Header Detail

Work Order: 802360

Work Order Title: Repl 2015F 4P River N of Pacific

Wo Type Description: WO-Replacement Mains & Svcs MGE

Work Order Group:

**Current Revision: 2** 

Funding Project: F0604 Funding Project Desc: Main Replacement - ISRS (S)

Eligible for AFUDC yes

Reason Code: Strategic

Eligible for CPI: yes

WO Description:Install ~ 1510 Ft of 4in PL IP Main, ~505 Ft of 4in PL LP Main.

Major Location: 0201-Independence

Asset Location: 0201-043001 JACKSON CTY/INDEPENDENCE

Estimated Start Date: Dec 24, 2018

Estimated Completion Date: Dec 28, 2018

Status: completed

Company: Spire Missouri Inc.

Department Description: Construction & Maintenance - Region 2B - Unio

Budget Description: Replace bare steel main - safety re

Business Segment: Missouri West

Department Code: 20638

Est. Annual Revenue:

Reimbursement Type: None

Retirement Type:

Functional Class: Distribution Plant

Estimated In-Service Date:

Dec 28, 2018

Notes: We have a #3 Leak that is due on 02/19/19 on a 1000 Ft segment of Cast Iron main on River between Walnut and Pacific. We need to replacethis segment and would also like to replace the 270 Ft cast ironsegment on River between Truman and Maple. Abandon - 1448 Ft of 6in ST IP Main -571 Ft of 8in ST LP Main, -1270 Ft of 8in CI LP main, 10 Ft of 4" PL IP LP Main. Total Service Tie overs: 3. MREPL to clear leak due Feb 2019, also to remove remaining Castlron main. This is ISRS Recoverable.

Reason for Work (Justification)

| Level                   | Approver           | Approval Limit | Date Approved |  |
|-------------------------|--------------------|----------------|---------------|--|
| Operational Accounting  | Muehlenkamp, Anne  | \$0            | 12/17/2018    |  |
| Engineering Review-Dist | § Hoeferlin, Craig | \$0            | 1/3/2019      |  |
| VP Field Operations-MGE | Goodson, Timothy   | \$1,000,000    | 1/4/2019      |  |

| ***** Unit Estimate *****          |             |              |                       |                     |         |  |  |
|------------------------------------|-------------|--------------|-----------------------|---------------------|---------|--|--|
| Utility Account                    | Additions   | Removal Cost | Total<br>Expenditures | Retirement<br>Value | Salvage |  |  |
| 376100-Mains - Steel               | \$0.00      | \$30,822.50  | \$30,822.50           | \$0.00              | \$0.00  |  |  |
| 376200-Mains - Cast Iron           | \$0.00      | \$8,399.33   | \$8,399.33            | \$0.00              | \$0.00  |  |  |
| 376300-Mains - Plastic             | \$98,784.61 | \$849.92     | \$99,634.53           | \$0.00              | \$0.00  |  |  |
| 380200-Services - Plastic & Copper | \$1,052.94  | \$0.00       | \$1,052.94            | \$0.00              | \$0.00  |  |  |
| Total Estimated Costs:             | \$99,837.55 | \$40,071.75  | \$139,909.30          | \$0.00              | \$0.00  |  |  |

| set Location                     |                  |                    |          |            |              |            |
|----------------------------------|------------------|--------------------|----------|------------|--------------|------------|
| Utility Account                  |                  |                    |          |            |              |            |
| Retirement Unit<br>Est. Chg Type | Addition Dollars | Retirement Dollars | Add Qty  | Retire Qty | Add Hrs      | Retire Hrs |
| 0201-043001 JACKSON CTY/INDEP    |                  |                    |          |            | -071         |            |
| 376200-Mains - Cast Iron         |                  |                    |          |            |              |            |
| Mains-Cast Iron 8"               |                  |                    |          |            |              |            |
| Contract Payroll                 | \$0.00           | \$286.16           | 0        | 0          | 0            | 0          |
| Contractor Work                  | \$0.00           | \$4,578.00         | 0        | 0          | 0            | . 0        |
| Department Clearings             | \$0.00           | \$420.66           | 0        | 0          | 0            | 0          |
| Overheads Capitalized - Benefits | \$0.00           | \$251.82           | 0        | 0          | 0            | 0          |
| Overheads Capitalized - General  | \$0.00           | \$2,819.19         | 0        | 0          | 0            | 0          |
| Payroll Taxes                    | \$0.00           | \$43.50            | 0        | 0          | 0            | 0          |
| Retirement Value                 | \$0.00           | \$0.00             | 0        | 1270       | 0            | 0          |
| SubTotal Utility Account:        | \$0.00           | \$8,399.33         | 0.00     | 1,270.00   | 0.00         | 0.00       |
| 376300-Mains - Plastic           |                  | 7 2000             |          |            | _200,000.000 |            |
| Mains-Plastic 4"                 |                  |                    |          |            |              |            |
| Contract Payroll                 | \$715.40         | \$71.54            | 0        | 0          | 0            | 0          |
| Contractor Work                  | \$51,824.08      | \$368.16           | 0        | 0          | 0            | 0          |
| Department Clearings             | \$1,051.64       | \$105.16           | 0        | 0          | 0            | 0          |
| Overheads Capitalized - Benefits | \$629.55         | \$62.96            | 0        | 0          | 0            | 0          |
| Overheads Capitalized - General  | \$36,519.81      | \$231.23           | 0        | 0          | 0            | 0          |
| Payroll Taxes                    | \$108.74         | \$10.87            | 0        | 0          | 0            | 0          |
| Retirement Value                 | \$0.00           | \$0.00             | 0        | 10         | 0            | 0          |
| Stores                           | \$7,935.39       | \$0.00             | 2015     | 0          | 0            | 0          |
| SubTotal Utility Account:        | \$98,784.61      | \$849.92           | 2,015.00 | 10.00      | 0.00         | 0.00       |
| 376100-Mains - Steel             | a seed a special |                    |          |            |              | Te         |
| Mains-Steel 6"                   |                  |                    |          |            |              |            |
| Contract Payroll                 | \$0.00           | \$357.70           | 0        | 0          | 0            | 0          |
| Contractor Work                  | \$0.00           | \$7,411.44         | 0        | 0          | 0            | 0          |
| Department Clearings             | \$0.00           | \$525.82           | 0        | 0          | 0            | 0          |
| Overheads Capitalized - Benefits | \$0.00           | \$314.78           | 0        | 0          | 0            | 0          |
| Overheads Capitalized - General  | \$0.00           | \$4,642.54         | 0        | 0          | 0            | 0          |
| Payroll Taxes                    | \$0.00           | \$54.37            | 0        | 0          | 0            | 0          |
| Retirement Value                 | \$0.00           | \$0.00             | 0        | 1493       | 0            | 0          |
| Stores                           | \$0.00           | \$144.74           | 0        | 0          | 0            | 0          |
| Mains-Steel 8"                   |                  |                    |          |            |              |            |
| Contract Payroll                 | \$0.00           | \$214.62           | 0        | 0          | 0            | 0          |
| Contractor Work                  | \$0.00           | \$8,282.88         | 0        | 0          | 0            | 0          |
| Department Clearings             | \$0.00           | \$315.49           | 0        | 0          | 0            | 0          |
| Overheads Capitalized - Benefits | \$0.00           | \$188.87           | 0        | 0          | 0            | 0          |
| Overheads Capitalized - General  | \$0.00           | \$6,309.23         | 0        | 0          | 0            | 0          |
| Payroll Taxes                    | \$0.00           | \$32.62            | 0        | 0          | 0            | 0          |

| ***** Unit Estimate *****  |                  |                    |          |            |         |            |  |
|--|------------------|--------------------|----------|------------|---------|------------|--|
| sset Location<br>Utility Account<br>Retirement Unit<br>Est. Chg Type | Addition Dollars | Retirement Dollars | Add Qty  | Retire Qty | Add Hrs | Retire Hrs |  |
| 0201-043001 JACKSON CTY/INDEP  |                  |                    | 8        | ā          |         |            |  |
| 376100-Mains - Steel   |                  |                    |          |            |         |            |  |
| Mains-Steel 8"   |                  | 10                 |          |            |         |            |  |
| Retirement Value   | \$0.00           | \$0.00             | 0        | 676        | 0       | 0          |  |
| Stores   | \$0.00           | \$2,027.40         | 0        | 0          | 0       | 0          |  |
| SubTotal Utility Account:  | \$0.00           | \$30,822.50        | 0.00     | 2,169.00   | 0.00    | 0.00       |  |
| 380200-Services - Plastic & Copper<br>Services-Plastic               |                  |                    |          |            |         | 81         |  |
| Contractor Work  | \$654.00         | \$0.00             | 0        | 0          | 0       | 0          |  |
| Overheads Capitalized - General                                      | \$398.94         | \$0.00             | 0        | 0          | 0       | 0          |  |
| SubTotal Utility Account:  | \$1,052.94       | \$0.00             | 0.00     | 0.00       | 0.00    | 0.00       |  |
| SubTotal Location:   | \$99,837.55      | \$40,071.75        | 2,015.00 | 3,449.00   | 0.00    | 0.00       |  |
| Total Unit Estimate:   | \$99,837.55      | \$40,071.75        | 2,015    | 3,449      | 0       | 0          |  |

|   |                 | ****                   | * Class Codes *****                  |                      |          |
|---|-----------------|------------------------|--------------------------------------|----------------------|----------|
|   | Class Code      |                        | Value                                | Ø.                   |          |
|   | cap_expense     |                        | capital                              | (30)                 |          |
|   | ISRS Reason     |                        | 08 - Cast Iron or Bare Steel Replace | ement - Lea          |          |
|   | isrs_recov      |                        | yes                                  |                      |          |
|   | ohbenefits      |                        | yes                                  |                      |          |
|   | ohgen_supv      |                        | yes                                  |                      |          |
|   | prod_nonprod    |                        | prod                                 |                      |          |
|   | Project Classif | îcation                | both                                 | 9 5 5                |          |
|   |                 | ***                    | ** As-Built ****                     |                      |          |
| Asset Location Utility Account Exp Type   | 9               |                        |                                      |                      | 10       |
| Est Charge Type   |                 | Dellarment Hulf        | Annual victorial                     |                      |          |
|   |                 | Retirement Unit        | Job task                             | Dollars              | Quantity |
| vallable for Unitization:<br>0201-043001 JACKSON C<br>376100-Mains - Steel<br>Addition<br>Overheads Capitalized |                 |                        | Job task                             | \$248.07             |          |
| vailable for Unitization:<br>0201-043001 JACKSON C<br>376100-Mains - Steel<br>Addition                          | - General       | ENCE                   | Job task                             |                      | Quantity |
| vallable for Unitization:<br>0201-043001 JACKSON C<br>376100-Mains - Steel<br>Addition<br>Overheads Capitalized | - General       | ENCE<br>Mains-Steel 6" | Job task  Addition Total:            | \$248.07             |          |
| vallable for Unitization:<br>0201-043001 JACKSON C<br>376100-Mains - Steel<br>Addition<br>Overheads Capitalized | - General       | ENCE<br>Mains-Steel 6" |                                      | \$248.07<br>\$668.03 |          |

| Asset Location  | ¥) =   |            |               |          |   |            |
|---|--|------------|---------------|----------|---|------------|
| Utility Account   |  |            |               |          |   |            |
| Ехр Туре  |  |            |               |          |   |            |
| Est Charge Type   | Retirement Unit                                      | A 100 CI I | Job ta        | ask      | Dollars   | Quantity   |
|   |  |            |               |          |   |            |
| vallable for Unitization:   |  |            |               |          |   |            |
| 201-043001 JACKSON CTY/INDEPENI<br>376100-Mains - Steel             | DENCE  |            |               |          |   |            |
| Retirement  |  |            |               |          |   |            |
| 10.00 m m m m m m m m m m m m m m m m m m                           | Mains-Steel 6"                                       |            |               |          | 6057 70   | in .       |
| Contract Payroll Contractor Work                                    | Mains-Steel 6"                                       |            |               |          | \$357.70<br>\$2,287.57  | 94         |
| Contractor Work   | Mains-Steel 8"                                       |            |               |          | A 45 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5  |            |
|   | Mains-Steel 6"                                       |            |               |          | \$30,575.64   | _          |
| Department Clearings  | Mains-Steel 8"                                       |            |               |          | \$525.82  |            |
| Department Clearings  | Mains-Steel 6"                                       |            |               |          | \$2,103.28  |            |
| Overheads Capitalized - Benefits                                    |  |            |               |          | \$314.78  | (          |
| Overheads Capitalized - Benefits<br>Overheads Capitalized - General | Mains-Steel 8"<br>Mains-Steel 8"                     |            |               | *        | \$1,259.10  | (          |
|   |  |            |               |          | \$20,290.67   | (          |
| Overheads Capitalized - General                                     | Mains-Steel 6"                                       |            |               |          | \$1,247.70  | (          |
| Payroll Taxes   | Mains-Steel 8"                                       |            |               |          | \$217.48  | (          |
| Payroll Taxes Retirement Value                                      | Mains-Steel 6"                                       |            |               |          | \$54.37   | (          |
|   | Mains-Steel 8"                                       |            |               |          | \$2.65  | 2          |
| Retirement Value  | Mains-Steel 6"                                       |            |               |          | \$914.06  | 672        |
| Retirement Value  | Mains-Steel 8"                                       |            |               |          | \$1,203.61  | 176        |
| Retirement Value  | Mains-Steel 8"                                       |            |               |          | \$1,486.87  | 77         |
| Retirement Value  | Mains-Steel 8"                                       |            |               |          | \$8,712.01  | 245        |
| Retirement Value  | Mains-Steel 6"                                       |            |               |          | \$4,974.59  | 749        |
| Stores  | Mains-Steel 6"                                       |            |               |          | \$109.97  | (          |
| Stores  | Mains-Steel 8"                                       |            | D. (1         | <b>—</b> | \$3,564.74  | (          |
| 070000 M-1 0  |  |            | Retirement    | iotai:   | \$81,633.41   | 1,921      |
| 376200-Mains - Cast Iron<br>Retirement                              |  |            |               |          |   |            |
| Contract Payroll  | Mains-Cast Iron 8"                                   |            |               |          | \$715.40  | (          |
| Contractor Work   | Mains-Cast Iron 8"                                   |            |               |          | \$8,953.00  |            |
| Department Clearings  | Mains-Cast Iron 8"                                   |            |               |          | West winds from the   | (          |
| Overheads Capitalized - Benefits                                    | Mains-Cast Iron 8"                                   |            |               |          | \$1,051.64<br>\$629.55  | (          |
| Overheads Capitalized - General                                     | Mains-Cast Iron 8"                                   |            |               |          | e <sup>18</sup> .e .e.  |            |
| Payroll Taxes   | Mains-Cast Iron 8"                                   |            |               |          | \$5,527.86  | (          |
| Retirement Value  | Mains-Cast Iron 8"                                   |            |               |          | \$108.74<br>\$2,007.78  | 1,209      |
| Treatment value   | Mans-Cast non C                                      |            | Detirement    | Total    |   |            |
| 070000 M. i   |  |            | Retirement    | iotai:   | \$18,993.97   | 1,209      |
| 376300-Mains - Plastic  |  |            |               |          |   |            |
| Addition  | Maine Diestie 41                                     |            |               |          | 00.537.00   |            |
| Contract Payroll  | Mains-Plastic 4"                                     |            |               |          | \$3,577.00  | (          |
| Contractor Work   | Mains-Plastic 4"                                     |            |               |          | \$112,049.13  | (          |
| Department Clearings  | Mains-Plastic 4"                                     |            |               |          | \$5,258.19  | (          |
| Overheads Capitalized - Benefits                                    | Mains-Plastic 4"                                     |            |               |          | \$3,147.76  | (          |
| Overheads Capitalized - General                                     | Mains-Plastic 4"                                     |            |               |          | \$83,865.64   | C          |
| Decree II Terror  | Mains-Plastic 4"                                     |            |               |          | \$543.70  | (          |
| Payroll Taxes   |  |            |               |          | \$24,890.18   | 1,907      |
| Payroll Taxes Stores  | Mains-Plastic 4"                                     |            | gr (cristric) |          | 12.00 (No. 10.00 (No. | 200        |
| Stores  | Mains-Plastic 4"                                     |            | Addition      | Total:   | \$233,331.60  | 1,907      |
| Stores  |  |            | Addition      | Total:   |   |            |
| Stores  | Mains-Plastic 4"  Mains-Plastic 4"  Mains-Plastic 4" | - v -      | Addition      | Total:   | \$233,331.60<br>\$357.70<br>\$383.70  | 1,907<br>0 |

6/17/19 12:51pm

|                                    |                  | **** As-Built ****      |                 |                    |            |
|------------------------------------|------------------|-------------------------|-----------------|--------------------|------------|
| Asset Location                     |                  |                         |                 |                    |            |
| Utility Account                    |                  |                         | 595             |                    |            |
| Ехр Туре                           |                  |                         |                 |                    |            |
| Est Charge Type                    | Retirement Unit  |                         | Job task        | Dollars            | Quantity   |
|                                    | 7.6              |                         |                 |                    |            |
| vailable for Unitization:          |                  |                         |                 |                    |            |
| 0201-043001 JACKSON CTY/INDEPEN    | DENCE            |                         |                 |                    |            |
| 376300-Mains - Plastic             |                  |                         |                 |                    |            |
| Retirement                         |                  |                         |                 |                    |            |
| Overheads Capitalized - Benefits   | Mains-Plastic 4" |                         |                 | \$314.78           | 0          |
| Overheads Capitalized - General    | Mains-Plastic 4" |                         |                 | \$267.32           | 0          |
| Payroll Taxes                      | Mains-Plastic 4" |                         |                 | \$54.37            | 0          |
| Retirement Value                   | Mains-Plastic 4" |                         |                 | \$1,875.81         | 50         |
| <del>,</del>                       |                  | Ret                     | irement Total:  | \$3,779.50         | 50         |
| 380200-Services - Plastic & Copper |                  |                         |                 |                    |            |
| Addition                           |                  |                         |                 |                    |            |
| Contract Payroll                   | Services-Plastic |                         |                 | \$178.85           | 0          |
| Contractor Work                    | Services-Plastic |                         |                 | \$2,385.24         | 0          |
| Department Clearings               | Services-Plastic |                         |                 | \$262.91           | 0          |
| Overheads Capitalized - Benefits   | Services-Plastic |                         |                 | \$157.39           | 0          |
| Overheads Capitalized - General    | Services-Plastic |                         |                 | \$1,568.44         | 0          |
| Payroll Taxes                      | Services-Plastic |                         |                 | \$1,500.44         | 0          |
| Stores                             | Services-Plastic |                         |                 | \$158.71           | 140        |
|                                    | Services-Flastic |                         |                 |                    |            |
|                                    |                  |                         | Addition Total: | \$4,738.73         | 140        |
| Retirement                         | L. L. L. L.      |                         |                 |                    | 521        |
| Contract Payroll                   | Services-Plastic | 3.                      |                 | \$160.97           | 0          |
| Contractor Work                    | Services-Plastic |                         |                 | \$685.25           | 0          |
| Department Clearings               | Services-Plastic |                         |                 | \$236.63           | 0          |
| Overheads Capitalized - Benefits   | Services-Plastic |                         |                 | \$141.65           | 0          |
| Overheads Capitalized - General    | Services-Plastic |                         |                 | \$432.97           | 0          |
| Payroll Taxes                      | Services-Plastic |                         |                 | \$24.47            | 0          |
| Retirement Value                   | Services-Plastic |                         |                 | \$88.26            | 3          |
| Retirement Value                   | Services-Plastic |                         |                 | \$576.55           | 55         |
| Retirement Value                   | Services-Plastic |                         |                 | \$70.93            | 6          |
| Retirement Value                   | Services-Plastic |                         |                 | \$14.09            | 2          |
|                                    | 100000           | Ret                     | irement Total:  | \$2,431.77         | . 66       |
| ,                                  |                  | Addition Dollars        | Add Qty         | Retirement Dollars | Retire Qty |
|                                    | Location Total:  | \$238,986.43            | 2,047           | \$106,838.65       | 3,246      |
|                                    | AND TOTAL        | 2                       |                 |                    |            |
|                                    |                  | Addition Dollars        | Add Qty         | Retirement Dollars | Retire Qty |
| Available                          | for Unitization: | \$238,986.43            | 2,047           | \$106,838.65       | 3,246      |
|                                    |                  | <b>Addition Dollars</b> | Add Qty         | Retirement Dollars | Retire Qty |
| Unit                               | Estimate Total:  | \$238,986.43            | 2,047           | \$106,838.65       | 3,246      |

| Markey        | Activity   |  |  |
|---------------|--|--|--|
| vintage       | Code   | Retire Qty   | Retirement Amount  |
|               |  |  |  |
|               |  |  |  |
|               |  |  |  |
|               |  |  |  |
|               |  |  |  |
| 1939          | URET   | 672  | \$914.06   |
| 1966          | URET   | 749  | \$4,974.59   |
|               |  |  |  |
| 1936          | URET   | 2  | \$2.65   |
| 1953          | URET   | 176  | \$1,203.61   |
| 1988          | URET   | 77   | \$1,486.87   |
| 1989          | URET   | 245  | \$8,712.01   |
| Utility Accou | nt Total:  | 1.921  | \$17,293.79  |
|               | _  | .,   |  |
|               |  |  |  |
| 4000          | LIDET  | 4.000  | 60 007 70  |
|               | _  | 8  | \$2,007.78   |
| Utility Accou | nt Total: _  | 1,209  | \$2,007.78   |
|               |  |  |  |
|               |  |  | 38   |
| 1989          | URET   | 50   | \$1,875.81   |
| Utility Accou | nt Total:  | 50   | \$1,875.81   |
|               | _  |  |  |
|               |  |  |  |
| 4000          | LIDET  |  | 644.00   |
|               |  |  | \$14.09  |
|               |  |  | \$70.93  |
|               |  |  | \$576.55   |
|               | _  |  | \$88.26  |
| Utility Accou | nt Total: _  | 66   | \$749.83   |
| Location      | on Total:  | 3,246  | \$21,927.21  |
| GL Accou      | nt Total:  | 3,246  | \$21,927.21  |
| Posted Retir  | ements:  | 3,246  | \$21,927.21  |
| Work Ord      | er Total·  | 3.246  | \$21,927.21  |
|               | 1939 1966 1936 1953 1988 1989 Utility Accou 1939 Utility Accou 1989 Utility Accou 1980 1987 1991 2014 Utility Accou Locatio GL Accou | 1966 URET  1936 URET  1953 URET  1988 URET  1989 URET  Utility Account Total:  1989 URET  Utility Account Total:  1989 URET  Utility Account Total:  1980 URET  1980 URET  1987 URET | 1939 URET   672   1966 URET   749   1936 URET   176   1988 URET   77   1989 URET   245   1939 URET   1,209   1939 URET   1,209   1989 URET   1,209   1989 URET   50   1980 URET   50   1980 URET   50   1987 URET   6   1991 URET   5   5   2014 URET   3   10   10   10   10   10   10   10 |

6/17/19 12:51pm

Page 6 of 6

**Header Detail** 

Work Order: 802354

Company: Spire Missouri Inc.

Work Order Title: Repl 167F 2P 25th & Drury

**Business Segment: Missouri West** 

Wo Type Description: WO-Replacement Mains & Svcs MGE

Functional Class: Distribution Plant

Work Order Group:

Department Code: 20648

**Current Revision: 1** 

Department Description: Construction & Maintenance - Region 2A - Unio

Funding Project: F0599

Funding Project Desc: Main Replacement - ISRS (N)

Budget Description: Replace cast iron main - CPI / prio

Eligible for AFUDC yes

Eligible for CPI: yes

Est. Annual Revenue:

Reimbursement Type: None

Reason Code: System Integrity

**Retirement Type:** 

WO Description:Insert ~ 167 Ft of 2 in PL LP Main at 25th Street at Drury. One service being tied over. This main is being replaced due to leak.

Major Location: 0401-KC/MO - Central

Status: completed

Asset Location: 0401-043050 JACKSON CTY/KC

Estimated Completion Date: Nov 16, 2018

**Estimated In-Service Date:** 

Nov 16, 2018

Estimated Start Date: Nov 12, 2018 Notes:

Reason for Work (Justification)

|                         | 3444               |                |               |
|-------------------------|--------------------|----------------|---------------|
| Level                   | Approver           | Approval Limit | Date Approved |
| Operational Accounting  | Muehlenkamp, Anne  | \$0            | 10/24/2018    |
| Engineering Review-Dist | § Hoeferlin, Craig | \$0            | 10/30/2018    |
| VP Field Operations-MGE | Hampton, Joe       | \$1,000,000    | 10/31/2018    |

| ***** Unit Estimate ***** |             |              |                       |                     |         |  |  |
|---------------------------|-------------|--------------|-----------------------|---------------------|---------|--|--|
| Utility Account           | Additions   | Removal Cost | Total<br>Expenditures | Retirement<br>Value | Salvage |  |  |
| 376200-Mains - Cast Iron  | \$0.00      | \$1,407.79   | \$1,407.79            | \$0.00              | \$0.00  |  |  |
| 376300-Mains - Plastic    | \$17,447.40 | \$0.00       | \$17,447.40           | \$0.00              | \$0.00  |  |  |
| Total Estimated Costs:    | \$17,447.40 | \$1,407.79   | \$18,855.19           | \$0.00              | \$0.00  |  |  |

| ***** Unit Estimate *****  |                  |                    |         |            |         |            |
|--|------------------|--------------------|---------|------------|---------|------------|
| sset Location<br>Utility Account<br>Retirement Unit<br>Est. Chg Type | Addition Dollars | Retirement Dollars | Add Qty | Retire Qty | Add Hrs | Retire Hrs |
| 0401-043050 JACKSON CTY/KC   |                  |                    |         |            |         |            |
| 376200-Mains - Cast Iron   |                  |                    |         |            |         |            |
| Mains-Cast Iron 4"   |                  |                    |         |            |         |            |
| Contract Payroll   | \$0.00           | \$468.48           | 0       | 0          | 0       | 0          |
| Department Clearings   | \$0.00           | \$405.24           | 0       | 0          | 0       | 0          |
| Overheads Capitalized - Benefits                                     | \$0.00           | \$261.88           | 0       | 0          | 0       | 0          |
| Overheads Capitalized - General                                      | \$0.00           | \$80.98            | 0       | 0          | 0       | 0          |
| Payroll Taxes  | \$0.00           | \$71.21            | 0       | 0          | 0       | 0          |
| Retirement Value   | \$0.00           | \$0.00             | 0       | 164        | 0       | 0          |
| Stores   | \$0.00           | \$120.00           | 0       | 0          | 0       | 0          |
| SubTotal Utility Account:  | \$0.00           | \$1,407.79         | 0.00    | 164.00     | 0.00    | 0.00       |
| 376300-Mains - Plastic   |                  |                    |         |            |         |            |
| Mains-Plastic 2"   |                  |                    |         |            |         |            |
| Contract Payroll   | \$6,284.28       | \$0.00             | 0       | 0          | 0       | 0          |
| Department Clearings   | \$5,435.90       | \$0.00             | 0       | 0          | 0       | 0          |
| Overheads Capitalized - Benefits                                     | \$3,512.91       | \$0.00             | 0       | 0          | 0       | 0          |
| Overheads Capitalized - General                                      | \$657.76         | \$0.00             | 0       | 0          | 0       | 0          |
| Payroll Taxes  | \$955.21         | \$0.00             | 0       | 0          | 0       | 0          |
| Stores   | \$601.34         | \$0.00             | 167     | 0          | 0       | 0          |
| SubTotal Utility Account:  | \$17,447.40      | \$0.00             | 167.00  | 0.00       | 0.00    | 0.00       |
| SubTotal Location:   | \$17,447.40      | \$1,407.79         | 167.00  | 164.00     | 0.00    | 0.00       |
| Total Unit Estimate:   | \$17,447.40      | \$1,407.79         | 167     | 164        | 0       | . 0        |

| ÷ | 25, 24                 | ***** Clas | s Codes *****                                  |  |
|---|------------------------|------------|--|--|
|   | Class Code             |            | Value  |  |
|   | cap_expense            |            | capital  |  |
|   | ISRS Reason            |            | 08 - Cast Iron or Bare Steel Replacement - Lea |  |
|   | isrs_recov             |            | yes .  |  |
|   | ohbenefits             |            | yes  |  |
|   | ohgen_supv             |            | yes  |  |
|   | prod_nonprod           |            | prod   |  |
|   | Project Classification |            | both   |  |

|                                  |                    | **** As-Built **** | 0                |                    |            |
|----------------------------------|--------------------|--------------------|------------------|--------------------|------------|
| Asset Location                   |                    |                    |                  |                    |            |
| Utility Account                  |                    |                    |                  |                    |            |
| Ехр Туре                         |                    |                    |                  |                    |            |
| Est Charge Type                  | Retirement Unit    |                    | Job task         | Dollars            | Quantity   |
| vailable for Unitization:        |                    |                    |                  | ×                  |            |
| 0401-043050 JACKSON CTY/KC       |                    |                    |                  |                    |            |
| 376200-Mains - Cast Iron         |                    |                    |                  |                    |            |
| Retirement                       |                    |                    |                  |                    |            |
| Contract Payroll                 | Mains-Cast Iron 4" |                    |                  | \$468.48           | 0          |
| Department Clearings             | Mains-Cast Iron 4" |                    |                  | \$688.67           | 0          |
| Overheads Capitalized - Benefits | Mains-Cast Iron 4" |                    |                  | \$412.26           | 0          |
| Overheads Capitalized - General  | Mains-Cast Iron 4" |                    |                  | \$43.57            | 0          |
| Payroll Taxes                    | Mains-Cast Iron 4" |                    |                  | \$71.21            | 0          |
| Retirement Value                 | Mains-Cast Iron 4" |                    |                  | \$560.24           | 176        |
|                                  |                    | Re                 | etirement Total: | \$2,244.43         | 176        |
| 376300-Mains - Plastic           |                    |                    |                  |                    |            |
| Addition                         |                    |                    |                  |                    |            |
| Contract Payroll                 | Mains-Plastic 2"   |                    |                  | \$6,512.46         | 0          |
| Department Clearings             | Mains-Plastic 2"   |                    | 10               | \$9,573.32         | 0          |
| Overheads Capitalized - Benefits | Mains-Plastic 2"   |                    |                  | \$5,730.96         | 0          |
| Overheads Capitalized - General  | Mains-Plastic 2"   |                    |                  | \$946.36           | 0          |
| Payroll Taxes                    | Mains-Plastic 2"   |                    |                  | \$989.89           | 0          |
| Stores                           | Mains-Plastic 2"   |                    |                  | \$558.53           | 157        |
|                                  |                    |                    | Addition Total:  | \$24,311.52        | 157        |
|                                  |                    | Addition Dollars   | Add Qty          | Retirement Dollars | Retire Qty |
|                                  | Location Total:    | \$24,311.52        | 157              | \$2,244.43         | 176        |
|                                  |                    | Addition Dollars   | Add Qty          | Retirement Dollars | Retire Qty |
| Available                        | o for Unitization: | \$24,311.52        | 157              | \$2,244.43         | 176        |
|                                  |                    | Addition Dollars   | Add Qty          | Retirement Dollars | Retire Qty |
| Uni                              | t Estimate Total:  | \$24,311.52        | 157              | \$2,244.43         | 176        |

| ***** Work Order Retirements *****  |                              |                          |            |                   |  |  |  |
|---|------------------------------|--------------------------|------------|-------------------|--|--|--|
| Business Segment Asset Location Utility Account Retirement Unit Asset Description | GL Account                   | Activity<br>Vintage Code | Retire Qty | Retirement Amount |  |  |  |
| osted Retirements:  |                              |                          |            |                   |  |  |  |
| Missouri West<br>0401-043050 JACKSON CTY/KC                                       | 101000::Gas Plant in Service |                          |            |                   |  |  |  |
| 376200-Mains - Cast Iron  |                              |                          |            |                   |  |  |  |
| Mains-Cast Iron 4"  |                              |                          |            |                   |  |  |  |
| OCR   |                              | 1955 URET                | 176        | \$560.24          |  |  |  |
|   | er .                         | Utility Account Total:   | 176        | \$560.24          |  |  |  |
|   |                              | Location Total:          | 176        | \$560.24          |  |  |  |
|   |                              | GL Account Total:        | 176        | \$560.24          |  |  |  |
|   |                              | Posted Retirements:      | 176        | \$560.24          |  |  |  |
|   |                              | Work Order Total:        | 176        | \$560.24          |  |  |  |

Header Detail

Work Order: 801570

Work Order Title: Repl 5870F 2-4P Forest & Grand

Wo Type Description: WO-Replacement Mains & Svcs MGE

Work Order Group: **Current Revision: 1** 

Funding Project: F0604

Funding Project Desc: Main Replacement - ISRS (S)

Eligible for AFUDC yes Reason Code: Strategic

Eligible for CPI: yes

Company: Spire Missouri Inc.

Business Segment: Missouri West Functional Class: Distribution Plant

Department Code: 20638

Department Description: Construction & Maintenance - Region 2B - Unio

Budget Description: Replace bare steel main - safety re

Status: posted to CPR

Est. Annual Revenue: Reimbursement Type: None

Retirement Type:

WO Description:Install - 4740 Ft of 2 in PL IP Main, and 1130 Ft of 4 in PL IP Main on SE Grand Ave, NE Ash Ct, NE Ash St, NE Short St, NE

Florence Ave, NE Forest Ave. NE Arlington Cir, and Howard Ave.

Major Location: 0901-Lee's Summit

Asset Location: 0901-043021 JACKSON CTY/LEE'S SUMMIT OFFIC

Estimated Start Date: May 01, 2018

Estimated Completion Date: Jun 01, 2018

**Estimated In-Service Date:** 

Notes: Abandon - 419 Ft of 2 in PL MP Main, and 5498 Ft of 2 in ST MP Main at the above locations. Total Service Tie Over = 117:

Total Service Abandon = 1. These mains are being replaced due to leaks and is part of FY18 Bare Steel Replacement

Program. Forest and Grand - Replace MP to IP.

Reason for Work (Justification)

| Level                   | Approver Approval I |             | Date Approved |  |  |
|-------------------------|---------------------|-------------|---------------|--|--|
| Operational Accounting  | Muehlenkamp, Anne   | \$0         | 4/11/2018     |  |  |
| Engineering Review-Dist | § Hoeferlin, Craig  | \$0         | 4/13/2018     |  |  |
| VP Field Operations-MGE | Hampton, Joe        | \$1,000,000 | 4/13/2018     |  |  |

| ***** Unit Estimate ***** |              |              |                       |                     |         |  |  |
|---------------------------|--------------|--------------|-----------------------|---------------------|---------|--|--|
| Utility Account           | Additions    | Removal Cost | Total<br>Expenditures | Retirement<br>Value | Salvage |  |  |
| 376100-Mains - Steel      | \$0.00       | \$6,611.64   | \$6,611.64            | \$0.00              | \$0.00  |  |  |
| 376300-Mains - Plastic    | \$484,453.03 | \$1,279.54   | \$485,732.57          | \$0.00              | \$0.00  |  |  |
| Total Estimated Costs:    | \$484,453.03 | \$7,891.18   | \$492,344.21          | \$0.00              | \$0.00  |  |  |

|   | *****            | Unit Estimate ***** |          |            |                 |            |
|---|------------------|---------------------|----------|------------|-----------------|------------|
| sset Location Utility Account Retirement Unit Est. Chg Type | Addition Dollars | Retirement Dollars  | Add Qty  | Retire Qty | Add Hrs         | Retire Hrs |
| 0901-043021 JACKSON CTY/LEE'S                               |                  |                     |          |            | for<br>historia | 2 17       |
| 376300-Mains - Plastic                                      |                  |                     |          |            |                 |            |
| Mains-Plastic 2"  |                  |                     |          |            |                 |            |
| Contract Payroll  | \$1,988.60       | \$0.00              | 0        | 0          | 0               | 0          |
| Contractor Work   | \$252,249.80     | \$890.16            | 0        | 0          | 0               | 0          |
| Department Clearings  | \$1,720.14       | \$0.00              | 0        | 0          | 0               | 0          |
| Overheads Capitalized - Benefits                            | \$1,111.63       | \$0.00              | 0        | 0          | 0               | 0          |
| Overheads Capitalized - General                             | \$112,773.39     | \$381.62            | 0        | 0          | 0               | 0          |
| Payroll Taxes   | \$302.27         | \$0.00              | 0        | 0          | 0               | 0          |
| Retirement Value  | \$0.00           | \$0.00              | 0        | 419        | 0               | C          |
| Stores  | \$12,799.89      | \$7.76              | 4740     | 0          | 0               | C          |
| Mains-Plastic 4"  |                  |                     |          |            |                 |            |
| Contract Payroll  | \$489.00         | \$0.00              | 0        | 0          | 0               | C          |
| Contractor Work   | \$65,634.99      | \$0.00              | 0        | 0          | 0               | C          |
| Department Clearings  | \$422.99         | \$0.00              | 0        | 0          | 0               | C          |
| Overheads Capitalized - Benefits                            | \$273.35         | \$0.00              | 0        | 0          | 0               | C          |
| Overheads Capitalized - General                             | \$29,920.38      | \$0.00              | 0        | 0          | 0               | C          |
| Payroll Taxes   | \$74.33          | \$0.00              | 0        | 0          | 0               | O          |
| Stores  | \$4,692.27       | \$0.00              | 1130     | 0          | 0               | 0          |
| SubTotal Utility Account:                                   | \$484,453.03     | \$1,279.54          | 5,870.00 | 419.00     | 0.00            | 0.00       |
| 376100-Mains - Steel<br>Mains-Steel 2"                      |                  |                     |          |            |                 |            |
| Contract Payroll  | \$0.00           | \$619.40            | 0        | 0          | 0               | C          |
| Contractor Work   | \$0.00           | \$186.20            | 0        | 0          | 0               | 0          |
| Department Clearings  | \$0.00           | \$535.78            | 0        | 0          | 0               | 0          |
| Overheads Capitalized - Benefits                            | \$0.00           | \$346.24            | 0        | 0          | 0               | 0          |
| Overheads Capitalized - General                             | \$0.00           | \$1,523.84          | 0        | 0          | 0               | 0          |
| Payroll Taxes   | \$0.00           | \$94.15             | 0        | 0          | 0               | - 0        |
| Retirement Value  | \$0.00           | \$0.00              | 0        | 5498       | 0               | 0          |
| Stores  | \$0.00           | \$3,306.03          | 0        | 0          | 0               | 0          |
| SubTotal Utility Account:                                   | \$0.00           | \$6,611.64          | 0.00     | 5,498.00   | 0.00            | 0.00       |
| SubTotal Location:  | \$484,453.03     | \$7,891.18          | 5,870.00 | 5,917.00   | 0.00            | 0.00       |
| Total Unit Estimate:  | \$484,453.03     | \$7,891.18          | 5,870    | 5,917      | 0               | 0          |

| Class Code  | V. I    |
|-------------|---------|
| Olass Code  | Value   |
| cap_expense | capital |

ohbenefits

yes

ohgen\_supv

| Project Class                                    | od<br>sification                 | ***** Class Codes ***** |                        |             |  |  |
|--|----------------------------------|-------------------------|------------------------|-------------|--|--|
| Project Class<br>Class Code                      | Sillocation                      | Value                   |                        |             |  |  |
| sset Location                                    |                                  | AS-Duilt                |                        |             |  |  |
| Jtility Account                                  |                                  |                         |                        |             |  |  |
| Exp Type   |                                  |                         |                        |             |  |  |
| Est Charge Type                                  | Retirement Unit                  | Job task                | Dollars                | Quantit     |  |  |
|  |                                  | ,                       |                        |             |  |  |
| ed in Unitization:                               |                                  |                         |                        |             |  |  |
| 901-043021 JACKSON CTY/LEE'S SU                  | MMIT OFFIC                       |                         |                        |             |  |  |
| 376100-Mains - Steel                             | (#                               |                         |                        |             |  |  |
| Retirement                                       |                                  |                         |                        |             |  |  |
| Contract Payroll                                 | Mains-Steel 2"                   |                         | \$35.77                |             |  |  |
|  |                                  |                         |                        |             |  |  |
| Sec. 19  |                                  |                         |                        |             |  |  |
|  |                                  |                         | 2                      |             |  |  |
| Operator Mode                                    | Maine Oten LOW                   |                         | 64.070.40              |             |  |  |
| Contractor Work                                  | Mains-Steel 2"                   |                         | \$4,376.46             |             |  |  |
| Department Clearings                             | Mains-Steel 2"<br>Mains-Steel 2" |                         | \$52.58<br>\$31.48     | - 28        |  |  |
| Overheads Capitalized - Benefits                 | Mains-Steel 2"                   |                         | \$31.48                |             |  |  |
| Overheads Capitalized - General<br>Payroll Taxes | Mains-Steel 2"                   |                         | \$2,672.97<br>\$5.44   |             |  |  |
| Retirement Value                                 | Mains-Steel 2"                   |                         | \$5.44<br>\$1,563.99   | 1,03        |  |  |
| Retirement Value                                 | Mains-Steel 2"                   |                         |                        | 62          |  |  |
| Retirement Value                                 | Mains-Steel 2"                   |                         | \$1,909.75<br>\$265.97 | 21          |  |  |
| Retirement Value                                 | Mains-Steel 2"                   |                         | ROSE DA A CHEMIN III   |             |  |  |
| Retirement Value                                 | Mains-Steel 2"                   |                         | \$2,586.36<br>\$430.57 | 2,039<br>53 |  |  |
| Retirement Value                                 | Mains-Steel 2"                   |                         | \$430.57<br>\$516.76   | 60          |  |  |
| Retirement value                                 | Mains-Steel 2                    |                         |                        |             |  |  |
|  |                                  | Retirement Total:       | \$14,448.10            | 5,048       |  |  |
| 376300-Mains - Plastic                           |                                  |                         |                        |             |  |  |
| Addition   |                                  |                         |                        |             |  |  |
| Contract Payroll                                 | Mains-Plastic 4"                 |                         | \$3,934.70             | (           |  |  |
| Contract Payroll                                 | Mains-Plastic 2"                 |                         | \$4,578.56             |             |  |  |
| Contractor Work                                  | Mains-Plastic 4"                 |                         | \$81,063.09            | (           |  |  |
| Contractor Work                                  | Mains-Plastic 2"                 |                         | \$159,954.85           | (           |  |  |
| Department Clearings                             | Mains-Plastic 2"                 |                         | \$6,730.48             | (           |  |  |
| Department Clearings                             | Mains-Plastic 4"                 |                         | \$5,784.01             |             |  |  |
| Overheads Capitalized - Benefits                 | Mains-Plastic 4"                 |                         | \$3,462.54             | (           |  |  |
| Overheads Capitalized - Benefits                 | Mains-Plastic 2"                 |                         | \$4,029.13             |             |  |  |
| Overheads Capitalized - General                  | Mains-Plastic 2"                 |                         | \$103,991.00           | , 11 = 30   |  |  |
| Overheads Capitalized - General                  | Mains-Plastic 4"                 |                         | \$52,868.75            |             |  |  |
| Payroll Taxes                                    | Mains-Plastic 2"                 |                         | \$695.94               |             |  |  |
| Payroll Taxes                                    | Mains-Plastic 4"                 |                         | \$598.07               |             |  |  |
| Stores   | Mains-Plastic 4"                 |                         | \$5,007.11             | 1,111       |  |  |
| Stores   | Mains-Plastic 2"                 |                         | \$9,824.16             | 4,59        |  |  |
|  |                                  | Addition Total:         | \$442,522.39           | 5,712       |  |  |
| Retirement                                       | 2020-0                           |                         |                        |             |  |  |
| Contract Payroll                                 | Mains-Plastic 4"                 |                         | \$35.77                | (           |  |  |
| Contract Payroll                                 | Mains-Plastic 2"                 |                         | \$35.77                | (           |  |  |
| Contractor Work                                  | Mains-Plastic 2"                 |                         | \$5,085.76             | 30          |  |  |
| Contractor Work                                  | Mains-Plastic 4"                 |                         | \$4,363.92             | (           |  |  |
| Department Clearings                             | Mains-Plastic 4"                 |                         | \$52.58                |             |  |  |
| Department Clearings                             | Mains-Plastic 2"                 |                         | \$52.58                | (           |  |  |
| Overheads Capitalized - Benefits                 | Mains-Plastic 4"                 |                         | \$31.48                | (           |  |  |

| Asset Location                                 | A1               |            |        |             |          |
|--|------------------|------------|--------|-------------|----------|
| Utility Account                                |                  |            |        |             |          |
| Ехр Туре                                       |                  |            |        |             |          |
| Est Charge Type                                | Retirement Unit  | Job ta     | ask    | Dollars     | Quantity |
|  | 2                |            |        |             |          |
| sed in Unitization:                            |                  |            |        |             |          |
| 901-043021 JACKSON CTY/LEE'S SU                | MMIT OFFIC       |            |        |             |          |
| 376300-Mains - Plastic                         |                  |            |        |             |          |
| Retirement                                     |                  |            |        |             |          |
| Overheads Capitalized - Benefits               | Mains-Plastic 2" |            |        | \$31.48     |          |
| Overheads Capitalized - General                | Mains-Plastic 2" |            |        | \$3,109.91  |          |
| Overheads Capitalized - General                | Mains-Plastic 4" |            |        | \$2,665.32  |          |
| Payroll Taxes                                  | Mains-Plastic 2" |            |        | \$5.44      | (        |
| Payroll Taxes                                  | Mains-Plastic 4" |            |        | \$5.44      |          |
| Retirement Value                               | Mains-Plastic 2" |            |        | \$1,238.84  | 5        |
| Retirement Value                               | Mains-Plastic 2" |            |        | \$94.39     | 23       |
| Retirement Value                               | Mains-Plastic 2" |            |        | \$1,333.53  | 300      |
| Retirement Value                               | Mains-Plastic 4" |            |        | \$72.16     |          |
| Retirement Value                               | Mains-Plastic 2" |            |        | \$36.42     | (        |
| Stores   | Mains-Plastic 2" |            |        | \$7.00      | (        |
|  |                  | Retirement | Total: | \$18,257.79 | 39       |
| 380100-Services - Steel                        |                  |            | - (    |             |          |
| Retirement                                     |                  |            |        |             |          |
| Contractor Work                                | Services-Steel   |            |        | \$405.35    |          |
| Overheads Capitalized - General                | Services-Steel   |            |        | \$247.26    |          |
| Retirement Value                               | Services-Steel   |            |        | \$77.60     | 30       |
|  |                  | Retirement | Total: | \$730.21    | 30       |
| 200200 Carriage Digatic & Conner               |                  | Rottomone  | Totan  | Ψ100121     |          |
| 380200-Services - Plastic & Copper<br>Addition |                  |            |        |             |          |
|  | Services-Plastic |            |        | \$3,577.00  |          |
| Contract Payroll                               |                  |            |        |             |          |
| Contractor Work                                | Services-Plastic |            |        | \$7,461.30  | 10,1     |
| Department Clearings                           | Services-Plastic |            |        | \$5,258.19  | - 1      |
| Overheads Capitalized - Benefits               | Services-Plastic |            |        | \$3,147.76  |          |
| Overheads Capitalized - General                | Services-Plastic |            |        | \$5,294.71  | - 3      |
| Payroll Taxes                                  | Services-Plastic |            |        | \$543.70    | (        |
| Stores   | Services-Plastic |            |        | \$673.20    | 793      |
|  |                  | Addition   | Total: | \$25,955.86 | 79:      |
| Retirement                                     |                  |            |        |             |          |
| Contractor Work                                | Services-Plastic |            |        | \$405.35    | I (      |
| Overheads Capitalized - General                | Services-Plastic |            |        | \$247.26    |          |
| Retirement Value                               | Services-Plastic |            |        | \$216.51    | 2        |
| Retirement Value                               | Services-Plastic |            |        | \$30.77     | 4        |
| Retirement Value                               | Services-Plastic |            |        | \$112.64    | 1        |
| Retirement Value                               | Services-Plastic |            |        | \$101.37    | 1        |
| Retirement Value                               | Services-Plastic |            |        | \$124.28    | 1        |
| Retirement Value                               | Services-Plastic |            |        | \$751.38    | 24       |
| Retirement Value                               | Services-Plastic |            |        | \$3,395.66  | 327      |
| Retirement Value                               | Services-Plastic |            |        | \$498.41    | 5        |
| Retirement Value                               | Services-Plastic |            |        | \$116.48    | 1-       |
| Retirement Value                               | Services-Plastic |            |        | \$5.11      | 3        |
| Retirement Value                               | Services-Plastic |            |        | \$120.77    | 2:       |
|  |                  |            |        | 21.01.00    | 40       |
| Retirement Value                               | Services-Plastic |            |        | \$982.31    | 108      |

6/17/19 12:51pm

| Asset Location                 |   | **** As-Built ****   | .,            |          |                  |  |
|--------------------------------|---|--|---------------|----------|------------------|--|
| Utility Account                |   |  |               |          |                  |  |
| Exp Type                       |   |  |               |          |                  |  |
| Est Charge Type                | Retirement Unit   |  | Job task      |          | Dolla            | ars Quantity   |
|                                |   |  |               |          | 74 g2 =          | 1  |
| sed in Unitization:            |   |  |               |          |                  |  |
| 0901-043021 JACKSON CTY/I      |   |  |               |          |                  |  |
| 380200-Services - Plastic & Co | opper   |  |               | 9        |                  |  |
| Retirement                     |   |  |               |          | 200              |  |
| Retirement Value               | Services-Plastic  |  |               |          | \$10.            |  |
| Retirement Value               | Services-Plastic  |  |               |          | \$418.           |  |
| Retirement Value               | Services-Plastic  |  |               |          | \$28.            |  |
| Retirement Value               | Services-Plastic  |  |               |          | \$1,650.         |  |
| Retirement Value               | Services-Plastic  |  |               |          | \$21.            |  |
| Retirement Value               | Services-Plastic  |  |               |          | \$261.           |  |
| Retirement Value               | Services-Plastic  |  |               |          | \$55.            |  |
| Retirement Value               | Services-Plastic  |  |               |          | \$69.            |  |
| Retirement Value               | Services-Plastic  |  |               |          | \$46.            |  |
| Retirement Value               | Services-Plastic  |  |               |          | \$377.           |  |
| Retirement Value               | Services-Plastic  |  |               |          | \$813.           | posts.   |
| -                              |   | R  | etirement Tot | al:      | \$11,425.        | 60 1,274   |
|                                |   | <b>Addition Dollars</b>  | Add Q         |          | Retirement Dolla |  |
|                                | Location Total:   | \$468,478.25   | 6,50          | 15       | \$44,861.7       | 70 6,744   |
|                                |   | Addition Dollars   | Add Q         | tv       | Retirement Dolla | rs Retire Qty  |
|                                | Used in Unitization:  | \$468,478.25   | 6,50          |          | \$44,861.7       | The state of the s |
|                                | - 11  | Addition Dollars   | Add Q         | hv       | Retirement Dolla | rs Retire Qty  |
|                                | Unit Estimate Total:  | \$468,478.25   | 6,50          |          | \$44,861.7       |  |
|                                | The second control of | and the second s |               |          | 70000            |  |
|                                | ACCOUNT   | k Order Retirements  | ****          |          |                  |  |
| Susiness Segment               | GL Account  |  |               |          |                  |  |
| Asset Location Utility Account |   |  |               |          |                  |  |
| Retirement Unit                |   |  |               | Activity |                  |  |
| <b>Asset Description</b>       |   |  | Vintage       |          | Retire Qty I     | Retirement Amount  |
| sted Retirements:              |   |  |               |          |                  |  |
| lissouri West                  | 101000::Gas Plant   | t in Service   |               |          |                  |  |
| 0901-043021 JACKSON CTY/       | LEE'S SUMMIT OFFIC  |  |               |          |                  |  |
| 376100-Mains - Steel           |   |  |               |          |                  | (3)  |
| Mains-Steel 2                  | "   |  |               |          |                  |  |
| OCR                            |   |  | 1952          | URET     | 601              | \$516.76   |
|                                |   |  |               |          |                  |  |
|                                |   |  |               |          |                  |  |
|                                | E .   |  |               |          |                  |  |
|                                |   |  |               |          |                  |  |
| OCR                            |   |  | 1953          | URET     | 534              | \$430.57   |
| OCR                            |   |  | 1960          | URET     | 2,039            | \$2,586.36   |
| OCR                            |   |  | 1961          | URET     | 1,031            | \$1,563.99   |
| OCR                            |   |  | 1963          | URET     | 216              | \$265.97   |
| OCR                            |   |  | 1991          | URET     | 624              | \$1,909.75   |
| (MC10090.00                    |   |  | Utility Accou |          | 5,045            | \$7,273.40   |
| 376300-Mains - Plastic         |   |  | July Moodu    | rotan    | 0,040            | ¥1,210.40  |
| Mains-Plastic                  | 2"  |  |               |          |                  |  |
|                                |   |  |               |          |                  |  |
| OCR                            |   |  | 1986          | URET     | 23               | \$94.39  |

| ***** Work Order Retiren                   |               |            |   |   |
|--|---------------|------------|---|---|
| Business Segment GL Account Asset Location |               |            |   |   |
| Utility Account                            |               |            |   |   |
| Retirement Unit                            |               | Activity   |   |   |
| Asset Description                          | Vintage       | Code       | Retire Qty                              | Retirement Amount                       |
| osted Retirements:                         |               |            |   |   |
| Alssouri West 101000::Gas Plant in Service |               |            |   |   |
| 0901-043021 JACKSON CTY/LEE'S SUMMIT OFFIC |               |            |   |   |
| 376300-Mains - Plastic                     |               |            |   |   |
| Mains-Plastic 2"                           |               |            |   |   |
| OCR  | 1991          | URET       | 300                                     | \$1,333.53                              |
| OCR  | 2004          | URET       | 6                                       | \$36.42                                 |
| OCR  | 2015          | URET       | 57                                      | \$1,238.84                              |
| Mains-Plastic 4"                           |               |            |   |   |
| OCR  | 2004          | URET       | 9                                       | \$72.16                                 |
|  | Utility Accou | ınt Total: | 395                                     | \$2,775.34                              |
| 380100-Services - Steel                    |               |            | 100000000000000000000000000000000000000 | • |
| Services-Steel                             |               |            |   |   |
| OCR  | 1961          | URET       | 30                                      | \$77.60                                 |
| JUN  |               |            | 30                                      | \$77.60                                 |
|  | Utility Accou | int iotai. | 30                                      | \$17.00                                 |
| 380200-Services - Plastic & Copper         |               |            |   |   |
| Services-Plastic                           |               | 1010-75-00 | 25 24/21                                | ****                                    |
| OCR  | 1974          | URET       | 41                                      | \$30.77                                 |
| OCR  | 1977          | URET       | 41                                      | \$21.79                                 |
| OCR  | 1978          | URET       | 37                                      | \$5.11                                  |
| OCR  | 1981          | URET       | 6                                       | \$46.56                                 |
| OCR  | 1982          | URET       | 15                                      | \$101.37                                |
| OCR  | 1983          | URET       | 9                                       | \$55.67                                 |
| OCR  | 1984          | URET       | 42                                      | \$261.08<br>\$69.15                     |
| OCR  | 1986<br>1987  | URET       | 20<br>4                                 | \$10.96                                 |
| OCR<br>OCR                                 | 1988          | URET       | 101                                     | \$418.81                                |
| OCR  | 1989          | URET       | 104                                     | \$813.03                                |
| OCR  | 1990          | URET       | 14                                      | \$116.48                                |
| OCR  | 1991          | URET       | 54                                      | \$377.63                                |
| OCR  | 1992          | URET       | 15                                      | \$124.28                                |
| OCR  | 1993          | URET       | 148                                     | \$1,650.09                              |
| OCR  | 1994          | URET       | 4                                       | \$28.04                                 |
| OCR  | 1995          | URET       | 23                                      | \$120.77                                |
| OCR  | 1996          | URET       | 13                                      | \$112.64                                |
| OCR  | 1997          | URET       | 105                                     | \$982.31                                |
| OCR  | 1998          | URET       | 327                                     | \$3,395.66                              |
| OCR  | 2000          | URET       | 56                                      | \$498.41                                |
| OCR  | 2002          | URET       | 50                                      | \$564.49                                |
| OCR  | 2005          | URET       | 21                                      | \$216.51                                |
| OCR  | 2014          | URET       | 24                                      | \$751.38                                |
|  | Utility Accou |            | 1,274                                   | \$10,772.99                             |
|  | V8/A          | on Total:  | 6,744                                   | \$20,899.33                             |
|  |               |            | 7,845,850,850                           |   |
|  | GL Accou      |            | 6,744                                   | \$20,899.33                             |
|  | Posted Reti   | rements:_  | 6,744                                   | \$20,899.33                             |
|  | Work Ord      | ler Total: | 6,744                                   | \$20,899.33                             |

6/17/19 12:51pm

Page 6 of 6

**Header Detail** 

Work Order: 802358

Work Order Title: Repl 385F 2P River & Euclid - Leak

Wo Type Description: WO-Replacement Mains & Svcs MGE

Work Order Group:

**Current Revision: 1** 

Funding Project: F0572

Funding Project Desc: Main Replacement - ISRS (SW)

Reason Code: Safety

Eligible for AFUDC yes

Eligible for CPI: yes

WO Description:Install ~ 385 Ft of 2 in PL LP Main due to #3 leak due on 3/19/19on Euclid Blvd W River St in Carthage.

Major Location: 0601-Carthage

Asset Location: 0601-044025 JASPER CTY/CARTHAGE

Estimated Start Date: Nov 26, 2018

Estimated Completion Date: Dec 07, 2018

Estimated In-Service Date:

Department Description: Region 2B - SW Missouri - Distribution - Union Budget Description: Replace bare steel main - safety re

Company: Spire Missouri Inc.

Status: completed

Business Segment: Missouri West

Department Code: 20921

Est. Annual Revenue:

Reimbursement Type: None

Retirement Type:

Functional Class: Distribution Plant

Dec 07, 2018

Notes: Abandon ~ 3 Ft of 2 in PL LP Main and 403 Ft of 2 in ST LP Mainat same location in Carthage. Total Service Tie-Overs: 8.

ISRS Recoverable due to vintage year of pipe.

Reason for Work (Justification)

| Level                   | Approver           |  | Approval Limit | Date Approved |
|-------------------------|--------------------|--|----------------|---------------|
| Operational Accounting  | Muehlenkamp, Anne  |  | \$0            | 1/21/2019     |
| Engineering Review-Dist | § Hoeferlin, Craig |  | \$0            | 2/7/2019      |
| VP Field Operations-MGE | Goodson, Timothy   |  | \$1,000,000    | 2/8/2019      |

| ***** Unit Estimate ***** |             |              |                       |                     |         |  |  |  |
|---------------------------|-------------|--------------|-----------------------|---------------------|---------|--|--|--|
| Utility Account           | Additions   | Removal Cost | Total<br>Expenditures | Retirement<br>Value | Salvage |  |  |  |
| 376100-Mains - Steel      | \$0.00      | \$178.36     | \$178.36              | \$0.00              | \$0.00  |  |  |  |
| 376300-Mains - Plastic    | \$18,875.10 | \$477.55     | \$19,352.65           | \$0.00              | \$0.00  |  |  |  |
| Total Estimated Costs:    | \$18,875.10 | \$655.91     | \$19,531.01           | \$0.00              | \$0.00  |  |  |  |

|   | ****             | Unit Estimate ***** |         | 71         |         |            |
|---|------------------|---------------------|---------|------------|---------|------------|
| sset Location Utility Account Retirement Unit Est. Chg Type | Addition Dollars | Retirement Dollars  | Add Qty | Retire Qty | Add Hrs | Retire Hrs |
| 0601-044025 JASPER CTY/CARTHA                               |                  | = 1                 |         |            |         | 76         |
| 376300-Mains - Plastic                                      |                  |                     |         |            |         |            |
| Mains-Plastic 2"  |                  |                     |         |            |         |            |
| Contract Payroll  | \$500.78         | \$35.77             | 0       | 0          | 0       |            |
| Contractor Work   | \$10,093.07      | \$214.99            | 0       | 0          | 0       | 5. 4. 5.10 |
| Department Clearings  | \$736.15         | \$52.58             | 0       | o o        | 0       | (          |
| Overheads Capitalized - Benefits                            | \$440.69         | \$31.48             | 0       | 0          | 0       |            |
| Overheads Capitalized - General                             | \$6,515.90       | \$135.54            | 0       | 0          | 0       | 0          |
| Payroll Taxes   | \$76.12          | \$5.44              | 0       | 0          | 0       |            |
| Retirement Value  | \$0.00           | \$0.00              | 0       | 3          | 0       | C          |
| Stores  | \$512.39         | \$1.75              | 385     | 0          | 0       | C          |
| SubTotal Utility Account:                                   | \$18,875.10      | \$477.55            | 385.00  | 3.00       | 0.00    | 0.00       |
| 376100-Mains - Steel  |                  |                     |         |            |         |            |
| Mains-Steel 2"  |                  |                     |         |            |         |            |
| Contract Payroll  | \$0.00           | \$35.77             | 0       | 0          | 0       | C          |
| Contractor Work   | \$0.00           | \$30.91             | 0       | 0          | 0       | C          |
| Department Clearings  | \$0.00           | \$52.58             | 0       | 0          | 0       | C          |
| Overheads Capitalized - Benefits                            | \$0.00           | \$31.48             | 0       | 0          | 0       | C          |
| Overheads Capitalized - General                             | \$0.00           | \$22.18             | 0       | 0          | 0       | C          |
| Payroll Taxes   | \$0.00           | \$5.44              | 0       | 0          | 0       | C          |
| Retirement Value  | \$0.00           | \$0.00              | 0       | 403        | 0       | C          |
| SubTotal Utility Account:                                   | \$0.00           | \$178.36            | 0.00    | 403.00     | 0.00    | 0.00       |
| SubTotal Location:  | \$18,875.10      | \$655.91            | 385.00  | 406.00     | 0.00    | 0.00       |
| Total Unit Estimate:  | \$18,875.10      | \$655.91            | 385     | 406        | 0       | 0          |

| ***** Class Codes ***** |                        |  |  |  |  |  |
|-------------------------|------------------------|--|--|--|--|--|
|                         | Class Code             |  | Value  |  |  |  |
|                         | cap_expense            |  | capital  |  |  |  |
|                         | ISRS Reason            |  | 08 - Cast Iron or Bare Steel Replacement - Lea |  |  |  |
| =                       | isrs_recov             |  | yes  |  |  |  |
|                         | ohbenefits             |  | yes  |  |  |  |
|                         | ohgen_supv             |  | yes  |  |  |  |
|                         | prod_nonprod           |  | prod   |  |  |  |
|                         | Project Classification |  | both   |  |  |  |

|                                  |                                  | **** As-Built ****  |                  |                    |            |
|----------------------------------|----------------------------------|---|------------------|--------------------|------------|
| Asset Location                   |                                  | 1   |                  |                    |            |
| Utility Account                  |                                  |   |                  |                    |            |
| Ехр Туре                         | *                                |   |                  |                    |            |
| Est Charge Type                  | Retirement Unit                  |   | Job task         | Dollars            | Quantity   |
|                                  |                                  |   |                  |                    |            |
| vailable for Unitization:        |                                  |   | *                |                    |            |
| 0601-044025 JASPER CTY/CARTHAGE  | ≣                                |   |                  |                    |            |
| 376100-Mains - Steel             | , t.                             |   |                  |                    |            |
| Retirement                       |                                  |   |                  |                    | 4          |
| Contract Payroll                 | Mains-Steel 2"                   |   |                  | \$393.47           | 0          |
| Contractor Work                  | Mains-Steel 2"                   |   |                  | \$11.58            | 0          |
| Department Clearings             | Mains-Steel 2"                   | 1.  |                  | \$578.40           | 0          |
| Overheads Capitalized - Benefits | Mains-Steel 2"                   |   |                  | \$346.25           | 0          |
| Overheads Capitalized - General  | Mains-Steel 2"                   |   |                  | \$43.66            | 0          |
| Payroll Taxes                    | Mains-Steel 2"                   |   |                  | \$59.81            | 0          |
| Retirement Value                 | Mains-Steel 2"                   |   |                  | \$476.97           | 406        |
| 1 1 1 1                          | altra a Maria                    | Re  | etirement Total: | \$1,910.14         | 406        |
| 376300-Mains - Plastic           |                                  |   |                  |                    |            |
| Addition                         |                                  |   |                  |                    |            |
| Contract Payroll                 | Mains-Plastic 2"                 |   |                  | \$429.24           | 0          |
| Contractor Work                  | Mains-Plastic 2"                 |   |                  | \$21,645.72        | 0          |
| Department Clearings             | Mains-Plastic 2"                 |   |                  | \$630.98           | 0          |
| Overheads Capitalized - Benefits | Mains-Plastic 2"                 |   |                  | \$377.73           | 0          |
| Overheads Capitalized - General  | Mains-Plastic 2"                 |   |                  | \$13,965.57        | 0          |
| Payroll Taxes                    | Mains-Plastic 2"                 |   |                  | \$65.24            | 0          |
| Stores                           | Mains-Plastic 2"                 |   |                  | \$1,183.21         | 416        |
|                                  | 1987 C 1994 FO THE TAY PROPERTY. |   | Addition Total:  | \$38,297.69        | 416        |
| Retirement                       |                                  |   |                  | 77.5,201.00        | •••        |
| Contract Payroll                 | Mains-Plastic 2"                 |   |                  | \$393.47           | 0          |
| Contractor Work                  | Mains-Plastic 2"                 |   |                  | \$187.76           | . 0        |
| Department Clearings             | Mains-Plastic 2"                 |   |                  | \$578.40           | 0          |
| Overheads Capitalized - Benefits | Mains-Plastic 2"                 |   |                  | \$346.25           | 0          |
| Overheads Capitalized - General  | Mains-Plastic 2"                 |   |                  | \$152.18           | 0          |
| Payroll Taxes                    | Mains-Plastic 2"                 |   |                  | \$59.81            | 0          |
| Retirement Value                 | Mains-Plastic 2"                 |   |                  | \$4,501.77         | 7          |
| Stores                           | Mains-Plastic 2"                 |   |                  | \$1.72             | 0          |
|                                  | Mano Fladio 2                    | D   | stiroment Totals |                    |            |
| -                                |                                  | TOTAL SECTION | etirement Total: | \$6,221.36         | 7          |
| 6                                | Landley Tatal                    | Addition Dollars  | Add Qty          | Retirement Dollars | Retire Qty |
|                                  | Location Total:                  | \$38,297.69   | 416              | \$8,131.50         | 413        |
|                                  |                                  | Addition Dollars  | Add Qty          | Retirement Dollars | Retire Qty |
| Available                        | for Unitization:                 | \$38,297.69   | 416              | \$8,131.50         | · 413      |
|                                  |                                  | Addition Dollars  | Add Qty          | Retirement Dollars | Retire Qty |
| Unit                             | Estimate Total:                  | \$38,297.69   | 416              | \$8,131.50         | 413        |

|                                       |                     | ***** Work Order Retireme    | ents *****               |            |                   |
|---------------------------------------|---------------------|------------------------------|--------------------------|------------|-------------------|
| Business Segment Asset Location       |                     | GL Account                   | к 9<br>4<br>3            |            |                   |
| Utility Accou<br>Retiremen<br>Asset D |                     |                              | Activity<br>Vintage Code | Retire Qty | Retirement Amount |
| osted Retireme                        | ents:               | e*                           |                          |            | ·                 |
| Missouri West                         |                     | 101000::Gas Plant in Service |                          |            |                   |
|                                       | JASPER CTY/CARTHAGE |                              |                          |            |                   |
| 376100-Mains                          |                     |                              |                          |            |                   |
|                                       | Mains-Steel 2"      |                              |                          |            |                   |
| OCR                                   |                     |                              | 1957 URET _              | 406        | \$476.97          |
| 1                                     |                     |                              | Utility Account Total:   | 406        | \$476.97          |
| 376300-Mains                          | s - Plastic         |                              |                          |            |                   |
|                                       | Mains-Plastic 2"    |                              |                          |            |                   |
| OCR                                   |                     |                              | 1993 URET                | 7          | \$4,501.77        |
|                                       |                     |                              | Utility Account Total:   | 7          | \$4,501.77        |
|                                       |                     |                              | Location Total:          | 413        | \$4,978.74        |
|                                       |                     |                              | GL Account Total:        | 413        | \$4,978.74        |
|                                       |                     |                              | Posted Retirements:      | 413        | \$4,978.74        |
|                                       |                     |                              | Work Order Total:        | 413        | \$4,978.74        |

6/17/19 12:51pm

Page 4 of 4

**Header Detail** 

Work Order: 801708

Work Order Title: Repl 3920F 2P 84th Belleview/Summit

Wo Type Description: WO-Replacement Mains & Svcs MGE

Work Order Group:

**Current Revision: 1** 

Funding Project: F0599 Funding Project Desc: Main Replacement - ISRS (N)

Eligible for AFUDC yes

Eligible for CPI: yes

Reason Code: Safety

Company: Spire Missouri Inc.

Business Segment: Missouri West Functional Class: Distribution Plant

Department Code: 20648

Department Description: Construction & Maintenance - Region 2A - Unio

Budget Description: Replace cast iron main - CPI / prio

Est. Annual Revenue:

Reimbursement Type: None

Retirement Type:

WO Description:Install ~3920 Ft of 2 in PL MP Main on Madison Ave, Summit St, W 84th St, and W 84th Ter.

Major Location: 0401-KC/MO - Central

Asset Location: 0401-043050 JACKSON CTY/KC

Status: posted to CPR

Estimated Start Date: May 01, 2018

Estimated Completion Date: Sep 30, 2018

Estimated In-Service Date:

Sep 30, 2018

Notes: 84th St - Belleview Ave to Summit St - BS Mandated Sec 5. Abandon 3613 Ft of 2 in ST MP Main, 273 Ft of 3 in ST MP Main on the above mentioned streets. Total Service Tie-over = 71; Total Service Replacement = 14. This main is being replaced due to a leak and CP deficiencies and as part of FY18 Bare Steel Replacement Program. Note: 39 feet of Services - Copper was deleted from the Estimate As-Built since there was nothing PowerPlan could match for retirement. - Mike Griewing

Reason for Work (Justification)

6/17/19 12:51pm

| Level                   | Approver           | Approval Limit | Date Approved |
|-------------------------|--------------------|----------------|---------------|
| Operational Accounting  | Muehlenkamp, Anne  | \$0            | 4/17/2018     |
| Engineering Review-Dist | S Hoeferlin, Craig | \$0            | 4/23/2018     |
| VP Field Operations-MGE | Hampton, Joe       | \$1,000,000    | 4/24/2018     |

| ***** Unit Estimate *****          |              |              |                       |                     |         |  |  |  |  |
|------------------------------------|--------------|--------------|-----------------------|---------------------|---------|--|--|--|--|
| Utility Account                    | Additions    | Removal Cost | Total<br>Expenditures | Retirement<br>Value | Salvage |  |  |  |  |
| 376100-Mains - Steel               | \$0.00       | \$12,521.57  | \$12,521.57           | \$0.00              | \$0.00  |  |  |  |  |
| 376300-Mains - Plastic             | \$385,360.92 | \$0.00       | \$385,360.92          | \$0.00              | \$0.00  |  |  |  |  |
| 380200-Services - Plastic & Copper | \$15,044.69  | \$1,617.35   | \$16,662.04           | \$0.00              | \$0.00  |  |  |  |  |
| Total Estimated Costs:             | \$400,405.61 | \$14,138.92  | \$414,544.53          | \$0.00              | \$0.00  |  |  |  |  |

| sset Location  |          |                  |                    |          |            |         |               |
|--|----------|------------------|--------------------|----------|------------|---------|---------------|
| Utility Account Retirement Unit                      |          |                  |                    |          |            |         |               |
| Est. Chg Type  |          | Addition Dollars | Retirement Dollars | Add Qty  | Retire Qty | Add Hrs | Retire Hrs    |
| 0401-043050 JACKSON CTY/KC                           |          |                  | ,                  |          |            | 1000    | of the second |
| 376300-Mains - Plastic                               | = 5      |                  |                    |          |            |         |               |
| Mains-Plastic 2"                                     |          |                  |                    |          | . 1        |         |               |
| Contract Payroll                                     |          | \$1,662.60 .     | \$0.00             | 0        | 0          | 0       | 0             |
| Contractor Work                                      |          | \$254,813.31     | \$0.00             | 0        | 0          | 0       | 0             |
| Department Clearings                                 |          | \$1,438.15       | \$0.00             | 0        | 0          | 0       | 0             |
| Overheads Capitalized - Be                           | nefits   | \$929.39         | \$0.00             | 0        | 0          | 0       | 0             |
| Overheads Capitalized - Ge                           | neral    | \$113,729.53     | \$0.00             | 0        | 0          | 0       | 0             |
| Payroll Taxes  |          | \$252.72         | \$0.00             | 0        | 0          | 0       | . 0           |
| Stores   |          | \$12,535.22      | \$0.00             | 3920     | 0          | 0       | 0             |
| SubTotal Utility                                     | Account: | \$385,360.92     | \$0.00             | 3,920.00 | 0.00       | 0.00    | 0.00          |
| 376100-Mains - Steel                                 |          |                  |                    |          |            |         |               |
| Mains-Steel 2"                                       |          |                  |                    |          |            |         |               |
| Contract Payroll                                     |          | \$0.00           | \$391.20           | 0        | . 0        | 0       | 0             |
| . Contractor Work                                    |          | \$0.00           | \$5,254.22         | 0        | 0          | 0       | 0             |
| Department Clearings                                 |          | \$0.00           | \$338.39           | 0        | 0          | 0       | 0             |
| Overheads Capitalized - Be                           | nefits   | \$0.00           | \$218.68           | 0        | 0          | 0       | . 0           |
| Overheads Capitalized - Ge                           | neral    | \$0.00           | \$3,416.73         | 0        | 0          | 0       | 0             |
| Payroll Taxes  |          | \$0.00           | \$59.46            | 0        | 0          | 0       | 0             |
| Retirement Value                                     |          | \$0.00           | \$0.00             | 0        | 3613       | 0       | 0             |
| Stores   |          | \$0.00           | \$2,726.24         | 0        | 0          | 0       | 0             |
| Mains-Steel 3"                                       |          |                  |                    |          |            |         |               |
| Contract Payroll                                     |          | \$0.00           | \$32.60            | 0        | 0          | 0       | 0             |
| Contractor Work                                      |          | \$0.00           | \$21.46            | 0        | 0          | 0       | 0             |
| Department Clearings                                 |          | \$0.00           | \$28.20            | 0        | 0          | 0       | 0             |
| Overheads Capitalized - Be                           | nefits   | \$0.00           | \$18.22            | 0        | 0          | 0       | 0             |
| Overheads Capitalized - Ge                           | neral    | \$0.00           | \$11.21            | 0        | 0          | 0       | 0             |
| Payroll Taxes  |          | \$0.00           | \$4.96             | 0        | 0          | 0       | 0             |
| Retirement Value                                     |          | \$0.00           | \$0.00             | 0        | 273        | 0       | 0             |
| SubTotal Utility A                                   | Account: | \$0.00           | \$12,521.57        | 0.00     | 3,886.00   | 0.00    | 0.00          |
| 380200-Services - Plastic & Copy<br>Services-Plastic |          |                  | 9. I               | _        |            |         |               |
| Contractor Work                                      |          | \$9,655.80       | \$1,134.98         | 0        | 0          | 0       | 0             |
| Overheads Capitalized - Ge                           | neral    | \$4,487.01       | \$482.37           | 0        | 0          | 0       | 0             |
| Stores   |          | \$901.88         | \$0.00             | 0        | 0          | 0       | 0             |
| SubTotal Utility A                                   | Account: | \$15,044.69      | \$1,617.35         | 0.00     | 0.00       | 0.00    | 0.00          |
| SubTotal L   |          | \$400,405.61     | \$14,138.92        | 3,920.00 | 3,886.00   | 0.00    | 0.00          |
| Total Unit E   |          | \$400,405.61     | \$14,138.92        | 3,920    | 3,886      | 0       | 0             |

| Cla                        | Work Order 7            | ΔίτθηδρίΣαττοπ*Iñformation<br>Value   | 11           |            |
|----------------------------|-------------------------|---------------------------------------|--------------|------------|
|                            |                         |                                       | . 19         |            |
|                            | _expense                | capital                               | aut 1 au     |            |
| . " .                      | S Reason                | 08 - Cast Iron or Bare Steel Replacem | ient - Lea   |            |
|                            | recov                   | yes                                   |              |            |
|                            | enefits                 | yes                                   |              |            |
|                            | en_sup <b>v</b>         | yes                                   |              |            |
|                            | d_nonprod               | prod                                  |              |            |
| Proj                       | ect Classification      | both                                  |              | No. il sin |
| Asset Location             | **                      | **** As-Built *****                   | 13-11        | 1 1 1 1 1  |
| Utility Account            |                         |                                       |              |            |
| Exp Type                   |                         |                                       |              |            |
| Est Charge Type            | Retirement Unit         | Job task                              | Dollars      | Quantity   |
|                            |                         |                                       |              |            |
| Ised in Unitization:       |                         |                                       |              |            |
| 0401-043050 JACKSON CTY/K  | С                       |                                       |              |            |
| 376100-Mains - Steel       |                         |                                       |              |            |
| Retirement                 |                         |                                       |              |            |
| Contract Payroll           | Mains-Steel 3"          |                                       | \$35.77      | 0          |
|                            |                         |                                       |              |            |
|                            |                         |                                       |              |            |
|                            |                         |                                       |              |            |
| Contract Payroll           | Mains-Steel 2"          |                                       | \$71.54      | 0          |
| Contractor Work            | Mains-Steel 2"          |                                       | \$8,302.58   | 0          |
| Contractor Work            | Mains-Steel 3"          |                                       | \$2,497.68   | 0          |
| Department Clearings       | Mains-Steel 2"          |                                       | \$105.16     | 0          |
| Department Clearings       | Mains-Steel 3"          |                                       | \$52.58      |            |
| Overheads Capitalized - Be | nefits Mains-Steel 2"   |                                       | \$62.96      | 0          |
| Overheads Capitalized - Be |                         |                                       | \$31.48      | 0          |
| Overheads Capitalized - Ge |                         |                                       | \$1,526.91   | 0          |
| Overheads Capitalized - Ge |                         |                                       | \$5,474.17   | 0          |
| Payroll Taxes              | Mains-Steel 2"          |                                       | \$10.87      | 0          |
| Payroll Taxes              | Mains-Steel 3"          |                                       | \$5.44       | 0          |
| Retirement Value           | Mains-Steel 2"          |                                       | \$1,556.46   | 1,443      |
| Retirement Value           | Mains-Steel 3"          |                                       | \$152.66     | 124        |
| Retirement Value           | Mains-Steel 2"          |                                       | \$396.01     | 379        |
| Retirement Value           | Mains-Steel 2"          |                                       | \$109.57     | 104        |
| Retirement Value           | Mains-Steel 2"          |                                       | \$64.09      | 54         |
| Retirement Value           | Mains-Steel 2"          |                                       | \$112.72     | 86         |
| Retirement Value           | Mains-Steel 2"          | 4                                     | \$395.34     | 132        |
| Retirement Value           | Mains-Steel 2"          |                                       | \$823.79     | 1,020      |
| Retirement Value           | Mains-Steel 2"          |                                       | \$334.82     | 445        |
| Retirement Value           | Mains-Steel 3"          |                                       | \$172.56     | 139        |
| Stores                     | Mains-Steel 2"          |                                       | \$660.56     | 0          |
|                            |                         | Retirement Total:                     | \$22,955.72  | 3,926      |
| 376300-Mains - Plastic     |                         | 1-3                                   |              |            |
| Addition                   |                         |                                       |              |            |
| Contract Payroll           | Mains-Plastic 2"        |                                       | \$143.08     | 0          |
| Contractor Work            | Mains-Plastic 2"        |                                       | \$148,859.91 | 0          |
| Department Clearings       | Mains-Plastic 2"        |                                       | \$210.33     | C          |
| Overheads Capitalized - Be | nefits Mains-Plastic 2" |                                       | \$125.91     | 0          |
| Overheads Capitalized - Ge | eneral Mains-Plastic 2" |                                       | \$99,474.43  | 0          |
| Payroll Taxes              | Mains-Plastic 2"        |                                       | \$21.75      | 0          |

|                                    |                                  | **** As-Built | ****       |                |   |            |
|------------------------------------|----------------------------------|---------------|------------|----------------|---|------------|
| Asset Location                     |                                  | 11.7          |            |                |   |            |
| Utility Account                    |                                  |               |            |                |   |            |
| Exp Type                           | - · · · · · · ·                  |               | \$10\$ 0g0 | 508 <b>2</b> 3 |   |            |
| Est Charge Type                    | Retirement Unit                  |               | Job ta     | isk            | Dollars                                 | Quantity   |
|                                    |                                  |               |            |                |   |            |
| Jsed in Unitization:               |                                  |               |            |                |   |            |
| 0401-043050 JACKSON CTY/KC         |                                  |               |            |                |   |            |
| 376300-Mains - Plastic             |                                  |               |            |                |   |            |
| Addition<br>Stores                 | Mains-Plastic 2"                 |               |            |                | \$14,191.11                             | 3,890      |
| Stores                             | Mairis-Plastic 2                 |               |            | ~              |   |            |
|                                    |                                  |               | Addition   | Iotal:         | \$263,026.52                            | 3,890      |
| 380100-Services - Steel            |                                  |               |            |                |   |            |
| Retirement                         | 0                                |               |            |                | 604.07                                  |            |
| Contractor Work                    | Services-Steel                   |               |            |                | \$81.07                                 | 0          |
| Overheads Capitalized - General    | Services-Steel                   |               |            |                | \$49.45                                 | 0          |
| Retirement Value                   | Services-Steel                   |               |            |                | \$3.06                                  | 7          |
| Retirement Value                   | Services-Steel<br>Services-Steel |               |            |                | \$7.29<br>\$3.03                        | 10<br>6    |
| Retirement Value                   |                                  |               |            |                |   |            |
| Retirement Value                   | Services-Steel<br>Services-Steel |               |            |                | \$50.94<br>\$413.67                     | 37<br>275  |
| Retirement Value                   |                                  |               |            |                | \$413.67<br>\$29.17                     | 34         |
| Retirement Value                   | Services-Steel                   |               |            |                | • | 1,0,000 pt |
|                                    |                                  |               | Retirement | Total:         | \$637.68                                | 369        |
| 380200-Services - Plastic & Copper |                                  |               |            |                |   |            |
| Addition                           |                                  |               |            |                |   | 1 1 1      |
| Contract Payroll                   | Services-Plastic                 | ·             |            |                | \$35.77                                 | 0          |
| Contractor Work                    | Services-Plastic                 |               |            |                | \$2,836.15                              | 0          |
| Department Clearings               | Services-Plastic                 |               |            |                | \$52.58                                 | 0          |
| Overheads Capitalized - Benefits   | Services-Plastic                 |               |            |                | \$31.48                                 | 0          |
| Overheads Capitalized - General    | Services-Plastic                 |               |            |                | \$1,856.57                              | 0          |
| Payroll Taxes                      | Services-Plastic                 |               |            |                | \$5.44                                  | 0          |
| Stores                             | Services-Plastic                 |               | V I        | 80 50          | \$201.96                                | 718        |
| 37                                 |                                  |               | Addition   | Total:         | \$5,019.95                              | 718        |
| Retirement                         |                                  |               |            |                | 1.0                                     | · II       |
| Contractor Work                    | Services-Plastic                 |               |            |                | \$162.14                                | 0          |
| Overheads Capitalized - General    | Services-Plastic                 |               |            |                | \$98.91                                 | 0          |
| Retirement Value                   | Services-Plastic                 |               |            |                | \$317.45                                | 46         |
| Retirement Value                   | Services-Plastic                 |               |            |                | \$237.64                                | 30         |
| Retirement Value                   | Services-Plastic                 |               |            |                | \$70.36                                 | 16         |
| Retirement Value                   | Services-Plastic                 |               |            |                | \$372.23                                | 31         |
| Retirement Value                   | Services-Plastic                 |               |            |                | \$1,030.43                              | 106        |
| Retirement Value                   | Services-Plastic                 |               |            |                | \$2,398.73                              | 273        |
| Retirement Value                   | Services-Plastic                 |               |            |                | \$162.02                                | 22         |
| Retirement Value                   | Services-Plastic                 |               |            |                | \$67.49                                 | 7          |
| Retirement Value                   | Services-Plastic                 |               |            |                | \$391.65                                | 41         |
| Retirement Value                   | Services-Plastic                 |               |            |                | \$286.73                                | 16         |
| Retirement Value                   | Services-Plastic                 |               |            |                | \$89.02                                 | 20         |
| Retirement Value                   | Services-Plastic                 |               |            |                | \$111.89                                | 11         |
| Retirement Value                   | Services-Plastic                 |               |            |                | \$268.95                                | 11         |
| Retirement Value                   | Services-Plastic                 |               |            |                | \$97.61                                 | 9          |
| Retirement Value                   | Services-Plastic                 |               |            |                | \$306.20                                | 28         |
| Retirement Value                   | Services-Plastic                 |               |            |                | \$78.85                                 | 19         |
| Retirement Value                   | Services-Plastic                 |               |            |                | \$2,383.00                              | 184        |
| Retirement Value                   | Services-Plastic                 |               |            |                | \$35.69                                 | 4          |

|   |                      | **** As-Built ***** |   |  |  |   |
|---|----------------------|---------------------|---|--|--|---|
| Asset Location Utility Account                    |                      |                     | 42.13   | *  | -  |   |
| Exp Type  | Delizement Unit      |                     | lah taal  |  | Della  | Overetite   |
| Est Charge Type                                   | Retirement Unit      |                     | Job task  |  | Dolla  | ars Quantity  |
|   |                      |                     |   |  |  |   |
| Jsed in Unitization:                              |                      |                     |   |  |  |   |
| 0401-043050 JACKSON CTY/KC                        |                      |                     |   |  |  |   |
| 380200-Services - Plastic & Coppe                 | er -                 |                     |   |  |  |   |
| Retirement  |                      |                     |   | 8  |  | ri<br>Tara  |
| Retirement Value                                  | Services-Plastic     |                     |   |  | \$156.   |   |
| Retirement Value                                  | Services-Plastic     |                     |   |  | \$389.   | .48 30  |
| Retirement Value                                  | Services-Plastic     |                     |   |  | \$89.  | .95 7   |
|   |                      | Re                  | etirement Tot   | al:  | \$9,603.   | 24 925  |
| •   |                      | Addition Dollars    | Add Q   | ty   | Retirement Dolla   | rs Retire Qty   |
| <u></u>   | Location Total:      | \$268,046.47        | 4,60  | 8  | \$33,196.  | 64 5,220  |
|   |                      | Addition Dollars    | Add Q   | tv   | Retirement Dolla   | rs Retire Qty   |
|   | Used in Unitization: | \$268,046.47        | 4,60  |  | \$33,196.  |   |
|   |                      | Addition Dollars    | Add Q   | tv   | Retirement Dolla   | rs Retire Qty   |
|   | Unit Estimate Total: | \$268,046.47        | 4,60  |  | \$33,196.  |   |
| t   |                      | 7-23,533            |   |  | ,,,,,,,  |   |
|   | ***** Work           | Order Retirements   | ****  |  |  |   |
| Business Segment                                  | GL Account           |                     |   |  |  |   |
| Asset Location                                    |                      |                     |   |  |  |   |
| Utility Account                                   |                      |                     |   |  |  |   |
| Retirement Unit Asset Description                 |                      |                     | Vintage   | Activity   | Retire Qty   | Retirement Amount   |
| Posted Retirements:                               |                      |                     | Villago   |  | Retire Qty   | Retirement Amount   |
|   | 404000 O Pl4         | ! O!                |   |  |  |   |
| Missouri West                                     | 101000::Gas Plant    | in Service          |   |  |  |   |
| 0401-043050 JACKSON CTY/KC                        |                      |                     |   |  |  |   |
| 376100-Mains - Steel                              |                      |                     |   |  |  |   |
|   |                      |                     |   |  |  |   |
| 376100-Mains - Steel                              |                      |                     | 1946  | URET   | 1,020  | \$823.79  |
| 376100-Mains - Steel<br>Mains-Steel 2"            |                      |                     | 1946  | URET   | 1,020  | \$823.79  |
| 376100-Mains - Steel<br>Mains-Steel 2"            |                      |                     | 1946  | URET   | 1,020  | \$823.79  |
| 376100-Mains - Steel<br>Mains-Steel 2"            |                      |                     | 1946  | URET   | 1,020  | \$823.79  |
| 376100-Mains - Steel<br>Mains-Steel 2"<br>OCR     |                      |                     | 1946  | URET   | 1,020  | \$823.79  |
| 376100-Mains - Steel<br>Mains-Steel 2"<br>OCR     |                      |                     |   |  |  |   |
| 376100-Mains - Steel  Mains-Steel 2"  OCR  OCR    |                      |                     | 1947  | URET   | 445  | \$334.82  |
| 376100-Mains - Steel Mains-Steel 2" OCR  OCR  OCR |                      |                     | 1947<br>1948  | URET<br>URET   | 445<br>379   | \$334.82<br>\$396.01  |
| OCR  OCR  OCR  OCR  OCR  OCR  OCR  OCR            |                      |                     | 1947<br>1948<br>1949  | URET<br>URET<br>URET   | 445<br>379<br>132  | \$334.82<br>\$396.01<br>\$395.34  |
| OCR  OCR  OCR  OCR  OCR  OCR  OCR  OCR            |                      |                     | 1947<br>1948<br>1949<br>1950  | URET<br>URET<br>URET<br>URET                                 | 445<br>379<br>132<br>1,443   | \$334.82<br>\$396.01<br>\$395.34<br>\$1,556.46  |
| OCR           |                      |                     | 1947<br>1948<br>1949<br>1950<br>1952  | URET<br>URET<br>URET<br>URET<br>URET                         | 445<br>379<br>132<br>1,443<br>54                                     | \$334.82<br>\$396.01<br>\$395.34<br>\$1,556.46<br>\$64.09   |
| OCR  OCR  OCR  OCR  OCR  OCR  OCR  OCR            |                      |                     | 1947<br>1948<br>1949<br>1950<br>1952  | URET<br>URET<br>URET<br>URET<br>URET<br>URET                 | 445<br>379<br>132<br>1,443<br>54<br>104                              | \$334.82<br>\$396.01<br>\$395.34<br>\$1,556.46<br>\$64.09<br>\$109.57   |
| OCR           |                      |                     | 1947<br>1948<br>1949<br>1950<br>1952  | URET<br>URET<br>URET<br>URET<br>URET                         | 445<br>379<br>132<br>1,443<br>54                                     | \$334.82<br>\$396.01<br>\$395.34<br>\$1,556.46<br>\$64.09   |
| OCR           |                      |                     | 1947<br>1948<br>1949<br>1950<br>1952<br>1954  | URET<br>URET<br>URET<br>URET<br>URET<br>URET<br>URET         | 445<br>379<br>132<br>1,443<br>54<br>104<br>86                        | \$334.82<br>\$396.01<br>\$395.34<br>\$1,556.46<br>\$64.09<br>\$109.57<br>\$112.72                                       |
| OCR           |                      |                     | 1947<br>1948<br>1949<br>1950<br>1952<br>1954<br>1955                                    | URET<br>URET<br>URET<br>URET<br>URET<br>URET<br>URET         | 445<br>379<br>132<br>1,443<br>54<br>104<br>86                        | \$334.82<br>\$396.01<br>\$395.34<br>\$1,556.46<br>\$64.09<br>\$109.57<br>\$112.72                                       |
| OCR           |                      |                     | 1947<br>1948<br>1949<br>1950<br>1952<br>1954  | URET<br>URET<br>URET<br>URET<br>URET<br>URET<br>URET         | 445<br>379<br>132<br>1,443<br>54<br>104<br>86                        | \$334.82<br>\$396.01<br>\$395.34<br>\$1,556.46<br>\$64.09<br>\$109.57<br>\$112.72                                       |
| OCR           |                      |                     | 1947<br>1948<br>1949<br>1950<br>1952<br>1954<br>1955                                    | URET<br>URET<br>URET<br>URET<br>URET<br>URET<br>URET<br>URET | 445<br>379<br>132<br>1,443<br>54<br>104<br>86                        | \$334.82<br>\$396.01<br>\$395.34<br>\$1,556.46<br>\$64.09<br>\$109.57<br>\$112.72                                       |
| OCR           |                      |                     | 1947<br>1948<br>1949<br>1950<br>1952<br>1954<br>1955                                    | URET<br>URET<br>URET<br>URET<br>URET<br>URET<br>URET<br>URET | 445<br>379<br>132<br>1,443<br>54<br>104<br>86                        | \$334.82<br>\$396.01<br>\$395.34<br>\$1,556.46<br>\$64.09<br>\$109.57<br>\$112.72<br>\$172.56<br>\$152.66               |
| OCR           |                      |                     | 1947<br>1948<br>1949<br>1950<br>1952<br>1954<br>1955                                    | URET<br>URET<br>URET<br>URET<br>URET<br>URET<br>URET<br>URET | 445<br>379<br>132<br>1,443<br>54<br>104<br>86                        | \$334.82<br>\$396.01<br>\$395.34<br>\$1,556.46<br>\$64.09<br>\$109.57<br>\$112.72<br>\$172.56<br>\$152.66               |
| OCR           |                      |                     | 1947<br>1948<br>1949<br>1950<br>1952<br>1954<br>1955                                    | URET<br>URET<br>URET<br>URET<br>URET<br>URET<br>URET<br>URET | 445<br>379<br>132<br>1,443<br>54<br>104<br>86                        | \$334.82<br>\$396.01<br>\$395.34<br>\$1,556.46<br>\$64.09<br>\$109.57<br>\$112.72<br>\$172.56<br>\$152.66               |
| OCR           |                      |                     | 1947<br>1948<br>1949<br>1950<br>1952<br>1954<br>1955<br>1931<br>1948<br>Utility Accoun  | URET URET URET URET URET URET URET URET                      | 445<br>379<br>132<br>1,443<br>54<br>104<br>86<br>139<br>124<br>3,926 | \$334.82<br>\$396.01<br>\$395.34<br>\$1,556.46<br>\$64.09<br>\$109.57<br>\$112.72<br>\$172.56<br>\$152.66<br>\$4,118.02 |
| OCR           |                      |                     | 1947<br>1948<br>1949<br>1950<br>1952<br>1954<br>1955<br>1931<br>1948<br>Utility Account | URET URET URET URET URET URET URET URET                      | 445<br>379<br>132<br>1,443<br>54<br>104<br>86<br>139<br>124<br>3,926 | \$334.82<br>\$396.01<br>\$395.34<br>\$1,556.46<br>\$64.09<br>\$109.57<br>\$112.72<br>\$172.56<br>\$152.66<br>\$4,118.02 |

6/17/19 12:51pm

Page 5 of 6

|                       |                       | ***** Wo         | rk Order Retirements | ****          |              | 400         |                        |
|-----------------------|-----------------------|------------------|----------------------|---------------|--------------|-------------|------------------------|
| Business Segme        | ent                   | GL Account       |                      |               |              |             |                        |
| <b>Asset Location</b> |                       |                  |                      |               |              |             |                        |
| Utility Accoun        |                       |                  |                      |               |              |             |                        |
| Retirement            |                       |                  |                      | Vintage       | Activity     | Retire Qty  | Retirement Amount      |
| AN DESCRIPTION        | escription            |                  |                      | Viiitage      | Oouc         | Retire Qty  | Kethement Amount       |
| osted Retireme        | nts:                  |                  |                      |               |              |             |                        |
| Missouri West         | ACKOON CTV///C        | 101000::Gas Plar | it in Service        |               |              |             |                        |
|                       | ACKSON CTY/KC         |                  |                      |               |              |             |                        |
| 380100-Servic         |                       |                  |                      |               | (4)          |             |                        |
| OCD                   | Services-Steel        |                  |                      | 1965          | URET         | 37          | \$50.94                |
| OCR                   |                       |                  |                      | 1968          | URET         | 34          | \$29.17                |
| OCR                   |                       |                  |                      |               |              | X2(2)       |                        |
|                       |                       |                  |                      | Utility Accou | int Iotal: _ | 369         | \$507.16               |
| 380200-Servic         | es - Plastic & Copper |                  |                      |               |              |             |                        |
|                       | Services-Plastic      |                  |                      |               |              |             |                        |
| OCR                   |                       |                  |                      | 1971          | URET         | 16          | \$70.36                |
| OCR                   |                       |                  |                      | 1972          | URET         | 20          | \$89.02                |
| OCR                   |                       |                  |                      | 1973          | URET         | 19          | \$78.85                |
| OCR                   |                       |                  |                      | 1976          | URET         | 46          | \$317.45               |
| OCR                   |                       |                  |                      | 1977          | URET         | 22          | \$162.02               |
| OCR                   |                       |                  |                      | 1978          | URET         | 30          | \$237.64               |
| OCR                   |                       |                  |                      | 1979          | URET         | 7           | \$67.49                |
| OCR                   |                       |                  |                      | 1980          | URET         | 9           | \$97.61                |
| OCR                   |                       |                  |                      | 1981          | URET         | 28          | \$306.20               |
| OCR                   |                       |                  |                      | 1982          | URET         | 7           | \$89.95                |
| OCR                   |                       |                  |                      | 1983          | URET         | 31          | \$372.23               |
| OCR                   |                       |                  |                      | 1984          | URET         | 41          | \$391.65               |
| OCR                   |                       |                  |                      | 1985          | URET         | 4           | \$35.69                |
| OCR                   |                       |                  |                      | 1986          | URET         | 30          | \$389.48               |
| OCR                   |                       |                  |                      | 1988          | URET         | 11          | \$111.89               |
| OCR                   |                       |                  |                      | 1989          | URET         | 106         | \$1,030.43             |
| OCR                   |                       |                  |                      | 1990          | URET         | 184         | \$2,383.00             |
| OCR                   |                       |                  |                      | 1992<br>1993  | URET         | 273 .<br>14 | \$2,398.73<br>\$156.82 |
| OCR                   |                       |                  |                      | 2013          | URET         | 16          | \$156.62<br>\$286.73   |
| OCR<br>OCR            |                       |                  |                      | 2013          | URET         | 11          | \$268.95               |
| OCK                   |                       |                  |                      |               | -            |             | 1800 3400              |
|                       |                       |                  |                      | Utility Accou | -            | 925         | \$9,342.19             |
|                       |                       |                  |                      |               | on Total: _  | 5,220       | \$13,967.37            |
|                       |                       |                  |                      | GL Accou      | ınt Total: _ | 5,220       | \$13,967.37            |
|                       |                       |                  |                      | Posted Reti   | rements:     | 5,220       | \$13,967.37            |
|                       |                       |                  |                      | Work Ord      | er Total:    | 5,220       | \$13,967.37            |
|                       |                       |                  |                      |               | =            | -,          |                        |

6/17/19 12:51pm

Page 6 of 6

**Header Detail** 

Work Order: 801909

Work Order Title: Repl 4180F 2-4P Pittman and 38th St

Wo Type Description: WO-Replacement Mains & Svcs MGE

Work Order Group:

**Current Revision: 1** 

Funding Project: F0599

Funding Project Desc: Main Replacement - ISRS (N) Eligible for AFUDC yes

Reason Code: Safety

Eligible for CPI: yes

Company: Spire Missouri Inc.

Business Segment: Missouri West

Functional Class: Distribution Plant

Department Code: 20648

Department Description: Construction & Maintenance - Region 2A - Unio

Budget Description: Replace cast iron main - CPI / prio

Est. Annual Revenue:

Reimbursement Type: None

Retirement Type:

WO Description: Install 2720 Ft. of 2 inch PL IP Main and 1460 Ft. of 4 inch PL IP on Pittman Rd., E 41st St., E 38th Ter., and E 38th St.

Major Location: 0401-KC/MO - Central

Asset Location: 0401-043050 JACKSON CTY/KC

Status: posted to CPR

Estimated Start Date: Jun 05, 2018

Estimated Completion Date: Sep 28, 2018

Estimated In-Service Date:

Sep 28, 2018

Notes: Abandon 21 Ft of 2 in ST IP Main, 724 Ft of 2 in ST LP Main, 83 Ft of 4 in ST IP Main, and 2970 Ft of 4 in ST LP Main on the above mentioned streets. Total Service Tie-over =26; Total Service Abandoned = 4; Total Service Replace = 18. This main is

being replaced due to leaks and is part of FY18 Bare Steel Replacement Program.

Reason for Work (Justification)

| Level                   | Approver           | Approval Limit | Date Approved |  |
|-------------------------|--------------------|----------------|---------------|--|
| Operational Accounting  | Muehlenkamp, Anne  | \$0            | 4/17/2018     |  |
| Engineering Review-Dist | § Hoeferlin, Craig | \$0            | 4/23/2018     |  |
| VP Field Operations-MGE | Hampton, Joe       | \$1,000,000    | 4/24/2018     |  |

| ***** Unit Estimate *****          |              |              |                       |                     |         |  |  |  |
|------------------------------------|--------------|--------------|-----------------------|---------------------|---------|--|--|--|
| Utility Account                    | Additions    | Removal Cost | Total<br>Expenditures | Retirement<br>Value | Salvage |  |  |  |
| 376100-Mains - Steel               | \$0.00       | \$5,255.39   | \$5,255.39            | \$0.00              | \$0.00  |  |  |  |
| 376300-Mains - Plastic             | \$294,684.42 | \$0.00       | \$294,684.42          | \$0.00              | \$0.00  |  |  |  |
| 380200-Services - Plastic & Copper | \$19,343.18  | \$2,079.45   | \$21,422.63           | \$0.00              | \$0.00  |  |  |  |
| <b>Total Estimated Costs:</b>      | \$314,027.60 | \$7,334.84   | \$321,362.44          | \$0.00              | \$0.00  |  |  |  |

|   |   | Unit Estimate *****       |          |   |         |            |
|---|---|---------------------------|----------|---|---------|------------|
| sset Location Utility Account Retirement Unit |   |                           |          |   |         |            |
| Est. Chg Type                                 | Addition Dollars  | Retirement Dollars        | Add Qty  | Retire Qty                              | Add Hrs | Retire Hrs |
| 0401-043050 JACKSON CTY/KC                    | Table To a second I   | ungtio *                  |          |   |         |            |
| 376300-Mains - Plastic                        |   |                           |          |   |         |            |
| Mains-Plastic 2"                              |   |                           |          |   |         |            |
| Contract Payroll                              | \$1,141.00  | \$0.00                    | 0        | . 0                                     | 0       | 0          |
| Contractor Work                               | \$119,039.09  | \$0.00                    | 0        | 0                                       | 0       | 0          |
| Department Clearings                          | \$986.97  | \$0.00                    | 0        | 0                                       | 0       | 0          |
| Overheads Capitalized - Benefits              | \$637.82  | \$0.00                    | 0        | 0                                       | 0       | 0          |
| Overheads Capitalized - General               | \$53,107.63   | \$0.00                    | 0        | 0                                       | 0       | 0          |
| Payroll Taxes                                 | \$173.43  | \$0.00                    | 0        | 0                                       | 0       | 0          |
| Stores  | \$5,748.22  | \$0.00                    | 2720     | 0                                       | 0       | 0          |
| Mains-Plastic 3"                              |   |                           |          |   |         |            |
| Overheads Capitalized - General               | \$5.63  | \$0.00                    | 0        | 0                                       | 0       | 0          |
| Stores  | \$13.24   | \$0.00                    | 0        | 0                                       | 0       | 0          |
| Mains-Plastic 4"                              |   |                           |          |   |         |            |
| Contract Payroll                              | \$619.40  | \$0.00                    | 0        | `0                                      | 0       | 0          |
| Contractor Work                               | \$70,946.01   | \$0.00                    | 0        | 0                                       | 0       | 0          |
| Department Clearings                          | \$535.78  | \$0.00                    | 0        | 0                                       | 0       | 0          |
| Overheads Capitalized - Benefits              | \$346.24  | \$0.00                    | 0        | 0                                       | 0       | 0          |
| Overheads Capitalized - General               | \$33,501.66   | \$0.00                    | 0        | 0                                       | 0       | 0          |
| Payroll Taxes                                 | \$94.15   | \$0.00                    | 0        | 0                                       | 0       | 0          |
| Stores  | \$7,788.15  | \$0.00                    | 1460     | 0                                       | 0       | 0          |
| SubTotal Utility Account:                     | \$294,684.42  | \$0.00                    | 4,180.00 | 0.00                                    | 0.00    | 0.00       |
| 376100-Mains - Steel                          |   |                           |          | 100000000000000000000000000000000000000 |         |            |
| Mains-Steel 2"                                |   |                           |          |   |         |            |
| Contract Payroll                              | \$0.00  | \$97.80                   | 0        | 0                                       | 0       | 0          |
| Contractor Work                               | \$0.00  | \$39.70                   | . 0      | 0                                       | 0       | 0          |
| Department Clearings                          | \$0.00  | \$84.60                   | 0        | 0                                       | 0       | 0          |
| Overheads Capitalized - Benefits              | \$0.00  | \$54.67                   | 0        | 0                                       | 0       | 0          |
| Overheads Capitalized - General               | \$0.00  | \$1,018.06                | 0        | - 0                                     | 0       | 0          |
| Payroll Taxes                                 | \$0.00  | \$14.87                   | 0        | 0                                       | 0       | 0          |
| Retirement Value                              | \$0.00  | \$0.00                    | 0        | 745                                     | 0       | 0          |
| Stores  | \$0.00  | \$2,341.00                | 0        | 0                                       | 0       | 0          |
| Mains-Steel 4"                                |   |                           |          |   |         |            |
| Contract Payroll                              | \$0.00  | \$358.60                  | 0        | 0                                       | 0       | 0          |
| Contractor Work                               | \$0.00  | \$454.00                  | 0        | 0                                       | 0       | 0          |
| Department Clearings                          | \$0.00  | \$310.19                  | 0        | 0                                       | 0       | 0          |
| Overheads Capitalized - Benefits              | \$0.00  | \$200.46                  | 0        | 0                                       | 0       | 0          |
| Overheads Capitalized - General               | \$0.00  | \$219.19                  | 0        | 0                                       | 0       | 0          |
| O TOTAL CAPITALIE CONTOIN                     | over the total of | 118,000 (20 pm/00000 120) | 170      | 655                                     |         |            |

|  | ****             | Unit Estimate ***** |          |            |         |             |
|--|------------------|---------------------|----------|------------|---------|-------------|
| Asset Location Utility Account Retirement Unit | Î                |                     |          |            | 5 x 5   | tribuna Ass |
| Est. Chg Type                                  | Addition Dollars | Retirement Dollars  | Add Qty  | Retire Qty | Add Hrs | Retire Hrs  |
| 0401-043050 JACKSON CTY/KC                     |                  |                     |          |            |         | <del></del> |
| 376100-Mains - Steel                           |                  |                     |          |            |         |             |
| Mains-Steel 4"                                 |                  |                     |          |            |         |             |
| Retirement Value                               | \$0.00           | \$0.00              | 0        | 3053       | 0       | 0           |
| Stores   | \$0.00           | \$7.74              | 0        | 0          | 0       | 0           |
| SubTotal Utility Account:                      | \$0.00           | \$5,255.39          | 0.00     | 3,798.00   | 0.00    | 0.00        |
| 380200-Services - Plastic & Copper             |                  | H #8                |          |            |         |             |
| Services-Plastic                               |                  |                     |          |            |         |             |
| Contractor Work                                | \$12,414.60      | \$1,459.26          | 0        | 0          | 0       | 0           |
| Overheads Capitalized - General                | \$5,769.02       | \$620.19            | 0        | 0          | 0       | 0           |
| Stores   | \$1,159.56       | \$0.00              | 0        | 0          | 0       | 0           |
| SubTotal Utility Account:                      | \$19,343.18      | \$2,079.45          | 0.00     | 0.00       | 0.00    | 0.00        |
| SubTotal Location:                             | \$314,027.60     | \$7,334.84          | 4,180.00 | 3,798.00   | 0.00    | 0.00        |
| Total Unit Estimate:                           | \$314,027.60     | \$7,334.84          | 4,180    | 3,798      | 0       | 0           |

|   |                       | ****      | * Class Codes *** | **              |              |             |       |      |
|---|-----------------------|-----------|-------------------|-----------------|--------------|-------------|-------|------|
| (                                       | Class Code            |           | Value             |                 |              |             |       | - 2  |
| C                                       | ap_expense            |           | capital           |                 |              |             |       |      |
| (                                       | WIP Property Tax Typ  | е         | MO-CWIP           | -Distribution R | eal          |             |       |      |
| Ĭ.                                      | SRS Reason            |           | 08 - Cast         | ron or Bare St  | eel Replacen | nent - Lea  |       |      |
| is                                      | srs_recov             |           | yes               |                 |              |             |       |      |
| C                                       | hbenefits             |           | yes               |                 |              |             |       |      |
| C                                       | hgen_supv             |           | yes               |                 |              |             |       |      |
| p                                       | rod_nonprod           |           | prod              |                 |              |             |       |      |
| F                                       | roject Classification |           | both              |                 |              |             |       |      |
|   |                       | ***       | ** As-Built ****  |                 |              |             |       |      |
| Asset Location Utility Account Exp Type |                       |           | 2                 |                 | ¥            |             |       | 3    |
| Est Charge Type                         | Retirer               | ment Unit |                   | Job task        |              | Dollars     | Quant | tity |
|   |                       |           |                   |                 |              | *           |       |      |
| Used in Unitization:                    |                       |           |                   |                 |              |             |       |      |
| 0401-043050 JACKSON CTY                 | /KC                   |           |                   |                 |              |             |       |      |
| 376100-Mains - Steel                    |                       |           |                   |                 |              |             |       |      |
| Retirement                              |                       |           |                   |                 |              |             |       |      |
| Contractor Work                         | Mains-                | Steel 2"  |                   |                 |              | \$5,568.00  |       | 0    |
|   |                       |           |                   |                 |              |             |       |      |
|   |                       |           |                   |                 |              |             |       |      |
|   |                       |           |                   |                 |              |             |       |      |
| Contractor Work                         | Mains-                | Steel 4"  |                   |                 |              | \$6,500.64  |       | 0    |
| Overheads Capitalized -                 |                       | Steel 4"  |                   |                 |              | \$2,762.77  |       | 0    |
|   |                       |           |                   |                 |              | V-11. 0-11. |       |      |

| Asset Location                   |                  |  |            |        |     |              |          |
|----------------------------------|------------------|--|------------|--------|-----|--------------|----------|
| Utility Account                  | 140              |  |            |        |     |              |          |
| Ехр Туре                         |                  |  |            |        |     |              |          |
| Est Charge Type                  | Retirement Unit  | * ************************************ | Job ta     | sk     | (1) | Dollars      | Quantity |
|                                  |                  |  |            |        |     |              |          |
| sed in Unitization:              |                  |  |            |        |     |              |          |
| 0401-043050 JACKSON CTY/KC       |                  |  |            |        | 3:  |              |          |
| 376100-Mains - Steel             |                  |  |            |        |     |              |          |
| Retirement                       |                  |  |            |        | 120 |              |          |
| Overheads Capitalized - General  | Mains-Steel 2"   |  |            |        |     | \$2,366.40   | (        |
| Retirement Value                 | Mains-Steel 2"   |  |            |        |     | \$600.48     | 496      |
| Retirement Value                 | Mains-Steel 4"   |  |            |        |     | \$1.86       | T.       |
| Retirement Value                 | Mains-Steel 2"   |  |            |        |     | \$369.20     | 229      |
| Retirement Value                 | Mains-Steel 4"   |  |            |        |     | \$470.65     | 163      |
| Retirement Value                 | Mains-Steel 2"   |  |            |        |     | \$143.79     | 83       |
| Retirement Value                 | Mains-Steel 4"   |  |            |        |     | \$350.89     | 160      |
| Retirement Value                 | Mains-Steel 4"   |  |            |        |     | \$1,447.44   | 469      |
| Retirement Value                 | Mains-Steel 4"   |  |            |        |     | \$1,058.27   | 345      |
| Retirement Value                 | Mains-Steel 4"   |  |            |        |     | \$881.17     | 361      |
| Retirement Value                 | Mains-Steel 2"   |  |            |        |     | \$59.53      | 7        |
| Retirement Value                 | Mains-Steel 4"   |  |            |        |     | \$2,584.08   | 1,208    |
| Retirement Value                 | Mains-Steel 4"   |  |            |        |     | \$662.33     | 358      |
|                                  |                  |  | Retirement | Total: |     | \$25,827.50  | 3,883    |
| 376300-Mains - Plastic           |                  |  |            |        |     |              |          |
| Addition                         |                  |  |            |        |     |              |          |
| Contract Payroll                 | Mains-Plastic 3" |  |            |        |     | \$74.76      | C        |
| Contract Payroll                 | Mains-Plastic 4" |  |            |        |     | \$32,436.28  | (        |
| Contract Payroll                 | Mains-Plastic 2" |  |            |        |     | \$44,769.54  | (        |
| Contractor Work                  | Mains-Plastic 4" |  |            |        |     | \$5,888.54   | (        |
| Contractor Work                  | Mains-Plastic 3" |  |            |        |     | \$5,568.00   | ď        |
| Contractor Work                  | Mains-Plastic 2" |  |            |        |     | \$45,795.10  | C        |
| Department Clearings             | Mains-Plastic 4" |  |            |        |     | \$28,057.38  | C        |
| Department Clearings             | Mains-Plastic 2" |  |            |        |     | \$38,725.65  | (        |
| Department Clearings             | Mains-Plastic 3" |  |            |        |     | \$64.67      | (        |
| Overheads Capitalized - Benefits | Mains-Plastic 3" |  |            |        |     | \$41.79      | (        |
| Overheads Capitalized - Benefits | Mains-Plastic 4" |  |            |        |     | \$18,131.88  | C        |
| Overheads Capitalized - Benefits | Mains-Plastic 2" |  |            |        |     | \$25,026.17  | (        |
| Overheads Capitalized - General  | Mains-Plastic 4" |  |            |        |     | \$6,545.72   | (        |
| Overheads Capitalized - General  | Mains-Plastic 3" |  |            |        |     | \$2,379.42   | ď        |
| Overheads Capitalized - General  | Mains-Plastic 2" |  |            |        |     | \$25,264.54  |          |
| Payroll Taxes                    | Mains-Plastic 2" |  |            |        |     | \$6,804.97   | ď        |
| Payroll Taxes                    | Mains-Plastic 4" |  |            |        |     | \$4,930.31   |          |
| Payroll Taxes                    | Mains-Plastic 3" |  |            |        |     | \$11.36      | ,        |
| Stores                           | Mains-Plastic 2" |  |            |        |     | \$6,909.10   | 2,899    |
| Stores                           | Mains-Plastic 4" |  |            |        |     | \$4,628.63   | 1,328    |
| Stores                           | Mains-Plastic 3" |  |            |        |     | \$19.38      | 1,020    |
| 5.0163                           | Manis-1 lastic 3 |  | A .J .J141 | Total  |     |              |          |
| Dationard                        |                  |  | Addition   | Total: |     | \$302,073.19 | 4,231    |
| Retirement                       | Maine Diest's 41 |  |            |        |     | 600470       | ,        |
| Contract Payroll                 | Mains-Plastic 4" |  |            |        |     | \$294.72     | (        |
| Contractor Work                  | Mains-Plastic 4" |  |            |        |     | \$5,568.00   | (        |
| Department Clearings             | Mains-Plastic 4" |  |            |        |     | \$254.93     |          |
| Overheads Capitalized - Benefits | Mains-Plastic 4" |  |            |        |     | \$164.75     | (        |

| sed in Unitization: 0401-043050 JACKSON CTY/KC 376300-Mains - Plastic Retirement Payroll Taxes Main Retirement Value Main  380100-Services - Steel Retirement Contract Payroll Servi Department Clearings Servi Overheads Capitalized - Benefits Servi Overheads Capitalized - General Servi Payroll Taxes Servi Retirement Value Servi  | ement Unit s-Plastic 4" s-Plastic 4" ices-Steel | Job to     | *      | \$44.80<br>\$886.02<br>\$9,598.48<br>\$279.79<br>\$242.02<br>\$156.40<br>\$17.91<br>\$42.53<br>\$36.69 | Quantity  (18 18 |
|--|---|------------|--------|--|------------------|
| sed in Unitization: 0401-043050 JACKSON CTY/KC 376300-Mains - Plastic Retirement Payroll Taxes Main Retirement Value Main  380100-Services - Steel Retirement Contract Payroll Servi Department Clearings Servi Overheads Capitalized - Benefits Servi Overheads Capitalized - General Servi Payroll Taxes Servi Retirement Value Servi  | s-Plastic 4" s-Plastic 4" ices-Steel ices-Steel ices-Steel ices-Steel ices-Steel ices-Steel ices-Steel ices-Steel   |            | *      | \$44.80<br>\$886.02<br><b>\$9,598.48</b><br>\$279.79<br>\$242.02<br>\$156.40<br>\$17.91<br>\$42.53     | 18               |
| sed in Unitization: 0401-043050 JACKSON CTY/KC 376300-Mains - Plastic Retirement Payroll Taxes Main Retirement Value Main  380100-Services - Steel Retirement Contract Payroll Servi Department Clearings Servi Overheads Capitalized - Benefits Servi Overheads Capitalized - General Servi Payroll Taxes Servi Retirement Value Servi  | s-Plastic 4" s-Plastic 4" ices-Steel ices-Steel ices-Steel ices-Steel ices-Steel ices-Steel ices-Steel ices-Steel   |            | *      | \$44.80<br>\$886.02<br><b>\$9,598.48</b><br>\$279.79<br>\$242.02<br>\$156.40<br>\$17.91<br>\$42.53     | 18               |
| 0401-043050 JACKSON CTY/KC 376300-Mains - Plastic Retirement Payroll Taxes Main Retirement Value Main  380100-Services - Steel Retirement Contract Payroll Servi Department Clearings Servi Overheads Capitalized - Benefits Servi Overheads Capitalized - General Servi Payroll Taxes Servi Retirement Value Servi   | ices-Steel ices-Steel ices-Steel ices-Steel ices-Steel ices-Steel ices-Steel ices-Steel   | Retirement | Total: | \$886.02<br>\$9,598.48<br>\$279.79<br>\$242.02<br>\$156.40<br>\$17.91<br>\$42.53                       | 18               |
| 2401-043050 JACKSON CTY/KC 376300-Mains - Plastic Retirement Payroll Taxes Main Retirement Value Main  380100-Services - Steel Retirement Contract Payroll Servi Department Clearings Servi Overheads Capitalized - Benefits Servi Overheads Capitalized - General Servi Payroll Taxes Servi Retirement Value Servi   | ices-Steel ices-Steel ices-Steel ices-Steel ices-Steel ices-Steel ices-Steel ices-Steel   | Retirement | Total: | \$886.02<br>\$9,598.48<br>\$279.79<br>\$242.02<br>\$156.40<br>\$17.91<br>\$42.53                       | 18               |
| 376300-Mains - Plastic Retirement Payroll Taxes Main Retirement Value Main  380100-Services - Steel Retirement Contract Payroll Servi Department Clearings Servi Overheads Capitalized - Benefits Servi Overheads Capitalized - General Servi Payroll Taxes Servi Retirement Value Servi  | ices-Steel ices-Steel ices-Steel ices-Steel ices-Steel ices-Steel ices-Steel ices-Steel   | Retirement | Total: | \$886.02<br>\$9,598.48<br>\$279.79<br>\$242.02<br>\$156.40<br>\$17.91<br>\$42.53                       | 18               |
| Retirement Payroll Taxes Main Retirement Value Main  380100-Services - Steel Retirement Contract Payroll Servi Department Clearings Servi Overheads Capitalized - Benefits Servi Overheads Capitalized - General Servi Payroll Taxes Servi Retirement Value Servi   | ices-Steel ices-Steel ices-Steel ices-Steel ices-Steel ices-Steel ices-Steel ices-Steel   | Retirement | Total: | \$886.02<br>\$9,598.48<br>\$279.79<br>\$242.02<br>\$156.40<br>\$17.91<br>\$42.53                       | 11               |
| Payroll Taxes Retirement Value  380100-Services - Steel Retirement Contract Payroll Department Clearings Overheads Capitalized - Benefits Overheads Capitalized - General Payroll Taxes Retirement Value Retirement Value Servi  | ices-Steel ices-Steel ices-Steel ices-Steel ices-Steel ices-Steel ices-Steel ices-Steel   | Retirement | Total: | \$886.02<br>\$9,598.48<br>\$279.79<br>\$242.02<br>\$156.40<br>\$17.91<br>\$42.53                       | 11               |
| Retirement Value  380100-Services - Steel  Retirement Contract Payroll Department Clearings Overheads Capitalized - Benefits Overheads Capitalized - General Payroll Taxes Retirement Value Retirement Value Servi  | ices-Steel ices-Steel ices-Steel ices-Steel ices-Steel ices-Steel ices-Steel ices-Steel   | Retirement | Total: | \$886.02<br>\$9,598.48<br>\$279.79<br>\$242.02<br>\$156.40<br>\$17.91<br>\$42.53                       | 11               |
| 380100-Services - Steel Retirement Contract Payroll Servi Department Clearings Servi Overheads Capitalized - Benefits Servi Overheads Capitalized - General Servi Payroll Taxes Servi Retirement Value Servi   | ices-Steel ices-Steel ices-Steel ices-Steel ices-Steel ices-Steel ices-Steel  | Retirement | Total: | \$9,598.48<br>\$279.79<br>\$242.02<br>\$156.40<br>\$17.91<br>\$42.53                                   | 11               |
| Retirement  Contract Payroll  Department Clearings  Overheads Capitalized - Benefits  Overheads Capitalized - General  Payroll Taxes  Retirement Value  Retirement Value  Retirement Value  Retirement Value  Servi  | ices-Steel ices-Steel ices-Steel ices-Steel ices-Steel ices-Steel   | Komomon    |        | \$279.79<br>\$242.02<br>\$156.40<br>\$17.91<br>\$42.53   | (                |
| Retirement  Contract Payroll  Department Clearings  Overheads Capitalized - Benefits  Overheads Capitalized - General  Payroll Taxes  Retirement Value  Retirement Value  Retirement Value  Retirement Value  Servi  | ices-Steel ices-Steel ices-Steel ices-Steel ices-Steel ices-Steel   |            |        | \$242.02<br>\$156.40<br>\$17.91<br>\$42.53   | (                |
| Contract Payroll Servi Department Clearings Servi Overheads Capitalized - Benefits Servi Overheads Capitalized - General Servi Payroll Taxes Servi Retirement Value Servi  | ices-Steel ices-Steel ices-Steel ices-Steel ices-Steel ices-Steel ices-Steel  |            |        | \$242.02<br>\$156.40<br>\$17.91<br>\$42.53   | (                |
| Department Clearings Servi Overheads Capitalized - Benefits Servi Overheads Capitalized - General Servi Payroll Taxes Servi Retirement Value Servi   | ices-Steel ices-Steel ices-Steel ices-Steel ices-Steel ices-Steel ices-Steel  |            |        | \$242.02<br>\$156.40<br>\$17.91<br>\$42.53   | (                |
| Overheads Capitalized - Benefits Servi Overheads Capitalized - General Servi Payroll Taxes Servi Retirement Value Servi  | ices-Steel ices-Steel ices-Steel ices-Steel ices-Steel ices-Steel   |            | -      | \$156.40<br>\$17.91<br>\$42.53   | (                |
| Overheads Capitalized - General Servi Payroll Taxes Servi Retirement Value Servi   | ices-Steel<br>ices-Steel<br>ices-Steel<br>ices-Steel<br>ices-Steel  |            |        | \$17.91<br>\$42.53   | Ó                |
| Payroll Taxes Servi Retirement Value Servi Retirement Value Servi Retirement Value Servi Retirement Value Servi  | ices-Steel<br>ices-Steel<br>ices-Steel<br>ices-Steel  |            |        | \$42.53  |                  |
| Retirement Value Servi Retirement Value Servi Retirement Value Servi Retirement Value Servi  | ices-Steel<br>ices-Steel<br>ices-Steel  |            |        | 1000, 1200, 1000, 1000   | ,                |
| Retirement Value Servi<br>Retirement Value Servi<br>Retirement Value Servi   | ices-Steel<br>ices-Steel  |            |        |  | 48               |
| Retirement Value Servi<br>Retirement Value Servi   | ices-Steel  |            |        | \$123.35   | 82               |
| Retirement Value Servi   |   |            |        | \$42.40  | 42               |
|  | Laco-Olecti   |            |        | \$84.35  | 64               |
| Retirement Value Servi   | ices-Steel  |            |        | \$165.91   | 184              |
| ET IT DONNOTED A CONTROL PROPERTY OF THE PROPE | ices-Steel  |            |        | \$73.92  | 63               |
| :5   |   | Retirement | Total: | \$1,265.27   | 483              |
| 380200-Services - Plastic & Copper   |   | romono     | 101411 | <b>V</b> 1,200,21  | 10 1 1           |
| Addition   |   |            |        |  |                  |
|  | ces-Plastic   |            |        | \$5,025.12   |                  |
| SECTION AND ADDRESS OF THE CONTROL OF T  | ces-Plastic   |            |        | \$2,324.64   | ,                |
|  | ces-Plastic   |            |        | \$4,346.73   | ì                |
|  | ces-Plastic   |            |        | \$2,809.04   |                  |
|  | ces-Plastic   |            |        | \$1,422.47   | ,                |
|  | ces-Plastic   |            |        | \$763.82   | (                |
|  | ces-Plastic   |            |        | \$265.62   | 682              |
| 30.00  | oco i luotto  | Addition   | Totali |  | 682              |
| Retirement   |   | Addition   | Total: | \$16,957.44  | 002              |
| X  | ces-Plastic   |            |        | \$810.70   | (                |
|  | ces-Plastic   |            |        | \$344.55   | (                |
| 11 00 Deg 600 to versi in specialism institution   | ces-Plastic   |            |        | \$146.83   | 14               |
|  | ces-Plastic   |            |        | \$10.85  | 1                |
|  | ces-Plastic   |            |        | \$33.67  |                  |
|  | ces-Plastic   |            |        | \$116.84   | ,                |
|  | ces-Plastic   |            |        | \$273.92   | 66               |
| ANY CONTROL OF THE PROPERTY OF THE PROPERTY AND THE PROPERTY OF THE PROPERTY O | ces-Plastic   |            |        | \$53.76  | 3                |
| I sa swi ili sava a  | ces-Plastic   |            |        | \$131.32   | 16               |
|  | ces-Plastic   |            |        | \$1,650.69   | 39               |
|  | ces-Plastic   |            |        | \$208.77   | 11               |
|  | ces-Plastic   |            |        | \$103.61   |                  |
| Value of the second of the sec |   |            |        | Q.00.01  |                  |
|  | *   |            |        |  |                  |

|                                   |                      | ***** As-Built *****   |                 |                    |            |
|-----------------------------------|----------------------|------------------------|-----------------|--------------------|------------|
| Asset Location                    |                      |                        |                 |                    |            |
| Utility Account                   |                      |                        |                 |                    |            |
| Exp Type                          |                      |                        |                 |                    |            |
| Est Charge Type                   | Retirement Unit      |                        | Job task        | Dollars            | Quantity   |
| Jsed in Unitization:              |                      |                        |                 |                    |            |
| 0401-043050 JACKSON CTY/KC        |                      |                        |                 |                    |            |
| 380200-Services - Plastic & Coppe | er                   |                        |                 |                    |            |
| Retirement                        |                      |                        |                 | <b>(</b> )         |            |
| Retirement Value                  | Services-Plastic     |                        |                 | \$246.99           | 19         |
| <del>.</del>                      |                      | Re                     | tirement Total: | \$4,132.50         | 188        |
| 1                                 |                      | Addition Dollars       | Add Qty         | Retirement Dollars | Retire Qty |
|                                   | Location Total:      | \$319,030.63           | 4,913           | \$40,823.75        | 4,572      |
|                                   |                      | Addition Dollars       | Add Qty         | Retirement Dollars | Retire Qty |
|                                   | Used in Unitization: | \$319,030.63           | 4,913           | \$40,823.75        | 4,572      |
| ) <del></del>                     |                      | Addition Dollars       | Add Qty         | Retirement Dollars | Retire Qty |
|                                   | Unit Estimate Total: | \$319,030.63           | 4,913           | \$40,823.75        | 4,572      |
|                                   | ***** Wo             | rk Order Retirements * | ****            |                    |            |
| Business Segment                  | GL Account           |                        |                 |                    |            |

|   | ***** Work Order Retiremen   | nts *****     |              |            |                   |
|---|------------------------------|---------------|--------------|------------|-------------------|
| Business Segment                            | GL Account                   |               |              |            |                   |
| Asset Location                              |                              |               |              |            |                   |
| Utility Account                             |                              |               |              |            |                   |
| Retirement Unit Asset Description           |                              | Vintage       | Activity     | Retire Qty | Retirement Amount |
| 20 M 82 20 C 20 C                           |                              | Villago       | oodo         | Notife Qty | Retirement Amount |
| Posted Retirements:                         | 404000 Oct Plant in October  |               |              |            |                   |
| Missouri West<br>0401-043050 JACKSON CTY/KC | 101000::Gas Plant in Service |               |              |            |                   |
| 376100-Mains - Steel                        |                              |               |              |            |                   |
| Mains-Steel 2"                              |                              |               |              |            |                   |
| OCR   |                              | 1951          | URET         | 496        | \$600.48          |
| OCR   |                              | 1951          | UNLI         | 490        | \$000.40          |
|   |                              |               |              |            |                   |
|   |                              |               |              |            |                   |
|   |                              |               |              |            |                   |
|   |                              |               |              |            |                   |
| OCR   |                              | 1961          | URET         | 229        | \$369.20          |
| OCR   |                              | 1968          | URET         | 83         | \$143.79          |
| OCR   |                              | 1990          | URET         | 7          | \$59.53           |
| Mains-Steel 4"                              |                              |               |              |            |                   |
| OCR   |                              | 1942          | URET         | 4          | \$1.86            |
| OCR   |                              | 1949          | URET         | 160        | \$350.89          |
| OCR   |                              | 1950          | URET         | 1,208      | \$2,584.08        |
| OCR   |                              | 1952          | URET         | 163        | \$470.65          |
| OCR   |                              | 1953          | URET         | 345        | \$1,058.27        |
| OCR   |                              |               | URET         | 361        | \$881.17          |
| OCR   |                              | 4             | URET         | 358        | \$662.33          |
| OCR   |                              | 1961          | URET _       | 469        | \$1,447.44        |
|   |                              | Utility Accou | ınt Total: _ | 3,883      | \$8,629.69        |
| 376300-Mains - Plastic                      |                              |               |              |            |                   |
| Mains-Plastic 4"                            |                              |               |              |            |                   |
| OCR   |                              | 2009          | URET         | 18         | \$886.02          |
|   |                              | Utility Accou | ınt Total:   | 18         | \$886.02          |

|   | ***** Work Order Retireme    | ints          |                  |            |                   |
|---|------------------------------|---------------|------------------|------------|-------------------|
| Business Segment Asset Location Utility Account Retirement Unit Asset Description | GL Account                   | Vintage       | Activity<br>Code | Retire Qty | Retirement Amount |
| Posted Retirements:   |                              |               |                  |            |                   |
| Missouri West   | 101000::Gas Plant in Service |               |                  |            |                   |
| 0401-043050 JACKSON CTY/KC  |                              |               |                  |            |                   |
| 380100-Services - Steel   |                              |               |                  |            |                   |
| Services-Steel  |                              |               |                  |            |                   |
| OCR   |                              | 1950          | URET             | 82         | \$123.35          |
| OCR   |                              | 1954          | URET             | 48         | \$36.69           |
| OCR   |                              | 1955          | URET             | 42         | \$42.40           |
| OCR   |                              | 1958          | URET             | 184        | \$165.91          |
| OCR   |                              | 1962          | URET             | 64         | \$84.35           |
| OCR   |                              | 1963          | URET             | 63         | \$73.92           |
|   |                              | Utility Accou | ınt Total:       | 483        | \$526.62          |
| 380200-Services - Plastic & Copper  |                              |               | _                |            |                   |
| Services-Plastic  |                              |               |                  |            |                   |
| OCR   |                              | 1973          | URET             | 66         | \$273.92          |
| OCR   |                              | 1980          | URET             | 1          | \$10.85           |
| OCR   |                              | 1986          | URET             | 9          | \$116.84          |
| OCR   |                              | 1990          | URET             | 8          | \$103.61          |
| OCR   |                              | 1995          | URET             | 15         | \$131.32          |
| OCR   |                              | 1997          | URET             | 14         | \$146.83          |
| OCR   |                              | 1999          | URET             | 3          | \$33.67           |
| OCR   |                              | 2000          | URET             | 19         | \$246.99          |
| OCR   |                              | 2006          | URET             | 11         | \$208.77          |
| OCR   |                              | 2013          | URET             | 3          | \$53.76           |
| OCR   |                              | 2017          | URET _           | 39         | \$1,650.69        |
|   |                              | Utility Accou | int Total:       | 188        | \$2,977.25        |
|   |                              | Location      | on Total:        | 4,572      | \$13,019.58       |
|   |                              | GL Accou      | nt Total:        | 4,572      | \$13,019.58       |
|   |                              | Posted Retir  | rements:         | 4,572      | \$13,019.58       |
|   |                              | Work Ord      | er Total:        | 4,572      | \$13,019.58       |

6/17/19 12:51pm

Page 7 of 7

**Header Detail** 

Work Order: 801828

Work Order Title: Repl 2524F 2-4P 23rd & Topping

Wo Type Description: WO-Replacement Mains & Svcs MGE

Work Order Group:

**Current Revision: 1** 

Funding Project: F0599

Funding Project Desc: Main Replacement - ISRS (N) Eligible for AFUDC yes

Reason Code: Safety

Eligible for CPI: yes

WO Description:Install ~ 678 ft of 2 in PL IP main and ~ 1846 ft of 4 in PL IP main along 23rd Street and Lawndale Ave.

Major Location: 0401-KC/MO - Central

Asset Location: 0401-043050 JACKSON CTY/KC

Estimated Start Date: Feb 05, 2018

Estimated Completion Date: Feb 23, 2018

**Estimated In-Service Date:** 

Status: posted to CPR

Department Description: Construction & Maintenance - Region 2A - Unio Budget Description: Replace cast iron main - CPI / prio

Company: Spire Missouri Inc.

**Business Segment: Missouri West** 

Department Code: 20648

Est. Annual Revenue: Reimbursement Type: None

Retirement Type:

Functional Class: Distribution Plant

Feb 23, 2018

Notes: . Abandon ~ 922 ft of 2 in ST IP main, ~ 1577 ft of 3 in ST IP main, and ~ 7 ft of 4 in PL IP main at same location. Total Service Tie-over = 17; Total Service Replace = 5; Total Service Abandon = 3. This main is being replaced due to leaks on 3 in bare

steel main.

Reason for Work (Justification)

| Level                   | Approver           | Approval Limit | Date Approved |
|-------------------------|--------------------|----------------|---------------|
| Operational Accounting  | Muehlenkamp, Anne  | \$0            | 3/13/2018     |
| Engineering Review-Dist | § Hoeferlin, Craig | \$0            | 3/13/2018     |
| VP Field Operations-MGE | Hampton, Joe       | \$1,000,000    | 3/14/2018     |

|                                    | ***** Unit E | stimate ***** |                       |                     |         |
|------------------------------------|--------------|---------------|-----------------------|---------------------|---------|
| Utility Account                    | Additions    | Removal Cost  | Total<br>Expenditures | Retirement<br>Value | Salvage |
| 376100-Mains - Steel               | \$0.00       | \$6,837.48    | \$6,837.48            | \$0.00              | \$0.00  |
| 376300-Mains - Plastic             | \$145,770.43 | \$899.05      | \$146,669.48          | \$0.00              | \$0.00  |
| 380200-Services - Plastic & Copper | \$13,766.33  | \$0.00        | \$13,766.33           | \$0.00              | \$0.00  |
| Total Estimated Costs:             | \$159,536.76 | \$7,736.53    | \$167,273.29          | \$0.00              | \$0.0   |

| set Location   |                  |                    |          |            |         |            |
|--|------------------|--------------------|----------|------------|---------|------------|
| Utility Account  |                  |                    |          | g6 0       |         |            |
| Retirement Unit<br>Est. Chg Type                             | Addition Dollars | Retirement Dollars | Add Qty  | Retire Qty | Add Hrs | Retire Hrs |
| 0401-043050 JACKSON CTY/KC                                   |                  | ents               |          |            |         |            |
| 376300-Mains - Plastic                                       |                  |                    |          |            |         |            |
| Mains-Plastic 2"   |                  |                    |          |            |         |            |
| Contractor Work  | \$11,941.30      | \$0.00             | 0        | 0          | 0       | 0          |
| Overheads Capitalized - General                              | \$5,299.81       | \$1.52             | 0        | 0          | 0       | 0          |
| Stores   | \$528.84         | \$3.58             | 678      | 0          | 0       | 0          |
| Mains-Plastic 4"   |                  |                    |          |            |         |            |
| Contract Payroll   | \$1,304.00       | \$65.20            | 0        | 0          | 0       | . 0        |
| Contractor Work  | \$79,615.98      | \$360.92           | 0        | 0          | 0       | 0          |
| Department Clearings   | \$1,127.96       | \$56.40            | 0        | 0          | 0       | 0          |
| Overheads Capitalized - Benefits                             | \$728.94         | \$36.45            | 0        | 0          | 0       | 0          |
| Overheads Capitalized - General                              | \$37,232.31      | \$219.45           | 0        | 0          | 0       | 0          |
| Payroll Taxes  | \$198.21         | \$9.91             | 0        | 0          | 0       | 0          |
| Retirement Value   | \$0.00           | \$0.00             | 0        | 7          | 0       | 0          |
| Stores   | \$7,793.08       | \$145.62           | 1846     | 0          | 0       | 0          |
| SubTotal Utility Account:                                    | \$145,770.43     | \$899.05           | 2,524.00 | 7.00       | 0.00    | 0.00       |
| 376100-Mains - Steel   |                  |                    | -        |            |         |            |
| Mains-Steel 2"   |                  |                    |          |            |         |            |
| Contract Payroll   | \$0.00           | \$130.40           | 0        | 0          | 0       | 0          |
| Department Clearings   | \$0.00           | \$112.80           | 0        | 0          | 0       | 0          |
| Overheads Capitalized - Benefits                             | \$0.00           | \$72.89            | 0        | 0          | 0       | 0          |
| Overheads Capitalized - General                              | \$0.00           | \$8.35             | 0        | 0          | 0       | 0          |
| Payroll Taxes  | \$0.00           | \$19.82            | 0        | 0          | 0       | 0          |
| Retirement Value   | \$0.00           | \$0.00             | 0        | 924        | 0       | 0          |
| Mains-Steel 3"   |                  |                    |          |            |         |            |
| Contract Payroll   | \$0.00           | \$130.40           | 0        | 0          | 0       | 0          |
| Contractor Work  | \$0.00           | \$2,748.10         | 0        | 0          | 0       | . 0        |
| Department Clearings   | \$0.00           | \$112.80           | 0        | 0          | 0       | 0          |
| Overheads Capitalized - Benefits                             | \$0.00           | \$72.89            | 0        | 0          | 0       | 0          |
| Overheads Capitalized - General                              | \$0.00           | \$1,842.25         | 0        | 0          | 0       | 0          |
| Payroll Taxes  | \$0.00           | \$19.82            | 0        | 0          | 0       | 0          |
| Retirement Value   | \$0.00           | \$0.00             | 0        | 1577       | 0       | 0          |
| Stores   | \$0.00           | \$1,566.96         | 0        | 0          | 0       | 0          |
|  | \$0.00           | \$6,837.48         | 0.00     | 2,501.00   | 0.00    | 0.00       |
| SubTotal Utility Account: 380200-Services - Plastic & Copper | \$0.00           | φυ,οο <i>1.</i> 40 | 0.00     | 2,001.00   | 0.00    | 0.00       |
| Services-Plastic   |                  |                    |          |            |         |            |
| Contractor Work  | \$9,660.58       | \$0.00             | 0        | 0          | 0       | 0          |

|  | ****             | Unit Estimate ***** |          |            |         |            |
|--|------------------|---------------------|----------|------------|---------|------------|
| Asset Location Utility Account Retirement Unit Est. Chg Type | Addition Dollars | Retirement Dollars  | Add Qty  | Retire Qty | Add Hrs | Retire Hrs |
| 0401-043050 JACKSON CTY/KC                                   |                  |                     |          |            |         |            |
| 380200-Services - Plastic & Copper                           |                  |                     |          |            |         |            |
| Services-Plastic   |                  |                     | 14       |            |         |            |
| Overheads Capitalized - General                              | \$4,105.75       | \$0.00              | 0        | 0          | 0       | - O        |
| SubTotal Utility Account:                                    | \$13,766.33      | \$0.00              | 0.00     | 0.00       | 0.00    | 0.00       |
| SubTotal Location:   | \$159,536.76     | \$7,736.53          | 2,524.00 | 2,508.00   | 0.00    | 0.00       |
| Total Unit Estimate:   | \$159,536.76     | \$7,736.53          | 2,524    | 2,508      | 0       | 0          |

|   |                       | **** Class Codes *****          |                  |          |
|---|-----------------------|---------------------------------|------------------|----------|
| Cla   | ss Code               | Value                           |                  |          |
| cap   | _expense              | capital                         |                  |          |
| ISR   | S Reason              | 07 - Cast Iron or Bare Steel Re | eplacement - Cor |          |
| isrs  | _recov                | yes                             |                  |          |
| ohb   | enefits               | yes                             |                  |          |
| ohg   | en_supv               | yes                             |                  |          |
|   | d_nonprod             | prod                            |                  |          |
|   | ect Classification    | both                            |                  |          |
|   |                       | ***** As-Built *****            |                  |          |
| Asset Location<br>Utility Account<br>Exp Type     | k ::de a ra           | на ====                         | - 6              |          |
| Est Charge Type                                   | Retirement Unit       | Job task                        | Dollars          | Quantity |
| ·   |                       |                                 |                  |          |
| sed in Unitization:                               | •                     |                                 |                  |          |
| 9401-043050 JACKSON CTY/K<br>376100-Mains - Steel | C                     |                                 |                  |          |
| Retirement  |                       |                                 |                  |          |
| Contract Payroll                                  | Mains-Steel 3"        |                                 | \$536.55         | (        |
| oonador ayron                                     | mano cico. c          |                                 | ********         |          |
|   |                       |                                 |                  |          |
|   |                       |                                 |                  |          |
|   |                       |                                 |                  | *        |
| Contract Payroll                                  | Mains-Steel 2"        |                                 | \$536.55         | (        |
| Contractor Work                                   | Mains-Steel 2"        |                                 | \$3,347.05       | (        |
| Contractor Work                                   | Mains-Steel 3"        |                                 | \$7,287.77       |          |
| Department Clearings                              | Mains-Steel 2"        |                                 | \$788.73         | (        |
| Department Clearings                              | Mains-Steel 3"        |                                 | \$788.73         |          |
| Overheads Capitalized - Be                        |                       |                                 | \$472.16         |          |
| Overheads Capitalized - Be                        |                       |                                 | \$472.16         | 9        |
| Overheads Capitalized - Ge                        |                       |                                 | \$2,091.60       |          |
| Overheads Capitalized - Ge                        | eneral Mains-Steel 3" |                                 | \$5,315.60       |          |
| Payroll Taxes                                     | Mains-Steel 3"        |                                 | \$81.56          | 1        |
| Daniel Tarras                                     | Mains-Steel 2"        |                                 | \$81.56          |          |
| Payroll Taxes                                     | Mulio Olcci z         |                                 |                  |          |

|                                    |                                      | **** As-Built | ****       |        |       |                       |          |
|------------------------------------|--------------------------------------|---------------|------------|--------|-------|-----------------------|----------|
| Asset Location                     |                                      |               |            |        |       |                       |          |
| Utility Account                    |                                      |               |            |        |       |                       |          |
| Exp Type Est Charge Type           | Retirement Unit                      |               | Job ta     | ek     |       | Dollars               | Quantity |
| Est Glidige Type                   | Kethement omt                        |               | 30D ta     | ion    |       | Dollars               | Quantity |
| sed in Unitization:                |                                      |               |            |        |       |                       |          |
| 0401-043050 JACKSON CTY/KC         |                                      |               |            |        |       |                       |          |
| 376100-Mains - Steel               |                                      |               |            |        |       |                       |          |
| Retirement                         |                                      |               |            |        |       |                       |          |
| Retirement Value                   | Mains-Steel 2"                       |               |            |        |       | \$841.51              | 709      |
| Retirement Value                   | Mains-Steel 2"                       |               |            |        |       | \$303.16              | 199      |
| Stores                             | Mains-Steel 3"                       |               |            |        |       | \$1,344.52            | (        |
| 4                                  |                                      |               | Retirement | Total: | n 1-4 | \$27,703.08           | 2,461    |
| 376300-Mains - Plastic             |                                      |               |            |        |       |                       |          |
| Addition                           |                                      |               |            |        |       |                       |          |
| Contract Payroll                   | Mains-Plastic 2"                     |               |            |        |       | \$715.40              | C        |
| Contract Payroll                   | Mains-Plastic 4"                     |               |            |        |       | \$1,430.80            | (        |
| Contractor Work                    | Mains-Plastic 4"                     |               |            |        |       | \$147,498.87          | = -      |
| Contractor Work                    | Mains-Plastic 2"                     |               |            |        |       | \$21,630.68           | (        |
| Department Clearings               | Mains-Plastic 4"                     |               |            |        |       | \$2,103.28            | (        |
| Department Clearings               | Mains-Plastic 2"                     |               |            |        |       | \$1,051.64            |          |
| Overheads Capitalized - Benefits   | Mains-Plastic 4"                     |               |            |        |       | \$1,259.10            | (        |
| Overheads Capitalized - Benefits   | Mains-Plastic 2"                     |               |            |        |       | \$629.55              | (        |
| Overheads Capitalized - General    | Mains-Plastic 2"                     |               |            |        |       | \$13,600.47           | (        |
| Overheads Capitalized - General    | Mains-Plastic 4"                     |               |            |        |       | \$106,610.50          | (        |
| Payroll Taxes                      | Mains-Plastic 2"                     |               |            |        |       | \$108.74              | (        |
| Payroll Taxes                      | Mains-Plastic 4"                     |               |            |        |       | \$217.48              | (        |
| Stores                             | Mains-Plastic 4"                     |               |            |        |       | \$27,054.30           | 1,910    |
| Stores                             | Mains-Plastic 2"                     | ¥             |            |        |       | \$556.10              | 670      |
|                                    |                                      |               | Addition   | Total: |       | \$324,466.91          | 2,580    |
| 380100-Services - Steel            |                                      |               |            |        |       |                       |          |
| Retirement                         |                                      |               |            |        |       |                       |          |
| Retirement Value                   | Services-Steel                       |               |            |        |       | \$94.18               | 154      |
| Retirement Value                   | Services-Steel                       |               |            |        |       | \$43.00               | 118      |
| Retirement Value                   | Services-Steel                       |               |            |        |       | \$22.50               | 57       |
| Retirement Value                   | Services-Steel                       |               |            |        |       | \$41.07               | 35       |
|                                    |                                      |               | Retirement | Total: |       | \$200.75              | 364      |
| 380200-Services - Plastic & Copper |                                      | *             |            |        |       |                       |          |
| Addition                           | 0 ' 0 ''                             |               |            |        |       | 04.500.00             |          |
| Contractor Work                    | Services-Plastic                     |               |            |        |       | \$4,508.20            | (        |
| Overheads Capitalized - General    | Services-Plastic<br>Services-Plastic |               |            |        |       | \$2,797.66<br>\$78.12 | 372      |
| Stores                             | Services-Plastic                     |               | Addition   | Totalı |       |                       | 372      |
| Retirement                         |                                      |               | Addition   | iotali |       | \$7,383.98            | 312      |
| Contractor Work                    | Services-Plastic                     |               |            |        |       | \$471.56              | (        |
| Overheads Capitalized - General    | Services-Plastic                     |               |            |        |       | \$287.65              |          |
| Retirement Value                   | Services-Plastic                     |               |            |        |       | \$37.20               | 2        |
| Retirement Value                   | Services-Plastic                     |               |            |        |       | \$126.47              | 11       |
| Retirement Value                   | Services-Plastic                     |               |            |        |       | \$86.72               | 4        |
| Retirement Value                   | Services-Plastic                     |               |            |        |       | \$228.45              | 26       |
| Retirement Value                   | Services-Plastic                     |               |            |        |       | \$1,971.48            | 176      |
| Retirement Value                   | Services-Plastic                     |               |            |        |       | \$4.40                |          |

| A   |                      | ***** As-Built ***** |  |   |   |        |  |
|---|----------------------|----------------------|--|---|---|--------|--|
| Asset Location Utility Account  |                      |                      | 11 × 8   |   |   |        |  |
| Exp Type  |                      |                      |  |   |   |        |  |
| Est Charge Type   | Retirement Unit      |                      | Job task   |   | Dol                                       | llars  | Quantity   |
| go ijpo   |                      |                      | oon mon  |   |   |        | a,aaaaa,   |
| sed in Unitization:   |                      |                      |  |   |   |        |  |
| 0401-043050 JACKSON CTY/K   | rc.                  |                      |  |   |   |        |  |
| 380200-Services - Plastic & Co  |                      |                      |  |   |   |        |  |
| Retirement  |                      |                      |  |   |   |        |  |
| Retirement Value  | Services-Plastic     |                      |  |   | \$70                                      | 8.44   | 59   |
| Retirement Value  | Services-Plastic     |                      |  |   | \$38                                      | 8.45   |  |
| Retirement Value  | Services-Plastic     |                      |  |   | \$886                                     | 6.28   | 49   |
| Retirement Value  | Services-Plastic     |                      |  |   | \$85                                      | 3.01   | 76   |
|   |                      | R                    | etirement Tot  | al:                                     | \$5,70                                    | 0.11   | 407  |
| -   |                      | Addition Dollars     | Add Q  | h.r.                                    | Retirement Dol                            | ar v   | Retire Qty   |
|   | Location Total:      | \$331,850.89         | 2,95   |   | \$33,603                                  |        | 3,232  |
|   |                      | Addition Dollars     | Add Q  | <u>Y</u>                                | Retirement Dol                            | lars   | Retire Qty   |
|   | Used in Unitization: | \$331,850.89         | 2,95   |   | \$33,603                                  | 3.94   | 3,232  |
|   |                      | Addition Dollars     | Add Q  | y                                       | Retirement Dol                            | lars   | Retire Qty   |
|   | Unit Estimate Total: | \$331,850.89         | 2,95   | 2                                       | \$33,603                                  | 3.94   | 3,232  |
|   | Anadonia suga        |                      | 1879-1940-101  |   |   |        |  |
| usiness Segment   | GL Account           | rk Order Retirements | ****   |   |   |        |  |
| Hilliby Account   |                      |                      |  |   |   |        |  |
| Utility Account Retirement Unit Asset Description   |                      |                      | Vintage  | Activity<br>Code                        | Retire Qty                                | Retire | ment Amount  |
| Retirement Unit   |                      |                      |  |   | Retire Qty                                | Retire | ment Amount  |
| Retirement Unit Asset Description osted Retirements: lissouri West  | 101000::Gas Plan     | nt in Service        |  |   | Retire Qty                                | Retire | ment Amount  |
| Retirement Unit Asset Description  osted Retirements:  lissouri West 0401-043050 JACKSON CTY/k  |                      | at in Service        |  |   | Retire Qty                                | Retire | ment Amount  |
| Retirement Unit Asset Description  osted Retirements:  lissouri West 0401-043050 JACKSON CTY/k 376100-Mains - Steel   | «С                   | it in Service        |  |   | Retire Qty                                | Retire | ment Amount  |
| Retirement Unit Asset Description  osted Retirements:  Missouri West 0401-043050 JACKSON CTY/k 376100-Mains - Steel Mains-Steel 2   | «С                   | nt in Service        | Vintage  | Code                                    |   | Retire |  |
| Retirement Unit Asset Description  osted Retirements:  flissouri West 0401-043050 JACKSON CTY/k 376100-Mains - Steel  | «С                   | nt in Service        | Vintage  |   | Retire Qty                                | Retire | ment Amount<br>\$841.51  |
| Retirement Unit Asset Description  osted Retirements:  lissouri West 0401-043050 JACKSON CTY/k 376100-Mains - Steel Mains-Steel 2   | «С                   | it in Service        | Vintage  | Code                                    |   | Retire |  |
| Retirement Unit Asset Description  osted Retirements:  lissouri West 0401-043050 JACKSON CTY/k 376100-Mains - Steel Mains-Steel 2   | «С                   | nt in Service        | Vintage  | Code                                    |   | Retire |  |
| Retirement Unit Asset Description  osted Retirements:  lissouri West 0401-043050 JACKSON CTY/k 376100-Mains - Steel Mains-Steel 2   | «С                   | at in Service        | Vintage  | Code                                    |   | Retire |  |
| Retirement Unit Asset Description  osted Retirements:  lissouri West 0401-043050 JACKSON CTY/k 376100-Mains - Steel Mains-Steel 2' OCR  | «С                   | it in Service        | Vintage  | URET                                    | 709                                       | Retire | \$841.51   |
| Retirement Unit Asset Description  osted Retirements:  lissouri West 0401-043050 JACKSON CTY/k 376100-Mains - Steel Mains-Steel 2' OCR  | KC                   | nt in Service        | Vintage  | Code                                    |   | Retire | \$841.51   |
| Retirement Unit Asset Description  osted Retirements:  lissouri West 0401-043050 JACKSON CTY/K 376100-Mains - Steel Mains-Steel 2"  OCR  OCR  Mains-Steel 3"  | KC                   | at in Service        | Vintage<br>1952<br>1966  | URET                                    | 709<br>199                                | Retire | \$841.51<br>\$303.16   |
| Retirement Unit Asset Description  osted Retirements:  lissouri West 0401-043050 JACKSON CTY/k 376100-Mains - Steel Mains-Steel 2' OCR  | KC                   | at in Service        | Vintage<br>1952<br>1966<br>1954  | URET URET                               | 709<br>199<br>1,553                       | Retire | \$841.51<br>\$303.16<br>\$3,413.87   |
| Retirement Unit Asset Description  Disted Retirements:  Ilissouri West 0401-043050 JACKSON CTY/k 376100-Mains - Steel Mains-Steel 2"  OCR  OCR  Mains-Steel 3"  OCR   | KC                   | nt in Service        | Vintage<br>1952<br>1966  | URET URET                               | 709<br>199                                | Retire | \$841.51<br>\$303.16<br>\$3,413.87   |
| Retirement Unit Asset Description  Disted Retirements:  Ilissouri West 0401-043050 JACKSON CTY/k 376100-Mains - Steel Mains-Steel 2"  OCR  OCR  Mains-Steel 3"  OCR   | KC                   | nt in Service        | Vintage<br>1952<br>1966<br>1954  | URET URET                               | 709<br>199<br>1,553                       | Retire | \$841.51<br>\$303.16<br>\$3,413.87   |
| Retirement Unit Asset Description  Disted Retirements:  Ilissouri West 0401-043050 JACKSON CTY/K 376100-Mains - Steel Mains-Steel 2" OCR  OCR  Mains-Steel 3" OCR  380100-Services - Steel Services-Steel   | KC                   | at in Service        | 1952<br>1966<br>1954<br>Utility Accou                                    | URET URET URET nt Total:                | 709<br>199<br>1,553<br>2,461              | Retire | \$841.51<br>\$303.16<br>\$3,413.87<br>\$4,558.54   |
| Retirement Unit Asset Description  Disted Retirements:  Ilissouri West  0401-043050 JACKSON CTY/K  376100-Mains - Steel Mains-Steel 2*  OCR  OCR  Mains-Steel 3*  OCR  380100-Services - Steel Services-Steel OCR                                 | KC                   | nt in Service        | Vintage  1952  1966  1954  Utility Account                               | URET URET URET nt Total:                | 709<br>199<br>1,553<br><b>2,461</b>       | Retire | \$841.51<br>\$303.16<br>\$3,413.87<br>\$4,558.54   |
| Retirement Unit Asset Description  Disted Retirements:  Ilissouri West  0401-043050 JACKSON CTY/K  376100-Mains - Steel Mains-Steel 2"  OCR  OCR  Mains-Steel 3"  OCR  380100-Services - Steel Services-Steel OCR OCR                             | KC                   | at in Service        | 1952<br>1966<br>1954<br>Utility Accou                                    | URET URET nt Total: URET URET           | 709<br>199<br>1,553<br>2,461<br>57<br>118 | Retire | \$841.51<br>\$303.16<br>\$3,413.87<br><b>\$4,558.54</b><br>\$22.50<br>\$43.00            |
| Retirement Unit Asset Description  Disted Retirements:  Ilissouri West 0401-043050 JACKSON CTY/K 376100-Mains - Steel Mains-Steel 2"  OCR  OCR  Mains-Steel 3"  OCR  380100-Services - Steel Services-Steel OCR OCR OCR                           | KC                   | nt in Service        | 1952<br>1966<br>1954<br>Utility Accounting 1925<br>1928<br>1952          | URET URET URET URET URET URET URET      | 709  199  1,553  2,461  57  118  154      | Retire | \$841.51<br>\$303.16<br>\$3,413.87<br><b>\$4,558.54</b><br>\$22.50<br>\$43.00<br>\$94.18 |
| Retirement Unit Asset Description  Disted Retirements:  Ilissouri West  0401-043050 JACKSON CTY/K  376100-Mains - Steel Mains-Steel 2"  OCR  OCR  Mains-Steel 3"  OCR  380100-Services - Steel Services-Steel OCR OCR                             | KC                   | nt in Service        | 1952<br>1966<br>1954<br>Utility Accounts<br>1925<br>1928<br>1952<br>1963 | URET URET URET URET URET URET URET URET | 709  199  1,553  2,461  57  118  154  35  | Retire | \$303.16<br>\$3,413.87<br>\$4,558.54<br>\$22.50<br>\$43.00<br>\$94.18<br>\$41.07         |
| Retirement Unit Asset Description  sted Retirements:  iissouri West 0401-043050 JACKSON CTY/K 376100-Mains - Steel Mains-Steel 2"  OCR  OCR  Mains-Steel 3"  OCR  380100-Services - Steel Services-Steel  OCR  OCR  OCR  OCR  OCR  OCR  OCR  OC   | (C                   | at in Service        | 1952<br>1966<br>1954<br>Utility Accounting 1925<br>1928<br>1952          | URET URET URET URET URET URET URET URET | 709  199  1,553  2,461  57  118  154      | Retire | \$303.16<br>\$3,413.87<br>\$4,558.54<br>\$22.50<br>\$43.00<br>\$94.18<br>\$41.07         |
| Retirement Unit Asset Description  Disted Retirements:  Dissouri West  D401-043050 JACKSON CTY/K  376100-Mains - Steel Mains-Steel 2"  OCR  OCR  Mains-Steel 3"  OCR  380100-Services - Steel Services-Steel OCR OCR OCR OCR OCR OCR OCR OCR      | (C<br>,              | at in Service        | 1952<br>1966<br>1954<br>Utility Accounts<br>1925<br>1928<br>1952<br>1963 | URET URET URET URET URET URET URET URET | 709  199  1,553  2,461  57  118  154  35  | Retire | \$303.16<br>\$3,413.87<br>\$4,558.54<br>\$22.50<br>\$43.00<br>\$94.18<br>\$41.07         |
| Retirement Unit Asset Description  osted Retirements:  flissouri West 0401-043050 JACKSON CTY/K 376100-Mains - Steel Mains-Steel 2"  OCR  OCR  Mains-Steel 3"  OCR  380100-Services - Steel Services-Steel  OCR  OCR  OCR  OCR  OCR  OCR  OCR  OC | (C<br>,              | at in Service        | 1952<br>1966<br>1954<br>Utility Accounts<br>1925<br>1928<br>1952<br>1963 | URET URET URET URET URET URET URET URET | 709  199  1,553  2,461  57  118  154  35  | Retire |  |

|   | **   | ***** W         | ork Order Retirements | ****          |                 |            |  |
|---|--|-----------------|-----------------------|---------------|-----------------|------------|--|
| Business Segme Asset Location Utility Accoun Retirement | t  | GL Account      | ×                     | Vintage       | Activity        | Retire Qty | Retirement Amount  |
| Posted Retiremen  |  |                 |                       | Villago       | oouo            | retire Qty | Retirement Amount  |
| Missouri West<br>0401-043050 JA                         | ACKSON CTY/KC<br>es - Plastic & Copper<br>Services-Plastic | 101000::Gas Pla | ant in Service        |               | v<br>E          |            | Market Still 1 or a state of the state of th |
| OCR   | Services-Plastic   |                 |                       | 1991          | URET            | 11         | \$126.47   |
| OCR   |  |                 |                       | 1991          | URET            | 26         | \$228.45   |
| OCR   |  |                 |                       | 1992          | URET            | 176        | \$1,971.48   |
| OCR   |  |                 |                       | 1993          | URET            | 3          | \$1,971.46   |
| OCR   |  |                 |                       | 1999          | URET            | 76         | \$853.01   |
| OCR   |  |                 |                       | 2002          | URET            | 49         | \$886.28   |
| OCR   |  |                 |                       | 2004          | URET            | 2          | \$37.20  |
| OCR   | 8  |                 |                       | 2007          | URET            | 4          | \$86.72  |
|   |  |                 |                       | Utility Accou | ınt Total:      | 407        | \$4,940.90   |
|   |  |                 |                       | Locati        | on Total:       | 3,232      | \$9,700.19   |
|   |  |                 |                       | GL Accou      | ınt Total:      | 3,232      | \$9,700.19   |
|   |  |                 |                       | Posted Reti   | rements:        | 3,232      | \$9,700.19   |
|   |  |                 |                       | Work Ord      | —<br>ler Total: | 3,232      | \$9,700.19   |

6/17/19 12:51pm

Page 6 of 6

**Header Detail** 

Work Order: 801873

Company: Spire Missouri Inc.

Work Order Title: Repl 2175F 2-4P CP at Canterbury

Business Segment: Missouri West Functional Class: Distribution Plant

Wo Type Description: WO-Replacement Mains & Svcs MGE Work Order Group:

**Current Revision: 1** 

Department Code: 20921

Department Description: Region 2B - SW Missouri - Distribution - Union

Funding Project: F0572

Funding Project Desc: Main Replacement - ISRS (SW)

Budget Description: Replace bare steel main - safety re Est. Annual Revenue:

Eligible for AFUDC yes

Eligible for CPI: yes

Reimbursement Type: None

Reason Code: System Integrity

**Retirement Type:** 

WO Description: Install 630ft of 4in PL IP Main, 1545ft of 2in PL IP Main on Canterbury Lane and E 4th St.

Major Location: 0501-Joplin

Asset Location: 0501-044001 JASPER CTY/JOPLIN

Status: posted to CPR

Estimated Completion Date: Mar 27, 2018

Estimated In-Service Date:

Mar 27, 2018

Estimated Start Date: Feb 19, 2018

Notes: Abandon 5ft of 4in PL IP Main, 4ft of 3in PL IP Main, 36ft of 2in PL IP Main, 461ft of 3in ST IP Main, 1779ft of 2in ST IP Main, 50ft of 1 1/4in ST IP Main on Canterbury Lane and E 4th St. Total number of Tie overs 19, total number of replacements 3.

This main is being replaced as part of FY18 Bare ST replacement program and is having CP related issues and has an open

Reason for Work (Justification)

| Level                   | Approver           | Approval Limit | Date Approved |
|-------------------------|--------------------|----------------|---------------|
| Operational Accounting  | Muehlenkamp, Anne  | \$0            | 3/4/2018      |
| Engineering Review-Dist | § Hoeferlin, Craig | \$0            | 3/6/2018      |
| VP Field Operations-MGE | Hampton, Joe       | \$1,000,000    | 3/7/2018      |

| ***** Unit Estimate *****          |              |              |                       |                     |         |  |  |  |  |
|------------------------------------|--------------|--------------|-----------------------|---------------------|---------|--|--|--|--|
| Utility Account                    | Additions    | Removal Cost | Total<br>Expenditures | Retirement<br>Value | Salvage |  |  |  |  |
| 376100-Mains - Steel               | \$0.00       | \$967.36     | \$967.36              | \$0.00              | \$0.00  |  |  |  |  |
| 376300-Mains - Plastic             | \$145,705.12 | \$830.15     | \$146,535.27          | \$0.00              | \$0.00  |  |  |  |  |
| 380200-Services - Plastic & Copper | \$3,223.31   | \$346.57     | \$3,569.88            | \$0.00              | \$0.00  |  |  |  |  |
| Total Estimated Costs:             | \$148,928.43 | \$2,144.08   | \$151,072.51          | \$0.00              | \$0.0   |  |  |  |  |

| set Location                     |                  | =                                |          |            |         |            |
|----------------------------------|------------------|----------------------------------|----------|------------|---------|------------|
| Utility Account                  |                  |                                  |          |            |         | g full     |
| Retirement Unit<br>Est. Chg Type | Addition Dollars | Retirement Dollars               | Add Qty  | Retire Qty | Add Hrs | Retire Hrs |
| 0501-044001 JASPER CTY/JOPLIN    |                  |                                  | 35.      |            |         |            |
| 376300-Mains - Plastic           |                  |                                  |          |            |         |            |
| Mains-Plastic 2"                 |                  |                                  |          |            |         |            |
| Contract Payroll                 | \$679.00         | \$0.00                           | 0        | 0          | 0       | 0          |
| Contractor Work                  | \$64,755.12      | \$190.98                         | 0        | 0          | 0       | 0          |
| Department Clearings             | \$587.34         | \$0.00                           | 0        | 0          | 0       | 0          |
| Overheads Capitalized - Benefits | \$379.56         | \$0.00                           | 0        | 0          | 0       | 0          |
| Overheads Capitalized - General  | \$28,987.37      | \$81.97                          | 0        | 0          | 0       | 0          |
| Payroll Taxes                    | \$103.21         | \$0.00                           | 0        | 0          | 0       | 0          |
| Retirement Value                 | \$0.00           | \$0.00                           | 0        | 36         | 0       | 0          |
| Stores                           | \$3,348.20       | \$1.88                           | 1545     | 0          | 0       | 0          |
| Mains-Plastic 3"                 |                  |                                  |          |            |         |            |
| Contractor Work                  | \$0.00           | \$10.52                          | 0        | 0          | 0       | 0          |
| Overheads Capitalized - General  | \$0.00           | \$4.47                           | 0        | 0          | 0       | , 0        |
| Retirement Value                 | \$0.00           | \$0.00                           | 0        | 4          | 0       | 0          |
| Mains-Plastic 4"                 |                  |                                  |          |            |         |            |
| Contract Payroll                 | \$305.55         | \$0.00                           | 0        | 0          | 0       | 0          |
| Contractor Work                  | \$29,797.24      | \$371.44                         | 0        | 0          | 0       | 0          |
| Department Clearings             | \$264.30         | \$0.00                           | 0        | 0          | 0       | 0          |
| Overheads Capitalized - Benefits | \$170.80         | \$0.00                           | 0        | 0          | 0       | 0          |
| Overheads Capitalized - General  | \$13,756.35      | \$161.15                         | 0        | 0          | 0       | 0          |
| Payroll Taxes                    | \$46.44          | \$0.00                           | 0        | 0          | 0       | 0          |
| Retirement Value                 | \$0.00           | \$0.00                           | 0        | 5          | 0       | 0          |
| Stores                           | \$2,524.64       | \$7.74                           | 630      | 0          | 0       | 0          |
| SubTotal Utility Account:        | \$145,705.12     | \$830.15                         | 2,175.00 | 45.00      | 0.00    | 0.00       |
| 376100-Mains - Steel             |                  |                                  |          |            |         |            |
| Mains-Steel 2"                   | fr. Salar        | production through the pre-cases |          |            |         |            |
| Contract Payroll                 | \$0.00           | \$271.60                         | 0        | . 0        | 0       | 0          |
| Contractor Work                  | \$0.00           | \$165.16                         | 0        | 0          | 0       | 0          |
| Department Clearings             | \$0.00           | \$234.93                         | 0        | 0          | 0       | 0          |
| Overheads Capitalized - Benefits | \$0.00           | \$151.82                         | 0        | . 0        | 0       | 0          |
| Overheads Capitalized - General  | \$0.00           | \$87.58                          | 0        | 0          | 0       | 0          |
| Payroll Taxes                    | \$0.00           | \$41.28                          | 0        | 0          | 0       | 0          |
| Retirement Value                 | \$0.00           | \$0.00                           | 0        | 1829       | 0       | 0          |
| Mains-Steel 3"                   | 20200000         | - Fig. 1                         | 39       |            |         | 49         |
| Contractor Work                  | \$0.00           | \$10.52                          | 0        | 0          | 0       | 0          |
| Overheads Capitalized - General  | \$0.00           | \$4.47                           | 0        | 0          | 0       | 0          |
| Retirement Value                 | \$0.00           | \$0.00                           | 0        | 461        | 0       | 0          |
| SubTotal Utility Account:        | \$0.00           | \$967.36                         | 0.00     | 2,290.00   | 0.00    | 0.00       |

|  | ****             | Unit Estimate ***** |          |            |         |            |
|--|------------------|---------------------|----------|------------|---------|------------|
| usset Location Utility Account Retirement Unit Est. Chg Type | Addition Dollars | Retirement Dollars  | Add Qty  | Retire Qty | Add Hrs | Retire Hrs |
| 0501-044001 JASPER CTY/JOPLIN                                | 9 g              | all a se            |          |            |         |            |
| 380200-Services - Plastic & Copper                           |                  |                     |          |            |         |            |
| Services-Plastic   |                  |                     |          |            |         |            |
| Contractor Work  | \$2,069.10       | \$243.21            | 0        | 0          | 0       | 0          |
| Overheads Capitalized - General                              | \$961.34         | \$103.36            | 0        | 0          | 0       | 0          |
| Stores   | \$192.87         | \$0.00              | 0        | 0          | 0       | 0          |
| SubTotal Utility Account:                                    | \$3,223.31       | \$346.57            | 0.00     | 0.00       | 0.00    | 0.00       |
| SubTotal Location:   | \$148,928.43     | \$2,144.08          | 2,175.00 | 2,335.00   | 0.00    | 0.00       |
| Total Unit Estimate:   | \$148,928.43     | \$2,144.08          | 2,175    | 2,335      | 0       | 0          |

\*\*\*\*\* Class Codes \*\*\*\*\*

|  | Class Code                         |  | Value                                    |  |          |
|--|------------------------------------|--|--|--|----------|
|  | cap_expens                         | е  | capital                                  |  |          |
|  | CWIP Prope                         | erty Tax Type  | MO-CWIP-Distribution Real                |  |          |
|  | ISRS Reaso                         | on   | 03 - Bare Steel Replacement              |  |          |
|  | isrs_recov                         |  | yes                                      |  |          |
|  | ohbenefits                         |  | yes                                      |  |          |
|  | ohgen_supv                         | To the state of th | yes                                      |  |          |
|  | prod_nonpro                        | od   | prod                                     |  |          |
| 1  | Project Clas                       | sification   | both                                     |  |          |
|  |                                    | ***  | *** As-Built *****                       | Гы   |          |
| Asset Location<br>Utility Account<br>Exp Type  | H S                                |  | 0 10 10 10 10 10 10 10 10 10 10 10 10 10 | 0.00   | 10.      |
| Est Charge Type  |                                    | Retirement Unit  | Job task                                 | Dollars  | Quantity |
| sed in Unitization:  | - r.h                              | я —  |  |  |          |
| sed in Unitization:  | TY/JOPLIN                          | Mains-Steel 2"   |  | \$19.62  | C        |
| sed in Unitization:<br>0501-044001 JASPER C<br>376100-Mains - Steel<br>Retirement  | TY/JOPLIN                          | Mains-Steel 2"   |  | \$19.62  | C        |
| sed in Unitization:<br>0501-044001 JASPER C<br>376100-Mains - Steel<br>Retirement<br>Contract Payroll  | TY/JOPLIN                          |  |  |  | 0        |
| sed in Unitization:  0501-044001 JASPER C  376100-Mains - Steel  Retirement  Contract Payroll  Contract Work   | TY/JOPLIN                          | Mains-Steel 3"   |  | \$568.08   | O        |
| sed in Unitization: 0501-044001 JASPER C 376100-Mains - Steel Retirement Contract Payroll  Contractor Work Contractor Work   |                                    |  |  | \$568.08<br>\$2,503.76                                     | 0        |
| sed in Unitization: 0501-044001 JASPER C 0501-044001 JASPER C 0501-044001 JASPER C 0501-044001 JASPER C 0501-04001 JASPER C 05 | s                                  | Mains-Steel 3"<br>Mains-Steel 2"   |  | \$568.08   | 0000     |
| sed in Unitization: 0501-044001 JASPER C 376100-Mains - Steel Retirement Contract Payroll  Contractor Work Contractor Work   | s<br>ed - Benefits                 | Mains-Steel 3"<br>Mains-Steel 2"<br>Mains-Steel 2"   |  | \$568.08<br>\$2,503.76<br>\$16.97                          |          |
| sed in Unitization: 0501-044001 JASPER C 376100-Mains - Steel Retirement Contract Payroll  Contractor Work Contractor Work Department Clearing Overheads Capitalize  | s<br>ed - Benefits<br>ed - General | Mains-Steel 3" Mains-Steel 2" Mains-Steel 2" Mains-Steel 2"  |  | \$568.08<br>\$2,503.76<br>\$16.97<br>\$10.97               | 000      |
| sed in Unitization: 0501-044001 JASPER C 376100-Mains - Steel Retirement Contract Payroll  Contractor Work Contractor Work Department Clearing Overheads Capitalize Overheads Capitalize   | s<br>ed - Benefits<br>ed - General | Mains-Steel 3" Mains-Steel 2" Mains-Steel 2" Mains-Steel 2" Mains-Steel 2"   |  | \$568.08<br>\$2,503.76<br>\$16.97<br>\$10.97<br>\$1,065.35 |          |

| sset Location                        | . 4.,                            |  |                                |                     | red and he |
|--------------------------------------|----------------------------------|--|--------------------------------|---------------------|------------|
| Itility Account                      |                                  |  |                                |                     |            |
| Ехр Туре                             |                                  |  |                                |                     |            |
| Est Charge Type                      | Retirement Unit                  | Job ta   | sk                             | Dollars             | Quantit    |
|                                      |                                  |  |                                |                     |            |
| ed in Unitization:                   |                                  |  |                                |                     |            |
| 501-044001 JASPER CTY/JOPLIN         |                                  |  |                                |                     |            |
| 76100-Mains - Steel                  |                                  |  |                                |                     |            |
| Retirement Value                     | Mains-Steel 2"                   |  |                                | \$284.24            | 4          |
| Retirement Value                     | Mains-Steel 2"                   |  |                                | \$178.68            | 17         |
| Retirement Value                     | Mains-Steel 2"                   |  |                                | \$1,000.08          | 37         |
| Retirement Value                     | Mains-Steel 2"                   |  |                                | \$448.33            | 18         |
|                                      | Mains-Steel 3"                   |  |                                | \$573.82            | 22         |
| Retirement Value                     | Mains-Steel 2"                   |  |                                | \$831.16            | 76         |
| Retirement Value Retirement Value    | Mains-Steel 2"                   |  |                                | \$431.56            | 3          |
| Retirement Value                     |                                  |  |                                | \$745.17            | 18         |
|                                      | Mains-Steel 3"                   |  |                                | 25                  | 10         |
| Retirement Value<br>Retirement Value | Mains-Steel 2"<br>Mains-Steel 2" |  |                                | \$202.68<br>\$90.71 | 2          |
| Tromonion value                      | mano otoor 2                     | <br>Retirement   | Total:                         | \$9,445.27          | 2,22       |
| 76300-Mains - Plastic                |                                  | -  |                                | 71,77               |            |
| Addition                             |                                  |  |                                |                     |            |
| Contract Payroll                     | Mains-Plastic 4"                 |  |                                | \$11,650.69         |            |
| Contract Payroll                     | Mains-Plastic 2"                 |  |                                | \$20,970.50         |            |
| Contractor Work                      | Mains-Plastic 4"                 |  |                                | \$6,172.92          |            |
| Contractor Work                      | Mains-Plastic 2"                 |  |                                | \$15,540.54         |            |
| Department Clearings                 | Mains-Plastic 2"                 |  |                                | \$18,139.48         |            |
| Department Clearings                 | Mains-Plastic 4"                 |  |                                | \$10,077.85         |            |
| Overheads Capitalized - Benefits     | Mains-Plastic 2"                 |  |                                | \$11,722.51         |            |
| Overheads Capitalized - Benefits     | Mains-Plastic 4"                 |  |                                | \$6,512.74          |            |
| Overheads Capitalized - General      | Mains-Plastic 2"                 |  |                                | \$9,372.89          |            |
| Overheads Capitalized - General      | Mains-Plastic 4"                 |  |                                | \$4,242.68          |            |
| Payroll Taxes                        | Mains-Plastic 4"                 |  |                                | \$1,770.90          |            |
| Payroll Taxes                        | Mains-Plastic 2"                 |  |                                | \$3,187.52          |            |
| Stores                               | Mains-Plastic 2"                 |  |                                | \$3,355.40          | 1,48       |
| Stores                               | Mains-Plastic 4"                 |  |                                | \$2,055.41          | 62         |
|                                      |                                  | Addition   | Total:                         | \$124,772.03        | 2,11       |
| Retirement                           |                                  | Management of the second of th | A CONTRACTOR OF THE CONTRACTOR | - 11/11             | 3. 4       |
| Contract Payroll                     | Mains-Plastic 3"                 |  |                                | \$323.38            |            |
| Contractor Work                      | Mains-Plastic 3"                 |  |                                | \$10.52             |            |
| Contractor Work                      | Mains-Plastic 2"                 |  |                                | \$84.16             |            |
| Department Clearings                 | Mains-Plastic 3"                 |  |                                | \$279.72            |            |
| Overheads Capitalized - Benefits     | Mains-Plastic 3"                 |  |                                | \$180.77            |            |
| Overheads Capitalized - General      | Mains-Plastic 3"                 |  |                                | \$27.18             |            |
| Overheads Capitalized - General      | Mains-Plastic 2"                 |  |                                | \$35.77             |            |
| Payroll Taxes                        | Mains-Plastic 3"                 |  |                                | \$49.15             |            |
| Retirement Value                     | Mains-Plastic 3"                 |  |                                | \$536.23            |            |
| Retirement Value                     | Mains-Plastic 2"                 |  |                                | \$231.87            | 3          |
| Retirement Value                     | Mains-Plastic 2"                 |  |                                | \$365.51            | 3          |
| Stores                               | Mains-Plastic 3"                 |  |                                | \$4.73              |            |
| ·                                    |                                  | Retirement   | ** * *                         | \$2,128.99          | 6          |

| 3  |                   | **** As-Built ***** |                 |                    |                     |
|--|-------------------|---------------------|-----------------|--------------------|---------------------|
| Asset Location   |                   |                     | = = = =         |                    |                     |
| Utility Account  |                   |                     |                 |                    |                     |
| Exp Type   | Retirement Unit   |                     | lob took        | Dellara            | Quantity            |
| Est Charge Type  | Retirement Onit   |                     | Job task        | Dollars            | Quantity            |
|  |                   |                     | ii.             |                    |                     |
| sed in Unitization:                                      |                   |                     |                 |                    |                     |
| 0501-044001 JASPER CTY/JOPLIN<br>380100-Services - Steel |                   |                     |                 |                    |                     |
| Retirement   |                   |                     |                 |                    |                     |
| Contract Payroll   | Services-Steel    |                     |                 | \$204.62           | 0                   |
| Contractor Work  | Services-Steel    |                     |                 | \$10.52            | 0                   |
| Department Clearings                                     | Services-Steel    |                     |                 | \$177.00           | 0                   |
| Overheads Capitalized - Benefits                         | Services-Steel    |                     |                 | \$114.38           | 0                   |
| Overheads Capitalized - General                          | Services-Steel    |                     |                 | \$17,57            | 0                   |
| Payroll Taxes  | Services-Steel    |                     |                 | \$31.10            | 0                   |
| Retirement Value   | Services-Steel    |                     |                 | \$27.81            | 15                  |
| Retirement Value   | Services-Steel    |                     |                 | \$126.57           | 32                  |
|  | 00111000 01001    | Pot                 | irement Total:  | \$709.57           | 47                  |
| 380200-Services - Plastic & Copper                       |                   | Ket                 | irement Total.  | \$105.51           | - 41                |
| Addition   |                   |                     | *               |                    |                     |
| Contract Payroll   | Services-Plastic  |                     |                 | \$1,740.78         | 0                   |
| Department Clearings                                     | Services-Plastic  |                     |                 | \$1,505.77         | 0                   |
| Overheads Capitalized - Benefits                         | Services-Plastic  | ω                   |                 | \$973.10           | 0                   |
| Overheads Capitalized - General                          | Services-Plastic  |                     |                 | \$279.33           | 0                   |
| Payroll Taxes  | Services-Plastic  |                     |                 | \$264.60           | 0                   |
| Stores   | Services-Plastic  |                     |                 | \$395.10           | 270                 |
|  |                   |                     | Addition Total: | \$5,158.68         | 270                 |
| Retirement   |                   | <u>.</u>            |                 | 70,100,00          | 1001.8              |
| Contractor Work  | Services-Plastic  |                     |                 | \$10.52            | 0                   |
| Overheads Capitalized - General                          | Services-Plastic  |                     |                 | \$4.47             | 0                   |
| Retirement Value   | Services-Plastic  |                     |                 | \$201.98           | 25                  |
| Retirement Value   | Services-Plastic  |                     |                 | \$100.72           | 11                  |
| Retirement Value   | Services-Plastic  |                     |                 | \$309.67           | 30                  |
| Retirement Value   | Services-Plastic  |                     |                 | \$144.60           | 9                   |
| Retirement Value   | Services-Plastic  |                     |                 | \$2,330.34         | 127                 |
| Retirement Value   | Services-Plastic  |                     |                 | \$360.42           | 41                  |
|  | l l               | Ret                 | irement Total:  | \$3,462.72         | 243                 |
| . 1  | 4                 | Addition Dollars    | Add Qty         | Retirement Dollars | Retire Qty          |
|  | Location Total:   | \$129,930.71        | 2,381           | \$15,746.55        | 2,583               |
| * 11   |                   | Addition Dollars    | Add Qty         | Retirement Dollars | Potico Obe          |
| Ues  | d in Unitization: | \$129,930.71        | 2,381           | \$15,746.55        | Retire Qty<br>2,583 |
| Use  | a in Omtization.  |                     |                 | Warning Co.        |                     |
| W. C   | Fathers T. L.     | Addition Dollars    | Add Qty         | Retirement Dollars | Retire Qty          |
| Unit   | Estimate Total:   | \$129,930.71        | 2,381           | \$15,746.55        | 2,583               |

|                                    | ***** Work Order Retireme    | nts                  |             |            |                   |
|------------------------------------|------------------------------|----------------------|-------------|------------|-------------------|
| Business Segment                   | GL Account                   |                      |             |            |                   |
| Asset Location                     |                              |                      |             |            |                   |
| Utility Account                    |                              |                      |             |            |                   |
| Retirement Unit                    |                              | Vintage              | Activity    | Retire Qty | Retirement Amoun  |
| Asset Description                  |                              | Village              | Coue        | Retire Qty | Retirement Amount |
| osted Retirements:                 |                              |                      |             |            |                   |
| Missouri West                      | 101000::Gas Plant in Service |                      |             | 1 - 1 -    |                   |
| 0501-044001 JASPER CTY/JOPLIN      |                              |                      |             |            |                   |
| 376100-Mains - Steel               |                              |                      |             |            |                   |
| Mains-Steel 2"                     |                              |                      |             |            |                   |
| OCR                                |                              | 1952                 | URET        | 179        | \$178.68          |
| OCR                                |                              | 1956                 | URET        | 767        | \$831.16          |
| OCR                                |                              | 1959                 | URET        | 107        | \$202.68          |
| OCR                                |                              | 1960                 | URET        | 101        | \$229.68          |
| OCR                                |                              | 1964                 | URET        | 371        | \$1,000.08        |
| OCR                                |                              | 1969                 | URET        | 182        | \$448.33          |
| OCR                                |                              | 1972                 | URET        | 23         | \$90.71           |
| OCR                                |                              | 1977                 | URET        | 49         | \$284.24          |
| OCR                                |                              | 1993                 | URET        | 34         | \$431.56          |
| Mains-Steel 3"                     |                              |                      |             |            |                   |
| OCR                                |                              | 1969                 | URET        | 224        | \$573.82          |
| OCR                                |                              | 1972                 | URET        | 187        | \$745.17          |
|                                    |                              | Utility Accou        | nt Total:   | 2,224      | \$5,016.11        |
| 376300-Mains - Plastic             |                              |                      | TH TH       |            |                   |
| Mains-Plastic 2"                   |                              |                      |             |            |                   |
| OCR Mains-1 lastic 2               |                              | 1986                 | URET        | 32         | \$231.87          |
| OCR                                |                              | 2001                 | URET        | 30         | \$365.51          |
| Mains-Plastic 3"                   |                              | 2001                 | OILL        | 00         | <b>Q</b> 000.01   |
| OCR                                |                              | 2006                 | URET        | 7          | \$536.23          |
| OCK                                | 981                          |                      | -           |            |                   |
|                                    |                              | Utility Accou        | nt lotal: _ | 69         | \$1,133.61        |
| 380100-Services - Steel            |                              |                      |             |            |                   |
| Services-Steel                     |                              |                      |             |            |                   |
| OCR                                |                              | 1960                 | URET        | 15         | \$27.81           |
| OCR                                |                              | 1972                 | URET        | 32         | \$126.57          |
|                                    |                              | <b>Utility Accou</b> | nt Total:   | 47         | \$154.38          |
| 380200-Services - Plastic & Copper |                              |                      |             |            |                   |
| Services-Plastic                   |                              |                      |             |            |                   |
| OCR                                |                              | 1987                 | URET        | 30         | \$309.67          |
| OCR                                |                              | 1989                 | URET        | 9          | \$144.60          |
| OCR                                |                              | 1994                 | URET        | 41         | \$360.42          |
| OCR                                |                              | 1995                 | URET        | 127        | \$2,330.34        |
| OCR                                |                              | 1997                 | URET        | 11         | \$100.72          |
| OCR                                |                              | 2000                 | URET        | 25         | \$201.98          |
| OOK                                |                              |                      |             |            |                   |
|                                    |                              | Utility Accou        | -           | 243        | \$3,447.73        |
|                                    |                              | Location             | on Total: _ | 2,583      | \$9,751.83        |
|                                    |                              | GL Accou             | nt Total:   | 2,583      | \$9,751.83        |
|                                    |                              | Posted Retir         | ements:     | 2,583      | \$9,751.83        |
|                                    |                              | Ei                   |             |            |                   |
|                                    |                              | Work Ord             | er Total:   | 2,583      | \$9,751.83        |

Page 6 of 6

**Header Detail** 

Work Order: 801165

Work Order Title: Repl 70F 8-16S Langsford & MO Rt 7

Wo Type Description: WO-Replacement Mains & Svcs MGE

Work Order Group:

**Current Revision: 2** 

Funding Project: F0604

Funding Project Desc: Main Replacement - ISRS (S)

Eligible for AFUDC yes

Eligible for CPI: yes

Reason Code: Safety

Company: Spire Missouri Inc.

Business Segment: Missouri West

Functional Class: Distribution Plant

Department Code: 20638

Department Description: Construction & Maintenance - Region 2B - Unio

Budget Description: Replace bare steel main - safety re

Est. Annual Revenue:

Reimbursement Type: None

Retirement Type:

WO Description: Install ~40 Ft of 8in ST FP Main, ~30 Ft of 16in ST FP Main. Abandon ~40 Ft of 8in ST FP Main, ~30 Ft of 16in ST FP Main.

Major Location: 0931-Lake Lotawana

Asset Location: 0931-043044 JACKSON CTY/LOTOWANA

Status: in service

Estimated Start Date: Jun 11, 2018

Estimated Completion Date: Jun 15, 2018

Estimated In-Service Date:

lun 15 2018

Notes: We have a 16" Bridle Valve Setting fed by Drinkwater at Langsford Rd & MO Route 7. The 16" pipe 45s above ground with a 16" valve. There are 2 - 8" valves that take off on either side of the 16" valve & then go below ground & north on MO Rte 7 to

feed Blue Springs. West of the Bridle Valve Setting the 16" main is capped with an 8" side valve that then goes West on Langsford Road to feed Lees Summit. The 8" valve feeding LS is leaking & the Class 3 leak is due this August. L&M is unable to repack the valve & can't fix leak. There is not enough room b/w the 8" valve &16" pipe to stopper the 8" to replace valve. I don't believe a Bridle Valve setting is necessary as the feed is one way coming from the East. Please review the Master Plan to confirm that this will not become a two way feed. We could hire TDW Services to stopper the 16" main East of the Valve Setting and and install an 8" valve below ground to feed North and an 8" valve below ground to feed West. Please provide a design

Reason for Work (Justification)

| Level                   | Approver           | Approval Limit | Date Approved |
|-------------------------|--------------------|----------------|---------------|
| Operational Accounting  | Muehlenkamp, Anne  | \$0            | 6/19/2018     |
| Engineering Review-Dist | § Hoeferlin, Craig | \$0            | 6/21/2018     |
| VP Field Operations-MGE | Hampton, Joe       | \$1,000,000    | 6/22/2018     |

| ***** Unit Estimate ***** |              |              |                       |                     |         |  |  |  |
|---------------------------|--------------|--------------|-----------------------|---------------------|---------|--|--|--|
| Utility Account           | Additions    | Removal Cost | Total<br>Expenditures | Retirement<br>Value | Salvage |  |  |  |
| 376100-Mains - Steel      | \$126,137.89 | \$17,773.33  | \$143,911.22          | \$0.00              | \$0.00  |  |  |  |
| Total Estimated Costs:    | \$126,137.89 | \$17,773.33  | \$143,911.22          | \$0.00              | \$0.00  |  |  |  |

|  | ****             | Unit Estimate ***** |         |            |         |            |
|--|------------------|---------------------|---------|------------|---------|------------|
| sset Location<br>Utility Account<br>Retirement Unit<br>Est. Chg Type | Addition Dollars | Retirement Dollars  | Add Qty | Retire Qty | Add Hrs | Retire Hrs |
| 0931-043044 JACKSON CTY/LOTOV  |                  | · .                 |         |            |         |            |
| 376100-Mains - Steel   |                  |                     |         |            |         |            |
| Mains-Steel 16"  |                  | 16 E                |         |            |         |            |
| Contract Payroll   | \$782.40         | \$130.40            | 0       | 0          | 0       | 0          |
| Contractor Work  | \$5,320.26       | \$6,441.30          | 0       | 0          | 0       | 0          |
| Department Clearings   | \$676.78         | \$112.80            | 0       | 0          | 0       | 0          |
| Overheads Capitalized - Benefits                                     | \$437.36         | \$72.89             | 0       | 0          | 0       | 0          |
| Overheads Capitalized - General                                      | \$15,635.07      | \$2,745.90          | 0       | 0          | 0       | C          |
| Payroll Taxes  | \$118.92         | \$19.82             | 0       | 0          | 0       | 0          |
| Retirement Value   | \$0.00           | \$0.00              | 0       | 90         | 0       | 0          |
| Stores   | \$31,350.33      | \$0.00              | 30      | 0          | 0       | 0          |
| Mains-Steel 8"   |                  |                     |         |            |         |            |
| Contract Payroll   | \$521.60         | \$130.40            | 0       | 0          | 0       | 0          |
| Contractor Work  | \$9,586.88       | \$5,548.04          | 0       | 0          | 0       | 0          |
| Department Clearings   | \$451.18         | \$112.80            | 0       | 0          | 0       | 0          |
| Overheads Capitalized - Benefits                                     | \$291.57         | \$72.89             | 0       | 0          | 0       | 0          |
| Overheads Capitalized - General                                      | \$21,041.73      | \$2,366.27          | 0       | 0          | 0       | 0          |
| Payroll Taxes  | \$79.28          | \$19.82             | 0       | 0          | 0       | 0          |
| Retirement Value   | \$0.00           | \$0.00              | 0       | 120        | 0       | 0          |
| Stores   | \$39,844.53      | \$0.00              | 40      | 0          | 0       | 0          |
| SubTotal Utility Account:  | \$126,137.89     | \$17,773.33         | 70.00   | 210.00     | 0.00    | 0.00       |
| SubTotal Location:   | \$126,137.89     | \$17,773.33         | 70.00   | 210.00     | 0.00    | 0.00       |
| Total Unit Estimate:   | \$126,137.89     | \$17,773.33         | 70      | 210        | 0       | 0          |

|      | ***** Class Codes ***** |   |  |  |  |  |
|------|-------------------------|---|--|--|--|--|
| K 10 | Class Code              | Value                                       |  |  |  |  |
|      | cap_expense             | capital                                     |  |  |  |  |
|      | CWIP Property Tax Type  | MO-CWIP-Distribution Real                   |  |  |  |  |
|      | ISRS Reason             | 06 - Other Legacy Main Material Replacement |  |  |  |  |
|      | isrs_recov              | yes   |  |  |  |  |
|      | ohbenefits              | yes   |  |  |  |  |
|      | ohgen_supv              | yes   |  |  |  |  |
|      | prod_nonprod            | prod  |  |  |  |  |
|      | Project Classification  | both  |  |  |  |  |

|                                  |  | ***** As-Built *****             |                 |                                   |                  |
|----------------------------------|--|----------------------------------|-----------------|-----------------------------------|------------------|
| Asset Location                   |  |                                  |                 |                                   |                  |
| Utility Account                  |  |                                  |                 |                                   |                  |
| Exp Type                         | Detironent Huit  |                                  | lab task        | Dellara                           | Quantity         |
| Est Charge Type                  | Retirement Unit  |                                  | Job task        | Dollars                           | Quantity         |
| vailable for Unitization:        |  |                                  |                 |                                   |                  |
| )931-043044 JACKSON CTY/LOTOWAN  | IA.  |                                  |                 |                                   |                  |
| 376100-Mains - Steel             | <b>1</b> 0   |                                  |                 |                                   |                  |
| Addition                         |  |                                  |                 |                                   |                  |
| Contract Payroll                 | Mains-Steel 16"  |                                  |                 | \$1,251.95                        | 0                |
| Contract Payroll                 | Mains-Steel 8"   |                                  |                 | \$1,251.95                        | 0                |
| Contractor Work                  | Mains-Steel 8"   |                                  |                 | \$16,586.90                       | 0                |
| Contractor Work                  | Mains-Steel 16"  |                                  |                 | \$24,884.56                       | 0                |
| Department Clearings             | Mains-Steel 16"  |                                  |                 | \$1,840.37                        | 0                |
| Department Clearings             | Mains-Steel 8"   |                                  |                 | \$1,840.37                        | 0                |
| Overheads Capitalized - Benefits | Mains-Steel 16"  |                                  |                 | \$1,101.72                        | 0                |
| Overheads Capitalized - Benefits | Mains-Steel 8"   |                                  |                 | \$1,101.72                        | 0                |
| Overheads Capitalized - General  | Mains-Steel 16"  |                                  |                 | \$54,344.08                       | 0                |
| Overheads Capitalized - General  | Mains-Steel 8"   |                                  |                 | \$34,924.81                       | 0                |
| Payroll Taxes                    | Mains-Steel 8"   |                                  |                 | \$190.30                          | 0                |
| Payroll Taxes                    | Mains-Steel 16"  |                                  |                 | \$190.30                          | 0                |
| Stores                           | Mains-Steel 8"   |                                  |                 | \$40,476.02                       | 30               |
| Stores                           | Mains-Steel 16"  |                                  |                 | \$64,013.23                       | 18               |
| Stores                           | Mains-Steel 10   |                                  |                 | Waster to the second second       |                  |
| Delicement                       |  |                                  | Addition Total: | \$243,998.28                      | 48               |
| Retirement<br>Contract Payroll   | Mains-Steel 8"   |                                  |                 | \$35.77                           | 0                |
| per o vene E ven                 | Mains-Steel 16"  |                                  |                 | \$35.77<br>\$35.77                | 0                |
| Contract Payroll Contractor Work | Mains-Steel 8"   |                                  |                 | \$7,869.64                        | 0                |
|                                  | 17017000 1800000000  |                                  |                 | W.C. \$25,03 C.                   |                  |
| Contractor Work                  | Mains-Steel 16"  |                                  |                 | \$4,070.98                        | 0                |
| Department Clearings             | Mains-Steel 16"  |                                  |                 | \$52.58                           | 0                |
| Department Clearings             | Mains-Steel 8"   |                                  |                 | \$52.58                           | 0                |
| Overheads Capitalized - Benefits | Mains-Steel 16"  |                                  |                 | \$31.48                           | 0                |
| Overheads Capitalized - Benefits | Mains-Steel 8"   |                                  |                 | \$31.48                           | 0                |
| Overheads Capitalized - General  | Mains-Steel 16"  |                                  |                 | \$2,486.62                        | 0                |
| Overheads Capitalized - General  | Mains-Steel 8"   |                                  |                 | \$4,803.81                        | 0                |
| Payroll Taxes                    | Mains-Steel 16"  |                                  |                 | \$5.44                            | 0                |
| Payroll Taxes                    | Mains-Steel 8"   |                                  |                 | \$5.44                            | 0                |
| Retirement Value                 | Mains-Steel 8"   |                                  |                 | \$138.12                          | 13               |
| Retirement Value                 | Mains-Steel 8"   |                                  |                 | \$169.49                          | 5                |
|                                  |  | Re                               | tirement Total: | \$19,789.20                       | 18               |
|                                  | Location Total:  | Addition Dollars<br>\$243,998.28 | Add Qty<br>48   | Retirement Dollars<br>\$19,789.20 | Retire Qty<br>18 |
|                                  | The second secon | Addition Dollars                 | Add Qty         | Retirement Dollars                | Retire Qty       |
| Available                        | for Unitization:   | \$243,998.28                     | 48              | \$19,789.20                       | 18               |
| 11-16                            | Estimate Total:  | Addition Dollars<br>\$243,998.28 | Add Qty<br>48   | Retirement Dollars<br>\$19,789.20 | Retire Qty<br>18 |

|  | ***** Work Order Retireme    | nts *****                |            |            |    |           |          |
|--|------------------------------|--------------------------|------------|------------|----|-----------|----------|
| Business Segment GL Account Asset Location Utility Account Retirement Unit Asset Description |                              | Activity<br>Vintage Code |            | Retire Qty |    | Retiremen |          |
| Selected Retirements:  | *                            | 57 = 8.9                 |            |            |    | and mile  | of deal  |
| Missouri West<br>0931-043044 JACKSON CTY/LOTOWANA<br>376100-Mains - Steel                    | 101000::Gas Plant in Service |                          |            |            |    |           |          |
| Mains-Steel 8"   |                              |                          |            |            |    |           |          |
| OCR  |                              | 1964                     | URET       |            | 13 |           | \$138.12 |
| OCR  |                              | 1983                     | URET       | 3          | 5  |           | \$169.49 |
|  |                              | Utility Accou            | ınt Total: |            | 18 | WILL II   | \$307.61 |
|  |                              | Locati                   | on Total:  |            | 18 |           | \$307.61 |
|  |                              | GL Accou                 | ınt Total: |            | 18 | - Y       | \$307.61 |
|  |                              | Selected Reti            | rements:   |            | 18 |           | \$307.61 |
|  |                              | Work Ord                 | ier Total: |            | 18 |           | \$307.61 |

7/17/19 10:03am

Page 4 of 4

Header Detail

Work Order: 801930

Work Order Title: Repl 212F 4S Exposed Main Ash Grove

Wo Type Description: WO-Replacement Mains & Svcs MGE

Work Order Group:

**Current Revision: 2** 

Funding Project: F0572

Funding Project Desc: Main Replacement - ISRS (SW) Eligible for AFUDC yes

Reason Code: Safety

Eligible for CPI: yes

WO Description:Install ~ 212 Ft of 4 in ST FP Main due to exposure in Ash Grove.

Major Location: 0832-Ash Grove and Thomas

Asset Location: 0832-034005 GREENE CTY/ASH GROVE

Estimated Start Date: Apr 02, 2018

Estimated Completion Date: Apr 06, 2018

Estimated In-Service Date:

Department Description: Region 2B - SW Missouri - Distribution - Union

Budget Description: Replace bare steel main - safety re

Status: completed

Company: Spire Missouri Inc.

Business Segment: Missouri West Functional Class: Distribution Plant

Department Code: 20921

Est. Annual Revenue:

Reimbursement Type: None

Retirement Type:

Apr 06, 2018

Notes: Abandon ~ 200 Ft of 4 in ST FP Main due to exposure in Ash Grove. Replace exposed main off of Ash Grove's supply Line. The coatinghas been deteriorated and the pipe is in poor condition resulting inleak, this is ISRS recoverable. Per Jessica

Weissert the Estimate and the As Built are properly reflected with a difference in footage of 134 Feet.

Reason for Work (Justification)

| Level                   | Approver           | Approval Limit | Date Approved |
|-------------------------|--------------------|----------------|---------------|
| Operational Accounting  | Muehlenkamp, Anne  | \$0            | 1/29/2019     |
| Engineering Review-Dist | § Hoeferlin, Craig | \$0            | 2/7/2019      |
| VP Field Operations-MGE | Goodson, Timothy   | \$1,000,000    | 2/8/2019      |

| ***** Unit Estimate ***** |             |              |                       |                     |         |  |  |  |
|---------------------------|-------------|--------------|-----------------------|---------------------|---------|--|--|--|
| Utility Account           | Additions   | Removal Cost | Total<br>Expenditures | Retirement<br>Value | Salvage |  |  |  |
| 376100-Mains - Steel      | \$30,115.91 | \$466.92     | \$30,582.83           | \$0.00              | \$0.00  |  |  |  |
| Total Estimated Costs:    | \$30,115.91 | \$466.92     | \$30,582.83           | \$0.00              | \$0.00  |  |  |  |

|  | ****             | Unit Estimate ***** |         |            |         |            |
|--|------------------|---------------------|---------|------------|---------|------------|
| Asset Location Utility Account Retirement Unit Est. Chg Type | Addition Dollars | Retirement Dollars  | Add Qty | Retire Qty | Add Hrs | Retire Hṛs |
| 0832-034005 GREENE CTY/ASH GF                                |                  |                     |         |            |         | ű.         |
| 376100-Mains - Steel   |                  |                     |         |            |         |            |
| Mains-Steel 4"   |                  |                     |         |            |         |            |
| Contract Payroll   | \$536.55         | \$35.77             | 0       | 0          | 0       | 0          |
| Contractor Work  | \$12,129.54      | \$210.14            | 0       | 0          | 0       | 0          |
| Department Clearings   | \$788.73         | \$52.58             | 0       | 0          | 0       | 0          |
| Overheads Capitalized - Benefits                             | \$472.16         | \$31.48             | 0       | 0          | 0       | 0          |
| Overheads Capitalized - General                              | \$10,729.45      | \$131.51            | 0       | 0          | 0       | 0          |
| Payroll Taxes  | \$81.56          | \$5.44              | 0       | 0          | 0       | 0          |
| Retirement Value   | \$0.00           | \$0.00              | 0       | 400        | 0       | 0          |
| Stores   | \$5,377.92       | \$0.00              | 212     | 0          | 0       | 0          |
| SubTotal Utility Account:                                    | \$30,115.91      | \$466.92            | 212.00  | 400.00     | 0.00    | 0.00       |
| SubTotal Location:   | \$30,115.91      | \$466.92            | 212.00  | 400.00     | 0.00    | 0.00       |
| Total Unit Estimate:   | \$30,115.91      | \$466.92            | 212     | 400        | 0       | 0          |

|                                | ****            | Class Codes *****                  |              |          |
|--------------------------------|-----------------|------------------------------------|--------------|----------|
| Class Code                     | 9               | Value                              |              |          |
| cap_expens                     | se              | capital                            |              |          |
| ISRS Reas                      | on              | 07 - Cast Iron or Bare Steel Repla | cement - Cor |          |
| isrs_recov                     |                 | yes                                |              |          |
| ohbenefits                     |                 | yes                                |              |          |
| ohgen_sup                      | V               | yes                                |              |          |
| prod_nonpr                     | od              | prod                               |              |          |
| Project Clas                   | ssification     | both                               |              |          |
|                                | ***             | ** As-Built *****                  |              | 4        |
| Asset Location                 |                 |                                    |              |          |
| Utility Account                |                 |                                    | 5            |          |
| Ехр Туре                       |                 |                                    |              |          |
| Est Charge Type                | Retirement Unit | Job task                           | Dollars      | Quantity |
|                                |                 |                                    |              |          |
| vailable for Unitization:      |                 |                                    |              |          |
| 0832-034005 GREENE CTY/ASH GRO | VE              |                                    |              |          |
| 376100-Mains - Steel           |                 |                                    |              |          |
| Addition                       |                 |                                    |              |          |
| Contract Payroll               | Mains-Steel 4"  |                                    | \$11,329.74  | 0        |
|                                |                 |                                    |              |          |
| Contractor Work                | Mains-Steel 4"  |                                    | \$26,739.44  | 0        |
|                                | Mains-Steel 4"  |                                    | \$16,654.72  | 0        |
| Department Clearings           | Mains-Steel 4   |                                    | \$9,970.17   |          |

|  |                              | **** As-Built *****  |   |                                   |                            |
|--|------------------------------|----------------------|---|-----------------------------------|----------------------------|
| Asset Location   |                              |                      |   |                                   |                            |
| Utility Account  |                              |                      |   |                                   |                            |
| Exp Type   | D. C                         |                      | 1.30.2  | D. II.                            | Out with a                 |
| Est Charge Type  | Retirement Unit              |                      | Job task  | Dollars                           | Quantity                   |
| vailable for Unitization:  |                              |                      |   |                                   |                            |
| 0832-034005 GREENE CTY/ASH   | GROVE                        |                      |   |                                   |                            |
| 376100-Mains - Steel   |                              |                      |   |                                   |                            |
| Addition   |                              |                      |   |                                   |                            |
| Overheads Capitalized - Gen  | eral Mains-Steel 4"          |                      |   | \$22,090.74                       | 0                          |
| Payroll Taxes  | Mains-Steel 4"               |                      |   | \$1,722.12                        | 0                          |
| Stores   | Mains-Steel 4"               |                      |   | \$7,747.57                        | 346                        |
|  |                              |                      | Addition Total:   | \$96,254.50                       | 346                        |
| Retirement   |                              |                      |   | 27                                | 15                         |
| Contract Payroll   | Mains-Steel 4"               |                      |   | \$107.31                          | 0                          |
| Contractor Work  | Mains-Steel 4"               |                      |   | \$13,788.60                       | 0                          |
| Department Clearings   | Mains-Steel 4"               |                      |   | \$157.75                          | 0                          |
| Overheads Capitalized - Bene   |                              |                      |   | \$94.43                           | 0                          |
| Overheads Capitalized - Gen  |                              |                      | - 3   | \$9,433.71                        | 0                          |
| Payroll Taxes  | Mains-Steel 4"               |                      |   | \$16.31                           | 0                          |
| Retirement Value   | Mains-Steel 4"               |                      |   | \$3.30                            | 334                        |
| Stores   | Mains-Steel 4"               |                      |   | \$1,660.14                        | 0                          |
|  |                              | 50.42                | etirement Total:  | \$25,261.55                       | 334                        |
|  | T                            | Addition Dollars     | Add Qty   | Retirement Dollars<br>\$25,261.55 | Retire Qty                 |
| •  | Location Total:              | \$96,254.50          | 346   | \$25,201.55                       | 334                        |
|  |                              | Addition Dollars     | Add Qty   | Retirement Dollars                | Retire Qty                 |
| Av   | ailable for Unitization:     | \$96,254.50          | 346   | \$25,261.55                       | 334                        |
|  |                              | Addition Dollars     | Add Qty   | Retirement Dollars                | Retire Qty                 |
|  | Unit Estimate Total:         | \$96,254.50          | 346   | \$25,261.55                       | 334                        |
|  | ***** Wo                     | rk Order Retirements | ****  |                                   |                            |
| ST MENT OF DEATH OF STORES   |                              |                      |   |                                   |                            |
| -  | GL Account                   |                      |   |                                   |                            |
| Asset Location   | GL Account                   |                      |   |                                   |                            |
| Asset Location Utility Account   | GL Account                   |                      |   |                                   |                            |
| Asset Location Utility Account Retirement Unit   | GL Account                   |                      | Activity<br>Vintage Code  | Retire Qty Retire                 | ement Amount               |
| Asset Location Utility Account Retirement Unit Asset Description   | GL Account                   |                      | Activity  | Retire Qty Retire                 | ement Amount               |
| Asset Location Utility Account Retirement Unit Asset Description osted Retirements:  | GL Account  101000::Gas Plan | nt in Service        | Activity  | Retire Qty Retire                 | ement Amount               |
| Asset Location Utility Account Retirement Unit Asset Description osted Retirements:  Missouri West   | 101000::Gas Plan             | nt in Service        | Activity  | Retire Qty Retire                 | ement Amount               |
| Asset Location Utility Account Retirement Unit Asset Description Dested Retirements: Missouri West 0832-034005 GREENE CTY/ASH 376100-Mains - Steel               | 101000::Gas Plan             | nt in Service        | Activity  | Retire Qty Retire                 | ement Amount               |
| Asset Location Utility Account Retirement Unit Asset Description osted Retirements: Missouri West 0832-034005 GREENE CTY/ASH 376100-Mains - Steel Mains-Steel 4" | 101000::Gas Plan             | nt in Service        | Activity<br>Vintage Code  | ,                                 |                            |
| Asset Location Utility Account Retirement Unit Asset Description Dested Retirements: Missouri West 0832-034005 GREENE CTY/ASH 376100-Mains - Steel               | 101000::Gas Plan             | nt in Service        | Activity  | Retire Qty Retire                 |                            |
| Asset Location Utility Account Retirement Unit Asset Description osted Retirements: Missouri West 0832-034005 GREENE CTY/ASH 376100-Mains - Steel Mains-Steel 4" | 101000::Gas Plan             | nt in Service        | Activity<br>Vintage Code  | ,                                 | \$3.30                     |
| Asset Location Utility Account Retirement Unit Asset Description osted Retirements: Missouri West 0832-034005 GREENE CTY/ASH 376100-Mains - Steel Mains-Steel 4" | 101000::Gas Plan             | nt in Service        | Activity<br>Vintage Code  | 334                               | \$3.30<br>\$3.30           |
| Asset Location Utility Account Retirement Unit Asset Description osted Retirements: Missouri West 0832-034005 GREENE CTY/ASH 376100-Mains - Steel Mains-Steel 4" | 101000::Gas Plan             | nt in Service        | Vintage Code  1967 URET  Utility Account Total:                         | 334<br>334                        | \$3.30                     |
| Utility Account Retirement Unit Asset Description osted Retirements: Missouri West 0832-034005 GREENE CTY/ASH 376100-Mains - Steel Mains-Steel 4"                | 101000::Gas Plan             | nt in Service        | Activity Vintage Code  1967 URET Utility Account Total: Location Total: | 334<br>334<br>334                 | \$3.30<br>\$3.30<br>\$3.30 |

8/13/19 8:11am

Page 3 of 3

**Header Detail** 

Work Order: 802352

Work Order Title: Repl 1125F 2P Pennell & Hodges

Wo Type Description: WO-Replacement Mains & Svcs MGE

Work Order Group: **Current Revision: 1** 

Funding Project: F0572

Eligible for AFUDC yes

Reason Code: System Integrity

Funding Project Desc: Main Replacement - ISRS (SW) Eligible for CPI: yes

WO Description:Install ~1125 Ft of 2 in PL IP Main at Sheridan Ave and Hodges Drdue to leaking valve 1513-135N in Carl Junction.

Major Location: 0513-Carl Junction

Estimated Start Date: Mar 04, 2019

Asset Location: 0513-044020 JASPER CTY/CARL JUNCTION

Estimated Completion Date: Mar 22, 2019

Estimated In-Service Date:

Department Description: Region 2B - SW Missouri - Distribution - Union

Budget Description: Replace bare steel main - safety re

Status: in service

Company: Spire Missouri Inc.

Business Segment: Missouri West Functional Class: Distribution Plant

Department Code: 20921

Est. Annual Revenue: Reimbursement Type: None

Retirement Type:

Mar 22, 2019

Notes: Abandon ~1171 Ft of 2 in ST IP Main in Alley between Pennell Stand Sheridan Ave, W of Hodges Dr in Carl Junction. Total

Service Tie-Overs: 9. ISRS Recoverable due to vintage of pipe.

Reason for Work (Justification)

| Level                   | Approver           | Approval Limit | Date Approved |
|-------------------------|--------------------|----------------|---------------|
| Operational Accounting  | Muehlenkamp, Anne  | \$0            | 2/21/2019     |
| Engineering Review-Dist | § Hoeferlin, Craig | \$0            | 3/10/2019     |
| VP Field Operations-MGE | Goodson, Timothy   | \$1,000,000    | 3/11/2019     |

| ***** Unit Estimate ***** |             |              |                       |                     |         |  |  |  |
|---------------------------|-------------|--------------|-----------------------|---------------------|---------|--|--|--|
| Utility Account           | Additions   | Removal Cost | Total<br>Expenditures | Retirement<br>Value | Salvage |  |  |  |
| 376100-Mains - Steel      | \$0.00      | \$0.00       | \$0.00                | \$0.00              | \$0.00  |  |  |  |
| 376300-Mains - Plastic    | \$49,532.33 | \$595.51     | \$50,127.84           | \$0.00              | \$0.00  |  |  |  |
| Total Estimated Costs:    | \$49,532.33 | \$595.51     | \$50,127.84           | \$0.00              | \$0.0   |  |  |  |

|   | ****             | Unit Estimate ***** |          |            |         |            |
|---|------------------|---------------------|----------|------------|---------|------------|
| sset Location<br>Utility Account<br>Retirement Unit |                  |                     |          |            |         |            |
| Est. Chg Type                                       | Addition Dollars | Retirement Dollars  | Add Qty  | Retire Qty | Add Hrs | Retire Hrs |
| 0513-044020 JASPER CTY/CARL JL                      |                  |                     |          |            |         |            |
| 376300-Mains - Plastic                              |                  | 2                   |          |            |         |            |
| Mains-Plastic 2"                                    |                  |                     |          |            |         |            |
| Contract Payroll                                    | \$1,645.42       | \$71.54             | 0        | 0          | 0       | 0          |
| Contractor Work                                     | \$25,556.14      | \$210.14            | 0        | 0          | 0       | C          |
| Department Clearings                                | \$2,418.77       | \$105.16            | 0        | 0          | 0       | - 0        |
| Overheads Capitalized - Benefits                    | \$1,447.97       | \$62.96             | 0        | 0          | 0       | 0          |
| Overheads Capitalized - General                     | \$16,678.74      | \$134.84            | 0        | 0          | 0       | 0          |
| Payroll Taxes                                       | \$250.10         | \$10.87             | 0        | 0          | 0       | 0          |
| Stores  | \$1,535.19       | \$0.00              | 1125     | 0          | 0       | 0          |
| SubTotal Utility Account:                           | \$49,532.33      | \$595.51            | 1,125.00 | 0.00       | 0.00    | 0.00       |
| 376100-Mains - Steel                                |                  |                     |          |            |         |            |
| Mains-Steel 2"                                      |                  |                     |          |            |         | -          |
| Retirement Value                                    | \$0.00           | \$0.00              | 0        | 1171       | 0       | 0          |
| SubTotal Utility Account:                           | \$0.00           | \$0.00              | 0.00     | 1,171.00   | 0.00    | 0.00       |
| SubTotal Location:                                  | \$49,532.33      | \$595.51            | 1,125.00 | 1,171.00   | 0.00    | 0.00       |
| Total Unit Estimate:                                | \$49,532.33      | \$595.51            | 1,125    | 1,171      | 0       | 0          |

|                                   | *                      | ***** Class Codes   | ****              |                  |             | \f                |
|-----------------------------------|------------------------|---------------------|-------------------|------------------|-------------|-------------------|
|                                   | Class Code             | Value               |                   |                  |             |                   |
|                                   | cap_expense            | capital             |                   |                  |             |                   |
|                                   | ISRS Reason            | 08 - Ca             | st Iron or Bare S | teel Replac      | ement - Lea |                   |
|                                   | isrs_recov             | yes                 |                   |                  |             |                   |
|                                   | ohbenefits             | yes                 |                   |                  |             |                   |
| in the second                     | ohgen_supv             | yes                 |                   |                  |             |                   |
|                                   | prod_nonprod           | prod                |                   |                  |             |                   |
|                                   | Project Classification | both                |                   |                  |             |                   |
|                                   | ***** Worl             | c Order Retirements | 3 *****           |                  |             |                   |
| Business Segment                  | GL Account             |                     |                   |                  |             |                   |
| Asset Location                    |                        |                     |                   |                  |             |                   |
| Utility Account                   |                        |                     |                   |                  |             |                   |
| Retirement Unit Asset Description |                        |                     | Vintage           | Activity<br>Code | Retire Qty  | Retirement Amount |
| Selected Retirements:             |                        |                     |                   |                  |             |                   |
| Missouri West                     | 101000::Gas Plant      | in Service          |                   |                  |             |                   |
| 0513-044020 JASPER CT             | Y/CARL JUNCTION        |                     |                   |                  |             |                   |
| 376100-Mains - Steel              |                        |                     |                   |                  |             | 7.80              |
| Mains-St                          | eel 2"                 |                     |                   |                  |             |                   |
| OCR                               | 5.                     |                     |                   | URET             | 273         | \$0.00            |
|                                   |                        |                     |                   |                  |             |                   |
|                                   |                        |                     |                   |                  |             |                   |
|                                   |                        |                     | S                 |                  |             |                   |

| ***** Work Order Retirements *****              |   |            |     |                        |            |                   |  |  |
|---|---|------------|-----|------------------------|------------|-------------------|--|--|
| Business Segment Asset Location Utility Account | æ | GL Account |     | 9 3                    |            |                   |  |  |
| Retirement Unit                                 |   |            |     | URET<br>Activity       | 252        | \$0.00            |  |  |
| Asset Description                               |   |            |     | Vintage Code           | Retire Qty | Retirement Amount |  |  |
|   |   |            |     |                        |            |                   |  |  |
|   |   |            |     |                        |            |                   |  |  |
| OCR   |   |            | 4,3 | URET                   | 436        | \$0.00            |  |  |
|   |   |            |     | Utility Account Total: | 1,171      | \$0.00            |  |  |
|   |   |            |     | Location Total:        | 1,171      | \$0.00            |  |  |
|   |   |            |     | GL Account Total:      | 1,171      | \$0.00            |  |  |
|   |   |            |     | Selected Retirements:  | 1,171      | \$0.00            |  |  |
|   |   |            |     | Work Order Total:      | 1,171      | \$0.00            |  |  |

8/13/19 8:11am

Page 3 of 3

**Header Detail** 

Work Order: 802624

Work Order Title: Repl 200F 2P Neosho Blvd & Walnut

Wo Type Description: WO-Replacement Mains & Svcs MGE

Work Order Group: **Current Revision: 1** 

Funding Project: F0572

Funding Project Desc: Main Replacement - ISRS (SW) Eligible for AFUDC yes

Reason Code: Safety

Eligible for CPI: yes

Budget Description: Replace bare steel main - safety re

Est. Annual Revenue: Reimbursement Type: None

Department Code: 20921

Retirement Type:

WO Description:Install ~ 200 Ft of 2 in PL IP Main at intersection of Walnut Drand Hwy 60 due to leaks in Neosho.

Major Location: 0806-Neosho

Estimated Start Date: Feb 11, 2019

Asset Location: 0806-066010 NEWTON CTY/NEOSHO

Status: completed

Company: Spire Missouri Inc.

Business Segment: Missouri West

Functional Class: Distribution Plant

Estimated Completion Date: Mar 22, 2019

Estimated In-Service Date:

Department Description: Region 2B - SW Missouri - Distribution - Union

Mar 22, 2019

Notes: Abandon ~ 177 Ft of 2 in ST IP Main in same location. 0 Tie-Overs. ISRS Recoverable, Bare Steel Replacement. Per Jessica

Weissert the Estimate and the As Built are properly reflected with a difference in footage of 187 Feet.

Reason for Work (Justification)

| Level                   | Approver           | Approval Limit | Date Approved |
|-------------------------|--------------------|----------------|---------------|
| Operational Accounting  | Muehlenkamp, Anne  | \$0            | 4/10/2019     |
| Engineering Review-Dist | § Hoeferlin, Craig | \$0            | 4/12/2019     |
| VP Field Operations-MGE | Goodson, Timothy   | \$1,000,000    | 4/15/2019     |

| ***** Unit Estimate ***** |             |              |                       |                                       |         |  |  |  |
|---------------------------|-------------|--------------|-----------------------|---------------------------------------|---------|--|--|--|
| Utility Account           | Additions   | Removal Cost | Total<br>Expenditures | Retirement Value \$0.00 \$0.00 \$0.00 | Salvage |  |  |  |
| 376100-Mains - Steel      | \$2,136.99  | \$4,391.39   | \$6,528.38            | \$0.00                                | \$0.00  |  |  |  |
| 376300-Mains - Plastic    | \$12,662.00 | \$0.00       | \$12,662.00           | \$0.00                                | \$0.00  |  |  |  |
| Total Estimated Costs:    | \$14,798.99 | \$4,391.39   | \$19,190.38           | \$0.00                                | \$0.00  |  |  |  |

|   | ****             | Unit Estimate ***** |         |            |         |            |
|---|------------------|---------------------|---------|------------|---------|------------|
| Asset Location<br>Utility Account<br>Retirement Unit<br>Est. Chg Type | Addition Dollars | Retirement Dollars  | Add Qty | Retire Qty | Add Hrs | Retire Hrs |
| 0806-066010 NEWTON CTY/NEOSH  |                  |                     | = =     |            |         |            |
| 376300-Mains - Plastic  |                  | 5.                  |         |            |         |            |
| Mains-Plastic 2"  |                  |                     |         |            |         |            |
| Contract Payroll  | \$536.55         | \$0.00              | 0       | 0          | 0       | (          |
| Contractor Work   | \$6,081.93       | \$0.00              | 0       | 0          | 0       | C          |
| Department Clearings  | \$788.73         | \$0.00              | 0       | 0          | 0       | C          |
| Overheads Capitalized - Benefits                                      | \$472.16         | \$0.00              | 0       | 0          | 0       | C          |
| Overheads Capitalized - General                                       | \$4,116.48       | \$0.00              | 0       | 0          | 0       | (          |
| Payroll Taxes   | \$81.56          | \$0.00              | 0       | 0          | 0       | C          |
| Stores  | \$584.59         | \$0.00              | 200     | 0          | 0       | C          |
| SubTotal Utility Account:   | \$12,662.00      | \$0.00              | 200.00  | 0.00       | 0.00    | 0.00       |
| 376100-Mains - Steel  |                  |                     |         |            |         |            |
| Mains-Steel 2"  |                  |                     |         |            |         |            |
| Contract Payroll  | \$0.00           | \$35.77             | 0       | 0          | 0       | C          |
| Contractor Work   | \$916.24         | \$2,316.30          | 0       | 0          | 0       | C          |
| Department Clearings  | \$0.00           | \$52.58             | 0       | 0          | 0       | C          |
| Overheads Capitalized - Benefits                                      | \$0.00           | \$31.48             | 0       | 0          | 0       | C          |
| Overheads Capitalized - General                                       | \$809.67         | \$1,618.42          | 0       | 0          | 0       | C          |
| Payroll Taxes   | \$0.00           | \$5.44              | 0       | 0          | 0       | C          |
| Retirement Value  | \$0.00           | \$0.00              | 0       | 177        | 0       | O          |
| Stores  | \$411.08         | \$331.40            | 0       | 0          | 0       | 0          |
| SubTotal Utility Account:   | \$2,136.99       | \$4,391.39          | 0.00    | 177.00     | 0.00    | 0.00       |
| SubTotal Location:  | \$14,798.99      | \$4,391.39          | 200.00  | 177.00     | 0.00    | 0.00       |
| Total Unit Estimate:  | \$14,798.99      | \$4,391.39          | 200     | 177        | 0       | 0          |

|   | ***** Class Codes ***** |  |  |  |  |  |
|---|-------------------------|--|--|--|--|--|
|   | Class Code              | Value  |  |  |  |  |
| 2 | cap_expense             | capital  |  |  |  |  |
|   | ISRS Reason             | 08 - Cast Iron or Bare Steel Replacement - Lea |  |  |  |  |
|   | isrs_recov              | yes  |  |  |  |  |
|   | ohbenefits              | yes  |  |  |  |  |
|   | ohgen_supv              | yes  |  |  |  |  |
|   | prod_nonprod            | prod   |  |  |  |  |
|   | Project Classification  | both   |  |  |  |  |

|   |                                | **** As-Built ****      |                |   |                   |
|---|--------------------------------|-------------------------|----------------|---|-------------------|
| Asset Location  |                                |                         |                |   |                   |
| Utility Account   |                                |                         |                |   |                   |
| Ехр Туре  |                                |                         |                |   |                   |
| Est Charge Type   | Retirement Unit                |                         | Job task       | Dollars   | Quantity          |
| vailable for Unitization:   |                                |                         |                |   |                   |
| 0806-066010 NEWTON CTY/NEOSHO   |                                |                         |                |   |                   |
| 376100-Mains - Steel  |                                |                         |                |   |                   |
| Retirement  |                                |                         |                |   |                   |
| Contract Payroll  | Mains-Steel 2"                 |                         |                | \$3,421.83  | 0                 |
| Department Clearings  | Mains-Steel 2"                 |                         |                | \$5,030.09  | 0                 |
| Overheads Capitalized - Benefits  | Mains-Steel 2"                 |                         |                | \$3,011.21  | 0                 |
| Overheads Capitalized - General   | Mains-Steel 2"                 |                         |                | \$509.14  | 0                 |
| Payroll Taxes   | Mains-Steel 2"                 |                         |                | \$520.12  | 0                 |
| Retirement Value  | Mains-Steel 2"                 |                         |                | \$72.91   | 67                |
| Retirement Value  | Mains-Steel 2"                 |                         |                | \$171.24  | 123               |
| Stores  | Mains-Steel 2"                 |                         |                | \$312.96  | 0                 |
| ÿ <del></del>   |                                | Retir                   | ement Total:   | \$13,049.50   | 190               |
| 376300-Mains - Plastic  |                                |                         |                | Ť   |                   |
| Addition  |                                |                         |                |   |                   |
| Contract Payroll  | Mains-Plastic 2"               |                         |                | \$7,760.89  | 0                 |
| Department Clearings  | Mains-Plastic 2"               |                         |                | \$11,408.51   | 0                 |
| Overheads Capitalized - Benefits  | Mains-Plastic 2"               |                         |                | \$6,829.58  | 0                 |
| Overheads Capitalized - General   | Mains-Plastic 2"               |                         |                | \$1,486.42  | 0                 |
| Payroll Taxes   | Mains-Plastic 2"               |                         |                | \$1,179.66  | 0                 |
| Stores  | Mains-Plastic 2"               |                         |                | \$1,253.53  | 387               |
|   |                                | Ac                      | ldition Total: | \$29,918.59   | 387               |
| Retirement  |                                |                         |                | ***   |                   |
| Contract Payroll  | Mains-Plastic 2"               |                         |                | \$92.32   | 0                 |
| Department Clearings  | Mains-Plastic 2"               |                         |                | \$135.71  | 0                 |
| Overheads Capitalized - Benefits  | Mains-Plastic 2"               |                         |                | \$81.24   | 0                 |
| Overheads Capitalized - General   | Mains-Plastic 2"               |                         |                | \$8.59  | , 0               |
| Payroll Taxes   | Mains-Plastic 2"               |                         |                | \$14.03   | 0                 |
| Retirement Value  | Mains-Plastic 2"               |                         |                | \$143.07  | 37                |
| Retirement Value  | Mains-Plastic 2"               |                         |                | \$672.93  | 105               |
|   |                                | Retir                   | ement Total:   | \$1,147.89  | 142               |
|   | Location Total:                | Addition Dollars        | Add Qty<br>387 | Retirement Dollars<br>\$14,197.39   | Retire Qty<br>332 |
| 8   | LOCATION TOTAL:                | \$29,918.59             | 301            | 8 No. 40 Co. 20 | 332               |
| AMOS - MARKET THE STATE OF THE | al discontinued and the second | Addition Dollars        | Add Qty        | Retirement Dollars  | Retire Qty        |
| Available   | o for Unitization:             | \$29,918.59             | 387            | \$14,197.39   | 332               |
| ¥   |                                | <b>Addition Dollars</b> | Add Qty        | <b>Retirement Dollars</b>   | <b>Retire Qty</b> |
| Uni   | t Estimate Total:              | \$29,918.59             | 387            | \$14,197.39   | 332               |

|  | ***** Work Order Retireme    | ents ****     |                  |            |                  |
|--|------------------------------|---------------|------------------|------------|------------------|
| Business Segment Asset Location Utility Account                  | GL Account                   |               | 8                |            | N                |
| Retirement Unit Asset Description                                |                              | Vintage       | Activity<br>Code | Retire Qty | Retirement Amoun |
| osted Retirements:   |                              |               |                  |            |                  |
| Missouri West 0806-066010 NEWTON CTY/NEOSHO 376100-Mains - Steel | 101000::Gas Plant in Service |               |                  |            |                  |
| Mains-Steel 2" OCR   |                              | 1951          | URET             | 67         | \$72.91          |
| OCR  |                              | 1958          | URET             | 123        | \$171.24         |
|  |                              | Utility Accou | ınt Total:       | 190        | \$244.15         |
| 376300-Mains - Plastic   |                              |               | -                |            |                  |
| Mains-Plastic 2"   |                              |               |                  |            |                  |
| OCR  |                              | 1978          | URET             | 37         | \$143.07         |
| OCR  |                              | 1995          | URET             | 105        | \$672.93         |
|  |                              | Utility Accou | nt Total:        | 142        | \$816.00         |
|  |                              | Location      | on Total:        | 332        | \$1,060.15       |
|  | 8                            | GL Accou      | nt Total:        | 332        | \$1,060.15       |
|  |                              | Posted Retir  | ements:          | 332        | \$1,060.15       |
|  |                              | Work Ord      | er Total:        | 332        | \$1,060.15       |

8/13/19 8:11am

Page 4 of 4