1 | 8 | $ 29,093 | $ - |
| WaterLine F | 12 | $ 186,585 | $ - |
| Waterline Crossing AA | 12 | $ 26,918 | $ 2,575 |
| Waterline Crossing BB | 12 | $ 24,890 | $ 2,381 |
| Waterline Crossing CC | 12 | $ 19,543 | $ - |
| Waterline Crossing EE | 8 | $ 27,992 | $ - |
| Waterline Crossing FF | 8 | $ 18,557 | $ - |
| Waterline Crossing GG | 8 | $ 35,226 | $ - |
| Waterline Crossing HH | 8 | $ 25,161 | $ - |
| Waterline Crossing II | 12 | $ 20,650 | $ 1,975 |
| Waterline Crossing JJ | 12 | $ 27,656 | $ 2,645 |
| Waterline Crossing KK | 12 | $ 24,153 | $ 2,310 |
| Waterline Crossing LL | 12 | $ 9,772 | $ 935 |
| | | | |
| | | **$ 2,074,716** | **$ 117,856** |

Calculation: (Total cost of elective betterment/Total cost with betterment) * 100 = Betterment Percentage

($117,856 / $2,612,955) * 100 = 4.5104%

# Attachment “H”
# Proof of Property Interest

☒ Not Applicable

☐ Supporting documentation of compensable property interest that establishes reimbursement eligibility as referenced in Texas Transportation Code §203.092.

☐ Property interest is documented through applicable affidavits and required attachments.

☐ ROW-U-Affidavit (See ROW Utilities Manual, Chapter 9, Section 3)

☐ The roadway improvement project is designated as an Interstate Highway project; therefore, no supporting documentation for compensable interest is required. Supporting documentation for existing easements is required for easement replacement.

☐ Toll Road (Supporting documentation of compensable property interest required if more than 50% eligibility ratio is applied)

☐ SP2125

☐ Master Utility Agreement