

## TASK ORDER NUMBER EIGHT

This Task Order is made as of this 5 day of June, 2023, under the terms and conditions established in the MASTER AGREEMENT BETWEEN OWNER AND ENGINEER FOR PROFESSIONAL SERVICES (the Agreement), between CITY OF DALTON (OWNER) and CROY ENGINEERING, LLC (ENGINEER). This Task Order is made for the following purpose, consistent with the Project defined in the Agreement:

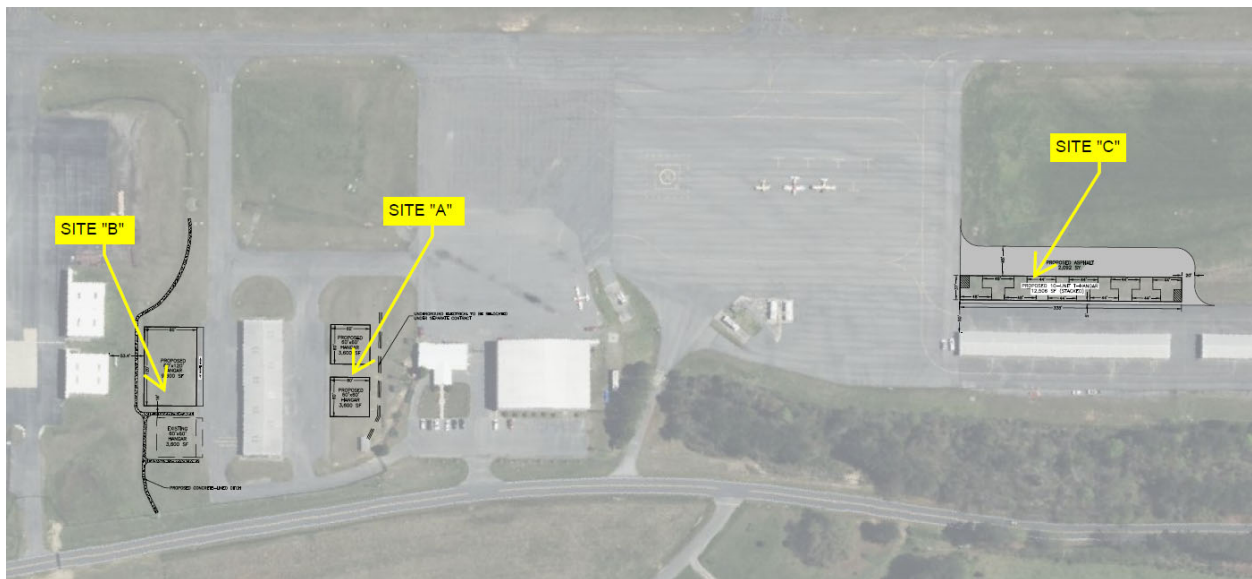
*Preparation of Design Plans and Contract Documents for  
T-Hangar and Corporate Hangar Developments*

### Section A - Scope of Services

The Engineering Design Services will consist of project formulation; preparation of construction drawings and specifications necessary to complete the project. The design services will include the following elements of work:

#### T-Hangar and Corporate Hangar Development

- Up to four (4) Corporate Hangars on two separate sites "A" (Two Hangars) and "B" (One or Two Hangars)
- Up to ten (10) "stacked" T-hangars (approx. 44-48' wide by 37' deep) restrooms on each end. This is considered Site Area "C"
- Concrete "slab" foundations for all buildings
- Taxilane and asphalt expansion to access T-hangars at Site Area "C"
- All necessary water, electricity, and sewer hook-ups, as directed by owner



The Engineering Design Services will consist of project formulation, preparation of construction drawings and specifications necessary to complete the project, the necessary documents to advertise for bids, receive construction proposals and award construction contract, as well as coordination with the Georgia Department of Transportation (GDOT), Aviation Programs. The design and bid phase services will include the following elements of work:

**Element 1 – Project Formulation and Coordination** shall include:

1. The preparation of work scope and fees
2. A pre-design/scoping meeting with GDOT & the Sponsor
3. Preparation and coordination of the Categorical Exclusion Checklist per FAA Order 5050 4B and 1051.1F
4. Preparation and submittal of Form 7460 and Construction Safety Phasing Plan (CSPP) to GDOT and FAA
5. Attend one (1) site visit to observe existing site conditions.

**Element 2 – Survey** shall include:

1. **Field Data Collection** will include the field time for a survey crew to locate and conduct a field run topographic survey and provide surface elevations of the future hangar development area (approximately 4 acres) shown in Exhibit 1 below. The scope of field data collection shall include the following:
  - Site reconnaissance to determine survey limits and identify features to be located and take photos of the site as needed.
  - Establish survey control.
  - Field topographic survey
  - Locate existing edge of pavement in the survey limits, including elevations 10' inside pavement edge at designated future pavement tie-in areas.
  - Locate storm drains or sewer drains in the survey limits, prepare sketches, obtain inverts, pipe size, type information and direction of flow.
  - Locate swales, ditches, storm and sewer structures and drains.
  - Locate power poles, guy anchors, guy poles, utility poles, wires, power boxes, and pads.
  - Locate visible water meters, gas meters, valves, hydrants, sprinkler heads.
  - Locate paint markings and stripes, aircraft tie downs, light poles and ground lights, EOP, etc.
2. **Office Reduction of Field Collected Data** shall include the required office work for the reduction of the field gathered survey information and will be the basis for the engineering design and documents.
3. **Preparation of Survey Plan** – the survey information will be prepared and converted into an AutoCAD .dwg file to be incorporated into the engineering base file(s).

*Exclusions: This proposal does not include the following items: easement exhibit plats, boundary survey or ties to property lines, engineering work, ALTA survey, recording the survey, boundary line disputes, preparation of legal descriptions, dividing property, court costs stemming from a boundary dispute, additional field work due to lack of evidence,*

*re-staking of any features originally placed on the ground by our crews, fees associated with accessing property, easements not of record or underground utility locations, any efforts associated with rezoning the property, environmental Phase 1 considerations, Subsurface Utility Engineering Level A or B utility locations performed by Croy personnel.*

**Element 3 – Geotechnical Investigation** shall include:

1. **Geotechnical Investigation and Evaluation** will be performed by a subconsultant to Croy in general accordance with *FAA 150-5320-6G Airport Pavement Design and Evaluation* and shall include predesign subsurface investigations for borings and soil samples in the future hangar development areas. This phase will include the field work, lab analysis, pavement design recommendation, and geotechnical report. See attached scope of work from proposed sub-consultant Geo-Hydro (Exhibit II).

**Element 4 – Construction Plans** will consist of:

1. **Cover Sheet** listing the name of the airport, description of the project, vicinity and location maps, project number and index of drawings.
2. **Summary of Quantities Sheet** listing the name pay item number, specification number, name of each pay item, unit of measure and estimated quantities determined during the design phase.
3. **General Notes** listing the overall project notes and any otherwise pertinent information to the project or project site as a whole.
4. **Abbreviations & Legend** listing the abbreviations used in the design set and including the guide to the common symbols used in the design set.
5. **Project Layout and Construction Safety Phasing Plan** including a sketch of the airport, existing property lines, the airport operation area, contractor access route and staging area, and general project safety relative to the airport during construction.
6. **Construction Phasing Plan** will show the specific phasing of the project elements and construction activities.
7. **Existing Conditions and Demolition Plan** will show existing conditions provided by the surveys illustrating the current condition of the project site. These plans will also show the areas and items that are to be removed, relocated, cleared, etc. for the development of project site.
8. **Grading and Drainage Plan** consists of the utilization of the topographic survey in refining the existing grading plan for the proposed hangar development, including the following:
  - a. Analysis and evaluation of existing apron and taxiway slopes to ensure current FAA compliance.

- b. Analysis and evaluation of stormwater collection from proposed development to prevent ponding and ensure proper conveyance away from site.
  - c. Analysis and evaluation of areas to be milled and overlaid at areas of pavement tie-in.
  - d. Design of new storm drain inlets and associated storm lines.
  - e. Profiles of new storm lines.
9. **Typical Sections** will delineate the width and typical makeup for the various sections of pavement included in the project.
  10. **Paving and Jointing Plans and Details** will provide a layout of the paving for the rehabilitation or reconstruction including any joints with existing pavement to remain. The details for the pavement and joints will be included as support for the design.
  11. **Pavement Marking and Striping Plans and Details** will provide a layout of the pavement marking and striping for the airfield and landside pavements and the details will support the layout.
  12. **Construction Details** will be provided to support the design.
  13. **Utility Plans and Details** will provide a layout for providing water, sewer, and electrical services to the proposed hangar buildings.
  14. **Erosion Control Plans and Notes** will provide three-phase NPDES plans for the protection of the land disturbance areas of this project.
  15. **Erosion Control Details** will be provided to support the design of the erosion control materials and systems.
  16. **Hangar Buildings Concrete Slab Plans and Details** will provide a layout of the concrete foundations for the proposed hangar buildings. Also included are the structural details, anchor bolt and footing details and slab thickness.
  17. **T-Hangar Building Plan** will be provided for the T-hangars.
  18. **Corporate Hangar Building Plan** will be provided for the corporate hangars.
  19. **Electrical Plans and Details** will utilize an architectural subconsultant for service to the new hangar buildings.
  20. **Mechanical Plan and Details** will utilize an architectural subconsultant for fire protection of new hangar buildings.

**Element 5 – Contract Documents** (booklet) including the advertisement for bids, instructions to bidders, bid documents, contract documents, bid bond, performance bond, payment bond,

and FAA and/or GDOT specifications to include Special Provisions to published specifications. This element shall include preparation of an engineering cost estimate for the project. Also included in this element is the anticipated monthly update report to the GDOT Project Manager identifying the aspects of the project that have been accomplished or focused on during the preceding month.

**Element 6 – Engineers/Design Report** shall include a detailed description of the project construction, design calculations, and discussion of rationale for design decisions, including site suitability, best use, hangar size, etc..

**Element 7 – Coordination, Review, and Comments** will be addressed throughout the project through team, client, and agency coordination and meetings. GDOT comments will be addressed after the 90 percent submittal to GDOT.

**Element 8 – Bid Phase Services** shall include coordination and preparation of the Advertisement for Bid (AFB), assisting with posting the project to local media and state procurement website, planning, attending, and administering the Pre-Bid Meeting, receiving, and responding to Requests for Information (RFI's), managing the Plan Holders List, attending and administering the Bid Opening, and preparation of Bid Results Tab and Bid Recommendation Letter.

#### **Element 9 – ALP Red-Line Update**

Site "A" is not currently represented on the current Airport Layout Plan (ALP) as a future hangar site. A "redline" update of the most recent ALP will be prepared to reflect the proposed construction.

This project will be designed in accordance with the provisions of the Federal Aviation Administration (FAA) Advisory Circular 150/5300-13B, dated 3/31/2022. All construction details will conform to FAA Specifications and indicate published specification reference. GDOT Specifications will be used in absence of FAA Specifications with approval by agency.

Deliverables will consist of electronic Plans and Specifications to GDOT for review and comment prior to the bidding phase. One (1) electronic (pdf) set of the final plans and specifications; and one copy of the final plan and one (1) electronic copy of the plan set in AutoCAD format will be provided to GDOT for the project. The 7460 and CSPP documents will be submitted to GDOT for review prior to initial submittal to FAA. Construction contract from GDOT will not be initiated until receipt of all deliverables.

#### **Section B - Schedule**

ENGINEER shall perform the Services and deliver the related Documents (if any) according to the following schedule: Work shall begin within ten (10) days of the notice to proceed. A signed copy of this Task Order will serve as ENGINEER's notice to proceed.

#### **Section C - Compensation**

1. In return for the performance of the foregoing obligations, OWNER shall pay to ENGINEER the amount of \$157,778.60, payable according to the following terms:

- a. Invoicing will be submitted monthly for work completed to-date.

- b. A lump sum fee applies for each task as follows and shall be billed based upon percentage of work completed to-date. Expenses for services such as mileage, document reproduction, permit application fees, shipping costs, etc. are not included in the lump sum fee, and shall be billed separately as a reimbursable expense. The lump sum fee and estimated budgets for expenses are as follows:

<b>Element 1 – Project Formulation</b>	<b>\$ 15,660.49</b>
Lump Sum Fee:	\$ 15,422.99
Estimated Expenses:	\$ 237.50
<b>Element 2 – Survey Work</b>	<b>\$ 11,091.27</b>
Lump Sum Fee:	\$ 11,091.27
Estimated Expenses:	\$ 0.00
<b>Element 3 – GeoTechnical Investigation</b>	<b>\$ 20,843.82</b>
Lump Sum Fee:	\$ 20,843.82
Estimated Expenses:	\$ 0.00
<b>Element 4 – Construction Plans</b>	<b>\$ 80,671.39</b>
Lump Sum Fee:	\$ 80,471.39
Estimated Expenses:	\$ 200.00
<b>Element 5 – Contract Documents</b>	<b>\$ 7,807.48</b>
Lump Sum Fee:	\$ 7,732.48
Estimated Expenses:	\$ 75.00
<b>Element 6 – Engineer’s/Design Report &amp; As-Builts</b>	<b>\$ 5,910.50</b>
Lump Sum Fee:	\$ 5,910.50
Estimated Expenses:	\$ 0.00
<b>Element 7 – Coordination, Review and Comments</b>	<b>\$ 8,209.63</b>
Lump Sum Fee:	\$ 8,134.63
Estimated Expenses:	\$ 75.00
<b>Element 8 – Bid Services</b>	<b>\$ 6,746.19</b>
Lump Sum Fee:	\$ 6,546.19
Estimated Expenses:	\$ 200.00
<b>Element 9 – ALP Red-Line Update</b>	<b>\$ 837.83</b>
Lump Sum Fee:	\$ 837.83
Estimated Expenses:	\$ 0.00
<b>ENGINEERING DESIGN TOTAL</b>	<b>\$157,778.60</b>

2. Compensation for Additional Services (if any) shall be paid by OWNER to ENGINEER according to the following terms: Compensation for additional services shall be paid by the OWNER to the ENGINEER per the Croy Engineering GDOT Hourly Rate Schedule attached to this Proposal.

#### **Section D - Owner’s Responsibilities**

OWNER shall perform and/or provide the following in a timely manner so as not to delay the Services of ENGINEER. Unless otherwise provided in this Task Order, OWNER shall bear

all costs incident to compliance with the following:

N/A

**Section E - Other Provisions**

The parties agree to the following provisions with respect to this specific Task Order:

N/A

IN WITNESS WHEREOF the parties hereto have made and executed this Task Order.

OWNER:

CITY OF DALTON

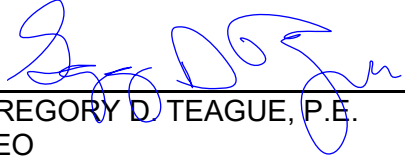
\_\_\_\_\_  
DAVID PENNINGTON  
Mayor

ATTEST:


\_\_\_\_\_

ENGINEER:

CROY ENGINEERING, LLC

  
\_\_\_\_\_  
GREGORY D. TEAGUE, P.E.  
CEO

ATTEST:

  
\_\_\_\_\_  
PATRICK T. LENTON, P.E.  
Aviation Division Manager

**Exhibit "B" Hourly Rate Schedule****Croy Engineering, LLC  
GDOT HOURLY RATES**

Employee Category	Billing Rate Raw+OH+ Profit+FC						
	CM	Raw Rate	GDOT OH	Raw+OH	Profit	OH+Profit	FCCM
Updated: July 1, 2022			<b>216.47%</b>		<b>10.00%</b>		<b>0.40%</b>
Principal	\$246.61	\$70.76	\$153.17	\$223.93	\$22.39	\$246.33	\$0.28
Project Manager	\$209.46	\$60.10	\$130.10	\$190.20	\$19.02	\$209.22	\$0.24
Engineer 3	\$198.13	\$56.85	\$123.06	\$179.91	\$17.99	\$197.90	\$0.23
Engineer 2	\$174.26	\$50.00	\$108.24	\$158.24	\$15.82	\$174.06	\$0.20
Engineer 1	\$154.22	\$44.25	\$95.79	\$140.04	\$14.00	\$154.04	\$0.18
Designer 2	\$134.04	\$38.46	\$83.25	\$121.71	\$12.17	\$133.89	\$0.15
Designer 1	\$124.32	\$35.67	\$77.21	\$112.88	\$11.29	\$124.17	\$0.14
Tech 2	\$113.93	\$32.69	\$70.76	\$103.45	\$10.35	\$113.80	\$0.13
Tech 1	\$108.60	\$31.16	\$67.45	\$98.61	\$9.86	\$108.47	\$0.12
CADD Operator	\$100.55	\$28.85	\$62.45	\$91.30	\$9.13	\$100.43	\$0.12
Admin	\$93.37	\$26.79	\$57.99	\$84.78	\$8.48	\$93.26	\$0.11
RLS/Survey Manager	\$201.06	\$57.69	\$124.88	\$182.57	\$18.26	\$200.83	\$0.23
Crew (2-Person)	\$186.81	\$53.60	\$116.03	\$169.63	\$16.96	\$186.59	\$0.21
Crew (3-Person)	\$251.63	\$72.20	\$156.29	\$228.49	\$22.85	\$251.34	\$0.29
Field Rep 3 (Regular Time)	\$126.86	\$36.40	\$78.80	\$115.20	\$11.52	\$126.71	\$0.15
Field Rep 3 (Overtime)	\$182.83	\$52.46	\$113.56	\$166.02	\$16.60	\$182.62	\$0.21
Field Rep 2 (Regular Time)	\$108.14	\$31.03	\$67.17	\$98.20	\$9.82	\$108.02	\$0.12
Field Rep 2 (Overtime)	\$155.33	\$44.57	\$96.48	\$141.05	\$14.11	\$155.16	\$0.18
Field Rep 1 (Regular Time)	\$103.54	\$29.71	\$64.31	\$94.02	\$9.40	\$103.43	\$0.12
Field Rep 1 (Overtime)	\$118.46	\$33.99	\$73.58	\$107.57	\$10.76	\$118.32	\$0.14
Land Acq Admin	\$93.37	\$26.79	\$57.99	\$84.78	\$8.48	\$93.26	\$0.11
Land Acq Negot Agent Trainee	\$86.78	\$24.90	\$53.90	\$78.80	\$7.88	\$86.68	\$0.10
Land Acq Negot Agent 1	\$89.22	\$25.60	\$55.42	\$81.02	\$8.10	\$89.12	\$0.10
Land Acq Negot Agent 2	\$110.13	\$31.60	\$68.40	\$100.00	\$10.00	\$110.00	\$0.13
Land Acq Negot Agent 3	\$132.40	\$37.99	\$82.24	\$120.23	\$12.02	\$132.25	\$0.15
Land Acq Reloc Agent	\$127.56	\$36.60	\$79.23	\$115.83	\$11.58	\$127.41	\$0.15
Land Acq Relo Benefits Pkg	\$127.56	\$36.60	\$79.23	\$115.83	\$11.58	\$127.41	\$0.15
Land Acq ROW Mngr	\$142.51	\$40.89	\$88.51	\$129.40	\$12.94	\$142.35	\$0.16

Please note that expenses such as mileage, document reproduction, permit application fees, shipping costs, etc. are not included in the fees above, and shall be billed separately as a reimbursable expense.