

**SANITARY SEWER MAIN, LATERAL AND MANHOLE REHABILITATION****PRELIMINARY OPINION OF PROBABLE COST**

City of Foley, Alabama  
May 2015

CDBG funds to be used for items in **BOLD**

| ITEM NO.                                                                         | EST. QUANTITY | UNIT                      | DESCRIPTION                                                        | UNIT PRICE            | TOTAL PRICE          |
|----------------------------------------------------------------------------------|---------------|---------------------------|--------------------------------------------------------------------|-----------------------|----------------------|
| <b>MISCELLANEOUS</b>                                                             |               |                           |                                                                    |                       |                      |
| 1                                                                                | 1             | LS                        | Mobilization/Demobilization (Not to Exceed 3%)                     | \$ 25,000.00          | \$ 25,000.00         |
| 2                                                                                | 1             | LS                        | Traffic Control                                                    | \$ 8,000.00           | \$ 8,000.00          |
| 3                                                                                | 1             | LS                        | Geotechnical Testing Allowance                                     | \$ 10,000.00          | \$ 10,000.00         |
| <b>EXIST. SERVICE LATERAL REPLACEMENT - OPEN-CUT CONSTRUCTION</b>                |               |                           |                                                                    |                       |                      |
| 4                                                                                | 2,000         | CYIP                      | Sand or Sand-Clay Backfill                                         | \$ 12.00              | \$ 24,000.00         |
| 5                                                                                | 100           | LF                        | Silt Fence                                                         | \$ 5.00               | \$ 500.00            |
| 6                                                                                | 20            | EA                        | Hay Bales                                                          | \$ 10.00              | \$ 200.00            |
| 7                                                                                | 250           | SY                        | Final Grassing for Erosion Control                                 | \$ 4.00               | \$ 1,000.00          |
| 8                                                                                | 250           | SY                        | Mulching                                                           | \$ 4.00               | \$ 1,000.00          |
| 9                                                                                | 50            | SY                        | Solid Sod                                                          | \$ 7.00               | \$ 350.00            |
| 10                                                                               | 20            | LF                        | Removing and Resetting Existing Fencing                            | \$ 30.00              | \$ 600.00            |
| 11                                                                               | 600           | SY                        | Removing and Preparing Crushed Stone Base for Flexible Pavement    | \$ 27.00              | \$ 16,200.00         |
| 12                                                                               | 650           | SY                        | Bituminous Wearing Surface for Patch Surfacing                     | \$ 36.00              | \$ 23,400.00         |
| 13                                                                               | 100           | SY                        | Removing and Replacing Concrete Driveways, Sidewalk, Ditches, Etc. | \$ 60.00              | \$ 6,000.00          |
| 14                                                                               | 10            | LF                        | Removing and Replacing Concrete Curb & Gutter                      | \$ 30.00              | \$ 300.00            |
| 15                                                                               | 120           | EA                        | New Service Lateral Reconnection to CIPP-Lined Main                | \$ 400.00             | \$ 48,000.00         |
| 16                                                                               | 1             | EA                        | New Service Lateral Reconnection to Manhole                        | \$ 1,100.00           | \$ 1,100.00          |
| 17                                                                               | 2,000         | LF                        | 4" PVC SS Service Lateral Pipe and Fittings                        | \$ 18.00              | \$ 36,000.00         |
| 18                                                                               | 10            | LF                        | 6" PVC SS Service Lateral Pipe and Fittings                        | \$ 50.00              | \$ 500.00            |
| 19                                                                               | 157           | EA                        | 4" PVC Cleanout                                                    | \$ 300.00             | \$ 47,100.00         |
| 20                                                                               | 1             | EA                        | 6" PVC Cleanout                                                    | \$ 400.00             | \$ 400.00            |
| <b>EXIST. SERVICE LATERAL REHABILITATION - CURED-IN-PLACE PIPE (CIPP) LINING</b> |               |                           |                                                                    |                       |                      |
| 21                                                                               | 37            | EA                        | <b>CIPP Rehabilitation at the Lateral to Main Connection</b>       | <b>\$ 2,500.00</b>    | <b>\$ 92,500.00</b>  |
| 22                                                                               | 1,300         | LF                        | <b>CIPP Lateral Rehabilitation from Main to Cleanout</b>           | <b>\$ 38.00</b>       | <b>\$ 49,400.00</b>  |
| <b>EXIST. SS MAIN REHABILITATION - CURED-IN-PLACE PIPE (CIPP) LINING</b>         |               |                           |                                                                    |                       |                      |
| 23                                                                               | 20            | HR                        | Bypass Pumping (Main Diameter 8" Through 12")                      | \$ 50.00              | \$ 1,000.00          |
| 24                                                                               | 120           | HR                        | Bypass Pumping (Main Diameter 15" Through 21")                     | \$ 200.00             | \$ 24,000.00         |
| 25                                                                               | 22,920        | LF                        | Television Inspection                                              | \$ 1.00               | \$ 22,920.00         |
| 26                                                                               | 15,180        | LF                        | <b>8" CIPP (Felt) Mainline Rehabilitation (6.0 mm)</b>             | <b>\$ 20.00</b>       | <b>\$ 303,600.00</b> |
| 27                                                                               | 530           | LF                        | <b>10" CIPP (Felt) Mainline Rehabilitation (6.0 mm)</b>            | <b>\$ 22.00</b>       | <b>\$ 11,660.00</b>  |
| 28                                                                               | 1,890         | LF                        | <b>12" CIPP (Felt) Mainline Rehabilitation (7.5 mm)</b>            | <b>\$ 24.00</b>       | <b>\$ 45,360.00</b>  |
| 29                                                                               | 5,120         | LF                        | <b>15" CIPP (Felt) Mainline Rehabilitation (7.5 mm)</b>            | <b>\$ 35.00</b>       | <b>\$ 179,200.00</b> |
| 30                                                                               | 200           | LF                        | <b>21" CIPP (Felt) Mainline Rehabilitation (10.5 mm)</b>           | <b>\$ 55.00</b>       | <b>\$ 11,000.00</b>  |
| 31                                                                               | 17,600        | LF                        | Sanitary Sewer Mainline Cleaning (8" through 12")                  | \$ 1.25               | \$ 22,000.00         |
| 32                                                                               | 5,320         | LF                        | Sanitary Sewer Mainline Cleaning (15" and Larger)                  | \$ 3.00               | \$ 15,960.00         |
| 33                                                                               | 16            | EA                        | Remove Protruding Service                                          | \$ 130.00             | \$ 2,080.00          |
| 34                                                                               | 210           | EA                        | Service Reinstatement                                              | \$ 100.00             | \$ 21,000.00         |
| 35                                                                               | 15            | EA                        | Dye Testing to Locate Active Service Connection                    | \$ 50.00              | \$ 750.00            |
| <b>EXIST. SS MANHOLE REHABILITATION - CEMENTITIOUS LINING</b>                    |               |                           |                                                                    |                       |                      |
| 36                                                                               | 270           | VF                        | <b>48" Dia. Sanitary Sewer Manhole Rehabilitation</b>              | <b>\$ 125.00</b>      | <b>\$ 33,750.00</b>  |
| 37                                                                               | 5             | CF                        | Concrete for Rebuilding Manhole Bench & Invert                     | \$ 150.00             | \$ 750.00            |
| <b>CONSTRUCTION ESTIMATE TOTAL</b>                                               |               |                           |                                                                    |                       | <b>\$1,086,580</b>   |
| <b>SOURCE OF FUNDS</b>                                                           |               |                           |                                                                    | <b>Administration</b> | <b>\$50,000</b>      |
| <b>\$ 450,000.00</b>                                                             | <b>40%</b>    | <b>FROM CDBG</b>          | <b>Total Project Cost</b>                                          |                       |                      |
| <b>\$ 686,580.00</b>                                                             | <b>60%</b>    | <b>FROM CITY OF FOLEY</b> | <b>\$1,136,580</b>                                                 |                       |                      |
| <b>\$ 1,136,580.00</b>                                                           | <b>100%</b>   | <b>TOTAL FUNDING</b>      |                                                                    |                       |                      |

Prepared by the Utilities Board of the City of Foley, Alabama (d.b.a. Riviera Utilities)

|                                        |               |
|----------------------------------------|---------------|
| NET CONSTRUCTION +<br>CONTINGENCY COST | TABLE II      |
| \$ 1,000,000.00                        | 7.40%         |
| \$ 2,000,000.00                        | 7.20%         |
| SLOPE                                  | (0.000000002) |

TOTAL COST ESTIMATE  
\$ - **7.60%** INTERPOLATED FROM TABLE II TO NEAREST ONE HL

|                                        |               |
|----------------------------------------|---------------|
| NET CONSTRUCTION +<br>CONTINGENCY COST | TABLE II      |
| \$ 200,000.00                          | 10.20%        |
| \$ 300,000.00                          | 9.40%         |
| SLOPE                                  | (0.000000080) |

TOTAL COST ESTIMATE  
\$ 267,900.00 **9.66%** INTERPOLATED FROM TABLE II TO NEAREST ONE HL

|               |             |              |              |
|---------------|-------------|--------------|--------------|
| \$ 267,900.00 | SUBTOTAL    | \$ 25,870.57 | <b>9.56%</b> |
| \$ 42,100.00  | SUBTOTAL    |              |              |
| \$ 310,000.00 | TOTAL CONST | \$ 25,870.57 |              |
| \$ 25,600.00  | ENG         | 0.095558044  |              |
| \$ 15,200.00  | MGMT / INSP | \$ 40,800.00 |              |
| \$ 2,200.00   | CONST STAKE | 0.152295633  |              |
| \$ 32,000.00  | GRANT ADMIN |              |              |
| \$ 385,000.00 | TOTAL       |              |              |

INDRETH OF ONE PERCENT

INDRETH OF ONE PERCENT

**SANITARY SEWER SYSTEM MAIN, LATERAL AND MANHOLE  
REHABILITATION AND REPAIRS IN THE AARONVILLE COMMUNITY**

**PRELIMINARY OPINION OF PROBABLE COST**

The City of Foley, Alabama  
April 2012

Prepared by the Utilities Board of the City of Foley, Alabama (d.b.a. Riviera Utilities)

| ITEM<br>NO.                                                        | EST.<br>QUANTITY | UNIT | DESCRIPTION                                         | UNIT PRICE   | TOTAL PRICE            |
|--------------------------------------------------------------------|------------------|------|-----------------------------------------------------|--------------|------------------------|
| 1                                                                  | 1                | LS   | MOBILIZATION                                        | \$ 5,000.00  | \$ 5,000.00            |
| 2                                                                  | 1                | LS   | TRAFFIC CONTROL                                     | \$ 5,000.00  | \$ 5,000.00            |
| <b>MAIN REHABILITATION - CURED-IN-PLACE PIPE (CIPP)</b>            |                  |      |                                                     |              |                        |
| 3                                                                  | 1                | LS   | BYPASS PUMPING                                      | \$ 10,000.00 | \$ 10,000.00           |
| 4                                                                  | 20,200           | LF   | 8" SS MAIN ROOT REMOVAL / CLEANING                  | \$ 1.50      | \$ 30,300.00           |
| 5                                                                  | 20,200           | LF   | 8" SS MAIN INTERNAL VIDEO INSPECTION                | \$ 1.00      | \$ 20,200.00           |
| 6                                                                  | 20,200           | LF   | 8" CIPP SS MAIN REHABILITATION - CDBG FUNDED        | \$ 27.00     | \$ 545,400.00          |
| 7                                                                  | 22               | EA   | REMOTE TRIMMING OF PROTRUDING SERVICE LATERAL       | \$ 250.00    | \$ 5,500.00            |
| 8                                                                  | 190              | EA   | REMOTE SERVICE LATERAL REINSTATEMENT                | \$ 150.00    | \$ 28,500.00           |
| <b>SERVICE LATERAL REHABILITATION - CURED-IN-PLACE PIPE (CIPP)</b> |                  |      |                                                     |              |                        |
| 9                                                                  | 19               | EA   | LATERAL INTERNAL VIDEO INSPECTION                   | \$ 250.00    | \$ 4,750.00            |
| 10                                                                 | 19               | EA   | CIPP LATERAL CONNECTION REHABILITATION (UP TO 5 LF) | \$ 2,250.00  | \$ 42,750.00           |
| 11                                                                 | 100              | LF   | CIPP LATERAL REHABILITATION (5 LF < LENGTH < 30 LF) | \$ 75.00     | \$ 7,500.00            |
| 12                                                                 | 19               | EA   | 4" PVC CLEANOUT ASSEMBLY                            | \$ 300.00    | \$ 5,700.00            |
| <b>MANHOLE REHABILITATION &amp; REPAIR</b>                         |                  |      |                                                     |              |                        |
| 14                                                                 | 300              | VF   | 48" SS MANHOLE REHABILITATION (CEMENTITIOUS)        | \$ 130.00    | \$ 39,000.00           |
| 15                                                                 | 20               | EA   | 48" SS MANHOLE LEAK REPAIR (PER MANHOLE)            | \$ 200.00    | \$ 4,000.00            |
| 16                                                                 | 100              | CF   | CONCRETE FOR MANHOLE BENCHES & INVERTS              | \$ 20.00     | \$ 2,000.00            |
| <b>OPEN-CUT REPLACEMENT &amp; MISCELLANEOUS</b>                    |                  |      |                                                     |              |                        |
| 17                                                                 | 140              | EA   | SERVICE LATERAL CONNECTION TO CIPP-LINED MAIN       | \$ 700.00    | \$ 98,000.00           |
| 18                                                                 | 3,000            | LF   | 4" PVC SERVICE LATERAL PIPE & FITTINGS              | \$ 25.00     | \$ 75,000.00           |
| 19                                                                 | 40               | LF   | 6" PVC SERVICE LATERAL PIPE & FITTINGS              | \$ 30.00     | \$ 1,200.00            |
| 20                                                                 | 60               | LF   | 8" PVC SS PIPE & FITTINGS                           | \$ 40.00     | \$ 2,400.00            |
| 21                                                                 | 3                | EA   | DOGHOUSE SS MANHOLE (DEPTH < 6')                    | \$ 2,500.00  | \$ 7,500.00            |
| 22                                                                 | 3,000            | LF   | CRUSHED STONE FOUNDATION                            | \$ 6.00      | \$ 18,000.00           |
| 23                                                                 | 2,500            | CYIP | SELECT BACKFILL                                     | \$ 9.00      | \$ 22,500.00           |
| 24                                                                 | 600              | SY   | REMOVE & REPLACE ASPHALT ROADWAY                    | \$ 30.00     | \$ 18,000.00           |
| 25                                                                 | 100              | SY   | REMOVE & REPLACE CONCRETE SIDEWALK / DRIVEWAY       | \$ 45.00     | \$ 4,500.00            |
| 26                                                                 | 20               | LF   | REMOVE & REPLACE CONCRETE CURB AND GUTTER           | \$ 25.00     | \$ 500.00              |
| 27                                                                 | 1                | LS   | GEOTECHNICAL TESTING ALLOWANCE                      | \$ 5,000.00  | \$ 5,000.00            |
| 28                                                                 | 50               | LF   | SILT FENCE FOR EROSION CONTROL                      | \$ 6.00      | \$ 300.00              |
| 29                                                                 | 20               | EA   | HAY BALES FOR EROSION CONTROL                       | \$ 10.00     | \$ 200.00              |
| 30                                                                 | 500              | SY   | MULCHING AND GRASSING FOR EROSION CONTROL           | \$ 3.00      | \$ 1,500.00            |
| 31                                                                 | 100              | SY   | SOLID SOD                                           | \$ 5.00      | \$ 500.00              |
| <b>CONSTRUCTION TOTAL</b>                                          |                  |      |                                                     |              | <b>\$ 1,010,700.00</b> |

**SOURCE OF FUNDS**

|                        |             |                      |
|------------------------|-------------|----------------------|
| \$ 450,000.00          | 42%         | FROM CDBG            |
| \$ 610,700.00          | 58%         | FROM CITY OF FOLEY   |
| <b>\$ 1,060,700.00</b> | <b>100%</b> | <b>TOTAL FUNDING</b> |

|                           |                        |
|---------------------------|------------------------|
| <b>CONSTRUCTION TOTAL</b> | <b>\$ 1,010,700.00</b> |
| <b>ADMINISTRATION</b>     | <b>\$ 50,000.00</b>    |
| <b>TOTAL PROJECT</b>      | <b>\$ 1,060,700.00</b> |

|         |      |        |                                                                       |
|---------|------|--------|-----------------------------------------------------------------------|
| M-1     | LS   | 1      | Mobilization/Demobilization (Not to Exceed 3%)                        |
| BF-1    | CYIP | 2910   | Sand or Sand-Clay Backfill                                            |
| EC-1    | LF   | 100    | Silt Fence                                                            |
| EC-2    | EA   | 20     | Hay Bales                                                             |
| EC-3    | SY   | 500    | Final Grassing for Erosion Control                                    |
| EC-4    | SY   | 500    | Mulching                                                              |
| EC-5    | SY   | 100    | Solid Sod                                                             |
| GC-1    | LF   | 50     | Crushed Stone Foundation (8" Lifts)                                   |
| GC-2    | LF   | 20     | Remove and Reset Fencing                                              |
| PA-1    | SY   | 780    | Removing & Preparing Base for Flexible Pavement (Crushed Stone Base ) |
| PA-2    | SY   | 780    | Bituminous Wearing Surface for Patch Surfacing                        |
| PA-3    | SY   | 100    | Removing & Replacing Concrete Driveways, Sidewalks or Ditch Paving    |
| PA-4    | LF   | 350    | Removing & Replacing Concrete Curb & Gutter                           |
| TC-1    | LS   | 1      | Traffic Control                                                       |
| SS-1A   | EA   | 140    | Service Lateral Reconnection to CIPP-Lined Main                       |
| SS-1B   | EA   | 1      | Service Lateral Reconnection to Manhole (PVC SDR 35)                  |
| SS-2A-1 | LF   | 4850   | 4" PVC S.S. Pipe & Fittings SDR 35                                    |
| SS-2A-2 | LF   | 20     | 6" PVC S.S. Pipe & Fittings SDR 35                                    |
| SS-2A-3 | LF   | 40     | 8" PVC S.S. Pipe & Fittings SDR 35                                    |
| SS-3    | EA   | 4      | 48" S.S. New Manhole                                                  |
| SS-4    | LF   | 19,600 | Television Inspection                                                 |
| SS-5A   | LF   | 400    | 6" CIPP (felt) Mainline Rehabilitation (6.0 MM )                      |
| SS-5B   | LF   | 19,200 | 8" CIPP (felt) Mainline Rehabilitation (6.0 MM )                      |
| SS-6    | LF   | 19,600 | Sanitary Sewer Mainline Cleaning                                      |
| SS-7A   | EA   | 22     | Remove Protruding Service                                             |
| SS-8    | EA   | 194    | Service Reinstatement                                                 |
| SS-9    | EA   | 40     | Dye Testing to Locate Active Service Connection                       |
| SS-10A  | VF   | 500    | 48" Dia. Sanitary Sewer Manhole Rehabilitation (Cementitious)         |
| SS-10B  | EA   | 24     | 48" Dia. Sanitary Sewer Manhole I/I Elimination                       |
| SS-11   | CF   | 200    | Concrete for Rebuilding Manhole Bench & Invert                        |
| SS-12   | EA   | 17     | CIPP Rehabilitation at the Lateral to Main Connection                 |
| SS-13   | LF   | 450    | CIPP Lateral Rehabilitaion from Main to Cleanout                      |
| SS-14A  | EA   | 17     | 4" Cleanout                                                           |
| SS-14B  | EA   | 1      | 6" Cleanout                                                           |
| SS-15   | LS   | 1      | Bypass Pumping                                                        |
| SS-16   | LS   | 1      | Geotechnical Testing Allowance                                        |
| SS-17   | LS   | 1      | Abandon S.S. Mains & Manholes                                         |