# AMENDMENT NUMBER FIVE TO THE AGREEMENT FOR DESIGN SERVICES FOR THE PAGES DAIRY/CHESTER ROAD INTERSECTION IMPROVEMENT PROJECT, NASSAU COUNTY FLORIDA

THIS AMENDMENT entered into this 28th day of October , 2019 by and between the BOARD OF COUNTY COMMISSIONERS OF NASSAU COUNTY, FLORIDA, a political subdivision of the State of Florida, (hereinafter referred to as "County") and CONNELLY & WICKER, INC., located at 10060 Skinner Lake Drive, Suite 500, Jacksonville, FL 32246, (hereinafter referred to as "Consultant").

WHEREAS, the parties entered into an Agreement dated November 21, 2016 for design services for the Pages Dairy/Chester Road Intersection Improvements Projects; and

WHEREAS, Article 12.2 of the agreement provides that this agreement may only be amended, supplemented, modified, changed or canceled by a duly executed written instrument; and

WHEREAS, the parties desire to amend the scope of service and fee proposal for the agreement.

NOW, THEREFORE, FOR AND IN CONSIDERATION of the mutual covenants and agreements herein contained, the parties hereto agree as follows:

Scope of Services for Design Services for Pages Dairy/Chester Road Intersection
 Improvements, attached hereto as Attachment "A", shall be amended to include the following additional services:

## Pages Dairy Road Widening Project

Additional Scope for Pages Dairy Road includes:

 Design JEA water facilities along Pages Dairy Road and Felmor Road and the associated plans production. Includes approximately 1500 feet of 16" water main on Felmor Road and approximately 14,200 feet of 16" water main along Pages Dairy Road. (\$74,439.44) • DRMP – Additional survey on Felmor Road south of the Railroad to the water main stub-out approximately 1200' south of the Railroad. Up to 10 subsurface utility test holes (VVH's). (\$19,482.30)

Sub-consultant tasks include:

- Survey DRMP
- 2. Fee Schedule, Attachment "B" shall be amended as follows:

| Description                              | Current Contract<br>Amount | Additional Services Amount | Amended Contract Amount |
|--|----------------------------|----------------------------|-------------------------|
| Chester Road<br>Resurfacing Project      | \$191,008.33               | \$0.00                     | \$191,008.33            |
| Chester Road at Pages Dairy Intersection | \$434,838.16               | \$0.00                     | \$434,838.16            |
| Pages Dairy Road<br>Widening             | \$456,474.37               | \$93,921.74                | \$550,396.11            |
| Total(s)                                 | \$1,082,320.86             | \$93,921.74                | \$1,176,242.60          |

- 3. Documents to support the additional scope and fee are attached hereto as Exhibit "1".
- 4. All other terms and conditions contained of the agreement shall remain in full force and effect.

[Signatures on next page]

BOARD OF COUNTY COMMISSIONERS NASSAU COUNTY, FLORIDA

JUSTIN M. TAYLOR

Its: Chair

Attest as to authenticity of Chairman's Signature://

JOHN A. CRAWFORD

Ex-Officio Clerk

Approved as to form and legality by the

Nassau County/Attorney:

MICHAEL MULLIN

County Attorney

CONNELLY & WICKER, INC.

By: Ringer a

Date: 10/4/1

Date:\_

#### **ATTACHMENT "A"**

# Scope of Services for Design Services Pages Dairy/Chester Road Intersection Improvements Board of County Commissioners, Nassau County, FL

The following work and services are presented as an indication of the work that may be required under the contract, but may not necessarily be all inclusive of the work under this contract. The respondent is encouraged to propose innovative ideas and/or concepts that may be considered.

#### 1.0 PROJECT DESCRIPTION

Nassau County is seeking the services of an engineering firm to provide the necessary design services for the Pages Dairy/Chester Road Intersection Improvements project, Nassau County, Florida. The project will create a four (4) lane section from Courtney Isles Way on Chester Road through the intersection at Pages Dairy Road, and includes the following:

- Signalization at the intersection of Pages Diary Road and Chester Road.
- Modifications to the rail road crossing.
- The intersection is intended to be designed and constructed in a manner that will allow it to be used when Page's Dairy is extended eastward to Blackrock Road in the future.
- Design for widening of Page's Dairy from Chester westward to the intersection of Page's Dairy and Felmor Rd.
- Resurfacing and rehabilitation of approximately 2 miles of Chester Road north of the Heron Isles Parkway up to north of Rose's Bluff, distance to be determined.

Proposers should note that the bridge over Lofton Creek on Page's Dairy is to be replaced by FDOT with funding in 2021. FDOT is currently conducting a PD&E study for that project. Additionally, it should be noted that the widening of Page's Dairy is being funded by FDOT and will require a separate (or component) set of plans and specs so that design, construction and CEI costs can be accounted for appropriately.

The selected consulting firm will perform services including, but not limited to the following:

#### 2.0 SCOPE OF PROJECT:

- 2.1 Design and provide the construction documents to improve the Page's Dairy/Chester Intersection to include Signalization, Railroad coordination and resurfacing of approximately 2 miles of roadway north of Heron Isles Parkway to Rose's Bluff.
- 2.2 Design and provide the construction documents for the widening of Page's Dairy Road from the west end of the intersection improvements project (described above) to Felmor road to provide paved shoulders.
- 2.3 Lengthening and/or replacement design of the existing crossdrains and/or sidedrains, as required, to meet the proposed typical section clear zone requirements and ensure the design life of the improvements and existing facilities are equivalent.
- 2.4 Signalization
- 2.5 Signing, striping marking.
- 2.6 Roadway design shall meet the minimum requirements of the Manual of Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways, commonly known as the "Florida Greenbook".

- The work will include survey, geotechnical, environmental and any other investigations 2.7 to support the design.
- Consultant shall provide: 2.8
  - All necessary permits
    Utility coordination
    Railroad coordination

  - Construction documents
  - Post design services

# Attachment "B" Fee Proposal

# **Engineering Department**

# Nassau County, Florida

|    | reassau county, i loi                    | ilua     |                               |                            | Takal                                  |
|----|--|----------|-------------------------------|----------------------------|--|
|    |  |          | Current<br>Contract<br>Amount | Amendment<br>#5<br>Amounts | Total<br>Amended<br>Contract<br>Amount |
| 1. | Chester Road Resurfacing Project         |          |                               |                            |  |
|    | Connelly and Wicker                      |          | \$78,950.37                   |                            | \$78,950.37                            |
|    | DRMP                                     |          | \$82,804.52                   |                            | \$82,804.52                            |
|    | Universal Engineering                    |          | \$24,253.44                   |                            | \$24,253.44                            |
|    | Post Design Services (L.A.)              |          | \$5,000.00                    |                            | \$5,000.00                             |
|    |  | Subtotal | \$191,008.33                  |                            | \$191,008.33                           |
| 2. | Chester Road at Pages Dairy Intersection |          |                               |                            |  |
|    | Connelly and Wicker                      |          | \$297,416.28                  |                            | \$297,416.28                           |
|    | DRMP                                     |          | \$49,813.10                   |                            | \$49,813.10                            |
|    | Peters and Yaffee                        |          | \$36,352.34                   |                            | \$36,352.34                            |
|    | Universal Engineering                    |          | \$12,056.44                   |                            | \$12,056.44                            |
|    | Environmental Services                   |          | \$19,200.00                   |                            | \$19,200.00                            |
|    | Post Design Services (L.A.)              |          | \$20,000.00                   |                            | \$20,000.00                            |
| 3. | Pages Dairy Road Widening                | Subtotal | \$434,838.16                  | i .                        | \$434,838.16                           |
|    | Connelly and Wicker                      |          | \$171,261.93                  | \$74,439.44                | \$245,701.37                           |
|    | DRMP                                     |          | \$203,831.57                  | \$19,482.30                | \$223,313.87                           |
|    | Universal Engineering                    |          | \$34,246.40                   |                            | \$34,246.40                            |
|    | Environmental Services                   |          | \$22,100.00                   |                            | \$22,100.00                            |
|    | G.M. Hill Engineering                    |          | \$15,034.47                   |                            | \$15,034.47                            |
|    | Post Design Services (L.A.)              |          | \$10,000.00                   |                            | \$10,000.00                            |
|    |  | Subtotal | \$456,474.37                  | \$93,921.74                | \$550,396.11                           |
|    |  | Total    | \$1,082,320.8                 | <u>36</u> \$93,921.74      | \$1,176,242.60                         |
|    |  |          |                               |                            |  |

# EXHIBIT "1"

# Amendment #5

# Pages Dairy Road Widening Project

## Additional Scope for Pages Dairy Road includes:

- Design JEA water facilities along Pages Dairy Road and Felmor Road and the associated plans production. Includes approximately 1500 feet of 16" water main on Felmor Road and approximately 14,200 feet of 16" water main along Pages Dairy Road. (\$74,439.44)
- DRMP Additional survey on Felmor Road south of the Railroad to the water main stub-out approximately 1200' south of the Railroad. Up to 10 subsurface utility test holes (VVH's). (\$19,482.30)

## Sub-consultant tasks include:

• Survey - DRMP

#### ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT

Name of Project: Pages Dairy Road and Felmor Road - JEA Water Main Consultant Name: Connelly & Wicker Inc. County: Nassau Consultant Name: Con

| FAP No.:  | N/A                              |                         |                   |                    |            |                    |            |                      |        |        |        |        | Estimator: | Danny Walter | myer, P.E.        |                     |
|---|----------------------------------|-------------------------|-------------------|--------------------|------------|--------------------|------------|----------------------|--------|--------|--------|--------|------------|--------------|-------------------|---------------------|
| Staff Classification                              | Total Staff<br>Hours From<br>"SH | Sr Project :<br>Manager | Chief<br>Engineer | Project<br>Manager | Engineer   | Senior<br>Designer | Designer   | Senior<br>Technician | 0      | 0      | 0      | 0      | 0          | SH<br>By     | Salary<br>Cost By | Average<br>Rate Per |
|   | Summary -                        | \$68.23                 | \$75.61           | \$39.35            | \$36.90    | \$25.20            | \$21.75    | \$25.50              | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00     | Activity     | Activity          | Task                |
| 3. Project General and Project Common Tasks       | 0                                | 0                       | D                 | 0                  | 0          | 0                  | 0          | 0                    | 0      | 0      | 0      | 0      | 0          | 0            | \$0               | #DIV/0!             |
| 4. Roadway Analysis                               | 342                              | 51                      | 17                | 86                 | 68         | 68                 | 34         | 17                   | 0      | 0      | 0      | D      | 0          | 341          | \$13,545          | \$39.72             |
| 5. Roadway Plans                                  | 260                              | 26                      | 13                | 65                 | 52         | 52                 | 39         | 13                   | 0      | 0      | 0      | 0      | 0          | 260          | \$9,724           | \$37.40             |
| 6. Drainage Analysis                              | 0                                | 0                       | 0                 | 0                  | 0          | 0                  | 0          | 0                    | 0      | 0      | 0      | 0      | 0          | 0            | \$0               | #DIV/0!             |
| 7. Permitting                                     | 44                               | 11                      | 2                 | 9                  | 7          | 9                  | 4          | 2                    | 0      | 0      | 0      | 0      | 0          | 44           | \$1,879           | \$42.70             |
| 8. Environmental Permits, Compliance & Clearances | 0                                | 0                       | D                 | 0                  | 0          | 0                  | 0          | 0                    | 0      | 0      | 0      | 0      | 0          | 0            | \$0               | #DIV/0!             |
| 9. Structures - Misc. Tasks, Dwgs, Non-Tech.      | 0                                | 0                       | 0                 | 0                  | D          | 0                  | 0          | 0                    | 0      | 0      | 0      | 0      | 0          | 0            | \$0               | #DIV/0!             |
| 10. Structures - Bridge Development Report        | 0                                | 0                       | 0                 | 0                  | ٥          | 0                  | 0          | 0                    | 0      | 0      | 0      | 0      | D          | 0            | \$0               | #DIV/0!             |
| 11. Structures - Temporary Bridge                 | 0                                | 0                       | 0                 | 0                  | 0          | 0                  | 0          | 0                    | 0      | 0      | 0      | 0      | D          | 0            | \$0               | #DIV/01             |
| 12. Structures - Short Span Concrete Bridge       | 0                                | 0                       | 0                 | 0                  | 0          | 0                  | 0          | 0                    | 0      | 0      | 0      | 0      | D          | 0            | \$0               | #DIV/0!             |
| 13. Structures - Medium Span Concrete Bridge      | 0                                | 0                       | 0                 | 0                  | 0          | 0                  | 0          | 0                    | 0      | 0      | 0      | 0      | 0          | 0            | \$0               | #DIV/01             |
| 14. Structures - Structural Steel Bridge          | 0                                | 0                       | 0                 | 0                  | 0          | 0                  | 0          | 0                    | 0      | 0      | 0      | 0      | 0          | 0            | \$D               | #DIV/0!             |
| 15. Structures - Segmental Concrete Bridge        | 0                                | 0                       | 0                 | 0                  | 0          | 0                  | 0          | 0                    | D      | . 0    | 0      | 0      | 0          | 0            | \$0               | #DIV/01             |
| 16. Structures - Movable Span                     | 0                                | 0                       | 0                 | 0                  | 0          | 0                  | 0          | 0                    | D      | 0      | 0      | 0      | 0          | 0            | \$0               | #DIV/01             |
| 17. Structures - Retaining Walls                  | 0                                | 0                       | 0                 | 0                  | 0          | 0                  | 0          | 0                    | D      | 0      | D      | 0      | 0          | 0            | \$0               | #DIV/01             |
| 18. Structures - Miscellaneous                    | 0                                | 0                       | 0                 | 0                  | 0          | 0                  | 0          | 0                    | 0      | 0      | 0      | 0      | 0          | 0            | \$0               | #DIV/01             |
| 19. Signing & Pevernent Marking Analysis          | 0                                | 0                       | 0                 | 0                  | 0          | 0                  | 0          | 0                    | 0      | 0      | 0      | 0      | 0          | 0            | \$0               | #DIV/0!             |
| 20. Signing & Pevernent Marking Plans             | 0                                | 0                       | 0                 | 0                  | 0          | 0                  | 0          | 0                    | 0      | 0      | 0      | 0      | 0          | 0            | \$0               | #DIV/0!             |
| 21. Signalization Analysis                        | D                                | 0                       | 0                 | 0                  | 0          | 0                  | 0          | 0                    | 0      | 0      | 0      | 0      | 0          | 0            | \$0               | #DIV/0!             |
| 22. Signalization Plans                           | 0                                | 0                       | 0                 | 0                  | 0          | 0                  | 0          | 0                    | 0      | 0      | 0      | 0      | 0          | 0            | \$0               | #DIV/0!             |
| 23. Lighting Analysis                             | 0                                | 0                       | 0                 | 0                  | 0          | 0                  | 0          | 0                    | 0      | 0      | 0      | 0      | 0          | 0            | \$0               | #DIV/0!             |
| 24. Lighting Plans                                | 0                                | 0                       | 0                 | 0                  | 0          | 0                  | 0          | 0                    | 0      | 0      | 0      | 0      | 0          | 0            | \$0               | #DIV/0I             |
| 25. Landscape Architecture Analysis               | 0                                | 0                       | 0                 | 0                  | 0          | 0                  | 0          | 0                    | 0      | 0      | 0      | 0      | 0          | 0            | \$0               | #DIV/0!             |
| 26. Landscape Architecture Plans                  | 0                                | 0                       | 0                 | 0                  | 0          | 0                  | 0          | 0                    | 0      | 0      | 0      | 0      | 0          | 0            | \$0               | #DIV/0!             |
| 27. Survey (Field & Office Support)               | 0                                | D                       | 0                 | 0                  | 0          | 0                  | 0          | 0                    | 0      | 0      | 0      | 0      | 0          | 0            | \$0               | #DIV/0!             |
| 26, Photogrammetry                                | 0                                | 0                       | . 0               | 0                  | 0          | 0                  | 0          | 0                    | D      | 0      | 0      | 0      | 0          | 0            | \$0               | #DIV/0!             |
| 29. Mapping                                       | 0                                | 0                       | 0                 | o                  | 0          | 0                  | 0          | 0                    | D      | 0      | 0      | 0      | 0          | 0            | \$0               | #DIV/0!             |
| 30. Geolechnical                                  | 0                                | D                       | 0                 | 0                  | 0          | 0                  | 0          | 0                    | 0      | 0      | 0      | 0      | 0          | 0            | \$0               | #DIV/0!             |
| 31. Architecture Development                      | 0                                | 0                       | 0                 | 0                  | 0          | 0                  | 0          | 0                    | D      | 0      | 0      | 0      | 0          | 0            | \$0               | #DIV/0!             |
| 32. Noise Barriers Impact Design Assessment       | 0                                | 0                       | 0                 | 0                  | 0          | 0                  | 0          | 0                    | 0      | 0      | 0      | 0      | 0          | 0            | \$0               | #DIV/0!             |
| 33. Intelligent Transportation Systems Analysis   | 0                                | 0                       | 0                 | 0                  | 0          | D                  | 0          | 0                    | 0      | 0      | 0      | 0      | 0          | 0            | \$0               | #DIV/0!             |
| 34. Intelligent Transportation Systems Plans      | 0                                | 0                       | 0                 | 0                  | 0          | 0                  | 0          | 0                    | 0      | 0      | 0      | 0      | 0          | o            | \$0               | #DIV/0!             |
| Total Staff Hours                                 | 646                              | 88                      | 32                | 160                | 127        | 129                | 77         | 32                   | 0      | 0      | 0      | 0      | 0          | 645          |                   |                     |
| Total Staff Cost                                  |                                  | \$6,004.24              | \$2,419.52        | \$6,296.00         | \$4,686.30 | \$3,250.80         | \$1,674.75 | \$816.00             | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00     |              | \$25,147.61       | \$38.99             |

Notes:

1. This sheet to be used by Prime Consultant to calculate the Grand Total fee.

2. Manually enter fee from each subconsultant. Unused subconsultant rows may be hidden.

| SALARY RELA      | TED COSTS:            |   |            |         |       | \$25,147.61 |
|------------------|-----------------------|---|------------|---------|-------|-------------|
| OVERHEAD:        |                       |   | 169.10%    |         |       | \$42,524.61 |
| OPERATING N      | ARGIN:                |   | 26.91%     |         |       | \$6,767.22  |
| FCCM (Fadiltie   | s Capital Cost Money) |   | 0.0000%    |         |       | \$0.00      |
| EXPENSES:        |                       |   | 0.00%      |         |       | \$0.00      |
|                  |                       |   | 4-man crew |         |       |             |
| Survey (Field -  |                       | 0 | days @     | \$<br>3 | i day | \$0.00      |
| SUBTOTAL ES      | STIMATED FEE:         |   |            |         |       | \$74,439.44 |
| Subconsultant:   | DRMP - Survey         |   |            |         |       | \$15,232.30 |
| Subconsultant:   | DRMP - Wh             |   |            |         |       | \$4,250.00  |
| Subconsultant:   | Sub 3                 |   |            |         |       | \$0.00      |
| Subconsultant:   | Sub 4                 |   |            |         |       | \$0.00      |
| Subconsultant:   | Sub 5                 |   |            |         |       | \$0.00      |
| Subconsultant:   | Sub 6                 |   |            |         |       | \$0.00      |
| Subconsultant:   | Sub 7                 |   |            |         |       | \$0.00      |
| Subconsultant:   | Sub 6                 |   |            |         |       | \$0.00      |
| Subconsultant:   | Sub 9                 |   |            |         |       | \$0.00      |
| Subconsultant:   | Sub 10                |   |            |         |       | \$0.00      |
| Subconsultant:   | Sub 11                |   |            |         |       | \$0.00      |
| Subconsultant:   | Sub 12                |   |            |         |       | \$0,00      |
| SUBTOTAL ES      | STIMATED FEE:         |   |            |         |       | \$93,921.74 |
| Geotechnical     | Field and Lab Testin  | g |            |         |       | \$0.00      |
| SUBTOTAL ES      | TIMATED FEE:          |   |            |         |       | \$93,921.74 |
| Optional Service | os                    |   |            |         |       |             |
| GRAND TOTA       | L ESTIMATED FEE:      |   |            |         |       | \$93,921.74 |
|                  |                       |   |            |         |       |             |

## Project Activity 4: Roadway Analysis

Estimator: Danny Waltermyer, P.E.

Pages Dairy Road and Felmor Road - JEA Water Main
N/A

| Task<br>No. | Task                                    | Units    | No of<br>Units | Hours/<br>Unit | Total<br>Hours | Comments  |
|-------------|---|----------|----------------|----------------|----------------|---|
| 4.1         | Typical Section Package                 | LS       | 1              | 0              | 0              |   |
| 4.2         | Pavement Design Package                 | LS       | 1              | 0              | 0              |   |
| 4.3         | Access Management                       | LS       | 1              | 0              | 0              |   |
| 4.4         | Horizontal∕Vertical Master Design Files | LS       | 1              | 238            | 238            | Layout of water; includes all connections & valves; 15,700 LF or 2.97 Miles of 16" Water Main proposed; 80 Hrs / Mile |
| 4.5         | Cross Section Design Files              | LS       | 1              | 24             | 24             | Water lines into cross sections & drainage structure cross sections   |
| 4.6         | Traffic Control Analysis                | LS       | 1              | 0              | 0              |   |
| 4.7         | Master TCP Design Files                 | LS       | 1              | 0              | 0              |   |
| 4.8         | Design Variations and Exceptions        | LS       | 1              | 0              | 0              |   |
| 4.9         | Design Report                           | LS       | 1              | 0              | 0              |   |
| 4.10        | Computation Book & Quantities           | LS       | 1              | 32             | 32             | JEA Schedule of Values; quantity calculations   |
| 4.11        | Cost Estimate                           | LS       | 1              | 4              | 4              | Preparation of JEA Schedule of Values   |
| 4.12        | Technical Special Provisions            | LS       | 1              |                | 0              |   |
| 4.13        | Other Roadway Analysis                  | LS       | 1              | 0              | 0              |   |
|             | Roadway Ar                              | alysis T | echnical       | Subtotal       | 298            |   |
| 4.14        | Field Reviews                           | LS       | 1              | 4              | 4              | 1 Person x 4 Hrs x 1 Field Reviews  |
| 4.15        | Technical Meetings                      | LS       | 1              | 0              | 0              |   |
| 4.16        | Quality Assurance/Quality Control       | LS       | %              | 5%             | 15             |   |
| 4.17        | Independent Peer Review                 | LS       | %              | 0%             | 0              |   |
| 4.18        | Supervision                             | LS       | %              | 5%             | 15             |   |
|             | Roadway Analy                           | sis Nont | echnical       | Subtotal       | 34             |   |
| 4.19        | Coordination                            | LS       | %              | 3%             | 10             |   |
| 43.74.7     | 4                                       | . Roadw  | ay Analy       | sis Total      | 342            |   |

## Project Activity 4: Roadway Analysis

| Task                                    | Units | No of<br>Units | Hours/<br>Unit | Total<br>Hours | C | omments |  |
|---|-------|----------------|----------------|----------------|---|---------|--|
| Technical Meetings                      | ina 💥 |                | Ž (Ž)          |                |   |         |  |
| Typical Section                         | EA    | 0              | 0              | 0              |   |         |  |
| Pavement                                | EA    | 0              | 0              | 0              |   |         |  |
| Access Management                       | EA    | 0              | 0              | 0              |   |         |  |
| 15% Line and Grade                      | EA    | 0              | 0              | 0              |   |         |  |
| Driveways                               | EA    | 0              | 0              | 0              |   |         |  |
| Local Governments (cities, counties,    |       |                |                |                |   |         |  |
| MPO)                                    | EA    | 0              | 0              | 0              |   |         |  |
| Work Zone Traffic Control               | EA    | 0              | 0              | 0              |   |         |  |
| 30/60/90/100% Comment Review Meetings   | EA    | 0              | 0              | 0              |   |         |  |
| Other Meetings                          | EA    | 0              | 0              | 0              |   |         |  |
| Subtotal Technical Meetings             |       |                |                | 0              |   |         |  |
| Progress Meetings (if required by FDOT) | EA    | 0              | 0              | 0              |   |         |  |
| Phase Review Meetings                   | EA    | 0              | 0              | 0              |   |         |  |
| Total Meetings                          |       | The way        | MATE.          | 0              |   |         |  |

Note: Project Manager attendance at progress, phase and field review meetings are manually entered on General Task 3

## Project Activity 5: Roadway Plans

Estimator: Danny Waltermyer, P.E.

Pages Dairy Road and Felmor Road - JEA Water Main

| Task<br>No. | Task  | Scale | Units | No. of<br>Units | Hours/<br>Unit | No. of<br>Sheets | Total<br>Hours | Comments  |
|-------------|---|-------|-------|-----------------|----------------|------------------|----------------|---|
| 5.1         | Key Sheet                                     |       | Sheet | 1               | 2              | 1                | 2              |   |
| 5.2         | Summary of Pay Items Including Quantity Input |       | Sheet | 1               | 0              | 0                | 0              |   |
| 5.3         | Drainage Map                                  |       | Sheet | 0               | 0              | 0                | 0              |   |
| 5.4         | Interchange Drainage Map                      |       | Sheet | 0               | 0              | 0                | 0              |   |
| 5.5         | Typical Section Sheets                        |       | Sheet | 0               | 0              | 0                | 0              |   |
| 5.6         | General Notes/Pay Item Notes                  |       | Sheet | 1               | 2              | 1                | 2              | JEA General Notes   |
| 5.7         | Summary of Quantities                         |       | Sheet | 0               | 0              | 0                | 0              |   |
| 5.8         | Box Culvert Data Sheet                        |       | Sheet | 0               | 0              | 0                | 0              |   |
| 5.9         | Bridge Hydraulics Recommendation Sheets       |       | Sheet | 0               | 0              | 0                | 0              |   |
| 5.10        | Summary of Drainage Structures                |       | Sheet | 0               | 0              | 0                | 0              |   |
| 5.11        | Optional Pipe/Culvert Material                |       | Sheet | 0               | 0              | 0                | 0              |   |
| 5.12        | Project Layout                                |       | Sheet | 0               | 0              | 0                | 0              |   |
| 5.13        | Plan/Profile Sheet                            |       | Sheet | 29              | 8              | 29               | 232            | Water Design; 40' scale sheets; 15,700' total; 560' per sheet |

## Project Activity 5: Roadway Plans

| Task<br>No. | Task                                     | Scale | Units | No. of<br>Units | Hours/<br>Unit | No. of<br>Sheets | Total<br>Hours | Comments    |
|-------------|--|-------|-------|-----------------|----------------|------------------|----------------|-------------|
| 5.14        | Profile Sheet                            |       | Sheet | 0               | 0              | 0                | 0              |             |
| 5.15        | Plan Sheet                               |       | Sheet | 0               | 0              | 0                | 0              | •           |
| 5.16        | Special Profile                          |       | Sheet | 0               | 0              | 0                | 0              |             |
| 5.17        | Back of Sidewalk Profile Sheet           |       | Sheet | 0               | 0              | 0                | 0              |             |
| 5.18        | Interchange Layout Sheet                 |       | Sheet | 0               | 0              | 0                | 0              |             |
| 5.19        | Ramp Terminal Details (Plan View)        |       | Sheet | 0               | 0              | 0                | 0              |             |
| 5.20        | Intersection Layout Details              |       | Sheet | 0               | 0              | 0                | 0              |             |
| 5.21        | Miscellaneous Detail Sheets              |       | Sheet | 0               | 0              | 0                | 0              |             |
| 5.22        | Drainage Structure Sheet (Per Structure) |       | EA    | 0               | 0              |                  | 0              |             |
| 5.23        | Miscellaneous Drainage Detail Sheets     |       | Sheet | 0               | 0              | 0                | 0              |             |
| 5.24        | Lateral Ditch Plan/Profile               |       | Sheet | 0               | 0              | 0                | 0              |             |
| 5.25        | Lateral Ditch Cross Sections             |       | EA    | 0               | 0              |                  | 0              |             |
| 5.26        | Retention/Detention Ponds Detail Sheet   |       | Sheet | 0               | 0              | 0                | 0              |             |
| 5.27        | Retention Pond Cross Sections            |       | EA    | 0               | 0              |                  | 0              |             |
| 5.28        | Cross-Section Pattern Sheet              |       | Sheet | 0               | 0              | 0                | 0              |             |
| 5.29        | Roadway Soil Survey Sheet                |       | Sheet | 0               | 0              | 0                | 0              | - 44 (A.C.) |

# Project Activity 5: Roadway Plans

| Task<br>No. | Task                                  | Scale  | Units   | No. of<br>Units | Hours/<br>Unit | No. of<br>Sheets | Total<br>Hours | Comments |
|-------------|---------------------------------------|--------|---------|-----------------|----------------|------------------|----------------|----------|
| 5.30        | Cross Sections                        |        | EA      | 0               | 0              |                  | 0              |          |
| 5.31        | Traffic Control Plan Sheets           |        | Sheet   | 0               | 0              | 0                | 0              |          |
| 5.32        | Traffic Control Cross Section Sheets  |        | EA      | 0               | 0              |                  | 0              |          |
| 5.33        | Traffic Control Detail Sheets         |        | Sheet   | 0               | 0              | 0                | 0              | -        |
| 5.34        | Utility Adjustment Sheets             |        | Sheet   | 0               | 0              | 0                | 0              |          |
| 5.35        | Selective Clearing and Grubbing       |        | Sheet   | 0               | 0              | 0                | 0              |          |
| 5.36        | Erosion Control Plan                  |        | Sheet   | 0               | 0              | 0                | 0              |          |
| 5.37        | SWPPP                                 |        | Sheet   | 0               | 0.25           | 0                | 0              |          |
| 5.38        | Project Control Network Sheet         |        | Sheet   | 0               | 0              | 0                | 0              |          |
| 5.39        | Environmental Detail Sheets           |        | LS      |                 |                |                  | 0              |          |
| 5.40        | Utility Verification Sheet (SUE Data) |        | Sheet   | 0               | 0              | 0                | 0              |          |
|             |                                       | Roadwa | y Plans | Technica        | l Subtotal     | 31               | 236            |          |
| 5.41        | Quality Assurance/Quality Control     |        | LS      | %               | 5%             |                  | 12             |          |
| 5.42        | Supervision                           |        | LS      | %               | 5%             |                  | 12             |          |
|             |                                       |        | 5. Ro   | adway P         | lans Total     | 31               | 260            |          |

## **Project Activity 7: Permitting**

Estimator: Danny Waltermyer, P.E.

Pages Dairy Road and Felmor Road - JEA Water Main

N/A

| Task<br>No. | Task   | Units | No of<br>Units | Hours/<br>Unit | Total Hours | Comments                          |
|-------------|--|-------|----------------|----------------|-------------|-----------------------------------|
| 7.1         | Kickoff Meeting  | LS    | 1              | 0              | 0           |                                   |
| 7.2         | Identify Existing UAO(s)   | LS    | 1              | 0              | 0           |                                   |
| 7.3         | Make Utility Contacts  | LS    | 1              | 0              | 0           |                                   |
| 7.4         | Exception Coordination   | LS    | 1              | 0              | 0           |                                   |
| 7.5         | Preliminary Utility Meeting  | LS    | 1              | 0              | 0           |                                   |
| 7.6         | Individual/Field Meetings  | LS    | 1              | 4              | 4           | 1 Field Meeting, 1 Person x 4 Hrs |
| 7.7         | Collect and Review Plans and Data from UAO(s)  | LS    | 1              | 0              | 0           |                                   |
| 7.8         | Subordination of Easements Coordination  | LS    | 1              | 0              | 0           |                                   |
| 7.9         | Utility Design Meeting   | LS    | 1              | 0              | 0           |                                   |
| 7.10        | Review Utility Markups and Work Schedules, and<br>Processing of Schedules and Agreements | LS    | 1              | 0              | 0           |                                   |
| 7.11        | Utility Coordination/Followup  | LS    | 1              | 0              | 0           |                                   |
| 7.12        | Utility Constructability Review  | LS    | 1              | 0              | 0           |                                   |
| 7.13        | Additional Utility Services  | LS    | 1              | 0              | 0           |                                   |
| 7.14        | Processing Utility Work by Highway Contractor (UWHC)                                     | LS    | 1              | 0              | 0           |                                   |
| 7.15        | Contract Plans to UAO(s)   | LS    | 1              | 0              | 0           |                                   |
| 7.16        | Certification/Close-Out  | LS    | 1              | 0              | 0           |                                   |
| 7.17        | Other Utilities  | LS    | 1              | 40             | 40          | Utility permitting                |
|             |  |       | 7. Perm        | itting Total   | 44          |                                   |

## **Project Activity 7: Permitting**

| Kickoff                 | EA | 0 |
|-------------------------|----|---|
| Preliminary Meeting     | EA | 0 |
| Individual UAO Meetings | EA | 0 |
| Field Meetings          | EA | 0 |
| Design Meeting          | EA | 0 |
| Other Meetings          | EA | 0 |

DRMP, INC.

PRINCIPALS
Wayne D. Chalifoux
Donaldson K. Barton, Jr.
Glenn J. Lusink
Jon S. Meadows
Mark D. Prochak
Mark F. Puckett

Lawrence L. Smith, Jr.





8001 Belfort Parkway, Suite 200, Jacksonville, Florida 32256 Phone: 904.641.0123 | Fax: 904.641.8858

April 9, 2019

Danny Waltermyer, P.E. Connelly & Wicker, Inc. 10060 Skinner Lake Drive, Suite 500 Jacksonville, FL 32246 904.265.3030

Sent via email: dwaltermyer@cwieng.com

Subject: JEA Water Main Extension, Felmor Road, Nassau County, Florida

Dear Mr. Waltermyer;

DRMP, Inc. (DRMP) is pleased to submit the following proposal for a Survey and Subsurface Utility Engineering Services on the above subject project. The following is our proposal:

#### **SCOPE OF SERVICES**

#### PART I TOPOGRAPHIC SURVEY

**DRMP** will provide a Topographic Survey, project limits 1,200 feet southerly from the end of our previous survey, just south of the rail road crossing. Limits will extend to just past William Avenue and the existing water main end. The horizontal and vertical datums will be referenced to our previous work.

## PART II SUBSURFACE UTILITY DESIGNATES

DRMP will provide subsurface utility designates within the project limits described in PART I. This proposal assumes two buried utilities along Felmor Road (total 2,400 feet). The designated utilities will be surveyed and included in the final survey drawing.

## PART III SUBSURFACE UTILITY TEST HOLES (VVHs)

DRMP will provide utility location vacuum test holes (VVH's) to verify (vertical and horizontal) location of each targeted utility. This proposal assumes we will dig up to 10 VVH's with possibly 5 being under hard surfaces/pavers (Hard Surface \$500/vvh; Soft Surface \$350/vvh). The location of these VVH's will be determined by the design engineer and provided to DRMP via sketch or cad file prior to beginning work. All efforts will be performed in accordance with the Underground Facility Damage Prevention and Safety Act, Chapter 556, Florida Statutes. All work shall conform to CI/ASCE 38 -02 utilizing quality level A and B.

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1.800.375.3767 www.DRMP.com



#### PART III DELIVERABLES

The survey will be delivered in electronic Micro Station with a signed and sealed copy.

#### PART V COMPENSATION SUMMARY AND TERMS

The following summarizes the fees and billing terms as proposed by DRMP for the Scope of Services as presented herein. Please note billing terms for direct expenses. All additional meetings as requested by the Client will be invoiced hourly.

PART I, II & III Lump Sum Fee: \$19,482.30

If <u>Connelly & Wicker, Inc.</u> desires to change or expand upon these proposed services, an additional fee shall be negotiated. This renegotiation shall be accomplished prior to commencing the additional work, and may be necessary for any services which are not a part of this contract.

Reimbursable such as overnight mailings, sending electronic files, copying charges, blueprinting costs, plotting of extra drawings not covered herein, delivery, shipping, or rush charges, etc. will be billed as an Extra cost on a Time, Materials and Expense basis.

It may be necessary for the Project Manager to call the client to receive verification and authorization for Extra Costs stated above in the preceding paragraph, and may further require the client to sign an Additional Work Authorization Form for any out-of-scope requests.

We sincerely appreciate this opportunity to provide professional services for this project. Space has been provided for your acceptance of this proposal. Your signature will constitute a contract between us for the work, methods of compensation, etc. as specified herein. If you are in agreement, please sign and return two proposals to our office, we will then sign and return one to you. If you have any questions regarding this proposal, please contact our office.

Sincerely, **DRMP**, **Inc**.

C. William Faust, PSM

Date

Jacksonville Survey Manager



Accepted by:

| Authorized Signature | Date | Witness signature | Date |
|----------------------|------|-------------------|------|
| Print Name:          |      | Print Name:       | 188  |
| Title:               |      | Title:            |      |