

AUTHORIZING A STANDARD AGREEMENT WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION, DIVISION OF AERONAUTICS (IDOT-DOA), FOR CONSTRUCTION SERVICES WITH CRAWFORD, MURPHY AND TILLY, INC. FOR DESIGN/SPECIAL SERVICES AND CONSTRUCTION PHASE ENGINEERING FOR THE MILLING AND OVERLAY OF TAXIWAY C AT THE DEKALB TAYLOR MUNICIPAL AIRPORT (PROJECT DKB-4875).

WHEREAS, the City of DeKalb (the "City") is a home rule unit of local government which may exercise any power and perform any function pertaining to its government and affairs pursuant to Article VII, Section 6, of the Illinois Constitution of 1970; and

WHEREAS, the City is the owner-operator of DeKalb Taylor Municipal Airport (the "Airport"); and

WHEREAS, the Airport requires specialized design, constructing and engineering services to mill and overlay Taxiway C; and

WHEREAS, the City's corporate authorities find that it is in the City's best interests for the protection of the public health, safety, morals and welfare to authorize the Mayor to enter into a Standard Agreement for Consultant Services at Illinois Airports for Design/Special and Construction Phase Engineering with Crawford, Murphy and Tilly, Inc. ("Contractor") for airport design phase engineering services at the Airport.

NOW THEREFORE, BE IT RESOLVED BY COUNCIL OF THE CITY OF DEKALB, ILLINOIS:

SECTION 1: The City's corporate authorities approve, authorize, direct and ratify the Mayor to enter into a Standard Agreement for Construction Services at Illinois Airports for Design/Special and Construction Phase Engineering with Contractor in the form attached hereto and incorporated herein as Exhibit A, subject to such changes as are acceptable to the Mayor.

SECTION 2: This resolution and each of its terms shall be the effective legislative act of a home rule municipality without regard to whether such resolution should (a) contain terms contrary to the provision of current or subsequent non-preemptive state law, or (b) legislate in a manner or regarding a matter not delegated to municipalities by state law. It is the intent of the corporate authorities of the City of DeKalb that to the extent that the terms of this resolution should be inconsistent with any non-preemptive state law, that this resolution shall supersede state law in that regard within its jurisdiction.

SECTION 3: This resolution shall be in full force and effect from and after its passage and approval as provided by law.

PASSED BY THE CITY COUNCIL of the City of DeKalb, Illinois at a Regular meeting thereof held on the 9th day of August 2021 and approved by me as Mayor on the same day. Passed by an 8-0 roll call vote. Aye: Morris, Larson, Smith, Perkins, McAdams, Verbic, Faivre, Barnes. Nay: None.



Cohen Barnes
COHEN BARNES, Mayor

ATTEST:
Ruth A. Scott
Ruth A. Scott, Executive Assistant

**STANDARD AGREEMENT FOR CONSULTANT SERVICES AT ILLINOIS AIRPORTS
FOR ARCHITECTURAL/ENGINEERING (A/E), PLANNING AND SPECIAL SERVICES**

**Authorized for use by
The Illinois Department of Transportation
Division of Aeronautics
Effective: June 2012**

- | | |
|--|---|
| <input type="checkbox"/> Preliminary Assessment and Schematic Design | <input type="checkbox"/> Construction Phase Services |
| <input checked="" type="checkbox"/> Design Phase Services | <input checked="" type="checkbox"/> Planning and Special Services |

THIS AGREEMENT, made at DeKalb, Illinois, this 12th day of July in the year 2021 by and between the City of DeKalb (hereinafter referred to as the "Sponsor"), and Crawford, Murphy and Tilly, Inc. (hereinafter referred to as the "Consultant"). This Agreement expires 5 years from the date of execution.

WITNESSETH

The Sponsor intends to undertake the accomplishment of a project pursuant to the development of a public air navigation facility known as the DeKalb Taylor Municipal Airport (DKB) in DeKalb County, state of Illinois; and the project shall be identified as the Illinois Project No. DKB-4875; AIP Project No. 3-17-SBGP-; The following is the detailed project title and description from the Illinois Department of Transportation's Office of Planning and Programming (OP&P) program letter which shall be carried through the development of the project (attach supplemental information as necessary in Section I.H., Detailed Scope of Services):

Mill and Overlay Taxiway C

A detailed sketch of the proposed work, labeled ATTACHMENT P, shall be attached.

In consideration of the benefits which will accrue to the parties hereto by virtue of the Agreement and the respective covenants herein contained, IT IS MUTUALLY COVENANTED AND AGREED as follows:

The Consultant agrees to furnish executed "Certification of Engineer" and certain professional engineering services enumerated herein-after, in connection with the implementation and development of the aforesaid project.

The Department of Transportation, Division of Aeronautics within the state of Illinois shall act as Agent of the Owner/Sponsor for all matters involving the development of any public air navigation facility by virtue of the Illinois Aeronautics Act. The Illinois Aeronautics Act requires and directs the Illinois Department of Transportation, Division of Aeronautics (hereinafter referred to as the "Department") to "*regulate and supervise aeronautics within this state*", with "*aeronautics*" defined as "...*the design, establishment, construction, extension, operation, improvement, repair or maintenance of airports...*". The Department shall not expend any funds appropriated, or made available for any work upon any such project that is not contracted for and constructed or developed under the supervision or direction of the Department. Financial assistance may include reimbursement to eligible airport Sponsors for engineering costs directly related to projects financed in whole or in part by federal/state monies provided such engineering costs were approved by the Department prior to the payment of these costs by the airport Sponsor. The approval of engineering costs prior to payment shall qualify those costs for federal/state reimbursement but shall not constitute an obligation of federal/state funds.

Since the services contemplated under this Agreement are professional in nature, it is understood that the Consultant, acting as an individual, partnership, firm or other legal entity, is of professional status and will be governed by professional ethics in their relationship to the Department and the Sponsor. The Department acknowledges the professional and ethical status of the Consultant by approving this Agreement and the associated fees for federal/state eligibility (either in whole or part) on the basis of their qualifications and experience and determining their compensation by mutually satisfactory negotiations.

Any additions/deletions, revisions/modifications to this Agreement without the expressed written consent of the Department shall void this Agreement as it relates to state and federal funding participation eligibility.

I. ARCHITECTURAL/ENGINEERING (A/E), PLANNING AND SPECIAL SERVICES

The Consultant agrees to perform various professional engineering and planning services and provide necessary and required information pursuant to the accomplishment of the above referenced project.

It is understood that meetings will be common to all phases. The Consultant will coordinate project kick-off, pre-design and pre-construction meetings and project status update meetings, as required, in order to resolve project issues with the Department, Sponsor and/or other regulatory and review agencies. The Department shall be notified of scheduled agency meetings and given the opportunity to participate. Meetings for which effort will be billed shall be thoroughly documented by minutes with copies distributed to the Sponsor and the Department within 10 days of the meeting. Failure to properly document meeting discussions could result in the loss of part or all of the professional services compensation eligibility associated with this activity.

A. PRELIMINARY ASSESSMENT AND SCHEMATIC DESIGN – Included with Paragraph I.B

This phase includes activities required for agency coordination and permit development, non-routine surveys, testing and architectural/engineering preliminary design considerations of a project. Elements of this phase may include development of architectural schematic building designs and reports, non-routine geological and field investigations (soil borings and pavement cores), DCP testing, FWD testing (when used to evaluate pavement as part of a strengthening project), coordination of FAA reimbursable agreements, coordination of utility relocation agreements, coordination of force account activity (must be pre-approved by the Department in writing).

The Consultant shall furnish and/or perform engineering reconnaissance necessary for the preparation and development of an engineering report, bidding documents (design plans and specifications) including topographic field surveys, crack surveys, and sampling and testing for routine soils investigations (in accordance with ATTACHMENT J – Testing Schedule & ATTACHMENT K – Testing Rates & Cost Summary).

This phase will culminate in the submittal of a detailed engineering report with project alternatives and design recommendations and project completion timeline assessment.

The Consultant shall furnish an engineering report in accordance with standard practices and the provisions of ATTACHMENT E – Engineering Report. The report will include an analysis of preliminary surveys, geotechnical testing and alternative designs and include final project design recommendations.

The project completion timeline assessment will identify necessary effort required to complete the final project design (complete construction plans and specifications). This phase of project development will represent approximately 35% of the project design timeline. Project formulation should be consistent with the TIP submittal and the program letter project description (ATTACHMENT R). If not, identify components that have changed as a result of the preliminary assessment and schematic design analysis.

A detailed scope of services shall be attached with anticipated labor effort and costs delineated in ATTACHMENTS A / A1.

B. DESIGN PHASE SERVICES

This phase shall include activities required to accomplish a project design in accordance with the established Aeronautics letting schedule project design timeline and approved letting date determined at the pre-design meeting. Requests for time extensions beyond the previously agreed-to submittal deadline dates (as established in the Department's Letting Schedule, ATTACHMENT Q, and this Agreement) must be made to the Department in writing not less than 5 days prior to the due date of the submittal. The request for extension must be signed by a principal/officer of the Consultant's firm. Incomplete submittals will not be accepted.

Milestone submittals include the engineering report (at 35% design timeline), plan / spec review (at 80% design timeline) and final submittal of all deliverables (at 100% design timeline). A detailed scope of services shall be attached with anticipated labor effort and costs delineated in ATTACHMENTS B / B1. Elements of this phase may include:

1. CONSTRUCTION PLANS, SPECIAL PROVISIONS AND ESTIMATES

The Consultant shall prepare and furnish for Department review and comment construction plans, special provisions and construction Safety Plan (per guidance explained in FAA AC 150/5370-2F (or current) Operational Safety on Airports during Construction) at the 80% project design timeline with detailed estimate of costs, estimated DBE participation goal and working/calendar day flow chart, for the particular design authorized in this Agreement.

2. CLARIFICATION OF PLANS

The Consultant shall render clarification of the construction plans and specifications, when and if such clarification is deemed necessary.

3. BIDDING ASSISTANCE

The Consultant shall assist the Sponsor and/or Department in the bidding process, analyze and summarize bid results.

C. CONSTRUCTION PHASE SERVICES – Not included in this agreement

This phase shall include all basic services after the award. A detailed scope of services shall be attached with anticipated labor effort and costs delineated in ATTACHMENTS C / C1.

1. OFFICE ENGINEERING

a. SHOP DRAWINGS

Review the detailed construction, shop and erection drawings submitted by the contractor(s) for compliance with design concepts.

b. SUPPLEMENTARY SKETCHES

Preparation of elementary and supplementary sketches plus estimates required to resolve actual field conditions.

c. RECORD DRAWINGS

The Consultant shall prepare Record Drawings within thirty (30) days after the official Notification from the Department of the Official Acceptance of the Construction Work; and after approval by the Department, furnish said Department with one (1) set of such record drawings. The submittal format shall be in accordance with the current policies of the Department

d. MATERIALS CERTIFICATION

Prior to reporting a pay item quantity for payment, the materials used and incorporated in, or associated with the pay item, shall be verified for specification compliance by the Consultant. The Consultant shall obtain and review all certifications and/or test results required by the policies of the Department and the Department's *Manual for Documentation of Airport Materials*. At the completion of, or any time prior to the completion of the final quantity of a pay item, the Consultant shall submit the aforementioned material certifications and/or test results, that were utilized for acceptance of material, to the Department for review and final approval. Prior to final payment of engineering services under this agreement, the Consultant shall have submitted required certifications and test results to the Department, and the Consultant shall have signed the Department's MATERIALS CERTIFICATION FORM.

2. FIELD ENGINEERING

a. RESIDENT ENGINEER APPROVAL

The Consultant agrees to furnish the name and qualifications of the Resident Engineer in writing for approval of the participating agencies prior to the preconstruction conference that shall attend said preconstruction conference and shall perform the various professional engineering services required of the Resident Engineer in 2.b. thru 2.f. below and inspection of construction.

b. DAILY DIARY

The Resident Engineer shall maintain a daily diary. Copies shall be forwarded to the Department (ATTACHMENT F).

c. DUTIES OF RESIDENT ENGINEER

Furnish full time (unless part time is approved by the Sponsor and/or Department) Resident Engineering of construction including project inspection, field testing, and furnish surveying at the site of the work, whose duties shall include all reasonable, proper and customary duties as are usually and customarily furnished in connection with the general engineering of construction of such improvements, including but not limited to the following:

- i. Performance of acceptance and quality assurance tests when required by Department policy and/or contract specification. Examples of these tests include but are not limited to: Testing concrete for slump and air content; testing concrete for strength; testing bituminous concrete pavement for density using the nuclear method and using the Bulk Specific Gravity Method. Obtaining representative samples of miscellaneous materials such as paint, geotextile fabric, joint sealer, epoxy, polyester resin, etc. for testing as necessary, and/or as directed by the Department; performance of field density tests of earthwork embankments, backfills and subgrade; field density tests of subbase and base courses, and moisture content tests on materials where applicable; and, laboratory proctor tests where applicable. Test Reports shall be submitted to the Department within three (3) working days of the date the test was conducted.
- ii. Inspection/Measurement/Oversight of construction to determine that the work was completed in substantial conformance with the approved plans and specifications, and in compliance with the requirements set forth in the contract documents. All stop or start work orders shall be issued by the Department; the Resident Engineer shall recommend the orders. Document pay item quantities reported for pay in accordance with the latest revision of the Department's *Airport Construction Documentation Manual*.
- iii. Preparation and forwarding to the Department of periodic project reports required by the Department. Bi-weekly construction reports will be submitted to the Department, within three (3) calendar days of the end of the contractor's work week.
- iv. To obtain and review for specification compliance, material certifications and/or test results for all materials prior to their use in the construction.
- v. To reject for inclusion in the project, any materials that are delivered without certification and/or test results, or materials delivered with certification that has been found to be in noncompliance, or any defect found through visual inspection which renders the material unsuitable for inclusion in the project. The Department shall be notified when any rejections are made. Materials that are delivered without certification and/or test results may be stockpiled or

stored in a manner acceptable to the Resident Engineer until such time as the certification and/or test result arrive and are reviewed and accepted by the Resident Engineer.

- vi. Preparation of Reports required per the Sponsor's NPDES permit while providing on-site services, retaining all support documentation.
- vii. Participate in audits performed to determine that the project is proceeding accordingly per the plans and specifications and adhering to AIP grant requirements.

d. FINAL INSPECTION

Initiate a request, upon substantial completion of all construction work, for a final inspection by the Department. When necessary, a punch list of uncompleted items and electrical checklist (if applicable) on the project shall be established at the final inspection. Submit a final acceptance letter (punch list complete) which shall certify to the Department and the Sponsor that, to the best of the Consultant's knowledge, information and belief, the work involved has been done in substantial conformance with the plans, specifications, and Contract Document, as the same shall have been modified, or supplemented by change order, supplementary contract or otherwise, and that such work is acceptable.

e. SAFEGUARD THE SPONSOR

Endeavor to safeguard the Sponsor against any defects and deficiencies on the part of the Contractor. The Resident Engineer does not guarantee the performance of the contract by the Contractor, except that the Resident Engineer shall ensure that, to the best of the Resident Engineer's knowledge, information and belief, the work has been done in substantial conformance with the approved plans and specifications and advise the Sponsor and/or the Department in writing of any known noncompliance set forth in the contract. This does not in any way mean that the Resident Engineer is a guarantor of the Contractor's work. The Resident Engineer assumes no responsibility for safety in, on or about the job site, nor shall the Resident Engineer have any responsibility for the safety or adequacy of any equipment, building component, scaffolding, forms or other work aids provided by the contractor; nor is the Resident Engineer responsible for the superintendence of the contractor's work or any acts of the contractor.

f. OTHER ENGINEERING SERVICES

Furnish other Engineering Services which may be required by the Sponsor, including surveys, sub-surface investigations, sampling, testing, and analysis of soils, offsite inspection of materials, laboratory testing, and inspection and control at central mixing plants. Where tests must be conducted by commercial laboratories, only those laboratories approved by the Department will be utilized. If any of these services are conducted by outside firms, the Resident Engineer shall submit copies of the executed contract for such services as specified in Section III.B., of this Agreement. The charges for such services shall be specified in the contract and will remain in effect until completion of the services and acceptance by the Consultant. Certified copies of the results of all tests required by the Department under this paragraph are to be mailed to the Department within five (5) calendar days after the tests are completed.

g. FINAL QUANTITIES

Final quantities associated with the accepted construction work shall be submitted to the Department within thirty (30) days after final acceptance of the construction work.

D. PLANNING AND SPECIAL SERVICES

This phase may involve activities or studies unrelated to or outside of the scope of basic design and construction phase engineering services routinely performed by the Consultant. Those activities may include master plan and airport layout plan development, environmental studies and assessments, PCI surveys, FWD testing (when used to evaluate pavement as part of a publication revision), first-order NGS monument surveys, boundary surveys, aeronautical surveys, photogrammetric surveys and topographic mapping, preparation of property ownership plats and easements, appraisal and land acquisition services, benefit / cost analysis studies, RSA determination studies, drainage studies and analyses, FEMA/FIRM map revisions and GIS updates. A detailed scope of services shall be attached with anticipated labor effort and costs delineated in ATTACHMENTS D / D1.

E. ENDORSEMENT OF DOCUMENTS

The Consultant will endorse and seal all final draft reports, contract plans, maps, right of way plats, and special provisions for construction contract documents. Such endorsements must be made by a person, duly licensed or registered in the appropriate category by the Department of Financial and Professional Regulation of the state of Illinois, being employed by the Consultant and responsible for the portion of the services for which license registration is required. These sealed documents will serve as the record documents for the services covered by the terms of the Agreement.

F. DELIVERABLES

At a minimum, the Consultant shall provide the Department (copy Sponsor upon request) the following deliverables:

1. Final project estimate of costs complete w/ professional services fees and sponsor reimbursement estimates.
2. DBE participation goal and breakout of DBE work.
3. QA verification of ELM Engineers Estimate for Schedule of Prices.
4. Calendar day estimate of construction and detailed breakout of critical work items and associated production rates.
5. One set of final construction plans (half-size) and special provisions – sealed by the Consultant and executed by the Sponsor.
6. One copy of the construction Safety Plan (per guidance explained in FAA AC 150/5370-2F (or current) Operational Safety on Airports during Construction).
7. Original executed Consultant Project Certification (ATTACHMENT N).
8. Executed DBE Final Documentation (ATTACHMENT O).
9. Electronic copy/access of all information (via CD, electronic submittal or ftp site).

G. NOTICE-TO-PROCEED (NTP)

The Consultant shall not commence any phase of the work until the "official notice-to-proceed" (NTP) has been issued in writing either by the Sponsor or Department (via Office of Planning and Programming).

Services to be performed by the Consultant under this Agreement shall become eligible for funding participation consideration as of the date of the written NTP. The execution date of the consultant retainer agreement or the execution date of a consultant agreement for a single project after consultant selection if not included within the retainer agreement, shall constitute the NTP. The Consultant shall schedule a project phase kick-off meeting (pre-design, pre-construction, etc) with the Sponsor and the Department at the earliest possible convenience upon the Sponsor's receipt of this letter.

For projects not covered by a program letter or with program letter pending, the Sponsor is fully liable for all costs incurred as a result of such authorization pending future reimbursement once the project is programmed and a program letter is issued. The Sponsor/Consultant is required to schedule a project phase kick-off meeting (pre-design, pre-construction, etc) with the Sponsor and the Department at the earliest possible convenience.

A copy of the program letter shall be included as ATTACHMENT R of this Agreement.

In the absence of a written, dated notice-to-proceed, the execution date of this Agreement shall be used to determine the eligibility of service dates.

The Sponsor and the Department are not liable, and shall not authorize payment to the Consultant, for any services performed prior to the date of notice to proceed or the execution of this Agreement (whichever takes precedent). All effort, regardless of the notice-to-proceed authorization, is subject to review and eligibility funding determination.

H. DETAILED SCOPE OF SERVICES

Under this agreement the Engineer will provide design phase services as provided for herein. The proposed project will include the design phase services for the **Mill and Overlay Taxiway C**.

The design phase engineering effort contained within this agreement has been based on the following additional scope related parameters, understanding of proposed improvements and anticipated level of effort:

- I. General
 - a. The project schedule is based on the anticipation that the project will be placed on an IDOT letting no later than July 30, 2021. As such, all engineering effort is expected to be completed by the letting date and no additional effort will be required on the project after the anticipated award date.
- II. Topographic Survey and Data Gathering
 - a. Horizontal and vertical control will be established and extended as necessary to complete the area survey. The horizontal datum used will be the Illinois State Plane Coordinate System of the North American Datum of 1983 (NAD83). This control will be established utilizing GPS and conventional ground surveys as needed. Vertical elevations will reference the North American Vertical Datum of 1988 (NAVD88).
 - b. The topographic survey will show the existing site conditions including pavement areas and types. The pavement area within the project limits will be cross-sectioned at approximately 50 foot intervals. Additional elevation data will be gathered but limited to areas adjacent to the edge of pavement.
 - c. Geotechnical Investigation will be completed to determine existing pavement structure and soil conditions. CBR, Modified Proctor, Atterberg limits and organic content testing will be completed.
- III. Project Improvements
 - a. Evaluation of the existing pavement structure along with soil conditions, existing airport fleet mix (as provided by the airport), forecasted fleet mix and existing operations/growth for the determination of pavement structural deficiencies.
 - b. The taxiway rehabilitation area is anticipated to be approximately 7100' x 50' including the transition to the connecting taxiway pavements and Runway 9/27. These transitions shall extend to the respective limits of improvements as completed under the previous Runway 2/20 rehabilitation project.
 - c. The design is limited to evaluation and rehabilitation of the existing Taxiway C pavement. No effort is expected or to evaluate or design changes to the taxiway's horizontal geometry.

- d. The design will evaluate and rehabilitate the taxiway longitudinal and transverse slopes and grading. Efforts will be made to remediate deficiencies to accommodate FAA criteria and positive drainage characteristics.
- e. Existing airfield light fixture adjustments may be necessary pending the scope of pavement improvements.
- f. Existing drainage structure adjustments may be necessary pending the scope of the pavement improvements.
- g. Remarkings of taxiway pavement markings along with runway holdline markings for the project will be designed in accordance with the latest version of the FAA's Advisory Circular, 150/5340-1, Standards for Airport Markings.
- h. Shoulder adjustment, erosion control and landscaping will be designed as necessary.

IV. Special Services

- a. NEPA Clearance and preparation of Environmental Review
- b. Airspace submittal

The anticipated effort and estimated manhours for each Task is defined within Attachments B, B-1, B-2, B-3, D, D-1, D-2 and D-3 contained within this contract.

II. CONSULTANT COMPENSATION

The Sponsor agrees to pay the Consultant as compensation for rendering the professional services hereinabove described and submitted using the standard Department invoice forms (ATTACHMENTS G & H). Burden and overhead rates entered into this Agreement shall be in effect for the length of the agreement and will not be adjusted, except as may be determined under an audit of costs by the Auditor General or the Department. The rates used in this Agreement shall be the latest audited or provisional approved rates by IDOT as of the date of execution of this Agreement (approval letter must be attached). Should the rate change in the time between the final approval notification of fees and the execution of this Agreement, hours will be adjusted accordingly so that there is no increase in the final approved not-to-exceed amount.

Any professional services effort performed beyond the not-to-exceed limits expressed below, and for which a future amendment will be sought, will be performed under all Agreement provisions as the original contracted work. The dollar value of such effort is not considered approved for payment until review and approval by the Department.

A. PRELIMINARY ASSESSMENT AND SCHEMATIC DESIGN – Compensation Included in Paragraph II.B

For services outlined in Section I.A., Preliminary Assessment and Schematic Design, and further detailed in Section I.H., Detailed Scope of Services,

- 1. a lump sum payment of \$ N/A (representing approximately 35% of the total estimated professional services compensation for design phase services as determined from the TIP request). The fee shall be paid as a lump sum when the preliminary assessment and schematic design phase deliverables (outlined in Section I.A.) are approved and accepted by the Department.

B. DESIGN PHASE SERVICES

For services outlined in Section I.B., Design Phase Services, and further detailed in Section I.H., Detailed Scope of Services,

- 1. a cost plus a fixed payment of \$ 10,400.00

total amount not to exceed \$ 89,200.00 unless a major change or addition to the scope of services is required by the Department or extensions of

time are necessary for completion of the project. All justification for amendments shall be documented with effort recorded separate from the hours approved under this Agreement. All amendment requests must be supported by justification per Section III.M., Amendments to the Agreement. The payment of this fee shall be made in monthly instalments submitted by the Consultant and approved by the Department. The final charges shall be submitted after the Design Phase Services have been performed, approved and all deliverables accepted by the Department in accordance with the guidance outlined in Section I.F. This period of time expires 30 days after award of the construction contract. Any submittal after this time shall not be considered eligible for payment / reimbursement by the Department unless extended by the Department.

2. a lump sum payment of \$ N/A unless a major change or addition to the scope of work is required by the Department or extensions of time are necessary for completion of the project. All justification for amendments shall be documented with effort recorded separate from the hours approved under this Agreement. All amendment requests must be supported by justification per Section III.M., Amendments to the Agreement. The fee shall be paid as a lump sum when the design phase deliverables (outlined in Section I.F.) are approved and accepted by the Department.

C. CONSTRUCTION PHASE SERVICES – Not included in this Agreement

For services outlined in Section I.C., Construction Phase Services, and further detailed in Section I.H, Detailed Scope of Services,

1. a cost plus a fixed payment of \$ N/A

total amount not to exceed \$ N/A unless a major change or addition to the scope of work is required by the Department or extensions of time are necessary for completion of the project. All justification for amendments shall be documented with effort recorded separate from the hours approved under this Agreement. All amendment requests must be supported by justification per Section III.M., Amendments to the Agreement. The payment of this fee shall be made in monthly installments submitted to and approved by the Sponsor (and/or Department if applicable). The final charges shall be as soon as possible after official notification from the Consultant of the acceptance of the construction work. A time line will be submitted at each billing cycle after 50% which will indicate a projection of the completed engineering fee vs. the contractor's progress.

If more than one contract exists for the project, the monthly invoices submitted by the Consultant shall detail the amounts of work accomplished under each separate contract. The invoices shall also indicate the dates that the services were performed. If these services are furnished by the Consultant by obtaining such services outside the Consultant's organization, the Consultant shall be reimbursed at his actual cost for obtaining these services. However, the total payment to the Consultant shall be within the "not to exceed" amount as previously stated unless an amendment to this agreement is approved by the Sponsor (and/or Department if applicable).

D. PLANNING AND SPECIAL SERVICES

For services outlined in Section I.D., Planning and Special Services, and further detailed in Section I.H., Detailed Scope of Services,

1. a cost plus a fixed payment of \$ 600.00

total amount not to exceed \$ 4,600.00 unless a major change or addition to the scope of work is required by the Department or extensions of time are necessary for completion of the project. All justification for amendments shall be documented with effort recorded separate from the hours approved under this Agreement. All amendment requests must be supported by justification per Section III.M., Amendments to the Agreement. The payment of this fee shall be made in

monthly installments submitted to and approved by the Sponsor. The final charges for the Special Services Phase shall be submitted within forty-five (45) days after official notification from the Consultant of the acceptance of the construction work or within 45 days after official notification from the Department of acceptance of other non-construction projects unless extended by the Department.

2. a lump sum payment of \$ N/A unless a major change or addition to the scope of work is required by the Department or extensions of time are necessary for completion of the project. All justification for amendments shall be documented with effort recorded separate from the hours approved under this Agreement. All amendment requests must be supported by justification per Section III.M., Amendments to the Agreement. The fee shall be paid as a lump sum when the deliverables are approved and accepted by the Department.

III. SPECIAL CONDITIONS

The Consultant shall render the services in accordance with generally accepted Professional Standards.

A. TERMINATION

(Reference: 49 CFR Part 18.36(i)(2); FAA Order 5100.38)

The Sponsor, by written seven (7) day notice, may terminate this agreement in whole or in part at any time, because of the failure of the other party to fulfill his agreement obligations. Upon receipt of such notice, the Consultant shall: (1) immediately discontinue all services affected (unless the notice directs otherwise), and (2) deliver to the Sponsor all data, drawings, specifications, reports, estimates, summaries and such other information and materials as may have been accumulated by the Consultant in performing this agreement whether completed or in process.

1. If the termination is due to the failure of the Consultant to fulfill his agreement obligations, the Sponsor may take over the work and prosecute the same to completion by agreement or otherwise. In such case, the Consultant shall be liable to the Sponsor for any additional cost occasioned to the Sponsor thereby.
2. If, after notice of termination for failure to fulfill agreement obligations, it is determined that the Consultant had not so failed, the termination shall be deemed to have been effected for the convenience of the Sponsor.
3. It is hereby understood and agreed that should the agreement be terminated, the Consultant shall be entitled to and shall receive a fee based on the amount of work accomplished and approved by the Department up to the day of notification of termination. The fee shall be equal to the sum of the actual number of man-hours of each category of work applied at a negotiated hourly rate, plus any outside services approved by the participating agencies and accomplished prior to the notification. If terminated under Section III.HH., Breach of Contract Terms, the Consultant will not be entitled to profit on the work accomplished.

B. CHANGE IN CONSTRUCTION PLANS

It is hereby understood and agreed that if the construction plans are completed in accordance with criteria and/or decisions made by the Sponsor (and/or the Department if applicable), and approved by the Department, and said construction plans are substantially changed or revised, for any reason other than the fault of the Consultant in preparing same, then the Consultant shall be entitled to compensation for rendering the services necessary to complete the changes. The amount of this fee shall be negotiated between the Sponsor, Consultant and the

Department, and approved by the Department, and an amendment to the agreement should be accomplished prior to authorizing the Consultant to proceed with the changes. The fee shall be due and payable when the revisions are approved by the Sponsor and the Department.

It is the Consultants responsibility to notify the Department as soon as possible when changes/revisions are identified that are beyond the scope of services contemplated under this Agreement.

C. HOLD HARMLESS

The Consultant shall be responsible to pay for all labor, material and equipment costs incurred and for any and all damages to property or persons to the proportionate extent arising out of the negligent performance of services under this agreement and shall indemnify and save harmless the Sponsor, (and/or the Department if applicable), their officers, agents and employees from all third party suits, claims, actions or damages of any nature whatsoever to the proportionate extent resulting there from. These indemnities shall not be limited by the listing of any insurance coverage. If any errors, negligent acts and/or omissions are made by the Consultant in any phase of the work under this agreement, the correction of which may require additional field or office work, the Consultant will be promptly notified and will be required to perform such additional services as may be necessary to correct these errors, negligent acts and/or omissions without undue delay and without additional cost to the Sponsor (and/or the Department if applicable). The Consultant shall be responsible for any damages incurred as a result of his errors, negligent acts and/or omissions and for any losses or cost to repair or remedy construction as a result of his errors, omission and/or negligent acts, to the extent such error, omission or negligent act breaches the Professional Standard of care. The Consultant shall not be responsible for any consequential damages of the Sponsor or the Department. Neither the Consultant, nor the Sponsor, nor the Department shall be obligated for the other parties' negligence or for the negligence of others.

D. DRAWING OWNERSHIP

It is further mutually agreed by the parties hereto that reproducible copies of the drawings, computer disks, tracings, construction plans, specifications and maps prepared or obtained under the terms of the contract shall be delivered to and become the property of the Sponsor and basic survey notes and sketches, charts, computations and other data shall be made available upon request of the Sponsor. If any information is used by the Sponsor or another Consultant such use or reuse by the Sponsor or others shall be at the sole risk and without liability or legal exposure to the Consultant.

E. CONTRACT FOR OUTSIDE SERVICES

If any of the services outlined in Section I. are furnished by the Consultant by obtaining such services outside the Consultant's organization, the Consultant shall provide an executed contract between the person(s) or firm and the Consultant outlining the services to be performed and the charges for the same. Two (2) copies of the executed contract shall be submitted to the participating agencies for approval prior to the services being performed; all covenants and Special Conditions shall be included and binding on all subcontracts.

F. FORMERLY NOTICE TO PROCEED (See Section I.G.)

G. SUBLET AGREEMENT

Each party binds himself, his partners, successors, executors, administrators and assigns, to the other part of this agreement and to the partners, successors, executors, administrators and assigns for such other party at all covenants of this Agreement.

Except as above, neither the Sponsor nor the Consultant shall assign, sublet or transfer his interest in this agreement without the written consent of the other party hereto.

H. AGREEMENT EXPIRES

This agreement expires upon final approval and acceptance of the completed project(s) by the Sponsor (and/or Department as applicable), and after all final engineering charges have been paid to the Consultant as of the date of project close-out or after five years from the date of execution, whichever comes first. Payment liability by the State is as outlined above (see Section I.G., Notice to Proceed and Section II., Consultant Compensation).

I. EQUAL EMPLOYMENT OPPORTUNITY

(Reference: 49 CFR Part 21; FAA AC 150/5100-15A or latest revision)

The Consultant agrees to conduct the services in compliance with all the requirements imposed by or pursuant to Title VI of the Civil Rights Act of 1964, Part 21 of the Regulations of the Secretary of Transportation, and Executive Order No. 11246, "Equal Employment Opportunity," as amended.

During the performance of this contract, the Consultant, for itself, its assigns and successors in interest (hereinafter referred to as the "Consultant") agrees as follows:

1. Compliance with Regulations. The Consultant shall comply with the Regulations relative to nondiscrimination in federally assisted programs of the Department of Transportation (hereinafter, "DOT") Title 49, Code of Federal Regulations, Part 21, as they may be amended from time to time, (hereinafter referred to as the Regulations), which are herein incorporated by reference and made a part of this contract.
2. Nondiscrimination. The Consultant, with regard to the work performed by it during the contract, shall not discriminate on the grounds of race, color, or national origin in the selection and retention of subconsultants, including procurements of materials and leases of equipment. The Consultant shall not participate either directly or indirectly in the discrimination prohibited by Section 21.5 of the Regulations, including employment practices when the contract covers a program set forth in Appendix B of the Regulations.
3. Solicitations for Subcontracts Including Procurements of Materials and Equipment. In all solicitations either by competitive bidding or negotiation made by the Consultant for work to be performed under a subcontract, including procurements of materials or leases of equipment, each potential subconsultant or supplier shall be notified by the Consultant of the Consultant's obligations under this contract and the Regulations relative to nondiscrimination on the grounds of race, color, or national origin.
4. Information and Reports. The Consultant shall provide all information and reports required by the Regulations or directives issued pursuant thereto and shall permit access to its books, records, accounts, other sources of information and its facilities as may be determined by the sponsor or the Federal Aviation Administration (FAA) to be pertinent to ascertain compliance with such Regulations, orders, and instructions. Where any information required of a Consultant is in the exclusive possession of another who fails or refuses to furnish this information, the Consultant shall so certify to the sponsor or the FAA, as appropriate, and shall set forth what efforts it has made to obtain the information.
5. Sanctions for Noncompliance. In the event the Consultant's noncompliance with the nondiscrimination provisions of this contract, the sponsor shall impose such contract sanctions as may determine to be appropriate, including, but not limited to:
 - a. withholding of payments to the Consultant under the contract until the Consultant complies, and/or

- b. cancellation, termination, or suspension of the contract, in whole or in part.

Incorporation of Provisions. The Consultant shall include the provisions of paragraphs 1 through 5 (above) in every subcontract, including procurement of materials and leases of equipment, unless exempt by the Regulations or directives issued pursuant thereto. The Consultant shall take such action with respect to any subcontract or procurement as the sponsor may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided, however, that in the event an Consultant becomes involved in, or is threatened with, litigation with a subconsultant or supplier as a result of such direction, the Consultant may request the sponsor and/or Department to enter into such litigation to protect the interests of the sponsor and, in addition, the Consultant.

DISADVANTAGED BUSINESS ENTERPRISE (DBE) ASSURANCES

1. Policy. It is the policy of the Department of Transportation (DOT) that disadvantaged business enterprises as defined in 49 CFR Part 23 shall have the maximum opportunity to participate in the performance of contracts financed in whole or in part with Federal funds under this agreement. Consequently, the DBE requirements of 49 CFR Part 23 applies to this agreement.
2. DBE Obligation. The Consultant agrees to ensure that disadvantaged business enterprises as defined in 49 CFR Part 23 have the maximum opportunity to participate in the performance of contracts and subcontracts financed in whole or in part with Federal funds provided under this agreement. In this regard, all Consultants shall take all necessary and reasonable steps in accordance with 49 CFR Part 23 to ensure that disadvantaged business enterprises have the maximum opportunity to compete for and perform contracts. Consultants shall not discriminate on the basis of race, color, national origin, or sex in the award and performance of DOT-assisted contracts.

J. OPEN ACCESS TO DOCUMENTS

(Reference: 49 CFR Part 18.36(i); FAA Order 5100.38)
(Public Act 90-0572 Section 20-65; Public Act 87-991)

The Consultant shall maintain, for a minimum of 5 years after the completion of the contract, adequate books, records, and supporting documents to verify the amounts, recipients, and uses of all disbursements of funds passing in conjunction with the contract; the contract and all books, records, and supporting documents related to the contract shall be available for review and audit by the Auditor General; and the Consultant agrees to cooperate fully with any audit conducted by the Auditor General and to provide full access to all relevant materials. Failure to maintain the books, records, and supporting documents required by this Section shall establish a presumption in favor of the State for the recovery of any funds paid by the State under the contract for which adequate books, records, and supporting documentation are not available to support their purported disbursement.

K. CERTIFICATION OF CAPACITY TO CONTRACT

(Public Act 90-0572, Section 50-13)

It is unlawful for any person holding an elective office in this State, holding a seat in the General Assembly, or appointed to or employed in any of the offices of State government, or who is an officer or employee of the Illinois Building Authority or the Illinois Toll Highway Authority, or who is the wife, husband or minor child of any such person, to have or acquire any contract, or any direct pecuniary interest in any contract therein, whether for stationery, printing, paper or for any services, materials or supplies, which will be wholly or partially satisfied by the payment of funds appropriated by the General Assembly of the State of Illinois or in any contract of the Illinois Building Authority or the Illinois Toll Highway Authority. Payments made for a public aid

recipient are not payments pursuant to a contract with the State within the meaning of this Section.

It is unlawful for any firm, partnership, association or corporation in which any such person is entitled to receive more than 7 1/2% of the total distributable income to have or acquire any such contract or direct pecuniary interest therein.

It is unlawful for any firm, partnership, association or corporation in which any such person together with his spouse or minor children is entitled to receive more than 15%, in the aggregate, of the total distributable income to have or acquire any such contract or direct pecuniary interest therein.

Nothing in this Section invalidates the provisions of any bond or other security hereto or hereafter offered for sale or sold by or for the State of Illinois.

This Section does not affect the validity of any contract made between the State and an officer or employee of the State or member of the General Assembly, his spouse, minor child or any combination of such persons, if that contract was in existence before his election or employment as such officer, member, or employee. Such a contract is void, however, if it cannot be completed within 6 months after such officer, member, or employee takes office, or is employed.

This Section does not apply to (1) a contract for personal services as a teacher or school administrator between a member of the General Assembly or his spouse, or a State officer or employee or his or her spouse, and any school district, public community, college district, the University of Illinois, Southern Illinois University or any institution under the control of the Board of Governors of State Colleges and Universities or under the control of the Board of Regents or (2) a contract for personal service of a wholly ministerial character including but not limited to services as a laborer, clerk, typist, stenographer, page, bookkeeper, receptionist or telephone switchboard operator, made by a spouse or minor child of an elective or appointive State officer or employee or of a member of the General Assembly or (3) payments made to a member of the General Assembly, a State officer or employee, his or her spouse or minor child acting as a foster parent, homemaker, advocate, or volunteer for or in behalf of a child or family served by the Department of Children and Family Services.

Any person convicted of a violation of this Section shall be guilty of a business offense and shall be fined not less than \$1,000 nor more than \$5,000.

The appropriate Certification of Capacity to Contract will be executed in Section III.X., of this agreement.

L. THE CONSULTANT SELECTION

(Reference: 49 CFR Part 18; FAA AC 5100-14D or latest revision)
(30 ILCS 535; IDOT-Aeronautics Administrative Bulletin: 2010-02)

The City of DeKalb hereby certifies that it
(Sponsor)
has completed the prescribed qualifications based consultant selection procedures.

The firm of (Crawford, Murphy and Tilly, Inc.) of (Springfield, IL) has
(Consultant) (Location)
been selected to provide the engineering services required for the project on:

July 10, 2017
(Date)

A copy of the executed Retainer Agreement identifying the project covered by this Agreement is included as ATTACHMENT U.

M. AMENDMENTS TO THE AGREEMENT

All effort recorded to document a claim for additional compensation must be delineated separately from the original scope of services with personnel, classifications, dates worked, rates, hours and services thoroughly detailed and clearly identified.

The Department shall be notified of potential amendment requests at the earliest possible opportunity once it has been determined that any of the following three circumstances may exist. Any amendments to the Agreement which increases the fee or the time of performance must contain one of the following written determinations (with support documentation) depending upon the circumstances of the change.

1. The undersigned determine that the circumstances which necessitate this change were not reasonably foreseeable at the time the contract was signed.
2. The undersigned determine that the circumstances which necessitate this change were not within the contemplation of the contract as signed.
3. The undersigned determine that this change is in the best interest of the state of Illinois and is authorized by law.

Date

Sign Name

Print Name

Title

Any professional services effort performed beyond the not-to-exceed limits expressed in Section ii. Consultant Compensation, and for which a future amendment will be sought, will be performed under all Agreement provisions as the original contracted work. The dollar value of such effort is not considered approved for payment until review and approval by the Department.

N. CERTIFICATION OF CONSULTANT

(Public Act 90-0572 Section 50-5)

I hereby certify that I am the _____ Vice President _____ (title) and duly

authorized representative of the firm _____ Crawford, Murphy & Tilly, Inc. _____

whose address is _____ 2750 West Washington Street, Springfield, IL 62702 _____

and that neither I nor the above firm I here represent has:

1. employed or retained for a commission, percentage, brokerage, contingent fee, or other consideration, any firm or person (other than a bona fide employee working solely for me or the above Consultant) to solicit or secure this Agreement,
2. agreed, as an express or implied condition for obtaining this contract, to employ or retain the services of any firm or person in connection with carrying out the Agreement, or
3. paid or agreed to pay to any firm, organization, or person (other than a bona fide employee working solely for me or the above Consultant) any fee, contribution, donation, or consideration of any kind for, or in connection with, procuring or carrying out the contract; except as here expressly stated (if any):

The firm certifies by execution:

1. it has not been convicted of bribery or attempting to bribe an officer or employee of the State of Illinois, nor has the firm made an admission of guilt of such conduct which is a matter of record, nor has an official, agent, or employee of the firm committed bribery or attempted bribery on behalf of the firm and pursuant to the direction or authorization of a responsible official of the firm, nor has the firm been barred from being awarded a contract or subcontract.
2. it has not been barred from contracting with a unit of state or local government as a result of a violation of the Criminal Code of 1961.

I acknowledge that this certification is to be furnished to the Federal Aviation Administration of the United States' Department of Transportation in connection with this contract involving participation of Airport Improvement Program (AIP) funds and is subject to applicable state and Federal laws, both criminal and civil.

July 12, 2021
Date


Sign Name

Douglas J. Klonowski, PE
Print Name

Vice President
Title

O. FEDERAL TAXPAYER IDENTIFICATION NUMBER

The following statement is made under penalty of perjury:

"The Firm's correct Federal Taxpayer Identification Number is 37-0844662
(I am) (This firm is) doing business as a (please check one):

Individual Partnership Corporation

P. DISADVANTAGED BUSINESS ENTERPRISE (DBE) PARTICIPATION

(Reference: 49 CFR Part 26)

Contract Assurance (§26.13) - The Consultant or subconsultant shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The Consultant shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of DOT assisted contracts. Failure by the Consultant to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy, as the recipient deems appropriate.

In keeping with the DBE plan adopted by the Sponsor, the Consultant shall take all necessary and reasonable steps to attain DBE participation in this contract.

The work for each subconsultant should be listed separately. If the subconsultant is being utilized to meet the project DBE goal, they must be prequalified in that category and certified as a DBE in that category. Please indicate that they are certified in that category. The certification list is available on the Department's website on the "Doing Business" menu under Small Business Enterprises and IL UCP directory <http://www.dot.il.gov/ucp/ucp.html#DBE> Directory. The percent of work is computed based on the individual subconsultant's work effort in each category

Firm Name: _____ **N/A** _____

Subcontract Amount (\$): _____ **N/A** _____

Prequalification Category	% of Work	DBE Certification
_____	_____	_____
_____	_____	_____
_____	_____	_____

If more than one subconsultant is being used, attach additional sheets.

NOTE: All final payment requests shall include a completed ATTACHMENT O - DBE Final Documentation or the complete information on the Consultant's format.

Q. DISCRIMINATION

(Reference: 49 CFR Part 21; FAA AC 150/5100-15A or latest revision)
(Executive Order 11246 of September 24, 1965; 41 CFR Part 60)

The Consultant agrees not to commit unlawful discrimination in employment in Illinois and further agrees to take affirmative action to ensure that no unlawful discrimination is committed.

R. DUES/FEEES TO CLUBS WHICH DISCRIMINATE

(775 ILCS 25/2 Source: P.A. 85-909)

The Consultant of the business entity certifies that it is not prohibited from selling goods or services to the State of Illinois because it pays dues or fees on behalf of its employees or agent or subsidizes or otherwise reimburses them for payment of their dues or fees to any club which unlawfully discriminates.

S. CONFLICT OF INTEREST

(Public Act 90-0572 Section 50-13)

The Consultant agrees to comply with the provision of the Illinois Public Act prohibiting conflict of interest and all the terms, conditions and provisions of those Sections apply to this contract and are made a part of this contract the same as though they were incorporated and included herein.

T. FELONY CONVICTION

(Public Act 90-5072 Section 50-10)

The Consultant certifies that if he/she or the business entity has been convicted of a felony, at least five years has passed since the completion of the sentence as of the contract date

U. ILLINOIS HUMAN RIGHTS NUMBER

The Consultant must have an Illinois Department of Human Rights prequalification number, or have an application on file with the Illinois Department of Human Rights office at the State of Illinois Center, Suite 10-100, 100 West Randolph, Chicago, Illinois 60601 (refer to Department of Human Rights form).

(#IDHR PC-1/IL 442-0010). IDHR # 93788-00

V. EDUCATIONAL LOAN DEFAULT
(5 ILCS 385).

The Consultant certifies that, if this agreement is with an individual or individuals, that he/she is not in default on an educational loan.

W. DRUG FREE WORKPLACE
(30 ILCS 580).

If the Consultant has 25 or more employees, the following certification shall apply and, by signing this document, the Consultant certifies as follows:

1. The Consultant certifies that he will provide a drug free workplace in compliance with the Drug Free Workplace Act ("Act"). Specifically, Consultant certifies he will do the following:
 - a. Publish a statement:
 - i. Notifying employees that the unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance, including cannabis, is prohibited in the Consultants workplace.
 - ii. Specifying the actions that will be taken against employees for violations of such prohibition.
 - iii. Notifying the employee that, as a condition of employment on this agreement, the employee will:
 - 1) abide by the terms of the statement; and
 - 2) notify the employer of any criminal drug statute conviction for a violation occurring in the workplace no later than 5 days after such conviction.
 - b. Establish a drug free awareness program to inform employees about:
 - i. the dangers of drug abuse in the workplace;
 - ii. the Consultant policy of maintaining a drug free workplace;
 - iii. any available drug counseling, rehabilitation, and employee assistance programs; and
 - iv. the penalties that may be imposed upon employees for drug violations.
 - c. Give a copy of the statement described above to each employee engaged in the performance of the contract and post the statement in a prominent place in the workplace.
 - d. Notify the State within 10 days after receiving notice under part (a)(3)(B) above from an employee or otherwise receiving actual notice of such conviction.
 - e. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program by, any employee who is so convicted, as required by §5 of the Act.
 - f. Assist employees in selecting a course of action in the event drug counseling, treatment, and rehabilitation is required and indicate that a trained referral team is in place.
 - g. Make a good faith effort to continue to maintain a drug free workplace through implementation of §3 of the Act.

If an individual, the Consultant further certifies that he will not engage in the unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance in the performance of the agreement.

X. CAPACITY TO CONTRACT
(Public Act 90-0572)

The Consultant certifies that the Corporation's certificate of Authority to do business in Illinois, is in good standing with the Secretary of State's Office.

CERTIFICATION OF CAPACITY TO CONTRACT

Public Act 90-0572 prohibits certain persons and entities from having or acquiring any contract with the State of Illinois and from having or acquiring any direct pecuniary interests in any contract with the State of Illinois, whether for materials, services, supplies, printing or stationery. This prohibition does not extend to certain contracts for personal services of a ministerial nature as provided for in the Act.

(Corporation)

The undersigned, being a duly authorized representatives of Crawford, Murphy and Tilly, Inc., a corporation, hereby certify that they have read Public Act 90-0572 Section 50-13 and that they have checked the records of the corporation and that no person who is entitled to receive individually more than 7 1/2% of the total distributable income of the corporation, or together with their spouse or minor child more than 15% of the total distributable income of the corporation, is (i) an elected State official, a member of the General Assembly, an appointed State officer, a State employee; (ii) an officer or employee of the Illinois Toll Highway Authority or of the Illinois Building Authority; or (iii) a spouse or a minor child of any such enumerated person.

12th day of July, AD, 2021

Crawford, Murphy & Tilly, Inc.
Corporation

BY  _____

BY  _____

Douglas J. Klonowski, PE, Vice President
Printed Name & Title

Brian R. Welker, PE, Sr Vice President & COO
Printed Name & Title

CERTIFICATION OF CAPACITY TO CONTRACT

Public Act 90-0572 prohibits certain persons and entities from having or acquiring any contract with the State of Illinois and from having or acquiring any direct pecuniary interests in any contract with the State of Illinois, whether for materials, services, supplies, printing or stationery. This prohibition does not extend to certain contracts for personal services of a ministerial nature as provided for in the Act.

(Partnerships and Non-Corporate Firms and Associations)

The undersigned, being each and every one of the partners/members/associates/(other) of

N/A

_____ hereby certify on behalf of themselves individually, that they have read Public Act 90-0572 Section 50-13 and that (i) they are not an elected State official, a member of the General Assembly, an appointed State officer, a State employee; an officer or employee of the Illinois Toll Highway Authority or of the Illinois Building Authority; nor a spouse or minor child of any such enumerated person; or (ii) that they are such an enumerated person but that they are not entitled to receive individually more than 7 1/2% of the total distributable income of the partnership/firm/association, or together with their spouse or a minor child more than 15% of the total distributable income of the partnership/firm/association.

_____ day of _____, AD, 20_____

BY _____

BY _____

Printed Name & Title

Printed Name & Title

d/b/a _____
(Name)

Y. CERTIFICATION REGARDING LOBBYING

(Reference: 49 CFR Part 20, Appendix A)

Certification for Contracts, Grants, Loans and Cooperative Agreements.

The Consultant certifies compliance with Section 319 of Public Law 101-102 and to the best of his or her knowledge and belief, that:

1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an Officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying", in accordance with its instructions.
3. The undersigned shall require that the language of this certification be included in the award documents for all sub-awards at all tiers (including subcontracts, sub-grants, and contracts under grants, loans, and cooperative agreements) and that all sub-recipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, US Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

Z. INTERNATIONAL BOYCOTT

(Applicable to contracts in excess of \$10,000):

The Consultant certifies that neither it nor any substantially-owned affiliated company is participating or shall participate in an international boycott in violation of the provisions of the U.S. Export Administration Act of 1979 or the regulations of the U.S. Department of Commerce promulgated under that Act. The Consultant makes the certification set forth in Section 5 of the International Anti-Boycott Certification Act.

AA. NON-APPROPRIATION CLAUSE

Obligations of the State will cease immediately without penalty or further payment being required in any fiscal year the Illinois General Assembly fails to appropriate or otherwise make available sufficient funds for payment of this Agreement.

BB. DEBT CERTIFICATION

The Consultant certifies that it, or any affiliate, is not barred from being awarded a contract under 30 ILCS 500/50-11 and 50-12. The Consultant further acknowledges that the contracting State agency may declare the contract void if the preceding certification is false or if the contractor, or any affiliate, is determined to be delinquent in the payment of any debt to the State during the term of the contract.

CC. GOODS FROM CHILD LABOR ACT

The Consultant certifies in accordance with Public Act 94-0264 that no foreign made equipment, materials, or supplies furnished to the State under the contract have been produced in whole or in part by the labor of any child under the age of 12.

DD. QUALIFICATION BASED SELECTION ACT

(Reference: 49 CFR Part 18.36; FAA Order 5100.38; FAA AC 150/5100-14 (latest))

The parties hereby certify that there was compliance with the provisions of the State of Illinois' Architectural, Engineering and Land Surveying Qualifications Based Selection Act, Chapter 30 ILCS 535 in the procurement of the services covered by this Agreement.

EE. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION

(Reference: 49 CFR Part 29; FAA Order 5100.38)

The Consultant certifies, by submission of this proposal or acceptance of this contract, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency. It further agrees by submitting this Agreement that it will include this clause without modification in all lower tier transactions, solicitations, proposals, contracts, and subcontracts. Where the Consultant or any lower tier participant is unable to certify to this statement, it shall attach an explanation to this solicitation/proposal.

FF. RIGHTS TO INVENTIONS

(Reference: 49 CFR Part 18.36(i)(8); FAA Order 5100.38)

All rights to inventions and materials generated under this contract are subject to regulations issued by the FAA and the Sponsor of the Federal grant under which this contract is executed.

GG. TRADE RESTRICTION CLAUSE

(Reference: 49 CFR Part 30.13; FAA Order 5100.38)

The Consultant or subconsultant, by submission of an offer and/or execution of a contract, certifies that it:

1. is not owned or controlled by one or more citizens of a foreign country included in the list of countries that discriminate against U.S. firms published by the Office of the United States Trade Representative (USTR);
2. has not knowingly entered into any contract or subcontract for this project with a person that is a citizen or national of a foreign country on said list, or is owned or controlled directly or indirectly by one or more citizens or nationals of a foreign country on said list;
3. has not procured any product nor subcontracted for the supply of any product for use on the project that is produced in a foreign country on said list.

Unless the restrictions of this clause are waived by the Secretary of Transportation in accordance with 49 CFR 30.17, no contract shall be awarded to a Consultant or subconsultant who is unable to certify to the above. If the Consultant knowingly procures or subcontracts for the supply of any product or service of a foreign country on said list for use on the project, the Federal Aviation Administration may direct through the Sponsor cancellation of the contract at no cost to the Government.

Further, the Consultant agrees that, if awarded a contract resulting from this solicitation, it will incorporate this provision for certification without modification in each contract and in all lower

tier subcontracts. The Consultant may rely on the certification of a prospective subconsultant unless it has knowledge that the certification is erroneous.

The Consultant shall provide immediate written notice to the sponsor if the Consultant learns that its certification or that of a subconsultant was erroneous when submitted or has become erroneous by reason of changed circumstances. The subconsultant agrees to provide written notice to the contractor if at any time it learns that its certification was erroneous by reason of changed circumstances.

This certification is a material representation of fact upon which reliance was placed when making the award. If it is later determined that the Consultant or subconsultant knowingly rendered an erroneous certification, the Federal Aviation Administration may direct through the Sponsor cancellation of the contract or subcontract for default at no cost to the Government.

Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render, in good faith, the certification required by this provision. The knowledge and information of a contractor is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

This certification concerns a matter within the jurisdiction of an agency of the United States of America and the making of a false, fictitious, or fraudulent certification may render the maker subject to prosecution under Title 18, United States Code, Section 1001.

HH. BREACH OF CONTRACT TERMS

(Reference: 49 CFR Part 18.36)

Any violation or breach of terms of this contract on the part of the Consultant or their subconsultants may result in the suspension or termination of this contract or such other action that may be necessary to enforce the rights of the parties of this agreement. The duties and obligations imposed by the Contract Documents and the rights and remedies available thereunder shall be in addition to and not a limitation of any duties, obligations, rights and remedies otherwise imposed or available by law.

Policies and procedures for procurement of professional services are established in Federal Regulation Title 49 CFR Part 18, Uniform Administrative Requirements for Grants and Cooperative Agreements. The Airport and Airway Improvement Act (AAIA) of 1982, as amended, serves as the enabling legislation. The parties agree that these policies and procedures have been followed.

IN WITNESS WHEREOF, the parties hereto have affixed their hand and seals at

_____ **DeKalb** _____, Illinois, this **July 12** _____, **2021**.
(city) (date) (year)

ATTEST:

(SEAL)



City of DeKalb
(Sponsor Name)

36-6005843
(Federal Employee's Identification Number)

BY

Cohen Barnes
Cohen Barnes - Mayor
Printed Name & Title

BY

Printed Name & Title

ATTEST:

(SEAL)



CRAWFORD, MURPHY & TILLY, INC.
(Consultant Name)

37-0844662
(Federal Employee's Identification Number)

BY

Douglas J. Klonowski PE
Douglas J. Klonowski, PE Vice President
Printed Name & Title

BY

Brian R. Welker PE
Brian R. Welker, PE, Sr. Vice President & COO
Printed Name & Title

LIST OF ATTACHMENTS

<u>ATTACHMENT A / A1</u> –	PRELIMINARY ASSESSMENT AND SCHEMATIC DESIGN PHASE SERVICES <u>ESTIMATE OF COSTS / SALARY EXPENSES</u>
<u>ATTACHMENT B / B1</u> –	DESIGN PHASE SERVICES <u>ESTIMATE OF COSTS / SALARY EXPENSES</u>
<u>ATTACHMENT C / C1</u> –	CONSTRUCTION PHASE SERVICES <u>ESTIMATE OF COSTS / SALARY EXPENSES</u>
<u>ATTACHMENT D / D1</u> –	PLANNING AND SPECIAL SERVICES <u>ESTIMATE OF COSTS / SALARY EXPENSES</u>
<u>ATTACHMENT E</u> –	ENGINEERING REPORT (General Guidance)
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<u>ATTACHMENT K</u> –	TESTING RATES & COST SUMMARY
<u>ATTACHMENT L</u> –	SUMMARY OF PAYROLL BURDEN AND FRINGE COSTS
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<u>ATTACHMENT O</u> –	DBE FINAL DOCUMENTATION
<u>ATTACHMENT P</u> –	PROJECT SKETCH
<u>ATTACHMENT Q</u> –	PROJECT LETTING SCHEDULE
<u>ATTACHMENT R</u> –	OP&P PROGRAM LETTER
<u>ATTACHMENT S</u> –	CURRENT IDOT PROVISIONAL PAYROLL BURDEN / FRINGE EXPENSE AND GENERAL / ADMINISTRATIVE EXPENSE RATE LETTER
<u>ATTACHMENT T</u> –	CONSULTANT’S PRELIMINARY ESTIMATE OF PROBABLE CONSTRUCTION COSTS
<u>ATTACHMENT U</u> –	RETAINER AGREEMENT

ATTACHMENT A

PRELIMINARY ASSESSMENT AND SCHEMATIC DESIGN PHASE SERVICES

ESTIMATE OF COSTS

<u>Category</u>	<u>Amount (\$)</u>
1. <u>Direct Salary Costs</u>	_____ (ATTACHMENT A-1)
2. <u>Labor and General and Administrative Overhead</u> ¹	_____
3. <u>Direct Nonsalary Expenses</u>	
Lodging ^{2,3}	_____
Meals/Per Diem ^{2,3}	_____
Transportation ²	_____
Materials & Supplies	_____
Printing	_____
CADD time ⁴	_____
Other Costs (excluding outside services)	_____
4. <u>Fixed Payment</u> ⁵	_____
5. <u>Outside Services</u>	_____
Lump Sum	
Total Amount Not to Exceed	\$ _____

Estimated cost of total professional design phase services from TIP: \$ _____

NOTES:

- 1/ A letter from IDOT with approval or provisional payroll burden / fringe and general / administrative expense rates must be attached (ATTACHMENT S) for verification of rates.
- 2/ Current approved rates established by State of Illinois - Governors Travel Control Board.
- 3/ Shall not be used in calculation of fixed payment amount.
- 4/ Maximum CADD rate shall be \$15.00/hour.
- 5/ Fixed Payment (Profit) = (14.5%) x [Direct Salary Costs + (OH&B) x (Direct Salary Costs) + Transportation + Materials & Supplies + Printing + CADD time + Other Costs (excluding outside services)].

ATTACHMENT A-1

PRELIMINARY ASSESSMENT AND SCHEMATIC DESIGN PHASE SERVICES

ESTIMATE OF SALARY EXPENSES

Classification*	Hours	\$Rate/Hour	Cost (\$)
Principal	_____	_____	_____
Vice Principal	_____	_____	_____
Project Manager	_____	_____	_____
Senior Project Engineer	_____	_____	_____
Senior Project Architect	_____	_____	_____
Project Engineer	_____	_____	_____
Project Architect	_____	_____	_____
Senior Engineer	_____	_____	_____
Senior Architect	_____	_____	_____
Engineer	_____	_____	_____
Planner	_____	_____	_____
Registered Land Surveyor	_____	_____	_____
Land Surveyor	_____	_____	_____
Senior Engineering Technician	_____	_____	_____
Engineering Technician	_____	_____	_____
Engineering Assistant	_____	_____	_____
CADD/Draftsman/Technician	_____	_____	_____
Clerical	_____	_____	_____
Total	_____	_____	_____
	(hours)	(average)	\$ (total direct salary costs) (ATTACHMENT A)

*Classifications may be adjusted as per Consultant's work force.

ATTACHMENT B

DESIGN PHASE SERVICES

DeKalb Taylor Municipal Airport

Mill and Overlay Taxiway C

Attachment B

Preliminary Design and Design Phase
ESTIMATE OF COSTS

<u>CATEGORY</u>		<u>AMOUNT</u>
1 <u>Direct Salary Costs</u>		\$26,313.08
2 <u>Labor and General and Administrative Overhead</u> ¹	52.90%	\$13,919.62
3 <u>Direct Nonsalary Expenses</u>	115.95%	\$30,510.02
Lodging ^{2,3}		\$ -
Meals/Per Diem ^{2,3}		\$ -
Transportation ²		\$ 450.00
Materials & Supplies		\$ -
Printing		\$ 420.00
CADD time ⁴		\$ -
Other Costs (Excluding outside Services)		\$ 80.00
4 <u>Fixed Payment</u> ⁵		\$10,400.00
5 <u>Outside Services/Subconsultants</u>		\$7,100.00
Geotechnical Investigation	\$7,100.00	
	Cost Plus Fixed Payment	\$89,192.72
	Total Amount Not to Exceed	
Or	Use =	\$89,200.00

Estimated Construction Cost: \$ 1,140,000.00 (ATTACHMENT T)

Attach a sketch labeled ATTACHMENT P in sufficient detail to clearly delineate the proposed areas of work.

NOTES:

- 1/ A letter from IDOT with approval or provisional payroll burden / fringe and general / administrative expense rates must be attached (ATTACHMENT S) for verification of rates.
- 2/ Current approved rates established by State of Illinois - Governors Travel Control Board.
- 3/ Shall not be used in calculation of fixed payment amount.
- 4/ Maximum CADD rate shall be \$15.00/hour.
- 5/ Fixed Payment (Profit) = (14.5%) x [Direct Salary Costs + (OH&B) x (Direct Salary Costs) + Transportation + Materials & Supplies + Printing + CADD time + Other Costs (excluding outside services)].

ATTACHMENT B-1

DESIGN PHASE SERVICES

ESTIMATE OF SALARY EXPENSES

<u>CLASSIFICATION</u>	<u>(HOURS)</u>	<u>WAGE</u>	<u>EXPENSE</u>
PRINCIPAL	0	\$78.00	\$0.00
PROJECT ENGINEER II	81	\$66.95	\$5,422.95
PROJECT ARCHITECT II	0	\$55.15	\$0.00
PROJECT MANAGER II	0	\$59.40	\$0.00
PROJECT ENVIRONMENTAL SCIENTIST II	0	\$63.87	\$0.00
PROJECT STRUCTURAL ENGINEER II	0	\$76.47	\$0.00
PROJECT ENGINEER I	89	\$52.01	\$4,628.89
PROJECT MANAGER I	0	\$52.39	\$0.00
PROJECT ENVIRONMENTAL SCIENTIST I	0	\$54.67	\$0.00
PROJECT STRUCTURAL ENGINEER I	0	\$51.66	\$0.00
SENIOR ENGINEER I	138	\$38.62	\$5,329.56
SENIOR ARCHITECT I	0	\$44.96	\$0.00
TECHNICAL MANAGER II	0	\$47.46	\$0.00
SENIOR PLANNER I	0	\$40.83	\$0.00
GIS SPECIALIST	0	\$36.87	\$0.00
ENVIRONMENTAL SCIENTIST III	0	\$40.93	\$0.00
SENIOR STRUCTURAL ENGINEER II	0	\$50.87	\$0.00
SENIOR STRUCTURAL ENGINEER I	0	\$39.17	\$0.00
ENGINEER I	102	\$30.57	\$3,118.14
ARCHITECT I	0	\$27.87	\$0.00
ENVIRONMENTAL SCIENTIST II	0	\$33.78	\$0.00
STRUCTURAL ENGINEER I	0	\$30.22	\$0.00
PLANNER I	0	\$28.97	\$0.00
ENVIRONMENTAL SCIENTIST I	0	\$24.90	\$0.00
TECHNICAL MANAGER I	0	\$29.91	\$0.00
LAND SURVEYOR	66	\$42.88	\$2,830.08
SENIOR TECHNICIAN II	0	\$47.48	\$0.00
SENIOR TECHNICIAN I	134	\$37.19	\$4,983.46
TECHNICIAN II	0	\$31.13	\$0.00
TECHNICIAN I	0	\$26.27	\$0.00
PROJECT ADMINISTRATIVE ASSISTANT	0	\$25.58	\$0.00
ADMINISTRATIVE/ACCOUNTING ASSISTANT	0	\$20.40	\$0.00
		<i>AVERAGE</i>	
TOTAL	610	\$43.14	\$26,313.08

*Classifications may be adjusted as per Consultant's work force.

ATTACHMENT B-2

Mill and Overlay Taxiway C

Attachment B-2

Preliminary Design and Design Phase
Estimated Cost Breakdown Items 4, 5, 6 & 7

Item

4 MATERIALS AND SUPPLIES

Surveying Supplies (paint, lathe, stakes, etc)			\$	-	
Drafting Media			\$	-	
Misc. Equipment and Direct Project Supplies			\$	-	
		Sub-Total		\$	-

5 TRAVEL

Travel Reimbursement	750	miles@	\$ 0.560	\$ 420.00	
Vehicle Days		days@	\$ 65.00	\$ -	
Other Subsistence & Tolls				\$ 30.00	
		Sub-Total		\$	450.00
Lodging (Not in Fixed Fee comp.)	0	days @	\$ 100.00	\$ -	\$ -

6 PRINTING

Full Size Prints	150	sheets@	\$ 2.40	\$ 360.00	
Photo-copies	300	sheets@	\$ 0.20	\$ 60.00	
		Sub-Total		\$	420.00

7 OTHER COSTS (EXCLUDING OUTSIDE SERVICES)

Photos/Developing				\$ -	
Direct Project Shipping Expense			8 \$ 10.00	\$ 80.00	
Unassigned Misc Project Direct Expense		Misc.		\$ -	
		Sub-Total		\$	80.00
				\$	950.00

ATTACHMENT B-3
(Sheet 1 of 3)

DeKalb Taylor Municipal Airport

Mill and Overlay Taxiway C

Attachment B-3

Cost Estimate of Consultant Services (By Task)

Phase #	Element of Work	Hours	Ave Hourly Rate	Total Direct Labor	% of Total Labor	Principal	Project Engineer II	Project Manager II	Project Engineer I	Project Manager I	Senior Engineer I	Engineer I	Land Surveyor	Senior Technician II	Senior Technician I	Project Administrative Assistant
Design Phase (Per Section I.B. of Agreement)																
1000	Preliminary Assessment and Schematic Design	251	\$41.49	\$10,414.36	39.58%	0	21	0	13	0	41	26	66	0	84	0
1100	Preliminary Work Items	36	\$44.62	\$1,606.36	6.10%	0	10	0	0	0	16	8	0	0	2	0
1110	1110 Scope Refinement and Project Definition	6	\$57.51	\$345.04	1.31%	0	4	0	0	0	2	0	0	0	0	0
	1120 Site Visit/Review by Design Team	12	\$34.60	\$415.14	1.58%	0	0	0	0	0	6	6	0	0	0	0
	1130 Pre-Design Meeting and Preparation	14	\$50.56	\$707.80	2.69%	0	6	0	0	0	6	0	0	0	2	0
	1140 Review Record Drawings and Available Data	4	\$34.60	\$138.38	0.53%	0	0	0	0	0	2	2	0	0	0	0
1200	Surveys/Field Investigations/Verify Existing Cond.	136	\$39.95	\$5,433.38	20.65%	0	0	0	0	0	0	0	66	0	70	0
	1210 Topo/Cross-Section Survey Field Work	132	\$40.04	\$5,284.62	20.08%	0	0	0	0	0	0	0	66	0	66	0
	1220 Office Download of Field Data/Reduce Surveys & Prepare Models	4	\$37.19	\$148.76	0.57%	0	0	0	0	0	0	0	0	0	4	0
1300	Prel. Plan Concept Develop (35% Design Report)	71	\$43.04	\$3,056.14	11.61%	0	10	0	12	0	23	14	0	0	12	0
	1310 General Scope Refinement Development/Overall Limits	10	\$49.64	\$496.42	1.89%	0	2	0	4	0	4	0	0	0	0	0
	1311 Pavement History Research and Review	2	\$30.57	\$61.14	0.23%	0	0	0	0	0	0	2	0	0	0	0
	1312 Sequence of Construction Concepts/Layouts	7	\$46.08	\$322.59	1.23%	0	1	0	2	0	2	0	0	0	2	0
	1313 Existing Conditions Validation/Review	11	\$43.11	\$474.21	1.80%	0	1	0	2	0	4	0	0	0	4	0
	1314 Preliminary Typical Sections/Rehab Details	3	\$33.25	\$99.76	0.38%	0	0	0	0	0	1	2	0	0	0	0
	1315 Prelim. Geometric Plan	6	\$45.38	\$272.28	1.03%	0	2	0	0	0	2	2	0	0	0	0
	1316 Prelim. Pavement Design and Matl. Selection Detail/Justifications	6	\$33.25	\$199.52	0.76%	0	0	0	0	0	2	4	0	0	0	0
	1317 Prelim. Profile, Grading Plans and Concept	8	\$48.69	\$389.54	1.48%	0	2	0	2	0	2	0	0	0	2	0
	1318 Prelim. Drainage Concept, Impacts and Features and Prelim. Pipe Sizing and Route Plans	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0
	1319 Prelim. Lighting/Electrical Design Concept/Scope.	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0
	1320 Miscellaneous Design Features: Fencing, Turfing and Marking Design & Layout	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0
	1321 Utility Impacts, Delineations and Relocations Design Considerations.	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0
	1322 Review and Evaluations of FAA Mods to Standards and Special Considerations	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0
	1323 Review/Discuss Local Code Conditions/Requirements and Impacts to the Project	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0
	1324 Exhibits Preparation & Development in Support of Preliminary Design Report	12	\$37.69	\$452.30	1.72%	0	0	0	2	0	2	4	0	0	4	0
	1325 Agency Coordination/Soils Investigation & Coord. & Discussion of Soils Impact on Design and Construction	6	\$48.06	\$288.38	1.10%	0	2	0	0	0	4	0	0	0	0	0
1400	Preliminary Identification & List of Expected Specifications	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0
1500	Prel. Opinion of Probable Cost, Quantity Evaluations, Computations and Funding Review; Preliminary Estimate of Time	8	\$39.81	\$318.48	1.21%	0	1	0	1	0	2	4	0	0	0	0

ATTACHMENT B-3
(Sheet 2 of 3)

DeKalb Taylor Municipal Airport

Mill and Overlay Taxiway C

Attachment B-3

Cost Estimate of Consultant Services (By Task)

Phase #	Element of Work	Hours	Ave Hourly Rate	Total Direct Labor	% of Total Labor	Principal	Project Engineer II	Project Manager II	Project Engineer I	Project Manager I	Senior Engineer I	Engineer I	Land Surveyor	Senior Technician II	Senior Technician I	Project Administrative Assistant
Design Phase (Per Section I.B. of Agreement)																
2000	Plan and Document Development - Detailed Design (35% to 80% Level)	277	\$42.41	\$11,748.26	44.65%	0	32	-	57	-	79	70	-	-	39	-
2100	Review and Resolve Prelim Design Issues From Design Report Stage	8	\$52.79	\$422.28	1.60%	0	4	0	0	0	4	0	0	0	0	0
	2110 Review 35% Design Report with Owner/IDA/FAA - conference call if needed	4	\$52.79	\$211.14	0.80%	0	2	0	0	0	2	0	0	0	0	0
	2120 Resolve Outstanding Issues from 35% Report Review	4	\$52.79	\$211.14	0.80%	0	2	0	0	0	2	0	0	0	0	0
2200	Plan Set/Drawing Development	234	\$41.60	\$9,734.80	37.00%	0	22	0	47	0	64	62	0	0	39	0
	2210 Cover/Summary of Quantities/General Items	6	\$42.61	\$255.64	0.97%	0	0	0	2	0	2	0	0	0	2	0
	2211 Sequence of Construction/Phasing Plan	16	\$43.32	\$693.08	2.63%	0	2	0	4	0	4	4	0	0	2	0
	2212 Existing Conditions/Prop Removal/Pavement Rehab. Details/SWPPP	46	\$40.43	\$1,859.58	7.07%	0	4	0	8	0	12	16	0	0	6	0
	2213 Utility Plan and Relocation Plan (As necessary)	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0
	2214 Proposed Improvement Plan and Geometry Plan	18	\$42.64	\$767.46	2.92%	0	2	0	4	0	4	4	0	0	4	0
	2215 Typical Sections/Cross Section Develop.	32	\$43.82	\$1,402.26	5.33%	0	4	0	8	0	10	6	0	0	4	0
	2216 Pavement Design/Geometry/Paved Shldr. Mods	4	\$41.61	\$166.44	0.63%	0	0	0	1	0	2	0	0	0	1	0
	2217 Plan and Profile Plan Sheets	50	\$41.62	\$2,081.10	7.91%	0	6	0	8	0	12	14	0	0	10	0
	2218 Drainage and Edge Drain Design	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0
	2219 Underdrain Plan and Details	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0
	2220 Grading and Intersection Staking Plan	36	\$40.77	\$1,467.88	5.58%	0	2	0	8	0	12	10	0	0	4	0
	2221 PCC Jointing Plan and Details/Transition Details	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0
	2222 Edge Lighting/Apron Lighting Design/Electrical Design/Vault Improvements	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0
	2223 Earthwork Distribution and Cross Sections	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0
	2224 Restoration and Landscaping Plan	11	\$40.44	\$444.87	1.69%	0	1	0	2	0	2	4	0	0	2	0
	2225 Misc Design Elements (e.g. Marking, Fencing, etc.)	15	\$39.77	\$596.49	2.27%	0	1	0	2	0	4	4	0	0	4	0
2300	Development of Technical Specifications	12	\$52.53	\$630.32	2.40%	0	4	0	4	0	4	0	0	0	0	0
2400	Quantity Computations, Development of Opinion of Prob. Cost and Estimate of Contract Time	23	\$41.78	\$960.86	3.65%	0	2	0	6	0	7	6	0	0	0	0
	2410 Quantity Computations	10	\$38.08	\$380.78	1.45%	0	0	0	2	0	4	4	0	0	0	0
	2420 Cost Estimate Preparation and Development	6	\$45.12	\$270.73	1.03%	0	1	0	2	0	1	2	0	0	0	0
	2430 Estimate of Time Preparation and Development	4	\$47.04	\$188.15	0.72%	0	1	0	1	0	1	1	0	0	0	0
	2440 Prepare DRP Goals and Estimate	3	\$40.40	\$121.20	0.46%	0	0	0	1	0	1	1	0	0	0	0

ATTACHMENT B-3
(Sheet 3 of 3)

DeKalb Taylor Municipal Airport

Mill and Overlay Taxiway C

Attachment B-3

Cost Estimate of Consultant Services (By Task)

Phase #	Element of Work	Hours	Ave Hourly Rate	Total Direct Labor	% of Total Labor	Principal	Project Engineer II	Project Manager II	Project Engineer I	Project Manager I	Senior Engineer I	Engineer I	Land Surveyor	Senior Technician II	Senior Technician I	Project Administrative Assistant
Design Phase (Per Section I.B. of Agreement)																
3000	Plan and Document Development - Final Design (80% - 100%)	50	\$44.58	\$2,229.06	8.47%	0	9	0	8	0	16	6	0	0	11	0
3100	Review and Resolve Prelim Design Issues From	6	\$52.53	\$315.16	1.20%	0	2	0	2	0	2	0	0	0	0	0
	3110 Review of 80% Design Documents with IDA/FAA	3	\$52.53	\$157.58	0.60%	0	1	0	1	0	1	0	0	0	0	0
	3120 Comment Resolution From Agency 80% Review	3	\$52.53	\$157.58	0.60%	0	1	0	1	0	1	0	0	0	0	0
3200	Development of Final Issued for Bid Set of Plans	34	\$43.74	\$1,487.14	5.65%	0	5	0	6	0	8	4	0	0	11	0
	3210 Cover/Summary of Quantities/General Items	3	\$42.13	\$126.39	0.48%	0	0	0	1	0	0	0	0	0	2	0
	3211 Sequence of Construction/Phasing Plan	5	\$49.36	\$246.78	0.94%	0	1	0	2	0	1	0	0	0	1	0
	3212 Existing Conditions/Prop Removal/Pavement Rehab. Details/SWPPP	6	\$45.10	\$270.58	1.03%	0	1	0	1	0	2	0	0	0	2	0
	3213 Utility Plan and Relocation Plan (As necessary)	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0
	3214 Proposed Improvement Plan and Geometry Plan	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0
	3215 Typical Sections/Cross Section Develop.	3	\$52.05	\$156.15	0.59%	0	1	0	1	0	0	0	0	0	1	0
	3216 Pavement Design/Geometry/Paved Shldr. Mods	2	\$37.91	\$75.81	0.29%	0	0	0	0	0	1	0	0	0	1	0
	3217 Plan and Profile Plan Sheets	7	\$42.08	\$294.53	1.12%	0	1	0	1	0	2	2	0	0	1	0
	3218 Drainage and Edge Drain Design	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0
	3219 Underdrain Plan and Details	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0
	3220 Grading and Intersection Staking Plan	3	\$47.59	\$142.76	0.54%	0	1	0	0	0	1	0	0	0	1	0
	3221 PCC Jointing Plan and Details/Transition Details	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0
	3222 Edge Lighting/Apron Lighting Design/Electrical Design/Vault Improvements	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0
	3223 Earthwork Distribution and Cross Sections	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0
	3224 Restoration and Landscaping Plan	2	\$33.88	\$67.76	0.26%	0	0	0	0	0	0	1	0	0	1	0
	3225 Misc Design Elements (e.g. Marking, Fencing, etc.)	3	\$35.46	\$106.38	0.40%	0	0	0	0	0	1	1	0	0	1	0
3300	Revisions to Technical Specifications based on Comment Resolution - Prepare IFB Specs	2	\$52.79	\$105.57	0.40%	0	1	0	0	0	1	0	0	0	0	0
3400	Revisions to Quantity Computations, Final Rev. of Opinion of Prob. Cost and Estimate of Contract	8	\$40.15	\$321.19	1.22%	0	1	0	0	0	5	2	0	0	0	0
	3410 Quantity Computations	5	\$41.07	\$205.33	0.78%	0	1	0	0	0	2	2	0	0	0	0
	3420 Cost Estimate Preparation and Development	1	\$38.62	\$38.62	0.15%	0	0	0	0	0	1	0	0	0	0	0
	3430 Estimate of Time Preparation and Development	1	\$38.62	\$38.62	0.15%	0	0	0	0	0	1	0	0	0	0	0
	3440 Prepare DBE Goals and Estimate	1	\$38.62	\$38.62	0.15%	0	0	0	0	0	1	0	0	0	0	0
4000	General Overall Project Related Tasks	32	\$60.04	\$1,921.40	7.30%	0	19	0	11	0	2	0	0	0	0	0
4100	Quality Control and Constructability Reviews	8	\$61.35	\$490.78	1.87%	0	5	0	3	0	0	0	0	0	0	0
	4110 Prepare QC Plan	2	\$59.48	\$118.96	0.45%	0	1	0	1	0	0	0	0	0	0	0
	4120 Complete QAP Reviews and Follow-up	4	\$59.48	\$237.92	0.90%	0	2	0	2	0	0	0	0	0	0	0
	4130 Complete Constructability Reviews (at 80% and 100%)	2	\$66.95	\$133.90	0.51%	0	2	0	0	0	0	0	0	0	0	0
4200	Project Management and Meetings	20	\$59.64	\$1,192.70	4.53%	0	12	0	6	0	2	0	0	0	0	0
	4210 Project Review and Coordination Meetings with the Owner, IDA and FAA (Est. (2) of Mtgs @ X 1 Hours/Ea.) (Identify: Prelim. Design, Design Mtgs at 80% & 100%) - via conf. call if needed	6	\$61.97	\$371.82	1.41%	0	4	0	2	0	0	0	0	0	0	0
	4220 Project Coordination Meetings with Agencies including Permitting Authorities and Subconsultants (Est. 2 of Mtgs @ 1 Hours/Ea.)	4	\$66.95	\$267.80	1.02%	0	4	0	0	0	0	0	0	0	0	0
	4230 Internal Project Design Meetings and Coordination (Est. 2 of Mtgs @ 1 Hours/Ea.)	6	\$52.53	\$315.16	1.20%	0	2	0	2	0	2	0	0	0	0	0
	4240 Project Management and Coord. of Design Team and Subconsultants	4	\$59.48	\$237.92	0.90%	0	2	0	2	0	0	0	0	0	0	0
4300	Post Design Phase - Pre-Bid and Bidding	2	\$59.48	\$118.96	0.45%	0	1	0	1	0	0	0	0	0	0	0
	4310 Pre-bid meeting, Preparation & Attendance	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0
	4320 Miscellaneous bidding Phase; addenda; respond to questions during bidding; analysis of bids; etc.	2	\$59.48	\$118.96	0.45%	0	1	0	1	0	0	0	0	0	0	0
4400	Project Design Closeout and Archive	2	\$59.48	\$118.96	0.45%	0	1	0	1	0	0	0	0	0	0	0
Totals		610	\$43.14	\$26,313.08	100.00%	0	81	-	89	-	138	102	66	-	134	-

ATTACHMENT C
CONSTRUCTION PHASE SERVICES
ESTIMATE OF COSTS

<u>Category</u>	<u>Amount (\$)</u>
1. <u>Direct Salary Costs</u>	_____ (ATTACHMENT C-1)
2. <u>Labor and General and Administrative Overhead</u> ¹	_____
3. <u>Direct Nonsalary Expenses</u>	
Lodging ^{2,3}	_____
Meals/Per Diem ^{2,3}	_____
Transportation ²	_____
Materials & Supplies	_____
Printing	_____
CADD time ⁴	_____
Other Costs (excluding outside services)	_____
4. <u>Fixed Payment</u> ⁵	_____
5. <u>Outside Services</u>	_____
Cost Plus Fixed Payment	
Total Amount Not to Exceed	\$ _____
OR	
Lump Sum	
Total Amount Not to Exceed	\$ _____

NOTES.

- 1/ A letter from IDOT with approval or provisional payroll burden / fringe and general / administrative expense rates must be attached (ATTACHMENT S) for verification of rates.
- 2/ Current approved rates established by State of Illinois - Governors Travel Control Board.
- 3/ Shall not be used in calculation of fixed payment amount.
- 4/ Maximum CADD rate shall be \$15.00/hour.
- 5/ Fixed Payment (Profit) = (14.5%) x [Direct Salary Costs + (OH&B) x (Direct Salary Costs) + Transportation + Materials & Supplies + Printing + CADD time + Other Costs (excluding outside services)].

ATTACHMENT C-1

CONSTRUCTION PHASE SERVICES

ESTIMATE OF SALARY EXPENSES

<u>Classification*</u>	<u>Hours</u>	<u>\$Rate/Hour</u>	<u>Cost (\$)</u>
Principal	_____	_____	_____
Vice Principal	_____	_____	_____
Project Manager	_____	_____	_____
Senior Project Engineer	_____	_____	_____
Senior Project Architect	_____	_____	_____
Project Engineer	_____	_____	_____
Project Architect	_____	_____	_____
Senior Engineer	_____	_____	_____
Senior Architect	_____	_____	_____
Engineer	_____	_____	_____
Planner	_____	_____	_____
Registered Land Surveyor	_____	_____	_____
Land Surveyor	_____	_____	_____
Senior Engineering Technician	_____	_____	_____
Engineering Technician	_____	_____	_____
Engineering Assistant	_____	_____	_____
CADD/Draftsman/Technician	_____	_____	_____
Clerical	_____	_____	_____
Total	_____	_____	_____
	(hours)	(average)	\$ (total direct salary costs) (ATTACHMENT D)

*Classifications may be adjusted as per Consultant's work force.

ATTACHMENT D

PLANNING AND SPECIAL SERVICES

DeKalb Taylor Municipal Airport

Mill and Overlay Taxiway C

Attachment D

Planning and Special Services - Bidding Service for Local Let Projects

ESTIMATE OF COSTS

<u>CATEGORY</u>		<u>AMOUNT</u>
1 <u>Direct Salary Costs</u>		\$1,493.50
2 <u>Labor and General and Administrative Overhead</u> ¹	52.90%	\$790.06
3 <u>Direct Nonsalary Expenses</u>	115.95%	\$1,731.71
Lodging ^{2,3}		\$ -
Meals/Per Diem ^{2,3}		\$ -
Transportation ²		\$ -
Materials & Supplies		\$ -
Printing		\$ -
CADD time ⁴		\$ -
Other Costs (Excluding outside Services)		\$ -
4 <u>Fixed Payment</u> ⁵		\$600.00
5 <u>Outside Services/Subconsultants</u>		\$0.00
None Anticipated		\$0.00
	Cost Plus Fixed Payment	
	Total Amount Not to Exceed	\$4,615.27
Or	Use =	\$4,600.00

NOTES:

- 1/ A letter from IDOT with approval or provisional payroll burden / fringe and general / administrative expense rates must be attached (ATTACHMENT S) for verification of rates.
- 2/ Current approved rates established by State of Illinois - Governors Travel Control Board.
- 3/ Shall not be used in calculation of fixed payment amount.
- 4/ Maximum CADD rate shall be \$15.00/hour.
- 5/ Fixed Payment (Profit) = (14.5%)x[Direct Salary Costs + (OH&B)x(Direct Salary Costs) + Transportation + Materials & Supplies + Printing + CADD time + Other Costs (excluding outside services)]

ATTACHMENT D-1

PLANNING AND SPECIAL SERVICES

ESTIMATE OF SALARY EXPENSES

<u>CLASSIFICATION</u>	<u>TIME REQUIRED</u> <u>(HOURS)</u>	<u>HOURLY</u> <u>WAGE</u>	<u>SALARY</u> <u>EXPENSE</u>
PRINCIPAL	0	\$78.00	\$0.00
PROJECT ENGINEER II	6	\$66.95	\$401.70
PROJECT ARCHITECT II	0	\$55.15	\$0.00
PROJECT MANAGER II	0	\$59.40	\$0.00
PROJECT ENVIRONMENTAL SCIENTIST II	0	\$63.87	\$0.00
PROJECT STRUCTURAL ENGINEER II	0	\$76.47	\$0.00
PROJECT ENGINEER I	0	\$52.01	\$0.00
PROJECT MANAGER I	0	\$52.39	\$0.00
PROJECT ENVIRONMENTAL SCIENTIST I	2	\$54.67	\$109.34
PROJECT STRUCTURAL ENGINEER I	0	\$51.66	\$0.00
SENIOR ENGINEER I	0	\$38.62	\$0.00
SENIOR ARCHITECT I	0	\$44.96	\$0.00
TECHNICAL MANAGER II	0	\$47.46	\$0.00
SENIOR PLANNER I	8	\$40.83	\$326.64
GIS SPECIALIST	0	\$36.87	\$0.00
ENVIRONMENTAL SCIENTIST III	0	\$40.93	\$0.00
SENIOR STRUCTURAL ENGINEER II	2	\$50.87	\$101.74
SENIOR STRUCTURAL ENGINEER I	0	\$39.17	\$0.00
ENGINEER I	0	\$30.57	\$0.00
ARCHITECT I	0	\$27.87	\$0.00
ENVIRONMENTAL SCIENTIST II	6	\$33.78	\$202.68
STRUCTURAL ENGINEER I	0	\$30.22	\$0.00
PLANNER I	8	\$28.97	\$231.76
ENVIRONMENTAL SCIENTIST I	0	\$24.90	\$0.00
TECHNICAL MANAGER I	4	\$29.91	\$119.64
LAND SURVEYOR	0	\$42.88	\$0.00
SENIOR TECHNICIAN II	0	\$47.48	\$0.00
SENIOR TECHNICIAN I	0	\$37.19	\$0.00
TECHNICIAN II	0	\$31.13	\$0.00
TECHNICIAN I	0	\$26.27	\$0.00
PROJECT ADMINISTRATIVE ASSISTANT	0	\$25.58	\$0.00
ADMINISTRATIVE/ACCOUNTING ASSISTANT	0	\$20.40	\$0.00
		AVERAGE	
TOTAL	36	\$41.49	\$1,493.50

*Classifications may be adjusted as per Consultant's work force.

ATTACHMENT D-2

PLANNING AND SPECIAL SERVICES

DeKalb Taylor Municipal Airport

Mill and Overlay Taxiway C

Attachment D-2

Planning and Special Services Phase
Estimated Cost Breakdown Items 4, 5, 6 & 7

Item

4 MATERIALS AND SUPPLIES					
Surveying Supplies (paint, lathe, stakes, etc)			\$	-	
Drafting Media			\$	-	
Misc. Equipment and Direct Project Supplies			\$	-	
			Sub-Total		\$ -
5 TRAVEL					
Travel Reimbursement	0 miles@	\$ 0.560	\$	-	
Vehicle Days	0 days@	\$ 65.00	\$	-	
Other Subsistence & Tolls			\$	-	
			Sub-Total		\$ -
6 PRINTING					
Full Size Prints	sheets@	\$ 2.40	\$	-	
Photo-copies	sheets@	\$ 0.20	\$	-	
			Sub-Total		\$ -
7 OTHER COSTS (EXCLUDING OUTSIDE SERVICES)					
Photos/Developing			\$	-	
Direct Project Shipping Expense			\$	-	
Unassigned Misc Project Direct Expense			\$	-	
			Sub-Total		\$ -
					\$ -

ATTACHMENT D-3

PLANNING AND SPECIAL SERVICES

DeKalb Taylor Municipal Airport

Mill and Overlay Taxiway C

**Attachment D-3 - Planning and Special Services Phase Engineering
Cost Estimate of Consultant Services (By Task)**

Element of Work	Hours	Ave Hourly Rate	Total Direct Labor	% of Total Labor	Principal	Project Engineer II	Project Environmental Scientist II	Project Engineer I	Project Environmental Scientist I	Senior Engineer I	Senior Planner I	GIS Specialist	Engineer I	Environmental Scientist II	Planner I	Environmental Scientist I	Senior Technician II	Project Administrative Assistant	
Planning and Special Services Phase																			
8050 NEPA Clearance	27	\$35.31	\$953.49	63.84%	0	0	0	0	0	0	8	0	0	6	7	0	0	0	
8051 Section 4(f), Endangered Species, Other Resources, Community Disruption, Environmental Justice, Surface Transportation, Noise, Air Quality, Water Quality, Hazardous Material, Light Emissions)	10	\$33.27	\$332.66	22.27%	0	0	0	0	0	0	2	0	0	4	4	0	0	0	
8052 Exhibits for Environmental Clearance (Wetlands, Flood Maps, etc.)	12	\$35.71	\$428.54	28.69%	0	0	0	0	0	0	2	0	0	2	2	0	0	0	
8053 Complete Environmental Documentation for Submittal	5	\$38.46	\$192.29	12.88%	0	0	0	0	0	0	4	0	0	0	1	0	0	0	
8054 Project Description	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8055 ESR Request	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8056 Impact Category Checklist	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8057 Public Hearing (if requested)	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8058 Review and FAA/IDA Coordination	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8060 Airspace Documents/Exhibits	5	\$54.44	\$272.21	18.23%	0	2	0	0	2	0	0	0	0	0	1	0	0	0	
8090 Project Management	4	\$66.95	\$267.80	17.93%	0	4	0	0	0	0	0	0	0	0	0	0	0	0	
8091 Project Management	2	\$66.95	\$133.90	8.97%	0	2	0	0	0	0	0	0	0	0	0	0	0	0	
8092 FAA Deliverable Review Coordination	2	\$66.95	\$133.90	8.97%	0	2	0	0	0	0	0	0	0	0	0	0	0	0	
Totals	36	\$41.49	\$1,493.50	100.00%	0	6	0	0	2	0	8	0	0	6	8	0	0	0	

ATTACHMENT E

ENGINEERING REPORT (General Guidance)

The Engineering Report is to be prepared by the Consultant and submitted to the Sponsor and/or Department, if possible, prior to starting Plans and Specifications. The Report shall include, at a minimum, a discussion of the following elements which are applicable and any other elements deemed necessary by the Department:

1. Introduction, project overview and consistency with approved ALP, justification, scope, authorization, funding, required environmental actions and schedule.
2. Investigations and evaluations, including pavement history, PCI information, topographic survey data, soil sampling and testing, boring logs, CBR test results, subgrade stabilization considerations, and seasonal frost issues.
3. Pavement design considerations, including pavement types and/or alternates; any unusual design and reasons therefore, selection of design CBR value, traffic distribution, and reported pavement strength.
4. Rehabilitation, strengthening and/or overlay work shall be detailed as to the type of work required, including existing pavement conditions, material selection considerations, thickness design and economic analysis.
5. Construction features which vary from FAA criteria should be identified including the problem(s) facts, alternative solutions, and/ or desired solution. Is the desired solution the most economical?
6. Items such as materials sources, soils, drainage, water for construction, cost of land vs. development, contractor resources, available finances, and stage development. The report should say how these factors affected the decisions made by the Consultant in the design.
7. Explanation of drainage design criteria including explanation of drainage districts data INPUT and off-site drainage impact on design. Include drainage calculations and modeling.
8. Special considerations for local circumstances such as available material, equipment, contractors, and airport sponsored events.
9. Consultant's choice of options for the lighting design; similar explanation of choices made for the drainage, fencing, turfing and marking, including decisions regarding cover crop seeding.
10. Approach conditions which will result from proposed work and comparison with FAA criteria.
11. Analysis of potential RSA determination (if applicable).
12. Development of PCN for runway strengthening and rehabilitation projects.
13. Description of non-AIP work and quantity separation from AIP eligible items.
14. Identify work to be done by others such as utility companies and airports sponsor forces.
15. The Consultant's preliminary estimate of construction costs, fees and expenses shall be included.
16. A discussion of project safety concerns (per guidance explained in FAA AC 150/5370-2F (or current) Operational Safety on Airports during Construction) shall be included.
17. A discussion of project phasing / sequencing and estimate of construction calendar days shall be included.

ATTACHMENT F



**Illinois Department
of Transportation**

Resident Engineer's Diary

Airport: _____ Date: _____

Contractor: _____ IL Project No.: _____ AIP Project _____

Temperature _____ Wind: _____ Weather Conditions: _____

Status: Active Suspended Jobsite Conditions: Workable Non-workable

Controlling Item: _____

Workforce

Consultant (# of people, hours): _____

Contractor (# of people, equipment, hours): _____

Daily Work

Pay items / General Location: _____

Instructions to Contractor / Unusual Events: _____

Verbal Approvals (official & item): _____

Additional Work (change order, etc.): _____

Official Visitors: _____

Materials Deliveries (material, quantity, quality) / Testing (test, location, corrective action):

Other: _____

Calendar Days: _____
Awarded
Charged
Remaining

DBE Onsite? (yes or no)
Own forces used? (yes or no)
Own equipment used? (yes or no)

Submitted _____ Firm: _____ Date: _____

ATTACHMENT G

COST PLUS FIXED PAYMENT INVOICE (Standard Format)

To: _____, Chief Engineer
Illinois Department of Transportation
Division of Aeronautics
Abraham Lincoln Capital Airport
1 Langhorne Bond Drive
Springfield, IL 62707-8415

From (Firm): _____
Address: _____
Telephone No.: _____
Invoice # _____ Date: _____
[] Partial [] Final

Attn: _____, Section Chief

Airport: _____ Municipality: _____, IL
Illinois Project No. _____ Federal Project No. _____
Notice to Proceed Date (OP&P Program Letter or Sponsor Authorization): _____
Per A/E Agreement/Amendment dated: _____

Services (Check only those services pertaining to invoice):

- | | |
|--|--|
| <input type="checkbox"/> Preliminary Assessment and Schematic Design Phase | <input type="checkbox"/> Planning and Special Services |
| <input type="checkbox"/> Design Phase | <input type="checkbox"/> Other () |
| <input type="checkbox"/> Construction Phase | <input type="checkbox"/> Amendment(s) |

Service Dates: For Services Rendered From (date): _____ To (date): _____

<u>Period</u>	<u>To Date</u>	<u>Billing</u>
(1) Direct Salaries _____	\$ _____	\$ _____
Include all information per ATTACHMENT I (EFFORT DETAIL BREAKDOWN)		
(2) Labor and General and Administrative Overhead (_____ %)	\$ _____	\$ _____
(3) Direct Non-Salary Expenses (OT Premium) _____	\$ _____	\$ _____
Support documentation must accompany all payment requests of direct non-salary expenses.		
(4) Profit – (Fixed Payment \$ _____ x _____ % Complete)	\$ _____	\$ _____
(5) SUBTOTAL (1) – (4)	\$ _____	\$ _____
(6) Outside Services _____	\$ _____	\$ _____
TOTAL AMOUNT EARNED TO DATE: (5) + (6) _____	\$ _____	
Maximum Payable (per Engineering Agreement) _____	\$ _____	
Estimated total cost to complete project (for billings after 50%) _____	\$ _____	
Less Total Amount(s) Previously Invoiced _____	\$ _____	
PAYMENT DUE THIS INVOICE _____	\$ _____	

I certify that to the best of my knowledge, the percent of work shown as complete on this invoice is correct.

By: _____
Printed Name and Title

Department Approval
By: _____
Printed Name and Title

NOTE: This format is for general information. The Consultant's format containing essential data may be acceptable.

ATTACHMENT H

LUMP SUM INVOICE (Standard Format)

To: _____, Chief Engineer
Illinois Department of Transportation
Division of Aeronautics
Abraham Lincoln Capital Airport
1 Langhorne Bond Drive
Springfield, IL 62707-8415

From (Firm): _____
Address: _____
Telephone No.: _____
Invoice # _____ Date: _____
[] Partial [] Final

Attn: _____, Section Chief

Airport: _____ Municipality: _____, IL
Illinois Project No. _____ Federal Project No. _____
Notice to Proceed Date (OP&P Program Letter or Sponsor Authorization): _____
Per A/E Agreement/Amendment dated: _____

Services (Check only those services pertaining to invoice):

- | | |
|--|--|
| <input type="checkbox"/> Preliminary Assessment and Schematic Design Phase | <input type="checkbox"/> Planning and Special Services |
| <input type="checkbox"/> Design Phase | <input type="checkbox"/> Other () |
| <input type="checkbox"/> Construction Phase | <input type="checkbox"/> Amendment(s) |

Service Dates:

For Services Rendered From (date): _____ To (date): _____

- (1) Lump Sum (LS) Fee (or Maximum Payable per Engineering Agreement) \$ _____
- (2) Percent of Work Complete: _____ %
- (3) Fee Earned to Date: (LS \$ _____ x _____ % Complete) \$ _____
- (4) Less Total Amount(s) Previously Invoiced \$ _____
- (5) PAYMENT DUE THIS INVOICE \$ _____

I certify that to the best of my knowledge, the percent of work shown as complete on this Invoice is correct.

By: _____
Printed Name and Title

Department Approval

By: _____
Printed Name and Title

NOTE: This format is for general information. The Consultant's format containing essential data may be acceptable.

ATTACHMENT I

EFFORT DETAIL BREAKDOWN (Standard Format)

Page ____ of ____ Pages

Airport: _____
 Illinois Project No. _____
 Federal Project No. _____

Invoice No. _____
 Date: _____

ENGINEERING COSTS BREAKDOWN

Agreement Paragraph Governing Services	Service Performed	Date Performed	Employee's Name and Classification	Hours	Rate	Amount

Total _____

ENGINEERING FIRM

Name _____

Address _____

Prepared By _____

Date _____

NOTE:

This format is for general information; however the consultant's format containing the essential data may be acceptable.

ATTACHMENT J

TESTING SCHEDULE – See *Testing Proposal*

Testing Schedule - anticipated for the Preliminary Assessment and Schematic Design, Design and Construction phases of the project. See subconsultant work scope

Description	Approximate Number
ASTM D 421, Particle Size Analysis	
ASTM D 2217	
ASTM C 422	
ASTM D 698, Moisture-Density Relations of Soil	
ASTM D 1557	
ASTM D 427, Shrinkage Factors of Soil	
ASTM D 2434, Permeability of Granular Soils	
AASHTO T 194, Determination of Organic Materials in Soils by Wet Combustion	
ASTM D 1883, Bearing Ratio of Laboratory Compacted Soil	
AASHTO T 222, Modulus of Soil Reaction	
ASTM D 2487, Soil Classification "Unified System"	
ASTM D 2113, Soil Borings	
ASTM C 207, Hydrated Lime	
ASTM C 131, Abrasion	
ASTM C 88, Soundness	
ASTM D 946, Penetration	
ASTM D 3381, Viscosity	
ASTM D 1559, Marshall Method	
ASTM C 136, Gradation	
ASTM D 2172, Extraction and Gradation	
ASTM D 2726, Bulk Specific Gravity	
ASTM D 2041, Maximum Theoretical Specific Gravity	
ASTM D 2950, Nuclear Density	
ASTM C 117 Washed Aggregate Sample	
ASTM D 4318, Liquid Limit, Plastic Limit, Plasticity Index	
ASTM C 127, Absorption and Specific Gravity	
ASTM C 128	
ASTM C 566, Moisture Content	
ASTM C 31, PCC Test Cylinders	
ASTM C 141, Slump	
ASTM C 231, Air Content	
ASTM C 78, Flexural Strength	
ASTM C 138, Yield, Cement Content	
ASTM D 412, Rubber in Tension	
ASTM D 1664, Striping Test	

The testing form shall be adjusted to the specific project. The consultant shall not assume IDOT will provide any testing and inspections. Payment for these services shall be at the rates established in ATTACHMENT K. - TESTING RATES & COST SUMMARY.



TESTING SERVICE CORPORATION

Corporate Office

360 South Main Place, Carol Stream, IL 60188-2404
630.462.2600 • Fax 630.653.2988

DeKalb Office

650 North Peace Road, DeKalb, IL 60115-8401
815.748.2100 • Fax 815.748.2110

January 15, 2020

Mr. Doug Klonowski, P.E., Aurora Office Manager
Crawford, Murphy & Tilly, Inc.
550 North Commons Drive, Suite 116
Aurora, Illinois 60504

RE: P.N. 66,245
Rehabilitate Taxiway C
DeKalb Taylor Municipal Airport
3232 Pleasant Street
DeKalb, Illinois

Dear Mr. Klonowski:

Testing Service Corporation (TSC) is pleased to submit this proposal to provide Geotechnical Engineering Services for the above captioned project. It responds to your Request for Proposal (RFP) dated January 11, 2020. The objectives of the Geotechnical Study are to explore soil conditions and provide recommendations and information for use in connection with the proposed Taxiway C Rehabilitation project.

Proposed Project:

It is understood that Taxiway C will be rehabilitated at the DeKalb Taylor Municipal Airport (DTMA) in DeKalb, Illinois. It is assumed that the existing taxiway pavement section consists of bituminous concrete and aggregate base course materials. The currently proposed construction will consist of either a leveling course, bituminous base and surface course layer, or if strengthening is not warranted, a mill and overlay.

Scope of Work:

Following is a summary of the proposed boring and pavement coring program, as noted in your RFP, for this project:

- As required, a total of seven (7) soil borings (numbered B-1 thru B-7) will be performed upon or along Taxiway C. As requested, the borings will be drilled to a nominal maximum depth of 10 feet each, below existing grade. Four (4) of these borings will be made on the Taxiway, three (3) along side of the Taxiway. Based on this scope, the total drilling footage will be a maximum of 70 lineal feet.
- One (1) pavement core will be collected at each of the four (4) borings to be drilled upon the taxiway. The purpose of the pavement cores will be to determine the type, thickness and general condition of the pavement materials at the test locations.

For purposes of this proposal, we have assumed that the site will generally be accessible to our equipment and vehicles. No provisions have been made for obstruction removal, snow removal or site clearing to access the boring locations. It is assumed that the DTMA will close Taxiway C while we perform our field work. Also, no cost provisions have been included in this proposal for damage to rutting of soil/landscaped areas caused by the normal movements of our equipment and vehicles about the site. Should costs associated with these items be required, such actions would need to be covered in a separate proposal. It is further assumed that the borings can be made during standard/normal weekday business hours. TSC will backfill boreholes with drill cuttings and borings in pavement areas will be topped with cold patch asphalt mix.

Providing a Full Range of Geotechnical Engineering, Environmental Services, and Construction Materials Engineering & Testing

Carol Stream, IL • DeKalb, IL • Gurnee, IL • Shorewood, IL • Rockford, IL

Utility clearance for the borings will be obtained by TSC by contacting JULIE (Joint Utility Locating Information for Excavators), as well as appropriate personnel with the DTMA and the Federal Aviation Administration (FAA). It is understood that the boring and core locations will be laid out by representatives of CMT prior to arranging the utility locate.

Soil samples of the subgrade at the test boring locations will be obtained by standard split-spoon methods (ASTM D 1586) with the use of a drill rig. The subgrade borings will be sampled at 2-½ foot intervals from the bottom of the pavement materials to the termination depth of 10 feet. Representative portions of samples will be sealed, packaged and transported to our laboratory. Groundwater observations will also be made during and following completion of drilling operations.

Laboratory Testing:

All boring samples will be examined by an experienced laboratory soils technician and/or engineer, to verify field descriptions and visually classify them in accordance with the Unified Soil Classification System. Laboratory testing will include moisture content determinations as well as hand penetrometer measurements of unconfined compressive strength, as appropriate. Representative subgrade samples will also be tested for Atterberg Limits and grain size analyses in accordance with the appropriate ASTM procedures. California Bearing Ratio (CBR) test(s) will also be performed, per ASTM D 1883, on a representative sample or samples obtained from the subgrade from the borings. For purposes of this proposal, we have assumed that one (1) subgrade soil sample will be taken for CBR testing. Various tests on topsoil may also be performed as requested.

Report of Data Obtained:

Upon completion of sampling and testing, you will receive an engineering report summarizing field and laboratory test data, including computer generated boring logs and location plan. The report will address anticipated soil and groundwater conditions impacting the planned improvements, based upon the information obtained from the borings and cores. It will also provide recommendations to guide design and specification preparation pertaining to the use of on-site soils as fill, subgrade support rating and CBR, as well as treatment of any unsuitable or unstable subgrade for areas of removal/replacement/reconstruction.

Fees and Scope:

To provide the boring and coring services outlined above, TSC is proposing a budget amount of Seven Thousand One Hundred Dollars (\$7,100.00). This budget amount is based on the understanding that the work can be performed during standard/normal weekday business hours. Our fee is further subject to this proposal being accepted by you on or before April 30, 2021.

Should the study reveal unexpected subsurface conditions requiring a change in scope, you will be contacted before we proceed with further work. Our invoice will be based on the unit rates given. Please note that our quoted fee does not include plan review, excavation, fill, earthwork, footing or foundation observations during construction phases of the project. The project budget should include provision for these services. Consultation, preconstruction meetings or other professional services subsequent to delivery of TSC's report are additional services that will be covered by separate invoice.

TSC's geotechnical investigation will not include services required to evaluate the likelihood of the site being contaminated by hazardous materials or other pollutants. Should an environmental investigation be desired by you, please contact the undersigned for a separate proposal.

The Illinois Department of Labor (IDOL) has taken the position that Core Drilling/Soil Testing is a covered activity under the Illinois Prevailing Wage Act (IPWA). This project, along with all other transportation and infrastructure related projects is now under the guidelines of IPWA enforcement. The unit prices provided in the attached fee schedule are meant to comply with the IPWA, and therefore should be in agreement with the position taken by the IDOL.

With respect to schedule, we anticipate being able to perform the field work within two (2) weeks of receiving written Notice to Proceed (NTP).

Closure:

The geotechnical services being performed are subject to TSC's attached General Conditions. Unless stated otherwise, TSC fees include all state and federal taxes and permits that may be required; however, they do not include any license, permits or bond fees that local governments may impose. The local fees, if any, will be added to the invoice. Unless we receive written instructions to the contrary, invoices will be sent to:

Crawford, Murphy & Tilly, Inc.
Attn: Accounts Payable
2750 West Washington Street
Springfield, Illinois 62702-3497
Phone: 217.787.8050

If this proposal meets with your approval, please indicate your acceptance by signing one copy and returning it to our DeKalb, Illinois office. Your consideration of our proposal is appreciated. We look forward to being of service to you on this project.

Respectfully submitted,

TESTING SERVICE CORPORATION



Steven R. Koester, P.E.
Vice President

Enc. Cost Estimate
 General Conditions
 Project Data Sheet

Rehabilitate Taxiway C- DeKalb, Illinois
P.N. 66,245 - January 15, 2021

Approved and accepted for CMT _____

by:

Doug Klonowski  _____
(NAME)

Vice President _____
(TITLE)

March 19, 2021 _____
(DATE)

COST ESTIMATE
Rehabilitate Taxiway C
DeKalb Taylor Municipal Airport
3232 Pleasant Street
DeKalb, Illinois
P.N. 66,245

ITEM		UNITS	QTY	RATES	COST
STAKING AND UTILITY CLEARANCE SERVICES					
1.1	Two Person Crew	Hour	0.0	220.00	\$ 0.00
1.2	Layout Crew Technician to Mark Test Locations in the Field, Reconnaissance an/or Arrange for Clearance of Underground Utilities (it is understood that CMT will mark the boring locations in the field prior to our field work)	Hour	1.5	120.00	\$ 180.00
OBTAIN PERMITS (Assumes no permit charges will be required)					
2.1	Bond, Permit and Associated Charges	At Cost	0.0	0.00	\$ 0.00
DRILLING, SAMPLING AND CORING - Prevailing Wage					
3.1	Drill Rig with 2-Man Drill Crew (Portal to Portal) (0 to 9 hours per day)	Lump Sum	1.0	3,600.00	\$ 3,600.00
DRILL RIG WITH 2-MAN DRILL CREW - PREVAILING WAGE (Travel, Drilling, Sampling, Standby and/or Obstruction Time)					
4.1	Regular Time (Up to 8.0 hours per Day)	Hour	0.0	400.00	\$ 0.00
4.2	Overtime (Over 8.0 hours per Day)	Hour	0.0	550.00	\$ 0.00
4.3	Out of Town Living Expenses for 2-Person Drill Crew	Per Day	0.0	250.00	\$ 0.00
PAVEMENT CORING EQUIPMENT Includes coring equipment with nominal 4-inch or 6-inch diameter barrel for retrieving pavement materials; drill rig will be used to power auger through base course/subbase materials.					
5.1	Bit Wear - per inch of asphalt pavement	Inch	40.0	5.50	\$ 220.00
5.2	Bit Wear - per inch of PCC Pavement	Inch	0.0	5.50	\$ 0.00
5.3	Patch Holes with Cold Patch Asphalt or Non-Shrink Grout	Each	4.0	10.00	\$ 40.00
5.4	Generator Use	Day	1.0	65.00	\$ 65.00
5.5	Vehicle Mileage	Per Mile	0.0	0.60	\$ 0.00
5.6	Engineer to measure and describe core samples in laboratory	Lump Sum	1.0	150.00	\$ 150.00
TRAFFIC CONTROL					
6.1	Single Flagman or Third Flagman	Hour	0.0	112.50	\$ 0.00
6.2	2-Man Flagging Crew, Regular Time (Traffic Control Firm - prices subject to change)	Hour	0.0	225.00	\$ 0.00

Rehabilitate Taxiway C- DeKalb, Illinois
P.N. 66,245 - January 15, 2021

ITEM		UNITS	QTY	RATE	COST
6.3	2-Man Flagging Crew, Overtime (Traffic Control Firm - prices subject to change)	Hour	0.0	292.50	\$ 0.00
6.4	Truck/Trailer Mounted Attenuator (TMA)	Hour	0.0	175.00	\$ 0.00
6.5	TSC Pickup and Arrowboard/Signage/Cones	Day	0.0	300.00	\$ 0.00
LABORATORY TESTING					
7.1	Examine Samples to Describe by Textural System and Classify Using the Unified Soil Classification System	Each	28.0	4.00	\$ 112.00
7.2	Water Content Determination (Includes Pocket Penetrometer Reading on Cohesive Samples)	Each	25.0	8.00	\$ 200.00
7.3	Unconfined Compressive Strength of Cohesive Soils (or Torvane Shear Strength Measurement)	Each	2.0	16.00	\$ 32.00
7.4	Dry Unit Weight Determination	Each	0.0	8.00	\$ 0.00
7.5	Sieve Analysis with #200 Wash	Each	0.0	100.00	\$ 0.00
7.6	Sieve Analysis with Hydrometer	Each	2.0	150.00	\$ 300.00
7.7	Atterberg Limit Determinations	Each	2.0	120.00	\$ 240.00
7.8	Organic Content (L.O.I. & Wet Combustion)	Each	1.0	100.00	\$ 100.00
7.9	pH Test	Each	0.0	30.00	\$ 0.00
7.10	Shrinkage Factor of Soil, ASTM D427	Each	0.0	75.00	\$ 0.00
7.11	Moisture/Density Relationship of Soils (Standard Proctor)	Each	1.0	200.00	\$ 200.00
7.12	California Bearing Ratio (CBR) Test with Supporting Tests	Each	1.0	650.00	\$ 650.00
PROJECT ADMINISTRATION, ENGINEERING, ANALYSIS AND REPORTING PERSONNEL					
8.1	Prepare Report with Boring Logs and Location Plan	Lump Sum	1.0	1,000.00	\$ 1,000.00
8.2	Principal Geotechnical Engineer, P.E.	Hour	0.0	200.00	\$ 0.00
8.3	Geotechnical Engineer, P.E.	Hour	0.0	160.00	\$ 0.00
8.4	Secretary	Hour	0.0	55.00	\$ 0.00
ESTIMATED TOTAL:					\$ 7,089.00
RECOMMENDED BUDGET:					\$ 7,100.00



TESTING SERVICE CORPORATION

GENERAL CONDITIONS Geotechnical and Construction Services

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1. PARTIES AND SCOPE OF WORK: If Client is ordering the services on behalf of another, Client represents and warrants that Client is the duly authorized agent of said party for the purpose of ordering and directing said services, and in such case the term "Client" shall also include the principal for whom the services are being performed. Prices quoted and charged by TSC for its services are predicated on the conditions and the allocations of risks and obligations expressed in these General Conditions. Unless otherwise stated in writing, Client assumes sole responsibility for determining whether the quantity and the nature of the services ordered by Client are adequate and sufficient for Client's intended purpose. Unless otherwise expressly assumed in writing, TSC's services are provided exclusively for Client. TSC shall have no duty or obligation other than those duties and obligations expressly set forth in this Agreement. TSC shall have no duty to any third party. Client shall communicate these General Conditions to each and every party to whom the Client transmits any report prepared by TSC. Ordering services from TSC shall constitute acceptance of TSC's proposal and these General Conditions.

2. SCHEDULING OF SERVICES: The services set forth in this Agreement will be accomplished in a timely and workmanlike manner. If TSC is required to delay any part of its services to accommodate the requests or requirements of Client, regulatory agencies, or third parties, or due to any cause beyond its reasonable control, Client agrees to pay such additional charges, if any, as may be applicable.

3. ACCESS TO SITE: TSC shall take reasonable measures and precautions to minimize damage to the site and any improvements located thereon as a result of its services or the use of its equipment; however, TSC has not included in its fee the cost of restoration of damage which may occur. If Client desires or requires TSC to restore the site to its former condition, TSC will, upon written request, perform such additional work as is necessary to do so and Client agrees to pay to TSC the cost thereof plus TSC's normal markup for overhead and profit.

4. CLIENT'S DUTY TO NOTIFY ENGINEER: Client represents and warrants that Client has advised TSC of any known or suspected hazardous materials, utility lines and underground structures at any site at which TSC is to perform services under this Agreement. Unless otherwise agreed in writing, TSC's responsibility with respect to underground utility locations is to contact the Illinois Joint Utility Locating Information for Excavators for the location of public, but not private, utilities.

5. DISCOVERY OF POLLUTANTS: TSC's services shall not include investigation for hazardous materials as defined by the Resource Conservation Recovery Act, 42 U.S.C. § 6901, et. seq., as amended ("RCRA") or by any state or Federal statute or regulation. In the event that hazardous materials are discovered and identified by TSC, TSC's sole duty shall be to notify Client.

6. MONITORING: If this Agreement includes testing construction materials or observing any aspect of construction of improvements, Client's construction personnel will verify that the pad is properly located and sized to meet Client's projected building loads. Client shall cause all tests and inspections of the site, materials and work to be timely and properly performed in accordance with the plans, specifications, contract documents, and TSC's recommendations. No claims for loss, damage or injury shall be brought against TSC unless all tests and inspections have been so performed and unless TSC's recommendations have been followed.

TSC's services shall not include determining or implementing the means, methods, techniques or procedures of work done by the contractor(s) being monitored or whose work is being tested. TSC's services shall not include the authority to accept or reject work or to in any manner supervise the work of any contractor. TSC's services or failure to

perform same shall not in any way operate or excuse any contractor from the performance of its work in accordance with its contract. "Contractor" as used herein shall include subcontractors, suppliers, architects, engineers and construction managers.

Information obtained from borings, observations and analyses of sample materials shall be reported in formats considered appropriate by TSC unless directed otherwise by Client. Such information is considered evidence, but any inference or conclusion based thereon is, necessarily, an opinion also based on engineering judgment and shall not be construed as a representation of fact. Subsurface conditions may not be uniform throughout an entire site and ground water levels may fluctuate due to climatic and other variations. Construction materials may vary from the samples taken. Unless otherwise agreed in writing, the procedures employed by TSC are not designed to detect intentional concealment or misrepresentation of facts by others.

7. DOCUMENTS AND SAMPLES: Client is granted an exclusive license to use findings and reports prepared and issued by TSC and any sub-consultants pursuant to this Agreement for the purpose set forth in TSC's proposal provided that TSC has received payment in full for its services. TSC and, if applicable, its sub-consultant, retain all copyright and ownership interests in the reports, boring logs, maps, field data, field notes, laboratory test data and similar documents, and the ownership and freedom to use all data generated by it for any purpose. Unless otherwise agreed in writing, test specimens or samples will be disposed immediately upon completion of the test. All drilling samples or specimens will be disposed sixty (60) days after submission of TSC's report.

8. TERMINATION: TSC's obligation to provide services may be terminated by either party upon (7) seven days prior written notice. In the event of termination of TSC's services, TSC shall be compensated by Client for all services performed up to and including the termination date, including reimbursable expenses. The terms and conditions of these General Conditions shall survive the termination of TSC's obligation to provide services.

fifteen (15) days of payment from owner.

9. PAYMENT: Client shall be invoiced periodically for services performed. Client agrees to pay each invoice within thirty (30) days of its receipt. Client further agrees to pay interest on all amounts involved and not paid or objected to in writing for valid cause within sixty (60) days of the date of twelve (12%) per annum (or the maximum interest rate permitted by applicable law, whichever is the lesser) until paid and TSC's costs of collection of such accounts, including court costs and reasonable attorney's fees.

10. WARRANTY: TSC's professional services will be performed, its findings obtained and its reports prepared in accordance with these General Conditions and with generally accepted principles and practices. In performing its professional services, TSC will use that degree of care and skill ordinarily exercised under similar circumstances by members of its profession. In performing physical work in pursuit of its professional services, TSC will use that degree of care and skill ordinarily used under similar circumstances. This warranty is in lieu of all other warranties or representations, either express or implied. Statements made in TSC reports are opinions based upon engineering judgment and are not to be construed as representations of fact.

~~Should TSC or any of its employees be found to have been negligent in performing professional services or to have made and breached any express or implied warranty, representation or contract, Client, all parties claiming through Client and all parties claiming to have in any way relied upon TSC's services or work agree that the maximum aggregate amount of damages for which TSC, its officers, employees and agents shall be liable is limited to \$50,000 or the total amount of the fee paid to TSC for its services performed with respect to the project, whichever amount is greater.~~

~~In the event Client is unwilling or unable to limit the damages for which TSC may be liable in accordance with the provisions set forth in the preceding paragraph, upon written request of Client received within five days of Client's acceptance of TSC's proposal together with payment of an additional fee in the amount of 5% of TSC's estimated cost for its services (to be added to 5% of the amount actually billed by TSC for its services on the project at time of settlement), the limit on damages shall be increased to \$500,000 or the amount of TSC's fee, whichever is the greater. This charge is not to be construed as being a charge for insurance of any type, but is increased consideration for the purpose to an award of greater damages.~~

11. INDEMNITY: Subject to the provisions set forth herein, TSC and Client hereby agree to indemnify and hold harmless each other and their respective shareholders, directors, officers, partners, employees, agents, subsidiaries and division (and each of their heirs, successors, and assigns) from any and all claims, demands, liabilities, suits, causes of action, judgments, costs and expenses, including reasonable attorneys' fees, arising, or allegedly arising, from personal injury, including death, property damage, including loss of use thereof, due in any manner to the negligence of either of them or their agents or employees or independent contractors. In the event both TSC and Client are found to be negligent or at fault, then any liability shall be apportioned between them pursuant to their pro rata share of negligence or fault. TSC and Client further agree that their liability to any third party shall, to the extent permitted by law, be several and not joint. ~~The liability of TSC under this provision shall not exceed the policy limits of insurance carried by TSC.~~ Neither TSC nor Client shall be bound under this Indemnity agreement to liability determined in a proceeding in which it did not participate represented by its own independent counsel. The indemnities provided hereunder shall not terminate upon the termination or expiration of this Agreement, but may be modified to the extent of any waiver of subrogation agreed to by TSC and paid for by Client.

12. SUBPOENAS: TSC's employees shall not be retained as expert witnesses except by separate, written agreement. Client agrees to pay TSC pursuant to TSC's then current fee schedule for any TSC employee(s) subpoenaed by any party as an occurrence witness as a result of TSC's services.

13. OTHER AGREEMENTS: TSC shall not be bound by any provision or agreement (i) requiring or providing for arbitration of disputes or controversies arising out of this Agreement or its performance, (ii) wherein TSC waives any rights to a mechanics lien or surety bond claim; (iii) that conditions TSC's right to receive payment for its services upon payment to Client by any third party or (iv) that requires TSC to indemnify any party beyond its own negligence. These General Conditions are notice, where required, that TSC shall file a lien whenever necessary to collect past due amounts. This Agreement contains the entire understanding between the parties. Unless expressly accepted by TSC in writing prior to delivery of TSC's services, Client shall not add any conditions or impose conditions which are in conflict with those contained herein, and no such additional or conflicting terms shall be binding upon TSC. The unenforceability or invalidity of any provision or provisions shall not render any other provision or provisions unenforceable or invalid. This Agreement shall be construed and enforced in accordance with the laws of the State of Illinois. In the event of a dispute arising out of or relating to the performance of this Agreement, the breach thereof or TSC's services, the parties agree to try in good faith to settle the dispute by mediation under the Construction Industry Mediation Rules of the American Arbitration Association as a condition precedent to filing any demand for arbitration, or any petition or complaint with any court. Paragraph headings are for convenience only and shall not be construed as limiting the meaning of the provisions contained in these General Conditions.

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ATTACHMENT L (Optional)

SUMMARY OF PAYROLL BURDEN AND FIXED COSTS

	<u>% of Direct Productive Payroll</u>
Federal Insurance Contributions Act	_____
State Unemployment Compensation	_____
Federal Unemployment Compensation	_____
Workmen's Compensation Insurance	_____
Paid Holidays, Vacation, Sick Leave	_____
Bonus	_____
Pension	_____
Group Insurance	_____
TOTAL PAYROLL BURDEN & FRINGE COSTS	_____ %

NOTE:

A letter from IDOT with approval or provisional payroll burden / fringe and general / administrative expense rates must be attached (ATTACHMENT S) for verification of rates.

ATTACHMENT M (Required)

SUMMARY OF OVERHEAD AND INDIRECT COSTS

**CRAWFORD, MURPHY & TILLY, INC.
SUMMARY OF INDIRECT OVERHEAD COST
AUDITED CALENDAR YEAR 2019
AND PROVISIONAL 2019/2020**

CMT ACCOUNT NUMBER	ACCOUNT NAME	% OF DIRECT LABOR COSTS	
<u>PAYROLL BURDEN AND FRINGE BENEFITS</u>			
6151	FICA Tax	12.58%	
6102, 6103, 6170	Paid Time Off (Vacation, Holidays and Sick Leave)	15.94%	
6154, 6156, 6158	Group Medical, Life, Workers Comp, Disability and Unemployment Insurance	10.45%	
6159, 6160	Employee Retirement Plan Contributions	13.93%	52.90%
<u>GENERAL & ADMINISTRATIVE OVERHEAD EXPENSE</u>			
6104-6119	Indirect Salaries - Not Allocable to Projects	66.27%	
6222, 6264	Miscellaneous Taxes	1.03%	
6231	Professional Fees	3.39%	
6251	Rent	11.52%	
6252	Utilities	0.84%	
6271	Telephone & Data	2.96%	
6253-6254	Maintenance, Repairs & Supplies	1.91%	
6261-6265	Office Supplies, Shipping & Reproduction	1.58%	
6281, 6284	Seminars, Registration & Education	2.84%	
6291,92,95,6321-23	Travel & Vehicle Expense	4.41%	
6331, 6332	Business Insurance	3.01%	
6351,52,61,62,69	Equipment Expense, Repairs & Maintenance	1.58%	
6366, 6367, 6368	Computer Expense & Supplies	8.74%	
6371,6372,6381,6382	Maps, Reference Books, Engineering & Survey Supplies	0.64%	
6401+COFC	Depreciation & Cost of Facilities Capital (0.52%)	5.23%	115.95%
TOTAL OVERHEAD			<u>168.85%</u>

NOTE: A letter from IDOT with approval or provisional payroll burden / fringe and general / administrative expense rates must be attached (ATTACHMENT S) for verification of rates.

ATTACHMENT N

PROJECT CERTIFICATION

Airport: _____

Letting Date: _____

IL Project No.: _____

Federal Project No.: _____

Contract No: _____

Project Description: _____

Pursuant to Federal Aviation Regulations, Part 152, as amended, and as a condition to receiving any Federal and/or State financial assistance through a Grant Offer from the FAA and/or the State of Illinois - Department of Transportation for the proposed airport development project, it is hereby represented, to the best of our knowledge, information, and belief that:

1. The Consultant has been selected to provide the necessary professional services for the project described herein and identified in the Professional Services Request For Qualifications (RFQ).
Selection Date (Required): _____ Copy of Retainer attached (ATTACHMENT U).
2. Project is clearly delineated on the currently approved Airport Layout Plan.
Approval Date (Required): _____.
3. Project is environmentally cleared. CatEx EA EIS FONSI
Approval Date (Required): _____.
4. All Corps/EPA permits and other regulatory agency reviews/approvals/mitigation have been satisfied and there are no known encumbrances to the completion of the project.
 Yes No.
5. Plans were prepared in accordance with FAA approved standards and advisory circulars; and, the specifications were prepared in accordance with the FAA approved *Illinois Standard Specifications For Construction Of Airports*, along with the Division of Aeronautics' most current Policy Memorandums and "Handout" Specifications, except as noted by attached Modification of Standards (MOS) which has been addressed and justified in the engineering report and submitted to and approved by the FAA and Engineer of Design. Yes No.
Approval Date of MOS (If applicable): _____.
6. The design conforms to the approved project scope. Yes No.
7. Provisions have been included for safety during construction (per guidance explained in FAA AC 150/5370-2F (or current) Operational Safety on Airports during Construction). Yes No.
8. The plans, special provisions and quantities have been thoroughly checked in accordance with best management practices by the Consultant for accuracy and consistency, and are in conformance with AC 150/5300-13 (latest edition). All contract deliverables referenced in Section I.F. DELIVERABLES have been submitted, received and determined **acceptable**.
 Yes No.

Date _____

By: _____
Design Engineer (Consultant)

Date _____

By: _____
Sponsor

Date _____

By: _____ P.E.
Department Design Engineer

Date _____

By: _____ P.E.
Engineer of Design

ATTACHMENT O

DBE FINAL DOCUMENTATION



Prime Consultant

Name _____
Address _____
Telephone _____

Subject

Airport _____
Illinois Project No. _____
Federal Project No. _____

DBE Subconsultant

Name _____
Address _____
Telephone _____

Contract Amounts

Consultant Contract Amount _____
DBE Contract Amount _____
DBE Participation (%) _____

This documentation verifies the services provided and the amount paid to the DBE Subconsultant on the above captioned contract. The undersigned certifies that the services reported herein were executed by the DBE, that the DBE actually provided the services and that the services reported herein conform to the services reported in the approved Professional Services Agreement together with any amendments approved by the Sponsor and/or Division as applicable.

Description of Service Provided	Contract Amount	Amount Paid	Difference (+/-)
1.			
2.			
3.			
4.			
5.			
6.			
Totals			

DBE Contract amount has been met or exceeded [] Yes [] No (*check one*).

DBE Contract amount not met – Shortfall \$ _____ (*documentation explaining shortfall attached*).

Prime Consultant

DBE Subconsultant

Print Name

Title

Signature

Date

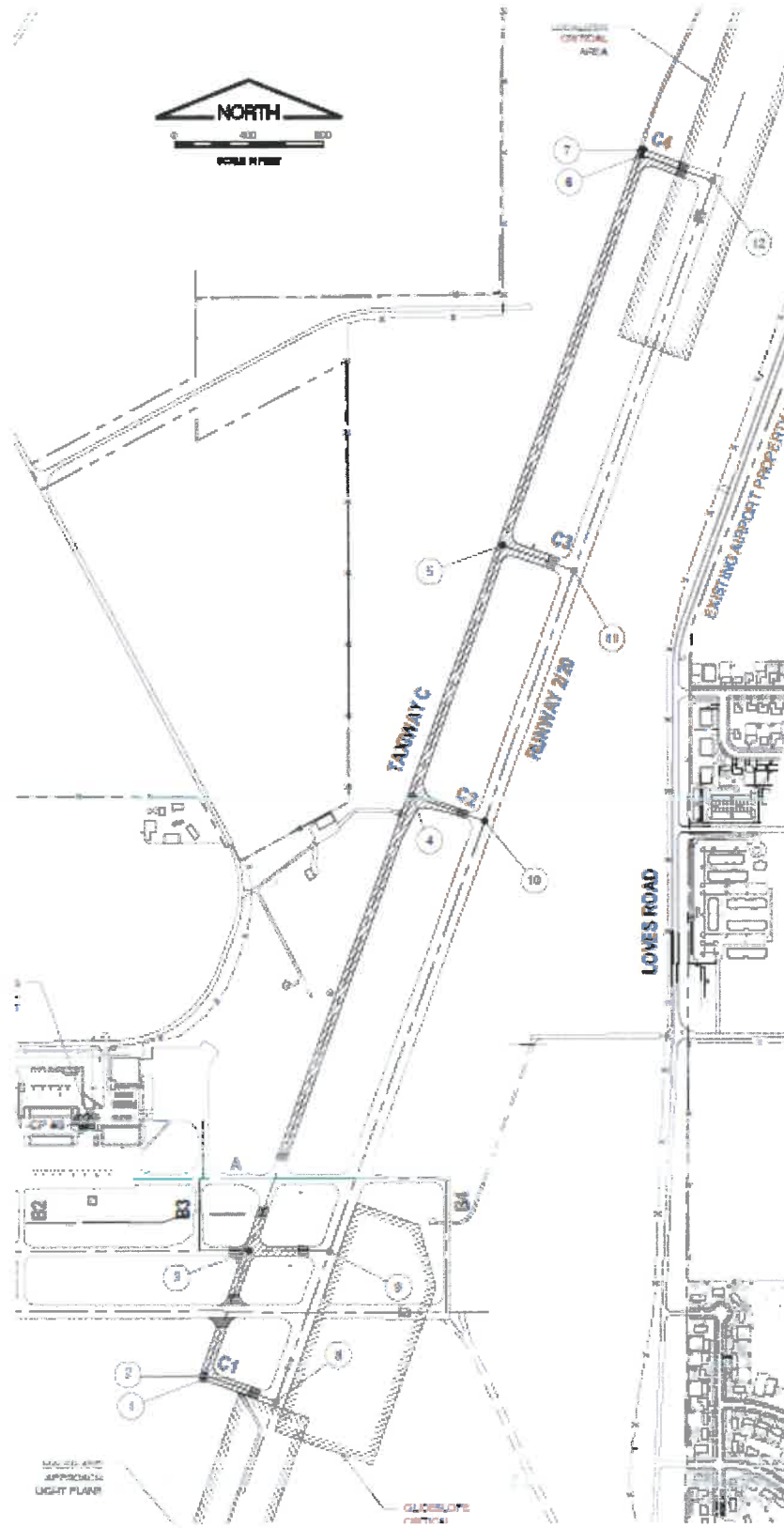
Print Name

Title

Signature

Date

ATTACHMENT P
PROJECT SKETCH



ATTACHMENT Q

PROJECT LETTING SCHEDULE

PRELIMINARY PROJECT SCHEDULE

The proposed anticipated project schedule is as follows. An updated project schedule will be established at the pre-design conference and included within the Engineering Report. The schedule is contingent upon reasonable response and reviews being provided the consultant prior to each subsequent delivery date.

<u>Schedule Item</u>	<u>Anticipated Duration</u>	<u>Due Date</u>
Pre-Design Meeting	-	February 16, 2021
Engineering Report (35%) (IDA granted extension)	5 Weeks	March 12, 2021
Agency/Owner Review of Des. Rpt 35% Comments	2 Weeks	March 26, 2021
Develop Preliminary Plans & Specifications (80%)	8 Weeks	May 7, 2021
Agency/Owner Review of 80% Plans Comments	2 Weeks	May 21, 2021
Develop Final Plans & Specifications (100%)	2 Weeks	June 4, 2021
Service Bulletin	3 Weeks	June 25, 2021
IDOT Letting	-	July 30, 2021
Award Date	-	October 29, 2021

It is agreed that delays in the consultant receiving agency comments and approvals beyond the review period presented will result in a revised, mutually agreeable schedule for subsequent submittals.

**ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF AERONAUTICS
2021 LETTING SCHEDULE WITH ASSOCIATED REGRESSIVE DATES**

22 Week Project Development Timeline (154 Calendar Days)				IDOT Letting Date	Anticipated Award Date	Anticipated Start to Work Date
START (0%)	35%	80%	100%			
<i>Pre-design Meeting Target Date</i>	<i>Engineering Report to IDA for Comments</i>	<i>*Sealable Plans and Specifications to IDA for Comments</i>	<i>Approved and Sealed Final Plans and Specifications to IDA</i>			
15-Nov-2019	10-Jan-2020	20-Mar-2020	17-Apr-2020	12-Jun-2020	11-Sep-2020	09-Oct-2020
03-Jan-2020	28-Feb-2020	08-May-2020	05-Jun-2020	31-Jul-2020	30-Oct-2020	01-May-2021
21-Feb-2020	17-Apr-2020	26-Jun-2020	24-Jul-2020	18-Sep-2020	18-Dec-2020	01-May-2021
10-Apr-2020	05-Jun-2020	14-Aug-2020	11-Sep-2020	06-Nov-2020	05-Feb-2021	01-May-2021
12-Jun-2020	07-Aug-2020	16-Oct-2020	13-Nov-2020	15-Jan-2021	16-Apr-2021	14-May-2021
07-Aug-2020	02-Oct-2020	11-Dec-2020	08-Jan-2021	05-Mar-2021	04-Jun-2021	02-Jul-2021
25-Sep-2020	20-Nov-2020	29-Jan-2021	26-Feb-2021	23-Apr-2021	23-Jul-2021	20-Aug-2021
13-Nov-2020	08-Jan-2021	19-Mar-2021	16-Apr-2021	11-Jun-2021	10-Sep-2021	08-Oct-2021
01-Jan-2021	26-Feb-2021	07-May-2021	04-Jun-2021	30-Jul-2021	29-Oct-2021	01-May-2022
19-Feb-2021	16-Apr-2021	25-Jun-2021	23-Jul-2021	17-Sep-2021	17-Dec-2021	01-May-2022

ATTACHMENT R

OP&P PROGRAM LETTER



Illinois Department of Transportation

Office of Planning and Programming
2300 South Dirksen Parkway / Springfield, Illinois / 62764

August 9, 2020

Ms. Renee Riani
Airport Manager
DeKalb Taylor Municipal Airport
3232 Pleasant Street
DeKalb, IL 60115

Ms. Riani,

The Illinois Department of Transportation's Airport Improvement Program provides funding for projects at airports throughout the state to ensure the continuation of safe and efficient operations at these facilities and maximize opportunities for economic development in Illinois.

The project detailed herein was selected for your airport based on project requests submitted to the Department during the Transportation Improvement Program (TIP) meetings. This IDOT FY- 2021 Airport Improvement Program is based on Federal Aviation Administration (FAA) funding levels established in federal legislation which provide for a minimum of \$1 million in entitlement funds for primary airports and a maximum of \$150,000 entitlement funds for non-primary airports. Federal legislation calls for a maximum 90% federal participation. As such, the state and local match will be 5% each for all projects which are eligible for state funding. All other federal projects which are not eligible for state funds will require a minimum 10% local match.

Funding for the Illinois Airport Improvement Program is dependent upon receipt of Federal funds and legislative authorization of state appropriations. In addition, proposed development and land acquisition must be shown on an approved ALP, have cleared environmental processing, and the land already acquired or have a signed purchase agreement. For projects seeking Federal Discretionary Funds projects, these requirements must be completed, and evidence of completion provided to Aeronautics by October 1, 2020, before a project can be considered for funding.

The Department and the Airport Sponsor hereby specifically agree that they shall pay the above defined percentages of all project costs. In addition, the GRANTEE shall pay such additional project costs which exceed the sum of the GRANTOR's funds and the Federal funds, as are herein committed for this Project. In the event your project exceeds these budget totals, the Sponsor may elect to pay any additional project costs which exceed the total sum of state and federal funds as planned and programmed to complete the project. If additional funds are deemed necessary post award, an amendment to the Agency Agreement with the Department must be developed and approved by the Department and the FAA before any additional funding may be allocated.

In the event the Illinois General Assembly fails to appropriate funds, or sufficient funds are otherwise not made available for these projects, the Airport Sponsor will be required to pay the state and local costs as itemized below. This will include any amount which exceeds the totals listed.

Projects were selected based on the FAA's National Priority System as well as other state and local priorities. The Department has programmed the following project to be included in the IDOT FY 2021 Proposed Airport Improvement Program for your airport:

The project "Rehabilitate Taxiway C" will be funded as follows:

Federal Non-Primary Discretionary Funds	\$1,092,000
Federal Non-Primary Entitlement Funds	\$150,000
State Match	\$69,000
Local Match	\$69,000
<hr/> Total Project Cost	<hr/> \$1,380,000

* If this project is seeking AIP Federal Discretionary Funds from the Federal Aviation Administration (FAA) until such time the funds are received by the Department this project is not guaranteed.

The Office of Intermodal Project Implementation (Aeronautics) letting schedule for construction projects must be strictly followed to ensure projects are advertised and brought to letting in an organized manner. The letting schedule allows for 30 weeks to develop a project from the date of the pre-design meeting to the letting.

To ensure eligibility of professional services for state and federal funding participation, you are required to satisfy the qualifications based selection process and enter into a retainer agreement, or professional services A/E agreement with the consultant of record selected for the project prior to any costs being incurred. This should take place prior to the project initiation/pre-design meeting. Aeronautics will facilitate this process, as well as the initial development and review of fees.

The project contained in this letter is officially programmed for development provided all state and federal requirements have been met. It is now the Airport Sponsor's responsibility to initiate the professional services phase of the project. Please contact Aeronautics, either directly or through your consultant, to schedule a project initiation meeting.

Please contact Mr. Alan Mlacnik, P.E. – Bureau Chief of Airport Engineering at 217.785.4884 to initiate this project. Please initiate this project within 12 months of the date of this letter or this project will no longer be considered programmed. Projects are initiated by scheduling a pre-design meeting for design/construction projects or a project initiation meeting for planning and environmental projects.

ATTACHMENT S

**CURRENT IDOT PROVISIONAL PAYROLL BURDEN / FRINGE EXPENSE AND GENERAL /
ADMINISTRATIVE EXPENSE RATE LETTER**



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

January 11, 2021

**Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File**

Roger Driskell
CRAWFORD, MURPHY, & TILLY, INC.
2750 West Washington Street
Springfield, IL 62702

Dear Roger Driskell,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2019. Your firm's total annual transportation fee capacity will be \$97,600,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 168.85% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Bureau of Investigations and Compliance in a pre-award audit. Pursuant to 23 CFR 172.11(d), we are providing notification that we will post your company's indirect cost rate to the Federal Highway Administration's Audit Exchange where it may be viewed by auditors from other State Highway Agencies.


Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

Your firm is prequalified until December 31, 2020. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

Sincerely,
Jack Elston, P.E.
Bureau Chief
Bureau of Design and Environment

ATTACHMENT T

CONSULTANT'S PRELIMINARY ESTIMATE OF PROBABLE CONSTRUCTION COSTS

PRELIMINARY (35% Estimate) OPINION OF PROBABLE CONSTRUCTION COSTS					
PROJECT: Rehabilitate Taxiway C					
AIRPORT: DeKalb Municipal Airport DeKalb, Illinois	BY: CRAWFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS 550 NORTH COMMONS DRIVE, SUITE #116, Aurora, IL 60504				
AIP PROJ.: 3-17-SBGP-TBD	DATE: 3/12/2021				
IL PROJ.: DKB-4875					
			ENGINEER'S ESTIMATE		
ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
AR125941	ADJUST STAKE MOUNTED LIGHT	EACH	30	\$ 600.00	\$ 18,000.00
AR150510	ENGINEER'S FIELD OFFICE	L.S.	1	\$ 20,000.00	\$ 20,000.00
AR150520	MOBILIZATION	L.S.	1	\$ 63,443.25	\$ 63,443.25
AR152450	SHOULDER ADJUSTMENT	S.Y.	17,900	\$ 3.00	\$ 53,700.00
AR155510	SILT FENCE	L.F.	13,000	\$ 3.50	\$ 45,500.00
AR155520	INLET PROTECTION	EACH	16	\$ 250.00	\$ 4,000.00
AR401610	BITUMINOUS SURFACE COURSE - 2"	TON	5,275	\$ 85.00	\$ 448,375.00
AR401620	BITUMINOUS SURFACE COURSE, LEVELING	TON	175	\$ 150.00	\$ 26,250.00
AR401630	BITUMINOUS SURFACE TEST SECTION	EACH	1	\$ 12,500.00	\$ 12,500.00
AR401650	BITUMINOUS PAVEMENT MILLING	S.Y.	45,575	\$ 2.50	\$ 114,187.50
AR401655	BUTT JOINT CONSTRUCTION	S.Y.	3,600	\$ 7.00	\$ 25,200.00
AR401915	REMOVE & REPLACE BITUMINOUS PAVEMENT	S.Y.	2,500	\$ 75.00	\$ 187,500.00
AR503510	BITUMINOUS TACK COAT	GAL.	13,700	\$ 2.50	\$ 34,250.00
AR503520	PAVEMENT MARKINGS - WATERBORNE	S.F.	12,175	\$ 3.00	\$ 36,525.00
AR705944	ADJUST UNDERDRAIN CLEANOUT	EACH	10	\$ 1,100.00	\$ 11,000.00
AR803517	CONSTRUCTION ENTRANCE	EACH	2	\$ 5,000.00	\$ 10,000.00
AR801510	SEEDING	ACRE	3.7	\$ 5,500.00	\$ 20,350.00
AR905515	HEAVY DUTY HYDRAULIC MULCH	ACRE	3.7	\$ 4,500.00	\$ 16,650.00
SUBTOTAL OF ESTIMATED CONSTRUCTION COSTS =					\$ 1,135,830.75
DESIGN PHASE ENGINEERING =					\$ 92,000.00
SPECIAL SERVICES =					\$ 4,800.00
CONSTRUCTION PHASE ENGINEERING =					\$ 140,000.00
IEPA PERMIT FEE =					\$ 750.00
DESIGN PROGRESSION =					\$ 5,619.25
ESTIMATE OF TOTAL PROJECT COST =					\$ 1,380,000.00

ATTACHMENT U

RETAINER AGREEMENT

Exhibit A – Scope of Services

*Including Illinois Department of Transportation – Division of
Aeronautics and Federal Aviation Administration Standard
Conditions*

WHEREAS, the Owner intends to sponsor the accomplishment of a development program in stages of the public air navigation facilities known as the DeKalb Taylor Municipal Airport located in Latitude 41°56'01.8" N, Longitude 88° 42'20.5" W, in DeKalb County, State of Illinois; and

WHEREAS, the development program shall include projects described as:

1. Preparation of necessary applications, environmental documentation, airspace request and other documentation for FAA and IDOT DOA grant funding for projects within the 5-year Transportation Improvement Proposal.
2. Land acquisition/land acquisition reimbursement, including various plat preparation, such as appraisal plats, easements, plats of survey, etc., clear zone obstructions surveys, technical advice, and environmental site assessments.
3. Replace Existing VASI units on Runway Ends 2, 20 and 27 with PAPI Units.
4. Technical Assistance including Environmental Evaluations, Engineering review and consultation for the Reimbursement Request for the Purchase of the Snow Removal Equipment (SRE) Building – Phase 1 and 2.
5. Crack Repair and Remark Runway 2/20 including Rehabilitation evaluation and design for Runway 2/20 including lead-in connecting Taxiways.
6. Removal and Replacement or Rehabilitation of existing Aircraft Parking Aprons.
7. Overlay, Rehabilitation and Restore crown and grade for Runway 2/20 including lead-in connecting Taxiways.
8. Remove and Replace Perimeter Security Fencing.
9. Rehabilitation of T-Hangar Taxiway pavements, Parking Lots, Roads and Aprons, Phases 1, 2 and 3.
10. Airport Utility Relocation Design and Development, Various Phases. Develop preliminary engineering and plans for the relocation of necessary utilities on the airport including the accommodation of future Airport Developments.
11. Enlarge Existing 1st Detention Basin and Construct 2nd Detention basin to accommodate future development including stormwater design, evaluation and engineering.
12. Preliminary Engineering, Site Engineering for future Hangar development and expansion.
13. Relocation of Pleasant Street including alignment, engineering and plan development to accommodate East Frontal Area development.
14. Expand large aircraft parking apron including engineering for the necessary construction of the apron and any connecting taxiways.

WHEREAS, the Department of Transportation, Division of Aeronautics, State of Illinois, is authorized Agent of the Owner under the proposed development program (it shall be hereinafter referred to as the "Division");

WHEREAS, the Engineer agrees to furnish an executed "Certification of Engineer" and certain professional engineering services enumerated hereinafter, in connection with the aforesaid development project.

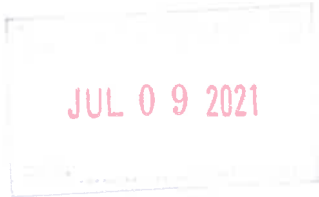
I. ENGINEERING SERVICES

The Engineer agrees to furnish and perform the various professional engineering services required for the preparation of the above reference construction project as follows:

(A.) The Planning Phase

1. Upon request by the Owner, the Engineer agrees to attend meetings and provide any professional advice, guidance and assistance in planning for the projects included in

A. 1



July 7, 2021

Renee Riani
Airport Manager
DeKalb Taylor Municipal Airport
3232 Pleasant Street
DeKalb, Illinois 60115

*Re: 20024803.00/08 DeKalb Taylor Municipal Airport
DeKalb, Illinois
IL Project: DKB-4875
SBG Project: 3-17-SBGP-TBD
Mill and Overlay Taxiway C
Agreement for Design/Special Services Phase Engineering*

Dear Renee:

Enclosed are three (3) copies of the agreement for design/special services phase engineering on the above referenced project for review and execution. Upon execution of the agreement, please retain one (1) copy for your records and return the other two (2) copies to our office.

Should you have questions or require additional information, please contact our office

Respectfully Submitted,

CRAWFORD, MURPHY & TILLY, INC.

Doug Klonowski, P.E.
Vice President/Aurora Office Co-Manager

Encls. (DPS/SS Agreement)
c: CMT – Contract File 20024803.00/08

*Mailed
8-10-21*

R 2021-067



September 20, 2021

Renee Riani
Airport Manager
DeKalb Taylor Municipal Airport
3232 Pleasant Street
DeKalb, Illinois 60115

*Re: 20024803.06 DeKalb Taylor Municipal Airport
DeKalb, Illinois
IL Project: DKB-4875
SBG Project: 3-17-SBGP-171
Mill and Overlay Taxiway C
Agreement for Construction Phase Engineering Services*

Dear Renee:

Enclosed are three copies of the agreement for construction phase engineering services on the above referenced project for review and signature. Upon execution of the agreement, please retain one (1) copy for your records and return the other two (2) copies to our office.

Should you have questions or require additional information, please contact our office.

Respectfully Submitted,

CRAWFORD, MURPHY & TILLY, INC.

Doug Klonowski, P.E.
Vice President/Aurora Office Co-Manager

Encls. (CPS Agreement)

c: CMT – Contract File 20024803.06

Mailed 9/20/21
S.T.

**STANDARD AGREEMENT FOR CONSULTANT SERVICES AT ILLINOIS AIRPORTS
FOR ARCHITECTURAL/ENGINEERING (A/E), PLANNING AND SPECIAL SERVICES**

Authorized for use by
The Illinois Department of Transportation
Division of Aeronautics
Effective: June 2012

- | | |
|--|---|
| <input type="checkbox"/> Preliminary Assessment and Schematic Design | <input checked="" type="checkbox"/> Construction Phase Services |
| <input type="checkbox"/> Design Phase Services | <input type="checkbox"/> Planning and Special Services |

THIS AGREEMENT, made at DeKalb, Illinois, this 11th day of October
in the year 2021 by and between the City of DeKalb (hereinafter
referred to as the "Sponsor"), and Crawford, Murphy and Tilly, Inc.
(hereinafter referred to as the "Consultant"). This Agreement expires 5 years from the date of execution.

WITNESSETH

The Sponsor intends to undertake the accomplishment of a project pursuant to the development of a public air navigation facility known as the DeKalb Taylor Municipal Airport (DKB) in DeKalb County, state of Illinois; and the project shall be identified as the Illinois Project No. DKB-4875; AIP Project No. 3-17-SBGP- 171; The following is the detailed project title and description from the Illinois Department of Transportation's Office of Planning and Programming (OP&P) program letter which shall be carried through the development of the project (attach supplemental information as necessary in Section I.H., Detailed Scope of Services):

Mill and Overlay Taxiway C

A detailed sketch of the proposed work, labeled ATTACHMENT P, shall be attached.

In consideration of the benefits which will accrue to the parties hereto by virtue of the Agreement and the respective covenants herein contained, IT IS MUTUALLY COVENANTED AND AGREED as follows:

The Consultant agrees to furnish executed "Certification of Engineer" and certain professional engineering services enumerated herein-after, in connection with the implementation and development of the aforesaid project.

The Department of Transportation, Division of Aeronautics within the state of Illinois shall act as Agent of the Owner/Sponsor for all matters involving the development of any public air navigation facility by virtue of the Illinois Aeronautics Act. The Illinois Aeronautics Act requires and directs the Illinois Department of Transportation, Division of Aeronautics (hereinafter referred to as the "Department") to "*regulate and supervise aeronautics within this state*", with "*aeronautics*" defined as "...*the design, establishment, construction, extension, operation, improvement, repair or maintenance of airports...*". The Department shall not expend any funds appropriated, or made available for any work upon any such project that is not contracted for and constructed or developed under the supervision or direction of the Department. Financial assistance may include reimbursement to eligible airport Sponsors for engineering costs directly related to projects financed in whole or in part by federal/state monies provided such engineering costs were approved by the Department prior to the payment of these costs by the airport Sponsor. The approval of engineering costs prior to payment shall qualify those costs for federal/state reimbursement but shall not constitute an obligation of federal/state funds.

Since the services contemplated under this Agreement are professional in nature, it is understood that the Consultant, acting as an individual, partnership, firm or other legal entity, is of professional status and will be governed by professional ethics in their relationship to the Department and the Sponsor. The Department acknowledges the professional and ethical status of the Consultant by approving this Agreement and the associated fees for federal/state eligibility (either in whole or part) on the basis of their qualifications and experience and determining their compensation by mutually satisfactory negotiations.

Any additions/deletions, revisions/modifications to this Agreement without the expressed written consent of the Department shall void this Agreement as it relates to state and federal funding participation eligibility.

I. ARCHITECTURAL/ENGINEERING (A/E), PLANNING AND SPECIAL SERVICES

The Consultant agrees to perform various professional engineering and planning services and provide necessary and required information pursuant to the accomplishment of the above referenced project.

It is understood that meetings will be common to all phases. The Consultant will coordinate project kick-off, pre-design and pre-construction meetings and project status update meetings, as required, in order to resolve project issues with the Department, Sponsor and/or other regulatory and review agencies. The Department shall be notified of scheduled agency meetings and given the opportunity to participate. Meetings for which effort will be billed shall be thoroughly documented by minutes with copies distributed to the Sponsor and the Department within 10 days of the meeting. Failure to properly document meeting discussions could result in the loss of part or all of the professional services compensation eligibility associated with this activity.

A. PRELIMINARY ASSESSMENT AND SCHEMATIC DESIGN – Not included in agreement

This phase includes activities required for agency coordination and permit development, non-routine surveys, testing and architectural/engineering preliminary design considerations of a project. Elements of this phase may include development of architectural schematic building designs and reports, non-routine geological and field investigations (soil borings and pavement cores), DCP testing, FWD testing (when used to evaluate pavement as part of a strengthening project), coordination of FAA reimbursable agreements, coordination of utility relocation agreements, coordination of force account activity (must be pre-approved by the Department in writing).

The Consultant shall furnish and/or perform engineering reconnaissance necessary for the preparation and development of an engineering report, bidding documents (design plans and specifications) including topographic field surveys, crack surveys, and sampling and testing for routine soils investigations (in accordance with ATTACHMENT J – Testing Schedule & ATTACHMENT K – Testing Rates & Cost Summary).

This phase will culminate in the submittal of a detailed engineering report with project alternatives and design recommendations and project completion timeline assessment.

The Consultant shall furnish an engineering report in accordance with standard practices and the provisions of ATTACHMENT E – Engineering Report. The report will include an analysis of preliminary surveys, geotechnical testing and alternative designs and include final project design recommendations.

The project completion timeline assessment will identify necessary effort required to complete the final project design (complete construction plans and specifications). This phase of project development will represent approximately 35% of the project design timeline. Project formulation should be consistent with the TIP submittal and the program letter project description (ATTACHMENT R). If not, identify components that have changed as a result of the preliminary assessment and schematic design analysis.

A detailed scope of services shall be attached with anticipated labor effort and costs delineated in ATTACHMENTS A / A1.

B. DESIGN PHASE SERVICES – Not included in agreement

This phase shall include activities required to accomplish a project design in accordance with the established Aeronautics letting schedule project design timeline and approved letting date determined at the pre-design meeting. Requests for time extensions beyond the previously agreed-to submittal deadline dates (as established in the Department's Letting Schedule, ATTACHMENT Q, and this Agreement) must be made to the Department in writing not less than 5 days prior to the due date of the submittal. The request for extension must be signed by a principal/officer of the Consultant's firm. Incomplete submittals will not be accepted.

Milestone submittals include the engineering report (at 35% design timeline), plan / spec review (at 80% design timeline) and final submittal of all deliverables (at 100% design timeline). A detailed scope of services shall be attached with anticipated labor effort and costs delineated in ATTACHMENTS B / B1. Elements of this phase may include:

1. CONSTRUCTION PLANS, SPECIAL PROVISIONS AND ESTIMATES

The Consultant shall prepare and furnish for Department review and comment construction plans, special provisions and construction Safety Plan (per guidance explained in FAA AC 150/5370-2F (or current) Operational Safety on Airports during Construction) at the 80% project design timeline with detailed estimate of costs, estimated DBE participation goal and working/calendar day flow chart, for the particular design authorized in this Agreement.

2. CLARIFICATION OF PLANS

The Consultant shall render clarification of the construction plans and specifications, when and if such clarification is deemed necessary.

3. BIDDING ASSISTANCE

The Consultant shall assist the Sponsor and/or Department in the bidding process, analyze and summarize bid results.

C. CONSTRUCTION PHASE SERVICES

This phase shall include all basic services after the award. A detailed scope of services shall be attached with anticipated labor effort and costs delineated in ATTACHMENTS C / C1.

1. OFFICE ENGINEERING

a. SHOP DRAWINGS

Review the detailed construction, shop and erection drawings submitted by the contractor(s) for compliance with design concepts.

b. SUPPLEMENTARY SKETCHES

Preparation of elementary and supplementary sketches plus estimates required to resolve actual field conditions.

c. RECORD DRAWINGS

The Consultant shall prepare Record Drawings within thirty (30) days after the official Notification from the Department of the Official Acceptance of the Construction Work; and after approval by the Department, furnish said Department with one (1) set of such record drawings. The submittal format shall be in accordance with the current policies of the Department.

d. MATERIALS CERTIFICATION

Prior to reporting a pay item quantity for payment, the materials used and incorporated in, or associated with the pay item, shall be verified for specification compliance by the Consultant. The Consultant shall obtain and review all certifications and/or test results required by the policies of the Department and the Department's *Manual for Documentation of Airport Materials*. At the completion of, or any time prior to the completion of the final quantity of a pay item, the Consultant shall submit the aforementioned material certifications and/or test results, that were utilized for acceptance of material, to the Department for review and final approval. Prior to final payment of engineering services under this agreement, the Consultant shall have submitted required certifications and test results to the Department, and the Consultant shall have signed the Department's MATERIALS CERTIFICATION FORM.

2. FIELD ENGINEERING

a. RESIDENT ENGINEER APPROVAL

The Consultant agrees to furnish the name and qualifications of the Resident Engineer in writing for approval of the participating agencies prior to the preconstruction conference that shall attend said preconstruction conference and shall perform the various professional engineering services required of the Resident Engineer in 2.b. thru 2.f. below and inspection of construction.

b. DAILY DIARY

The Resident Engineer shall maintain a daily diary. Copies shall be forwarded to the Department (ATTACHMENT F).

c. DUTIES OF RESIDENT ENGINEER

Furnish full time (unless part time is approved by the Sponsor and/or Department) Resident Engineering of construction including project inspection, field testing, and furnish surveying at the site of the work, whose duties shall include all reasonable, proper and customary duties as are usually and customarily furnished in connection with the general engineering of construction of such improvements, including but not limited to the following:

- i. Performance of acceptance and quality assurance tests when required by Department policy and/or contract specification. Examples of these tests include but are not limited to: Testing concrete for slump and air content; testing concrete for strength; testing bituminous concrete pavement for density using the nuclear method and using the Bulk Specific Gravity Method. Obtaining representative samples of miscellaneous materials such as paint, geotextile fabric, joint sealer, epoxy, polyester resin, etc. for testing as necessary, and/or as directed by the Department; performance of field density tests of earthwork embankments, backfills and subgrade; field density tests of subbase and base courses, and moisture content tests on materials where applicable; and, laboratory proctor tests where applicable. Test Reports shall be submitted to the Department within three (3) working days of the date the test was conducted.
- ii. Inspection/Measurement/Oversight of construction to determine that the work was completed in substantial conformance with the approved plans and specifications, and in compliance with the requirements set forth in the contract documents. All stop or start work orders shall be issued by the Department; the Resident Engineer shall recommend the orders. Document pay item quantities reported for pay in accordance with the latest revision of the Department's *Airport Construction Documentation Manual*.
- iii. Preparation and forwarding to the Department of periodic project reports required by the Department. Bi-weekly construction reports will be submitted to the Department, within three (3) calendar days of the end of the contractor's work week.
- iv. To obtain and review for specification compliance, material certifications and/or test results for all materials prior to their use in the construction.
- v. To reject for inclusion in the project, any materials that are delivered without certification and/or test results, or materials delivered with certification that has been found to be in noncompliance, or any defect found through visual inspection which renders the material unsuitable for inclusion in the project. The Department shall be notified when any rejections are made. Materials that are delivered without certification and/or test results may be stockpiled or

stored in a manner acceptable to the Resident Engineer until such time as the certification and/or test result arrive and are reviewed and accepted by the Resident Engineer.

- vi. Preparation of Reports required per the Sponsor's NPDES permit while providing on-site services, retaining all support documentation.
- vii. Participate in audits performed to determine that the project is proceeding accordingly per the plans and specifications and adhering to AIP grant requirements.

d. FINAL INSPECTION

Initiate a request, upon substantial completion of all construction work, for a final inspection by the Department. When necessary, a punch list of uncompleted items and electrical checklist (if applicable) on the project shall be established at the final inspection. Submit a final acceptance letter (punch list complete) which shall certify to the Department and the Sponsor that, to the best of the Consultant's knowledge, information and belief, the work involved has been done in substantial conformance with the plans, specifications, and Contract Document, as the same shall have been modified, or supplemented by change order, supplementary contract or otherwise, and that such work is acceptable.

e. SAFEGUARD THE SPONSOR

Endeavor to safeguard the Sponsor against any defects and deficiencies on the part of the Contractor. The Resident Engineer does not guarantee the performance of the contract by the Contractor, except that the Resident Engineer shall ensure that, to the best of the Resident Engineer's knowledge, information and belief, the work has been done in substantial conformance with the approved plans and specifications and advise the Sponsor and/or the Department in writing of any known noncompliance set forth in the contract. This does not in any way mean that the Resident Engineer is a guarantor of the Contractor's work. The Resident Engineer assumes no responsibility for safety in, on or about the job site, nor shall the Resident Engineer have any responsibility for the safety or adequacy of any equipment, building component, scaffolding, forms or other work aids provided by the contractor; nor is the Resident Engineer responsible for the superintendence of the contractor's work or any acts of the contractor.

f. OTHER ENGINEERING SERVICES

Furnish other Engineering Services which may be required by the Sponsor, including surveys, sub-surface investigations, sampling, testing, and analysis of soils, offsite inspection of materials, laboratory testing, and inspection and control at central mixing plants. Where tests must be conducted by commercial laboratories, only those laboratories approved by the Department will be utilized. If any of these services are conducted by outside firms, the Resident Engineer shall submit copies of the executed contract for such services as specified in Section III.B., of this Agreement. The charges for such services shall be specified in the contract and will remain in effect until completion of the services and acceptance by the Consultant. Certified copies of the results of all tests required by the Department under this paragraph are to be mailed to the Department within five (5) calendar days after the tests are completed.

g. FINAL QUANTITIES

Final quantities associated with the accepted construction work shall be submitted to the Department within thirty (30) days after final acceptance of the construction work.

D. PLANNING AND SPECIAL SERVICES – Not included in agreement

This phase may involve activities or studies unrelated to or outside of the scope of basic design and construction phase engineering services routinely performed by the Consultant. Those activities may include master plan and airport layout plan development, environmental studies and assessments, PCI surveys, FWD testing (when used to evaluate pavement as part of a publication revision), first-order NGS monument surveys, boundary surveys, aeronautical surveys, photogrammetric surveys and topographic mapping, preparation of property ownership plats and easements, appraisal and land acquisition services, benefit / cost analysis studies, RSA determination studies, drainage studies and analyses, FEMA/FIRM map revisions and GIS updates. A detailed scope of services shall be attached with anticipated labor effort and costs delineated in ATTACHMENTS D / D1.

E. ENDORSEMENT OF DOCUMENTS

The Consultant will endorse and seal all final draft reports, contract plans, maps, right of way plats, and special provisions for construction contract documents. Such endorsements must be made by a person, duly licensed or registered in the appropriate category by the Department of Financial and Professional Regulation of the state of Illinois, being employed by the Consultant and responsible for the portion of the services for which license registration is required. These sealed documents will serve as the record documents for the services covered by the terms of the Agreement.

F. DELIVERABLES

At a minimum, the Consultant shall provide the Department (copy Sponsor upon request) the following deliverables:

1. Final project estimate of costs complete w/ professional services fees and sponsor reimbursement estimates.
2. DBE participation goal and breakout of DBE work.
3. QA verification of ELM Engineers Estimate for Schedule of Prices.
4. Calendar day estimate of construction and detailed breakout of critical work items and associated production rates.
5. One set of final construction plans (half-size) and special provisions – sealed by the Consultant and executed by the Sponsor.
6. One copy of the construction Safety Plan (per guidance explained in FAA AC 150/5370-2F (or current) Operational Safety on Airports during Construction).
7. Original executed Consultant Project Certification (ATTACHMENT N).
8. Executed DBE Final Documentation (ATTACHMENT O).
9. Electronic copy/access of all information (via CD, electronic submittal or ftp site).

G. NOTICE-TO-PROCEED (NTP)

The Consultant shall not commence any phase of the work until the “official notice-to-proceed” (NTP) has been issued in writing either by the Sponsor or Department (via Office of Planning and Programming).

Services to be performed by the Consultant under this Agreement shall become eligible for funding participation consideration as of the date of the written NTP. The execution date of the consultant retainer agreement or the execution date of a consultant agreement for a single project after consultant selection if not included within the retainer agreement, shall constitute the NTP. The Consultant shall schedule a project phase kick-off meeting (pre-design, pre-construction, etc) with the Sponsor and the Department at the earliest possible convenience upon the Sponsor's receipt of this letter.

For projects not covered by a program letter or with program letter pending, the Sponsor is fully liable for all costs incurred as a result of such authorization pending future reimbursement once the project is programmed and a program letter is issued. The Sponsor/Consultant is required to schedule a project phase kick-off meeting (pre-design, pre-construction, etc) with the Sponsor and the Department at the earliest possible convenience.

A copy of the program letter shall be included as ATTACHMENT R of this Agreement.

In the absence of a written, dated notice-to-proceed, the execution date of this Agreement shall be used to determine the eligibility of service dates.

The Sponsor and the Department are not liable, and shall not authorize payment to the Consultant, for any services performed prior to the date of notice to proceed or the execution of this Agreement (whichever takes precedent). All effort, regardless of the notice-to-proceed authorization, is subject to review and eligibility funding determination.

H. DETAILED SCOPE OF SERVICES

Under this agreement the Engineer will provide construction phase services as provided for the project as described herein as **Mill and Overlay Taxiway C**.

The construction phase engineering effort contained within this agreement has been based on the following additional scope related parameters, understanding of proposed improvements and anticipated level of effort:

- I. Anticipated May 2, 2022 Start of Contractor Work and Completion Date of June 21, 2022.
- II. No winter shutdown is anticipated for this project
- III. Assume 10 hours per day worked by the Contractor
- IV. Assume Contractor work schedule of 5-6 days/week for the 52 calendar day duration. Calendar time yields 42 working days for the Contractor.
- V. Engineering effort based on anticipated Contractor working days as follows: 42 working days of full-time inspection at 10 hours per day. An additional assistant inspector/resident engineer will be onsite during paving days (anticipated 15 total days).
- VI. All Engineering effort is expected to be completed by September 1, 2022 (based on Contractor completion date).

The anticipated effort and estimated manhours for each Task is defined within Attachments C, C-1, C-2 and C-3 contained within this contract.

II. CONSULTANT COMPENSATION

The Sponsor agrees to pay the Consultant as compensation for rendering the professional services hereinabove described and submitted using the standard Department invoice forms (ATTACHMENTS G & H). Burden and overhead rates entered into this Agreement shall be in effect for the length of the agreement and will not be adjusted, except as may be determined under an audit of costs by the Auditor General or the Department. The rates used in this Agreement shall be the latest audited or provisional approved rates by IDOT as of the date of execution of this Agreement (approval letter must be attached). Should the rate change in the time between the final approval notification of fees and the execution of this Agreement, hours will be adjusted accordingly so that there is no increase in the final approved not-to-exceed amount.

Any professional services effort performed beyond the not-to-exceed limits expressed below, and for which a future amendment will be sought, will be performed under all Agreement provisions as the original contracted work. The dollar value of such effort is not considered approved for payment until review and approval by the Department.

A. PRELIMINARY ASSESSMENT AND SCHEMATIC DESIGN – Not included in agreement

For services outlined in Section I.A., Preliminary Assessment and Schematic Design, and further detailed in Section I.H., Detailed Scope of Services,

1. a lump sum payment of \$ N/A (representing approximately 35% of the total estimated professional services compensation for design phase services as determined from the TIP request). The fee shall be paid as a lump sum when the preliminary assessment and schematic design phase deliverables (outlined in Section I.A.) are approved and accepted by the Department.

B. DESIGN PHASE SERVICES – Not included in this Agreement

For services outlined in Section I.B., Design Phase Services, and further detailed in Section I.H., Detailed Scope of Services,

1. a cost plus a fixed payment of \$ N/A
total amount not to exceed \$ N/A unless a major change or addition to the scope of services is required by the Department or extensions of time are necessary for completion of the project. All justification for amendments shall be documented with effort recorded separate from the hours approved under this Agreement. All amendment requests must be supported by justification per Section III.M., Amendments to the Agreement. The payment of this fee shall be made in monthly installments submitted by the Consultant and approved by the Department. The final charges shall be submitted after the Design Phase Services have been performed, approved and all deliverables accepted by the Department in accordance with the guidance outlined in Section I.F. This period of time expires 30 days after award of the construction contract. Any submittal after this time shall not be considered eligible for payment / reimbursement by the Department unless extended by the Department.
2. a lump sum payment of \$ N/A unless a major change or addition to the scope of work is required by the Department or extensions of time are necessary for completion of the project. All justification for amendments shall be documented with effort recorded separate from the hours approved under this Agreement. All amendment requests must be supported by justification per Section III.M., Amendments to the Agreement. The fee shall be paid as a lump sum when the design phase deliverables (outlined in Section I.F.) are approved and accepted by the Department.

C. CONSTRUCTION PHASE SERVICES

For services outlined in Section I.C., Construction Phase Services, and further detailed in Section I.H, Detailed Scope of Services,

1. a cost plus a fixed payment of \$ \$13,400.00
total amount not to exceed \$ \$120,700.00 unless a major change or addition to the scope of work is required by the Department or extensions of time are necessary for completion of the project. All justification for amendments shall be documented with effort recorded separate from the hours approved under this Agreement. All amendment requests must be supported by justification per Section III.M., Amendments to the Agreement. The payment of this fee shall be made in monthly installments submitted to and approved by the Sponsor (and/or Department if applicable). The final charges shall be as soon as possible after official notification from the Consultant of the acceptance of the construction work. A time line will be submitted at each billing cycle after 50% which will indicate a projection of the completed engineering fee vs. the contractor's progress.

If more than one contract exists for the project, the monthly invoices submitted by the Consultant shall detail the amounts of work accomplished under each separate contract. The invoices shall also indicate the dates that the services were performed. If these

services are furnished by the Consultant by obtaining such services outside the Consultant's organization, the Consultant shall be reimbursed at his actual cost for obtaining these services. However, the total payment to the Consultant shall be within the "not to exceed" amount as previously stated unless an amendment to this agreement is approved by the Sponsor (and/or Department if applicable).

D. PLANNING AND SPECIAL SERVICES – Not included in this Agreement

For services outlined in Section I.D., Planning and Special Services, and further detailed in Section I.H., Detailed Scope of Services,

1. a cost plus a fixed payment of \$ _____ **N/A**

total amount not to exceed \$ _____ **N/A** unless a major change or addition to the scope of work is required by the Department or extensions of time are necessary for completion of the project. All justification for amendments shall be documented with effort recorded separate from the hours approved under this Agreement. All amendment requests must be supported by justification per Section III.M., Amendments to the Agreement. The payment of this fee shall be made in monthly installments submitted to and approved by the Sponsor. The final charges for the Special Services Phase shall be submitted within forty-five (45) days after official notification from the Consultant of the acceptance of the construction work or within 45 days after official notification from the Department of acceptance of other non-construction projects unless extended by the Department.

2. a lump sum payment of \$ _____ **N/A** unless a major change or addition to the scope of work is required by the Department or extensions of time are necessary for completion of the project. All justification for amendments shall be documented with effort recorded separate from the hours approved under this Agreement. All amendment requests must be supported by justification per Section III.M., Amendments to the Agreement. The fee shall be paid as a lump sum when the deliverables are approved and accepted by the Department.

III. SPECIAL CONDITIONS

The Consultant shall render the services in accordance with generally accepted Professional Standards.

A. TERMINATION

(Reference: 49 CFR Part 18.36(i)(2); FAA Order 5100.38)

The Sponsor, by written seven (7) day notice, may terminate this agreement in whole or in part at any time, because of the failure of the other party to fulfill his agreement obligations. Upon receipt of such notice, the Consultant shall: (1) immediately discontinue all services affected (unless the notice directs otherwise), and (2) deliver to the Sponsor all data, drawings, specifications, reports, estimates, summaries and such other information and materials as may have been accumulated by the Consultant in performing this agreement whether completed or in process.

1. If the termination is due to the failure of the Consultant to fulfill his agreement obligations, the Sponsor may take over the work and prosecute the same to completion by agreement or otherwise. In such case, the Consultant shall be liable to the Sponsor for any additional cost occasioned to the Sponsor thereby.
2. If, after notice of termination for failure to fulfill agreement obligations, it is determined that the Consultant had not so failed, the termination shall be deemed to have been effected for the convenience of the Sponsor.

3. It is hereby understood and agreed that should the agreement be terminated, the Consultant shall be entitled to and shall receive a fee based on the amount of work accomplished and approved by the Department up to the day of notification of termination. The fee shall be equal to the sum of the actual number of man-hours of each category of work applied at a negotiated hourly rate, plus any outside services approved by the participating agencies and accomplished prior to the notification. If terminated under Section III.HH., Breach of Contract Terms, the Consultant will not be entitled to profit on the work accomplished.

B. CHANGE IN CONSTRUCTION PLANS

It is hereby understood and agreed that if the construction plans are completed in accordance with criteria and/or decisions made by the Sponsor (and/or the Department if applicable), and approved by the Department, and said construction plans are substantially changed or revised, for any reason other than the fault of the Consultant in preparing same, then the Consultant shall be entitled to compensation for rendering the services necessary to complete the changes. The amount of this fee shall be negotiated between the Sponsor, Consultant and the Department, and approved by the Department, and an amendment to the agreement should be accomplished prior to authorizing the Consultant to proceed with the changes. The fee shall be due and payable when the revisions are approved by the Sponsor and the Department.

It is the Consultants responsibility to notify the Department as soon as possible when changes/revisions are identified that are beyond the scope of services contemplated under this Agreement.

C. HOLD HARMLESS

The Consultant shall be responsible to pay for all labor, material and equipment costs incurred and for any and all damages to property or persons to the proportionate extent arising out of the negligent performance of services under this agreement and shall indemnify and save harmless the Sponsor, (and/or the Department if applicable), their officers, agents and employees from all third party suits, claims, actions or damages of any nature whatsoever to the proportionate extent resulting there from. These indemnities shall not be limited by the listing of any insurance coverage. If any errors, negligent acts and/or omissions are made by the Consultant in any phase of the work under this agreement, the correction of which may require additional field or office work, the Consultant will be promptly notified and will be required to perform such additional services as may be necessary to correct these errors, negligent acts and/or omissions without undue delay and without additional cost to the Sponsor (and/or the Department if applicable). The Consultant shall be responsible for any damages incurred as a result of his errors, negligent acts and/or omissions and for any losses or cost to repair or remedy construction as a result of his errors, omission and/or negligent acts, to the extent such error, omission or negligent act breaches the Professional Standard of care. The Consultant shall not be responsible for any consequential damages of the Sponsor or the Department. Neither the Consultant, nor the Sponsor, nor the Department shall be obligated for the other parties' negligence or for the negligence of others.

D. DRAWING OWNERSHIP

It is further mutually agreed by the parties hereto that reproducible copies of the drawings, computer disks, tracings, construction plans, specifications and maps prepared or obtained under the terms of the contract shall be delivered to and become the property of the Sponsor and basic survey notes and sketches, charts, computations and other data shall be made available upon request of the Sponsor. If any information is used by the Sponsor or another Consultant such use or reuse by the Sponsor or others shall be at the sole risk and without liability or legal exposure to the Consultant.

E. CONTRACT FOR OUTSIDE SERVICES

If any of the services outlined in Section I. are furnished by the Consultant by obtaining such services outside the Consultant's organization, the Consultant shall provide an executed contract between the person(s) or firm and the Consultant outlining the services to be performed and the charges for the same. Two (2) copies of the executed contract shall be submitted to the participating agencies for approval prior to the services being performed; all covenants and Special Conditions shall be included and binding on all subcontracts.

F. FORMERLY NOTICE TO PROCEED (See Section I.G.)

G. SUBLET AGREEMENT

Each party binds himself, his partners, successors, executors, administrators and assigns, to the other part of this agreement and to the partners, successors, executors, administrators and assigns for such other party at all covenants of this Agreement.

Except as above, neither the Sponsor nor the Consultant shall assign, sublet or transfer his interest in this agreement without the written consent of the other party hereto.

H. AGREEMENT EXPIRES

This agreement expires upon final approval and acceptance of the completed project(s) by the Sponsor (and/or Department as applicable), and after all final engineering charges have been paid to the Consultant as of the date of project close-out or after five years from the date of execution, whichever comes first. Payment liability by the State is as outlined above (see Section I.G., Notice to Proceed and Section II., Consultant Compensation).

I. EQUAL EMPLOYMENT OPPORTUNITY

(Reference: 49 CFR Part 21; FAA AC 150/5100-15A or latest revision)

The Consultant agrees to conduct the services in compliance with all the requirements imposed by or pursuant to Title VI of the Civil Rights Act of 1964, Part 21 of the Regulations of the Secretary of Transportation, and Executive Order No. 11246, "Equal Employment Opportunity," as amended.

During the performance of this contract, the Consultant, for itself, its assigns and successors in interest (hereinafter referred to as the "Consultant") agrees as follows:

1. Compliance with Regulations. The Consultant shall comply with the Regulations relative to nondiscrimination in federally assisted programs of the Department of Transportation (hereinafter, "DOT") Title 49, Code of Federal Regulations, Part 21, as they may be amended from time to time, (hereinafter referred to as the Regulations), which are herein incorporated by reference and made a part of this contract.
2. Nondiscrimination. The Consultant, with regard to the work performed by it during the contract, shall not discriminate on the grounds of race, color, or national origin in the selection and retention of subconsultants, including procurements of materials and leases of equipment. The Consultant shall not participate either directly or indirectly in the discrimination prohibited by Section 21.5 of the Regulations, including employment practices when the contract covers a program set forth in Appendix B of the Regulations.
3. Solicitations for Subcontracts, Including, Procurements of Materials and Equipment. In all solicitations either by competitive bidding or negotiation made by the Consultant for work to be performed under a subcontract, including procurements of materials or leases of equipment, each potential subconsultant or supplier shall be notified by the Consultant of

the Consultant's obligations under this contract and the Regulations relative to nondiscrimination on the grounds of race, color, or national origin.

4. Information and Reports. The Consultant shall provide all information and reports required by the Regulations or directives issued pursuant thereto and shall permit access to its books, records, accounts, other sources of information and its facilities as may be determined by the sponsor or the Federal Aviation Administration (FAA) to be pertinent to ascertain compliance with such Regulations, orders, and instructions. Where any information required of a Consultant is in the exclusive possession of another who fails or refuses to furnish this information, the Consultant shall so certify to the sponsor or the FAA, as appropriate, and shall set forth what efforts it has made to obtain the information.
5. Sanctions for Noncompliance. In the event the Consultant's noncompliance with the nondiscrimination provisions of this contract, the sponsor shall impose such contract sanctions as may determine to be appropriate, including, but not limited to:
 - a. withholding of payments to the Consultant under the contract until the Consultant complies, and/or
 - b. cancellation, termination, or suspension of the contract, in whole or in part.

Incorporation of Provisions. The Consultant shall include the provisions of paragraphs 1 through 5 (above) in every subcontract, including procurement of materials and leases of equipment, unless exempt by the Regulations or directives issued pursuant thereto. The Consultant shall take such action with respect to any subcontract or procurement as the sponsor may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided, however, that in the event an Consultant becomes involved in, or is threatened with, litigation with a subconsultant or supplier as a result of such direction, the Consultant may request the sponsor and/or Department to enter into such litigation to protect the interests of the sponsor and, in addition, the Consultant.

DISADVANTAGED BUSINESS ENTERPRISE (DBE) ASSURANCES

1. Policy. It is the policy of the Department of Transportation (DOT) that disadvantaged business enterprises as defined in 49 CFR Part 23 shall have the maximum opportunity to participate in the performance of contracts financed in whole or in part with Federal funds under this agreement. Consequently, the DBE requirements of 49 CFR Part 23 applies to this agreement.
2. DBE Obligation. The Consultant agrees to ensure that disadvantaged business enterprises as defined in 49 CFR Part 23 have the maximum opportunity to participate in the performance of contracts and subcontracts financed in whole or in part with Federal funds provided under this agreement. In this regard, all Consultants shall take all necessary and reasonable steps in accordance with 49 CFR Part 23 to ensure that disadvantaged business enterprises have the maximum opportunity to compete for and perform contracts. Consultants shall not discriminate on the basis of race, color, national origin, or sex in the award and performance of DOT-assisted contracts.

J. OPEN ACCESS TO DOCUMENTS

(Reference: 49 CFR Part 18.36(i); FAA Order 5100.38)
(Public Act 90-0572 Section 20-65; Public Act 87-991)

The Consultant shall maintain, for a minimum of 5 years after the completion of the contract, adequate books, records, and supporting documents to verify the amounts, recipients, and uses of all disbursements of funds passing in conjunction with the contract; the contract and all books, records, and supporting documents related to the contract shall be available for review and audit by the Auditor General; and the Consultant agrees to cooperate fully with any audit

conducted by the Auditor General and to provide full access to all relevant materials. Failure to maintain the books, records, and supporting documents required by this Section shall establish a presumption in favor of the State for the recovery of any funds paid by the State under the contract for which adequate books, records, and supporting documentation are not available to support their purported disbursement.

K. CERTIFICATION OF CAPACITY TO CONTRACT
(Public Act 90-0572, Section 50-13)

It is unlawful for any person holding an elective office in this State, holding a seat in the General Assembly, or appointed to or employed in any of the offices of State government, or who is an officer or employee of the Illinois Building Authority or the Illinois Toll Highway Authority, or who is the wife, husband or minor child of any such person, to have or acquire any contract, or any direct pecuniary interest in any contract therein, whether for stationery, printing, paper or for any services, materials or supplies, which will be wholly or partially satisfied by the payment of funds appropriated by the General Assembly of the State of Illinois or in any contract of the Illinois Building Authority or the Illinois Toll Highway Authority. Payments made for a public aid recipient are not payments pursuant to a contract with the State within the meaning of this Section.

It is unlawful for any firm, partnership, association or corporation in which any such person is entitled to receive more than 7 1/2% of the total distributable income to have or acquire any such contract or direct pecuniary interest therein.

It is unlawful for any firm, partnership, association or corporation in which any such person together with his spouse or minor children is entitled to receive more than 15%, in the aggregate, of the total distributable income to have or acquire any such contract or direct pecuniary interest therein.

Nothing in this Section invalidates the provisions of any bond or other security hereto or hereafter offered for sale or sold by or for the State of Illinois.

This Section does not affect the validity of any contract made between the State and an officer or employee of the State or member of the General Assembly, his spouse, minor child or any combination of such persons, if that contract was in existence before his election or employment as such officer, member, or employee. Such a contract is void, however, if it cannot be completed within 6 months after such officer, member, or employee takes office, or is employed.

This Section does not apply to (1) a contract for personal services as a teacher or school administrator between a member of the General Assembly or his spouse, or a State officer or employee or his or her spouse, and any school district, public community, college district, the University of Illinois, Southern Illinois University or any institution under the control of the Board of Governors of State Colleges and Universities or under the control of the Board of Regents or (2) a contract for personal service of a wholly ministerial character including but not limited to services as a laborer, clerk, typist, stenographer, page, bookkeeper, receptionist or telephone switchboard operator, made by a spouse or minor child of an elective or appointive State officer or employee or of a member of the General Assembly or (3) payments made to a member of the General Assembly, a State officer or employee, his or her spouse or minor child acting as a foster parent, homemaker, advocate, or volunteer for or in behalf of a child or family served by the Department of Children and Family Services.

Any person convicted of a violation of this Section shall be guilty of a business offense and shall be fined not less than \$1,000 nor more than \$5,000.

The appropriate Certification of Capacity to Contract will be executed in Section III.X., of this agreement.

L. THE CONSULTANT SELECTION

(Reference: 49 CFR Part 18; FAA AC 5100-14D or latest revision)
(30 ILCS 535; IDOT-Aeronautics Administrative Bulletin: 2010-02)

The City of DeKalb hereby certifies that it
(Sponsor)
has completed the prescribed qualifications based consultant selection procedures.

The firm of (Crawford, Murphy and Tilly, Inc.) of (Springfield, IL) has
(Consultant) (Location)
been selected to provide the engineering services required for the project on:

July 10, 2017

(Date)

A copy of the executed Retainer Agreement identifying the project covered by this Agreement is included as ATTACHMENT U.

M. AMENDMENTS TO THE AGREEMENT

All effort recorded to document a claim for additional compensation must be delineated separately from the original scope of services with personnel, classifications, dates worked, rates, hours and services thoroughly detailed and clearly identified.

The Department shall be notified of potential amendment requests at the earliest possible opportunity once it has been determined that any of the following three circumstances may exist. Any amendments to the Agreement which increases the fee or the time of performance must contain one of the following written determinations (with support documentation) depending upon the circumstances of the change.

1. The undersigned determine that the circumstances which necessitate this change were not reasonably foreseeable at the time the contract was signed.
2. The undersigned determine that the circumstances which necessitate this change were not within the contemplation of the contract as signed.
3. The undersigned determine that this change is in the best interest of the state of Illinois and is authorized by law.

Date

Sign Name

Print Name

Title

Any professional services effort performed beyond the not-to-exceed limits expressed in Section II. Consultant Compensation, and for which a future amendment will be sought, will be performed under all Agreement provisions as the original contracted work. The dollar value of such effort is not considered approved for payment until review and approval by the Department.

N. CERTIFICATION OF CONSULTANT

(Public Act 90-0572 Section 50-5)

I hereby certify that I am the Vice President (title) and duly authorized representative of the firm Crawford, Murphy & Tilly, Inc.

whose address is 2750 West Washington Street, Springfield, IL 62702 and that neither I nor the above firm I here represent has:

1. employed or retained for a commission, percentage, brokerage, contingent fee, or other consideration, any firm or person (other than a bona fide employee working solely for me or the above Consultant) to solicit or secure this Agreement,
2. agreed, as an express or implied condition for obtaining this contract, to employ or retain the services of any firm or person in connection with carrying out the Agreement, or
3. paid or agreed to pay to any firm, organization, or person (other than a bona fide employee working solely for me or the above Consultant) any fee, contribution, donation, or consideration of any kind for, or in connection with, procuring or carrying out the contract; except as here expressly stated (if any):

The firm certifies by execution:

1. it has not been convicted of bribery or attempting to bribe an officer or employee of the State of Illinois, nor has the firm made an admission of guilt of such conduct which is a matter of record, nor has an official, agent, or employee of the firm committed bribery or attempted bribery on behalf of the firm and pursuant to the direction or authorization of a responsible official of the firm, nor has the firm been barred from being awarded a contract or subcontract.
2. it has not been barred from contracting with a unit of state or local government as a result of a violation of the Criminal Code of 1961.

I acknowledge that this certification is to be furnished to the Federal Aviation Administration of the United States' Department of Transportation in connection with this contract involving participation of Airport Improvement Program (AIP) funds and is subject to applicable state and Federal laws, both criminal and civil.

October 11, 2021
Date


Sign Name

Douglas J. Kionowski, PE
Print Name

Vice President
Title

O. FEDERAL TAXPAYER IDENTIFICATION NUMBER

The following statement is made under penalty of perjury:

"The Firm's correct Federal Taxpayer Identification Number is 37-0844662
(I am) (This firm is) doing business as a (please check one):

Individual Partnership Corporation

P. DISADVANTAGED BUSINESS ENTERPRISE (DBE) PARTICIPATION

(Reference: 49 CFR Part 26)

Contract Assurance (§26.13) - The Consultant or subconsultant shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The Consultant shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of DOT assisted contracts. Failure by the Consultant to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy, as the recipient deems appropriate.

In keeping with the DBE plan adopted by the Sponsor, the Consultant shall take all necessary and reasonable steps to attain DBE participation in this contract.

The work for each subconsultant should be listed separately. If the subconsultant is being utilized to meet the project DBE goal, they must be prequalified in that category and certified as a DBE in that category. Please indicate that they are certified in that category. The certification list is available on the Department's website on the "Doing Business" menu under Small Business Enterprises and IL UCP directory <http://www.dot.il.gov/ucp/ucp.html#DBEDirectory>. The percent of work is computed based on the individual subconsultant's work effort in each category

Firm Name: _____ **N/A**

Subcontract Amount (\$): _____ **N/A**

Prequalification Category	% of Work	DBE Certification
_____	_____	_____
_____	_____	_____
_____	_____	_____

If more than one subconsultant is being used, attach additional sheets.

NOTE: All final payment requests shall include a completed ATTACHMENT O - DBE Final Documentation or the complete information on the Consultant's format.

Q. DISCRIMINATION

(Reference: 49 CFR Part 21; FAA AC 150/5100-15A or latest revision)
(Executive Order 11246 of September 24, 1965; 41 CFR Part 60)

The Consultant agrees not to commit unlawful discrimination in employment in Illinois and further agrees to take affirmative action to ensure that no unlawful discrimination is committed.

R. DUES/FEES TO CLUBS WHICH DISCRIMINATE

(775 ILCS 25/2 Source: P.A. 85-909)

The Consultant of the business entity certifies that it is not prohibited from selling goods or services to the State of Illinois because it pays dues or fees on behalf of its employees or agent or subsidizes or otherwise reimburses them for payment of their dues or fees to any club which unlawfully discriminates.

S. CONFLICT OF INTEREST

(Public Act 90-0572 Section 50-13)

The Consultant agrees to comply with the provision of the Illinois Public Act prohibiting conflict of interest and all the terms, conditions and provisions of those Sections apply to this contract

and are made a part of this contract the same as though they were incorporated and included herein.

T. FELONY CONVICTION

(Public Act 90-5072 Section 50-10)

The Consultant certifies that if he/she or the business entity has been convicted of a felony, at least five years has passed since the completion of the sentence as of the contract date.

U. ILLINOIS HUMAN RIGHTS NUMBER

The Consultant must have an Illinois Department of Human Rights prequalification number, or have an application on file with the Illinois Department of Human Rights office at the State of Illinois Center, Suite 10-100, 100 West Randolph, Chicago, Illinois 60601 (refer to Department of Human Rights form).

(#IDHR PC-1/IL 442-0010). IDHR # 93788-00.

V. EDUCATIONAL LOAN DEFAULT

(5 ILCS 385).

The Consultant certifies that, if this agreement is with an individual or individuals, that he/she is not in default on an educational loan.

W. DRUG FREE WORKPLACE

(30 ILCS 580).

If the Consultant has 25 or more employees, the following certification shall apply and, by signing this document, the Consultant certifies as follows:

1. The Consultant certifies that he will provide a drug free workplace in compliance with the Drug Free Workplace Act ("Act"). Specifically, Consultant certifies he will do the following:
 - a. Publish a statement:
 - i. Notifying employees that the unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance, including cannabis, is prohibited in the Consultants workplace.
 - ii. Specifying the actions that will be taken against employees for violations of such prohibition.
 - iii. Notifying the employee that, as a condition of employment on this agreement, the employee will:
 - 1) abide by the terms of the statement; and
 - 2) notify the employer of any criminal drug statute conviction for a violation occurring in the workplace no later than 5 days after such conviction.
 - b. Establish a drug free awareness program to inform employees about:
 - i. the dangers of drug abuse in the workplace;
 - ii. the Consultant policy of maintaining a drug free workplace;
 - iii. any available drug counseling, rehabilitation, and employee assistance programs; and
 - iv. the penalties that may be imposed upon employees for drug violations.
 - c. Give a copy of the statement described above to each employee engaged in the performance of the contract and post the statement in a prominent place in the workplace.
 - d. Notify the State within 10 days after receiving notice under part (a)(3)(B) above from an employer or otherwise receiving actual notice of such conviction.

- e. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program by, any employee who is so convicted, as required by §5 of the Act.
- f. Assist employees in selecting a course of action in the event drug counseling, treatment, and rehabilitation is required and indicate that a trained referral team is in place.
- g. Make a good faith effort to continue to maintain a drug free workplace through implementation of §3 of the Act.

If an individual, the Consultant further certifies that he will not engage in the unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance in the performance of the agreement.

X. CAPACITY TO CONTRACT
(Public Act 90-0572)

The Consultant certifies that the Corporation's certificate of Authority to do business in Illinois, is in good standing with the Secretary of State's Office.

CERTIFICATION OF CAPACITY TO CONTRACT

Public Act 90-0572 prohibits certain persons and entities from having or acquiring any contract with the State of Illinois and from having or acquiring any direct pecuniary interests in any contract with the State of Illinois, whether for materials, services, supplies, printing or stationery. This prohibition does not extend to certain contracts for personal services of a ministerial nature as provided for in the Act.

(Corporation)

The undersigned, being a duly authorized representatives of Crawford, Murphy and Tilly, Inc., a corporation, hereby certify that they have read Public Act 90-0572 Section 50-13 and that they have checked the records of the corporation and that no person who is entitled to receive individually more than 7 1/2% of the total distributable income of the corporation, or together with their spouse or minor child more than 15% of the total distributable income of the corporation, is (i) an elected State official, a member of the General Assembly, an appointed State officer, a State employee; (ii) an officer or employee of the Illinois Toll Highway Authority or of the Illinois Building Authority; or (iii) a spouse or a minor child of any such enumerated person.

11th day of October, AD, 2021

Crawford, Murphy & Tilly, Inc.
Corporation

BY 

BY 

Douglas J. Klonowski, PE, Vice President
Printed Name & Title

Brian R. Welker, PE, Sr Vice President & COO
Printed Name & Title

CERTIFICATION OF CAPACITY TO CONTRACT

Public Act 90-0572 prohibits certain persons and entities from having or acquiring any contract with the State of Illinois and from having or acquiring any direct pecuniary interests in any contract with the State of Illinois, whether for materials, services, supplies, printing or stationery. This prohibition does not extend to certain contracts for personal services of a ministerial nature as provided for in the Act.

(Partnerships and Non-Corporate Firms and Associations)

The undersigned, being each and every one of the partners/members/associates/(other) of

N/A

_____ , hereby certify on behalf of themselves individually, that they have read Public Act 90-0572 Section 50-13 and that (i) they are not an elected State official, a member of the General Assembly, an appointed State officer, a State employee; an officer or employee of the Illinois Toll Highway Authority or of the Illinois Building Authority; nor a spouse or minor child of any such enumerated person; or (ii) that they are such an enumerated person but that they are not entitled to receive individually more than 7 1/2% of the total distributable income of the partnership/firm/association, or together with their spouse or a minor child more than 15% of the total distributable income of the partnership/firm/association.

_____ day of _____, AD, 20_____

BY _____

BY _____

Printed Name & Title

Printed Name & Title

d/b/a _____
(Name)

Y. CERTIFICATION REGARDING LOBBYING

(Reference: 49 CFR Part 20, Appendix A)

Certification for Contracts, Grants, Loans and Cooperative Agreements.

The Consultant certifies compliance with Section 319 of Public Law 101-102 and to the best of his or her knowledge and belief, that:

1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an Officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying", in accordance with its instructions.
3. The undersigned shall require that the language of this certification be included in the award documents for all sub-awards at all tiers (including subcontracts, sub-grants, and contracts under grants, loans, and cooperative agreements) and that all sub-recipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, US Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

Z. INTERNATIONAL BOYCOTT

(Applicable to contracts in excess of \$10,000):

The Consultant certifies that neither it nor any substantially-owned affiliated company is participating or shall participate in an international boycott in violation of the provisions of the U.S. Export Administration Act of 1979 or the regulations of the U.S. Department of Commerce promulgated under that Act. The Consultant makes the certification set forth in Section 5 of the International Anti-Boycott Certification Act.

AA. NON-APPROPRIATION CLAUSE

Obligations of the State will cease immediately without penalty or further payment being required in any fiscal year the Illinois General Assembly fails to appropriate or otherwise make available sufficient funds for payment of this Agreement.

BB. DEBT CERTIFICATION

The Consultant certifies that it, or any affiliate, is not barred from being awarded a contract under 30 ILCS 500/50-11 and 50-12. The Consultant further acknowledges that the contracting State agency may declare the contract void if the preceding certification is false or if the contractor, or any affiliate, is determined to be delinquent in the payment of any debt to the State during the term of the contract.

CC. GOODS FROM CHILD LABOR ACT

The Consultant certifies in accordance with Public Act 94-0264 that no foreign made equipment, materials, or supplies furnished to the State under the contract have been produced in whole or in part by the labor of any child under the age of 12.

DD. QUALIFICATION BASED SELECTION ACT

(Reference: 49 CFR Part 18.36; FAA Order 5100.38; FAA AC 150/5100-14 (latest))

The parties hereby certify that there was compliance with the provisions of the State of Illinois' Architectural, Engineering and Land Surveying Qualifications Based Selection Act, Chapter 30 ILCS 535 in the procurement of the services covered by this Agreement.

EE. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION

(Reference: 49 CFR Part 29; FAA Order 5100.38)

The Consultant certifies, by submission of this proposal or acceptance of this contract, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency. It further agrees by submitting this Agreement that it will include this clause without modification in all lower tier transactions, solicitations, proposals, contracts, and subcontracts. Where the Consultant or any lower tier participant is unable to certify to this statement, it shall attach an explanation to this solicitation/proposal.

FF. RIGHTS TO INVENTIONS

(Reference: 49 CFR Part 18.36(i)(8); FAA Order 5100.38)

All rights to inventions and materials generated under this contract are subject to regulations issued by the FAA and the Sponsor of the Federal grant under which this contract is executed.

GG. TRADE RESTRICTION CLAUSE

(Reference: 49 CFR Part 30.13; FAA Order 5100.38)

The Consultant or subconsultant, by submission of an offer and/or execution of a contract, certifies that it:

1. is not owned or controlled by one or more citizens of a foreign country included in the list of countries that discriminate against U.S. firms published by the Office of the United States Trade Representative (USTR);
2. has not knowingly entered into any contract or subcontract for this project with a person that is a citizen or national of a foreign country on said list, or is owned or controlled directly or indirectly by one or more citizens or nationals of a foreign country on said list;
3. has not procured any product nor subcontracted for the supply of any product for use on the project that is produced in a foreign country on said list.

Unless the restrictions of this clause are waived by the Secretary of Transportation in accordance with 49 CFR 30.17, no contract shall be awarded to a Consultant or subconsultant who is unable to certify to the above. If the Consultant knowingly procures or subcontracts for the supply of any product or service of a foreign country on said list for use on the project, the Federal Aviation Administration may direct through the Sponsor cancellation of the contract at no cost to the Government.

Further, the Consultant agrees that, if awarded a contract resulting from this solicitation, it will incorporate this provision for certification without modification in each contract and in all lower

tier subcontracts. The Consultant may rely on the certification of a prospective subconsultant unless it has knowledge that the certification is erroneous.

The Consultant shall provide immediate written notice to the sponsor if the Consultant learns that its certification or that of a subconsultant was erroneous when submitted or has become erroneous by reason of changed circumstances. The subconsultant agrees to provide written notice to the contractor if at any time it learns that its certification was erroneous by reason of changed circumstances.

This certification is a material representation of fact upon which reliance was placed when making the award. If it is later determined that the Consultant or subconsultant knowingly rendered an erroneous certification, the Federal Aviation Administration may direct through the Sponsor cancellation of the contract or subcontract for default at no cost to the Government.

Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render, in good faith, the certification required by this provision. The knowledge and information of a contractor is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

This certification concerns a matter within the jurisdiction of an agency of the United States of America and the making of a false, fictitious, or fraudulent certification may render the maker subject to prosecution under Title 18, United States Code, Section 1001.

HH. BREACH OF CONTRACT TERMS

(Reference: 49 CFR Part 18.36)

Any violation or breach of terms of this contract on the part of the Consultant or their subconsultants may result in the suspension or termination of this contract or such other action that may be necessary to enforce the rights of the parties of this agreement. The duties and obligations imposed by the Contract Documents and the rights and remedies available thereunder shall be in addition to and not a limitation of any duties, obligations, rights and remedies otherwise imposed or available by law.

Policies and procedures for procurement of professional services are established in Federal Regulation Title 49 CFR Part 18, [Uniform Administrative Requirements for Grants and Cooperative Agreements](#). The Airport and Airway Improvement Act (AAIA) of 1982, as amended, serves as the enabling legislation. The parties agree that these policies and procedures have been followed.

IN WITNESS WHEREOF, the parties hereto have affixed their hand and seals at

DeKalb, Illinois, this October 11, 2021,
(city) (date) (year)

ATTEST:

(SEAL)



City of DeKalb
(Sponsor Name)

36-6005843
(Federal Employee's Identification Number)

BY

Ruth A. Scott, Executive Assistant
Printed Name & Title

BY

Cohen Barnes, Mayor
Printed Name & Title

ATTEST:

(SEAL)



CRAWFORD, MURPHY & TILLY, INC.
(Consultant Name)

37-0844662
(Federal Employee's Identification Number)

BY

Douglas J. Klonowski, PE Vice President
Printed Name & Title

BY

Brian R. Welker, PE, Sr. Vice President & COO
Printed Name & Title

LIST OF ATTACHMENTS

<u>ATTACHMENT A / A1</u> –	PRELIMINARY ASSESSMENT AND SCHEMATIC DESIGN PHASE SERVICES <u>ESTIMATE OF COSTS / SALARY EXPENSES</u>
<u>ATTACHMENT B / B1</u> –	DESIGN PHASE SERVICES <u>ESTIMATE OF COSTS / SALARY EXPENSES</u>
<u>ATTACHMENT C / C1</u> –	CONSTRUCTION PHASE SERVICES <u>ESTIMATE OF COSTS / SALARY EXPENSES</u>
<u>ATTACHMENT D / D1</u> –	PLANNING AND SPECIAL SERVICES <u>ESTIMATE OF COSTS / SALARY EXPENSES</u>
<u>ATTACHMENT E</u> –	ENGINEERING REPORT (General Guidance)
<u>ATTACHMENT F</u> –	RESIDENT ENGINEER’S DIARY (Standard Format)
<u>ATTACHMENT G</u> –	COST PLUS FIXED PAYMENT INVOICE (Standard Format)
<u>ATTACHMENT H</u> –	LUMP SUM INVOICE (Standard Format)
<u>ATTACHMENT I</u> –	EFFORT DETAIL BREAKDOWN (Standard Format)
<u>ATTACHMENT J</u> –	TESTING SCHEDULE
<u>ATTACHMENT K</u> –	TESTING RATES & COST SUMMARY
<u>ATTACHMENT L</u> –	SUMMARY OF PAYROLL BURDEN AND FRINGE COSTS
<u>ATTACHMENT M</u> –	SUMMARY OF OVERHEAD AND INDIRECT COSTS
<u>ATTACHMENT N</u> –	PROJECT CERTIFICATION
<u>ATTACHMENT O</u> –	DBE FINAL DOCUMENTATION
<u>ATTACHMENT P</u> –	PROJECT SKETCH
<u>ATTACHMENT Q</u> –	PROJECT LETTING SCHEDULE
<u>ATTACHMENT R</u> –	OP&P PROGRAM LETTER
<u>ATTACHMENT S</u> –	CURRENT IDOT PROVISIONAL PAYROLL BURDEN / FRINGE EXPENSE AND GENERAL / ADMINISTRATIVE EXPENSE RATE LETTER
<u>ATTACHMENT T</u> –	CONSULTANT’S PRELIMINARY ESTIMATE OF PROBABLE CONSTRUCTION COSTS
<u>ATTACHMENT U</u> –	RETAINER AGREEMENT

ATTACHMENT A

PRELIMINARY ASSESSMENT AND SCHEMATIC DESIGN PHASE SERVICES

ESTIMATE OF COSTS

<u>Category</u>	<u>Amount (\$)</u>
1. <u>Direct Salary Costs</u>	_____ (ATTACHMENT A-1)
2. <u>Labor and General and Administrative Overhead</u> ¹	_____
3. <u>Direct Nonsalary Expenses</u>	
Lodging ^{2,3}	_____
Meals/Per Diem ^{2,3}	_____
Transportation ²	_____
Materials & Supplies	_____
Printing	_____
CADD time ⁴	_____
Other Costs (excluding outside services)	_____
4. <u>Fixed Payment</u> ⁵	_____
5. <u>Outside Services</u>	_____
Lump Sum	
Total Amount Not to Exceed	\$ _____

Estimated cost of total professional design phase services from TIP: \$ _____

NOTES:

- 1/ A letter from IDOT with approval or provisional payroll burden / fringe and general / administrative expense rates must be attached (ATTACHMENT S) for verification of rates.
- 2/ Current approved rates established by State of Illinois - Governors Travel Control Board.
- 3/ Shall not be used in calculation of fixed payment amount.
- 4/ Maximum CADD rate shall be \$15.00/hour.
- 5/ Fixed Payment (Profit) = (14.5%) x [Direct Salary Costs + (OH&B) x (Direct Salary Costs) + Transportation + Materials & Supplies + Printing + CADD time + Other Costs (excluding outside services)].

ATTACHMENT A-1

PRELIMINARY ASSESSMENT AND SCHEMATIC DESIGN PHASE SERVICES

ESTIMATE OF SALARY EXPENSES

Classification*	Hours	\$Rate/Hour	Cost (\$)
Principal	_____	_____	_____
Vice Principal	_____	_____	_____
Project Manager	_____	_____	_____
Senior Project Engineer	_____	_____	_____
Senior Project Architect	_____	_____	_____
Project Engineer	_____	_____	_____
Project Architect	_____	_____	_____
Senior Engineer	_____	_____	_____
Senior Architect	_____	_____	_____
Engineer	_____	_____	_____
Planner	_____	_____	_____
Registered Land Surveyor	_____	_____	_____
Land Surveyor	_____	_____	_____
Senior Engineering Technician	_____	_____	_____
Engineering Technician	_____	_____	_____
Engineering Assistant	_____	_____	_____
CADD/Draftsman/Technician	_____	_____	_____
Clerical	_____	_____	_____
Total	_____	_____	_____
	(hours)	(average)	\$ (total direct salary costs) (ATTACHMENT A)

*Classifications may be adjusted as per Consultant's work force.

ATTACHMENT B

DESIGN PHASE SERVICES

ESTIMATE OF COSTS

<u>Category</u>	<u>Amount (\$)</u>
1. <u>Direct Salary Costs</u>	_____ (ATTACHMENT B-1)
2. <u>Labor and General and Administrative Overhead</u> ¹	_____
3. <u>Direct Nonsalary Expenses</u>	
Lodging ^{2,3}	_____
Meals/Per Diem ^{2,3}	_____
Transportation ²	_____
Materials & Supplies	_____
Printing	_____
CADD time ⁴	_____
Other Costs (excluding outside services)	_____
4. <u>Fixed Payment</u> ⁵	_____
5. <u>Outside Services</u>	_____
OR	
Cost Plus Fixed Payment Total Amount Not to Exceed	\$ _____
Lump Sum Total Amount Not to Exceed	\$ _____

Estimated Construction Cost: \$ _____ (ATTACHMENT T)

Attach a sketch labeled ATTACHMENT P in sufficient detail to clearly delineate the proposed areas of work

NOTES:

- 1/ A letter from IDOT with approval or provisional payroll burden / fringe and general / administrative expense rates must be attached (ATTACHMENT S) for verification of rates.
- 2/ Current approved rates established by State of Illinois - Governors Travel Control Board.
- 3/ Shall not be used in calculation of fixed payment amount.
- 4/ Maximum CADD rate shall be \$15.00/hour.
- 5/ Fixed Payment (Profit) = (14.5%)x[Direct Salary Costs + (OH&B)x(Direct Salary Costs) + Transportation + Materials & Supplies + Printing + CADD time + Other Costs (excluding outside services)].

ATTACHMENT B-1

DESIGN PHASE SERVICES

ESTIMATE OF SALARY EXPENSES

Classification*	Hours	\$Rate/Hour	Cost (\$)
Principal	_____	_____	_____
Vice Principal	_____	_____	_____
Project Manager	_____	_____	_____
Senior Project Engineer	_____	_____	_____
Senior Project Architect	_____	_____	_____
Project Engineer	_____	_____	_____
Project Architect	_____	_____	_____
Senior Engineer	_____	_____	_____
Senior Architect	_____	_____	_____
Engineer	_____	_____	_____
Planner	_____	_____	_____
Registered Land Surveyor	_____	_____	_____
Land Surveyor	_____	_____	_____
Senior Engineering Technician	_____	_____	_____
Engineering Technician	_____	_____	_____
Engineering Assistant	_____	_____	_____
CADD/Draftsman/Technician	_____	_____	_____
Clerical	_____	_____	_____
Total	_____	_____	\$ _____
	(hours)	(average)	(total direct salary costs) (ATTACHMENT B)

*Classifications may be adjusted as per Consultant's work force.

ATTACHMENT C

CONSTRUCTION PHASE SERVICES

ESTIMATE OF COSTS

DeKalb Taylor Municipal Airport

Mill and Overlay Taxiway C

Attachment C

Construction Phase

ESTIMATE OF COSTS

<u>CATEGORY</u>		<u>AMOUNT</u>
1 <u>Direct Salary Costs</u>		\$32,786.76
2 <u>Labor and General and Administrative Overhead</u> ¹	52.90%	\$17,344.20
3 <u>Direct Nonsalary Expenses</u>	115.95%	\$38,016.25
Lodging ^{2,3}		\$ -
Meals/Per Diem ^{2,3}		\$ -
Transportation ²		\$ 3,702.00
Materials & Supplies		\$ -
Printing		\$ 444.00
CADD time ⁴		\$ -
Other Costs (Excluding outside Services)		\$ 54.00
4 <u>Fixed Payment</u> ⁵		\$13,400.00
5 <u>Outside Services/Subconsultants</u>		\$15,000.00
Testing Service Corp. (Material Testing)	\$15,000.00	
	Cost Plus Fixed Payment	
	Total Amount Not to Exceed	\$120,747.21
Or	Use =	\$120,700.00

NOTES:

- 1/ A letter from IDOT with approval or provisional payroll burden / fringe and general / administrative expense rates must be attached (ATTACHMENT S) for verification of rates.
- 2/ Current approved rates established by State of Illinois - Governors Travel Control Board.
- 3/ Shall not be used in calculation of fixed payment amount.
- 4/ Maximum CADD rate shall be \$15.00/hour.
- 5/ Fixed Payment (Profit) = (14.5%) x [Direct Salary Costs + (OH&B) x (Direct Salary Costs) + Transportation + Materials & Supplies + Printing + CADD time + Other Costs (excluding outside services)].

ATTACHMENT C-1

CONSTRUCTION PHASE SERVICES

ESTIMATE OF SALARY EXPENSES

<u>CLASSIFICATION</u>	<u>TIME REQUIRED</u> <u>(HOURS)</u>	<u>HOURLY</u> <u>WAGE</u>	<u>SALARY</u> <u>EXPENSE</u>
PRINCIPAL	0	\$78.00	\$0.00
PROJECT ENGINEER II	48	\$66.95	\$3,213.60
PROJECT ARCHITECT II	0	\$55.15	\$0.00
PROJECT MANAGER II	0	\$59.40	\$0.00
PROJECT ENVIRONMENTAL SCIENTIST II	0	\$63.87	\$0.00
PROJECT STRUCTURAL ENGINEER II	0	\$76.47	\$0.00
PROJECT ENGINEER I	0	\$52.01	\$0.00
PROJECT MANAGER I	0	\$52.39	\$0.00
PROJECT ENVIRONMENTAL SCIENTIST I	0	\$54.67	\$0.00
PROJECT STRUCTURAL ENGINEER I	0	\$51.66	\$0.00
SENIOR ENGINEER I	542	\$38.62	\$20,932.04
SENIOR ARCHITECT I	0	\$44.96	\$0.00
TECHNICAL MANAGER II	0	\$47.46	\$0.00
SENIOR PLANNER I	0	\$40.83	\$0.00
GIS SPECIALIST	0	\$36.87	\$0.00
ENVIRONMENTAL SCIENTIST III	0	\$40.93	\$0.00
SENIOR STRUCTURAL ENGINEER II	0	\$50.87	\$0.00
SENIOR STRUCTURAL ENGINEER I	0	\$39.17	\$0.00
ENGINEER I	200	\$30.57	\$6,114.00
ARCHITECT I	0	\$27.87	\$0.00
ENVIRONMENTAL SCIENTIST II	0	\$33.78	\$0.00
STRUCTURAL ENGINEER I	0	\$30.22	\$0.00
PLANNER I	0	\$28.97	\$0.00
ENVIRONMENTAL SCIENTIST I	0	\$24.90	\$0.00
TECHNICAL MANAGER I	0	\$29.91	\$0.00
LAND SURVEYOR	8	\$42.88	\$343.04
SENIOR TECHNICIAN II	46	\$47.48	\$2,184.08
SENIOR TECHNICIAN I	0	\$37.19	\$0.00
TECHNICIAN II	0	\$31.13	\$0.00
TECHNICIAN I	0	\$26.27	\$0.00
PROJECT ADMINISTRATIVE ASSISTANT	0	\$25.58	\$0.00
ADMINISTRATIVE/ACCOUNTING ASSISTANT	0	\$20.40	\$0.00
		AVERAGE	
TOTAL	844	\$38.85	\$32,786.76

*Classifications may be adjusted as per Consultant's work force.

DeKalb Taylor Municipal Airport

Mill and Overlay Taxiway C

Attachment C-2

Construction Phase

Estimated Cost Breakdown Items 4, 5, 6 & 7

Item

4 MATERIALS AND SUPPLIES

Surveying Supplies (paint, lathe, stakes, etc)			\$	-
Drafting Media			\$	-
Misc. Equipment and Direct Project Supplies			\$	-
		Sub-Total	\$	-

5 TRAVEL

Travel Reimbursement	1125 miles@	\$ 0.560	\$	630.00
Vehicle Days	42 days@	\$ 65.00	\$	2,730.00
Other Subsistence & Tolls (\$6.00 @ 57 days)			\$	342.00
		Sub-Total	\$	3,702.00

6 PRINTING

Full Size Prints (32 sheets - 5 sets)	160 sheets@	\$ 2.40	\$	384.00
Photo-copies	300 sheets@	\$ 0.20	\$	60.00
		Sub-Total	\$	444.00

7 OTHER COSTS (EXCLUDING OUTSIDE SERVICES)

Photos/Developing			\$	-
Direct Project Shipping Expense			\$	54.00
Unassigned Misc Project Direct Expense			\$	-
		Sub-Total	\$	54.00

\$ 4,200.00

DeKalb Taylor Municipal Airport

Mill and Overlay Taxiway C

Attachment C-3 Construction Phase Engineering Cost Estimate of Consultant Services (By Task)

Phase #	Element of Work	Hours	Ave Hourly Rate	Total Direct Labor	% of Total Labor	Principal	Project Engineer II	Project Manager I	Senior Engineer I	Engineer I	Land Surveyor	Senior Technician II	Senior Technician I	Project Administrative Assistant
Construction Phase														
6000	Office Engineering (per C.1)	82	\$50.79	\$4,164.50	12.70%	0	38	0	30	12	0	2	0	0
	6001 Project Management (1-1/2 hr/week)	12	\$66.95	\$803.40	2.45%	0	12	0	0	0	0	0	0	0
	6002 Airport and IDA Coordination (1 hour/week)	12	\$57.51	\$690.08	2.10%	0	8	0	4	0	0	0	0	0
	6003 Periodic Site Reviews (1 visit every 3 weeks - 4 hrs per visit)	12	\$66.95	\$803.40	2.45%	0	12	0	0	0	0	0	0	0
	6004 Subconsultant Coordination and Management	14	\$50.76	\$710.66	2.17%	0	6	0	8	0	0	0	0	0
	6005 Shop Drawing/Materials/Mix Design Review and IDA Coordination (approx. 2 hours/item - 10 items plus support staff time) (per C.1.a)	20	\$34.60	\$691.90	2.11%	0	0	0	10	10	0	0	0	0
	6006 Contractor schedule review and IDA coordination	4	\$38.62	\$154.48	0.47%	0	0	0	4	0	0	0	0	0
	6007 Respond to Request for Information and Supplemental Sketches (per C.1.b)	4	\$39.03	\$156.10	0.48%	0	0	0	0	2	0	2	0	0
	6008 Correspondence with contractor, IDA and/or FAA	4	\$38.62	\$154.48	0.47%	0	0	0	4	0	0	0	0	0
	6009 Coordination of NOTAMs etc. with Airport Operations	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0
	6010 Technical Assistance during grant close-out	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0
6020	PreConstruction Preparation & Miscellaneous Advance Work	12	\$52.79	\$633.42	1.93%	0	6	0	6	0	0	0	0	0
6030	Permitting/Agency/Code Related Coordination	6	\$35.94	\$215.62	0.66%	0	0	0	4	2	0	0	0	0
6040	Surveying/Layout/Project Control	16	\$45.18	\$722.88	2.20%	0	0	0	0	0	8	8	0	0
6050	Resident Project Engineer and Assistants (per C.2)	632	\$37.16	\$23,483.86	71.63%	0	0	0	450	150	0	32	0	0
	6051 Full Time Daily Construction Observation (R.E. Est. 10 hrs. daily for 42 Working/Calendar days; Plus 1 Constr. Observers during paving; Parttime inspector for Measurement and Qty Checks - one day/2 weeks)	572	\$37.43	\$21,408.16	65.30%	0	0	0	420	120	0	32	0	0
	6052 Perform Wage Rate Interviews & Follow-up Info. Gather	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0
	6053 Monitor & Update Grant Financial Status (APMS) or Other Project Cost Allocations	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0
	6054 Monitor DBE Participation	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0
	6055 Materials Review/Certification and Coordination (per C.1.d)	60	\$34.60	\$2,075.70	6.33%	0	0	0	30	30	0	0	0	0
6060	Quality Assurance Engineer Effort - (Pre-pave meetings, test batch/strip) (401 Paving - 15 full time days paving)	24	\$35.94	\$862.48	2.63%	0	0	0	16	8	0	0	0	0
6070	Utility Coordination, Relocation, Protection and Effort	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0
6080	Final Inspection and Follow-up Action (per C.2.d)	20	\$41.87	\$837.42	2.55%	0	4	0	10	6	0	0	0	0
6090	Punchlist Completion/Project Closeout	32	\$34.60	\$1,107.04	3.38%	0	0	0	16	16	0	0	0	0
6100	Development of Record Drawings (per C.1.c)	10	\$40.55	\$405.54	1.24%	0	0	0	4	2	0	4	0	0
6110	Construction Documentation Close Out/Audit Rev.	10	\$35.40	\$354.00	1.08%	0	0	0	6	4	0	0	0	0
Totals		844	\$38.85	\$32,786.76	100.00%	0	48	0	542	200	8	46	0	0

ATTACHMENT D

PLANNING AND SPECIAL SERVICES

<u>Category</u>	<u>Amount (\$)</u>
1. <u>Direct Salary Costs</u>	_____ (ATTACHMENT D-1)
2. <u>Labor and General and Administrative Overhead</u> ¹	_____
3. <u>Direct Nonsalary Expenses</u>	
Lodging ^{2,3}	_____
Meals/Per Diem ^{2,3}	_____
Transportation ²	_____
Materials & Supplies	_____
Printing	_____
CADD time ⁴	_____
Other Costs (excluding outside services)	_____
4. <u>Fixed Payment</u> ⁵	_____
5. <u>Outside Services</u>	_____
	Cost Plus Fixed Payment
	Total Amount Not to Exceed \$ _____
OR	
	Lump Sum
	Total Amount Not to Exceed \$ _____

NOTES:

1/ A letter from IDOT with approval or provisional payroll burden / fringe and general / administrative expense rates must be attached (ATTACHMENT S) for verification of rates.

2/ Current approved rates established by State of Illinois - Governors Travel Control Board.

3/ Shall not be used in calculation of fixed payment amount.

4/ Maximum CADD rate shall be \$15.00/hour.

Fixed Payment (Profit) = (14.5%)x[Direct Salary Costs + (OH&B)x(Direct Salary Costs) + Transportation + Materials & Supplies + Printing + CADD time + Other Costs (excluding outside services)].

ATTACHMENT D-1

PLANNING AND SPECIAL SERVICES

ESTIMATE OF SALARY EXPENSES

Classification*	Hours	\$Rate/Hour	Cost (\$)
Principal	_____	_____	_____
Vice Principal	_____	_____	_____
Project Manager	_____	_____	_____
Senior Project Engineer	_____	_____	_____
Senior Project Architect	_____	_____	_____
Project Engineer	_____	_____	_____
Project Architect	_____	_____	_____
Senior Engineer	_____	_____	_____
Senior Architect	_____	_____	_____
Engineer	_____	_____	_____
Planner	_____	_____	_____
Registered Land Surveyor	_____	_____	_____
Land Surveyor	_____	_____	_____
Senior Engineering Technician	_____	_____	_____
Engineering Technician	_____	_____	_____
Engineering Assistant	_____	_____	_____
CADD/Draftsman/Technician	_____	_____	_____
Clerical	_____	_____	_____
Total	_____	_____	\$ _____ (total direct salary costs) (ATTACHMENT D)
	(hours)	(average)	

*Classifications may be adjusted as per Consultant's work force.

ATTACHMENT E

ENGINEERING REPORT (General Guidance)

The Engineering Report is to be prepared by the Consultant and submitted to the Sponsor and/or Department, if possible, prior to starting Plans and Specifications. The Report shall include, at a minimum, a discussion of the following elements which are applicable and any other elements deemed necessary by the Department:

1. Introduction, project overview and consistency with approved ALP, justification, scope, authorization, funding, required environmental actions and schedule.
2. Investigations and evaluations, including pavement history, PCI information, topographic survey data, soil sampling and testing, boring logs, CBR test results, subgrade stabilization considerations, and seasonal frost issues.
3. Pavement design considerations, including pavement types and/or alternates; any unusual design and reasons therefore, selection of design CBR value, traffic distribution, and reported pavement strength.
4. Rehabilitation, strengthening and/or overlay work shall be detailed as to the type of work required, including existing pavement conditions, material selection considerations, thickness design and economic analysis.
5. Construction features which vary from FAA criteria should be identified including the problem(s) facts, alternative solutions, and/ or desired solution. Is the desired solution the most economical?
6. Items such as materials sources, soils, drainage, water for construction, cost of land vs. development, contractor resources, available finances, and stage development. The report should say how these factors affected the decisions made by the Consultant in the design.
7. Explanation of drainage design criteria including explanation of drainage districts data INPUT and off-site drainage impact on design. Include drainage calculations and modeling.
8. Special considerations for local circumstances such as available material, equipment, contractors, and airport sponsored events.
9. Consultant's choice of options for the lighting design; similar explanation of choices made for the drainage, fencing, turfing and marking, including decisions regarding cover crop seeding.
10. Approach conditions which will result from proposed work and comparison with FAA criteria.
11. Analysis of potential RSA determination (if applicable).
12. Development of PCN for runway strengthening and rehabilitation projects.
13. Description of non-AIP work and quantity separation from AIP eligible items.
14. Identify work to be done by others such as utility companies and airports sponsor forces.
15. The Consultant's preliminary estimate of construction costs, fees and expenses shall be included.
16. A discussion of project safety concerns (per guidance explained in FAA AC 150/5370-2F (or current) Operational Safety on Airports during Construction) shall be included.
17. A discussion of project phasing / sequencing and estimate of construction calendar days shall be included.

ATTACHMENT F



**Illinois Department
of Transportation**

Resident Engineer's Diary

Airport: _____ Date: _____

Contractor: _____ IL Project No.: _____ AIP Project _____

Temperature _____ Wind: _____ Weather Conditions: _____

Status: Active Suspended Jobsite Conditions: Workable Non-workable

Controlling Item: _____

Workforce

Consultant (# of people, hours): _____

Contractor (# of people, equipment, hours):

Daily Work

Pay items / General Location:

Instructions to Contractor / Unusual Events:

Verbal Approvals (official & item): _____

Additional Work (change order, etc.): _____

Official Visitors: _____

Materials Deliveries (material, quantity, quality) / Testing (test, location, corrective action):

Other:

Calendar Days: _____ Awarded
_____ Charged
_____ Remaining

DBE Onsite? (yes or no)
Own forces used? (yes or no)
Own equipment used? (yes or no)

Submitted _____ Firm: _____ Date: _____

ATTACHMENT G

COST PLUS FIXED PAYMENT INVOICE (Standard Format)

To: _____, Chief Engineer
Illinois Department of Transportation
Division of Aeronautics
Abraham Lincoln Capital Airport
1 Langhorne Bond Drive
Springfield, IL 62707-8415

From (Firm): _____
Address: _____
Telephone No.: _____
Invoice # _____ Date: _____
[] Partial [] Final

Attn: _____, Section Chief

Airport: _____ Municipality: _____, IL
Illinois Project No. _____ Federal Project No. _____
Notice to Proceed Date (OP&P Program Letter or Sponsor Authorization): _____
Per A/E Agreement/Amendment dated: _____

Services (Check only those services pertaining to invoice):

- | | |
|--|--|
| <input type="checkbox"/> Preliminary Assessment and Schematic Design Phase | <input type="checkbox"/> Planning and Special Services |
| <input type="checkbox"/> Design Phase | <input type="checkbox"/> Other () |
| <input type="checkbox"/> Construction Phase | <input type="checkbox"/> Amendment(s) |

Service Dates: For Services Rendered From (date): _____ To (date): _____

<u>Period</u>	<u>To Date</u>	<u>Billing</u>
(1) Direct Salaries	\$ _____	\$ _____
Include all information per ATTACHMENT I (EFFORT DETAIL BREAKDOWN)		
(2) Labor and General and Administrative Overhead (_____ %)	\$ _____	\$ _____
(3) Direct Non-Salary Expenses (OT Premium)	\$ _____	\$ _____
Support documentation must accompany all payment requests of direct non-salary expenses.		
(4) Profit – (Fixed Payment \$ _____ x _____ % Complete)	\$ _____	\$ _____
(5) SUBTOTAL (1) – (4)	\$ _____	\$ _____
(6) Outside Services	\$ _____	\$ _____

TOTAL AMOUNT EARNED TO DATE: (5) + (6)

Maximum Payable (per Engineering Agreement)

Estimated total cost to complete project (for billings after 50%)

Less Total Amount(s) Previously Invoiced

PAYMENT DUE THIS INVOICE

I certify that to the best of my knowledge, the percent of work shown as complete on this invoice is correct.

By: _____
Printed Name and Title

Department Approval
By: _____
Printed Name and Title

NOTE: This format is for general information. The Consultant's format containing essential data may be acceptable.

ATTACHMENT H

LUMP SUM INVOICE (Standard Format)

To: _____, Chief Engineer
Illinois Department of Transportation
Division of Aeronautics
Abraham Lincoln Capital Airport
1 Langhorne Bond Drive
Springfield, IL 62707-8415

From (Firm): _____
Address: _____
Telephone No.: _____
Invoice # _____ Date: _____
[] Partial [] Final

Attn: _____, Section Chief

Airport: _____ Municipality: _____, IL
Illinois Project No. _____ Federal Project No. _____
Notice to Proceed Date (OP&P Program Letter or Sponsor Authorization): _____
Per A/E Agreement/Amendment dated: _____

Services (Check only those services pertaining to invoice):

- | | |
|--|--|
| <input type="checkbox"/> Preliminary Assessment and Schematic Design Phase | <input type="checkbox"/> Planning and Special Services |
| <input type="checkbox"/> Design Phase | <input type="checkbox"/> Other () |
| <input type="checkbox"/> Construction Phase | <input type="checkbox"/> Amendment(s) |

Service Dates:

For Services Rendered From (date): _____ To (date): _____

- (1) Lump Sum (LS) Fee (or Maximum Payable per Engineering Agreement) \$ _____
- (2) Percent of Work Complete: _____%
- (3) Fee Earned to Date: (LS \$ _____ x _____% Complete) \$ _____
- (4) Less Total Amount(s) Previously Invoiced \$ _____
- (5) PAYMENT DUE THIS INVOICE \$ _____

I certify that to the best of my knowledge, the percent of work shown as complete on this Invoice is correct.

By: _____
Printed Name and Title

Department Approval

By: _____
Printed Name and Title

NOTE: This format is for general information. The Consultant's format containing essential data may be acceptable.

ATTACHMENT I

EFFORT DETAIL BREAKDOWN (Standard Format)

Page ____ of ____ Pages

Airport: _____

Illinois Project No. _____

Federal Project No. _____

Invoice No. _____

Date: _____

ENGINEERING COSTS BREAKDOWN

Agreement Paragraph Governing Services	Service Performed	Date Performed	Employee's Name and Classification	Hours	Rate	Amount

Total _____

ENGINEERING FIRM

Name _____

Address _____

Prepared By _____

Date _____

NOTE:

This format is for general information; however the consultant's format containing the essential data may be acceptable.

ATTACHMENT J

TESTING SCHEDULE – See Testing Proposal

Testing Schedule - anticipated for the Preliminary Assessment and Schematic Design, Design and Construction phases of the project. See subconsultant work scope

Description	Approximate Number
ASTM D 421, Particle Size Analysis	
ASTM D 2217	
ASTM C 422	
ASTM D 698, Moisture-Density Relations of Soil	
ASTM D 1557	
ASTM D 427, Shrinkage Factors of Soil	
ASTM D 2434, Permeability of Granular Soils	
AASHTO T 194, Determination of Organic Materials in Soils by Wet Combustion	
ASTM D 1883, Bearing Ratio of Laboratory Compacted Soil	
AASHTO T 222, Modulus of Soil Reaction	
ASTM D 2487, Soil Classification "Unified System"	
ASTM D 2113, Soil Borings	
ASTM C 207, Hydrated Lime	
ASTM C 131, Abrasion	
ASTM C 88, Soundness	
ASTM D 946, Penetration	
ASTM D 3381, Viscosity	
ASTM D 1559, Marshall Method	
ASTM C 136, Gradation	
ASTM D 2172, Extraction and Gradation	
ASTM D 2726, Bulk Specific Gravity	
ASTM D 2041, Maximum Theoretical Specific Gravity	
ASTM D 2950, Nuclear Density	
ASTM C 117 Washed Aggregate Sample	
ASTM D 4318, Liquid Limit, Plastic Limit, Plasticity Index	
ASTM C 127, Absorption and Specific Gravity	
ASTM C 128	
ASTM C 566, Moisture Content	
ASTM C 31, PCC Test Cylinders	
ASTM C 141, Slump	
ASTM C 231, Air Content	
ASTM C 78, Flexural Strength	
ASTM C 138, Yield, Cement Content	
ASTM D 412, Rubber in Tension	
ASTM D 1664, Striping Test	

The testing form shall be adjusted to the specific project. The consultant shall not assume IDOT will provide any testing and inspections. Payment for these services shall be at the rates established in ATTACHMENT K. - TESTING RATES & COST SUMMARY.

ATTACHMENT K

TESTING RATES & COST SUMMARY – See *Testing Proposal*

DESCRIPTION OF TEST	ESTIMATED COST PER TEST	NUMBER REQUIRED	TOTAL \$



TESTING SERVICE CORPORATION

Corporate Office

360 South Main Place, Carol Stream, IL 60188-2404
630.462.2600 • Fax 630.653.2988

Local Office:

650 N. Peace Road, Suite D, DeKalb, IL 60115-8401
815.748.2100 • Fax 815.748.2110

September 2, 2021

Mr. Douglas J. Klonowski
Crawford, Murphy & Tilly, Inc.
550 North Commons Drive, Suite 116
Aurora, Illinois 60504

RE: P.N. 67,614 - Revised
Construction Material Engineering
DeKalb Taylor Municipal Airport Mill and Overlay Taxiway C
Illinois Project: DKB-4875
SBG Project No. 3-14-SBGP-TBD
3232 Pleasant Street
DeKalb, Illinois

Dear Mr. Klonowski:

Per your request, Testing Service Corporation (TSC) is pleased to submit this proposal to provide the Construction Materials Engineering Services that will be requested by you for the above referenced project. The broad objectives of our work will be to conduct and interpret tests and report our findings as directed by Crawford, Murphy & Tilly, Inc.

TSC has prepared a Report of Soils Exploration for this project. The Report bears our project number L-92,317.

TSC has great interest in being involved in this project during the construction phase. This project will be serviced by the DeKalb office of TSC which is less than 1 mile from the site. A member of the local community, TSC's DeKalb branch opened in the year 2001 and has provided Geotechnical, Drilling and Construction Materials Engineering and Testing (CME) services for thousands of projects in the DeKalb area.

TSC is the largest firm of its kind in Northern Illinois. Our DeKalb branch has the ability to draw resources from our four (4) other nearby, Chicago area offices to service your project. Our Employee-owned company has a staff of 100, including 13 Professional Engineers. Out of our DeKalb office, five (5) of our personnel have IDOT certifications in PCC and Hot Mix Asphalt, up to and including Level III.

TSC is staffed and equipped to provide any of the following services that may be ordered by you:

- **Field Quality Assurance Services**
 - Observe proof-rolling operations.
 - Recommend amount of undercut using IDOT cone penetrometer procedure.
 - Perform in-place density tests on engineered fill/backfill and granular base course
 - Test plastic concrete for slump, air content, temperature, unit weight and cast test cylinders.
 - Establish rolling pattern for bituminous concrete pavement mix with nuclear density gauge.
 - Pickup samples in the field for laboratory tests.

- **Bituminous Concrete Batch Plant Quality Assurance Services**
 - Daily hot bin and extraction analysis.
 - Sampling and testing of stockpile materials.
 - Check and adjust mixing formulas, as necessary.
 - Check temperatures of bitumen, drum and final mix.
 - Mold Marshall samples and check for stability and flow or determine density of Prepared (HMA) specimen by means of Gyratory Compactor.
 - Other tests as required by current IDOT procedures guide.

- **Portland Cement Concrete Batch Plant Quality Assurance Services**
 - Verify that current IDOT mix design is being used.
 - Check moisture content of fine aggregate.
 - Perform sieve analysis on stockpiled materials, as required by IDOT criteria.
 - Check the slump, air and temperature of final mix.
 - Other tests, as required by current IDOT procedure guide.

- **Laboratory**
 - Perform laboratory compaction curve for each soil type used.
 - Determine density and thickness for core samples submitted by contractor.
 - Aggregate gradation and soundness analysis.
 - Perform compressive and flexural strength tests for concrete cylinders and beams.
 - Other tests, as required.

- **QA Manager Services**
 - Review test results performed by our technicians in accordance with IDOT specification
 - Monitor and schedule site visits to test 20% of the total quantities for HMA and PCC mixes
 - Complete the necessary paperwork for PCC and HMA testing and electronically submit them to IDOT and your office.

TSC's field technicians are represented by Local 150 of the International Union of Operating Engineers. Supervision of the testing, observation and reporting is provided by a Registered Professional Engineer. Reports will generally be issued on a weekly basis as work progresses. Invoices will be issued monthly, subsequent to the reporting period.

A budget amount of Fifteen Thousand Dollars (\$15,000.00) is recommended for your project. This estimate is based on a review of plans and specifications provided by Crawford, Murphy & Tilly, Inc. and prior experience on similar projects. TSC's itemized estimate is included in the "Assumptions and Estimated Fee" portion of this proposal. Factors such as weather, contractor efficiency and deviations from minimum testing and observation requirements may significantly impact the CME budget. Our fee is further subject to this proposal being accepted by you on or before December 30, 2021.

As mentioned above, the project will be handled by our DeKalb office. The DeKalb office is across Pleasant Street from the project site, which will allow us to serve your project promptly. In light of our proximity, we are waiving the light vehicle trip charge and the cylinder pickup charge.

DeKalb Taylor Municipal Airport
Mill and Overlay Taxiway C
P.N. 67,614 - September 2, 2021

The Services performed by TSC under this proposal are subject to prevailing wage regulations under Illinois law. Prevailing wage rates are established in June by the State of Illinois. Should the established wage be changed between the time of this proposal and the time of work, it will be necessary to revise this proposal so that the rates required by law are properly reflected. Prevailing wage categories are defined as follows:

Material Tester I: Hand coring and drilling for testing of materials; field inspection of uncured concrete and asphalt.

Material Tester II: Field inspection of welds, structural steel, fireproofing, masonry, soil, facade, reinforcing steel, formwork, cured concrete and concrete and asphalt batch plants, adjusting proportions of bituminous mixtures.

TSC's fees include TSC's services being performed subject to the attached General Conditions which are incorporated herein. Unless we receive written instructions to the contrary, invoices will be sent to:

Mr. Douglas J. Klonowski	Accounts Payable
Crawford, Murphy & Tilly, Inc.	
550 North Commons Drive, Suite 116	2750 West Washington Street
Aurora, Illinois 60504	Springfield, IL 62702
Tel: 630.820.1022	217.787.8050
Cell: 630.907.7026	
email: dklonowski@cmtengr.com	ap@cmtengr.com

When completing the attached project data form, kindly indicate who is to receive copies of TSC's report and other project data.

Your consideration of our proposal is appreciated. We look forward to being of service to you on this project.

Respectfully Submitted

TESTING SERVICE CORPORATION

Prepared by:

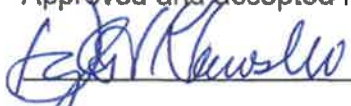

Steven R. Koester, P.E.
Vice President


Timothy M. Muszynsky, P.E.
DeKalb CME Manager

Enc: General Conditions
Project Data Sheet

DeKalb Taylor Municipal Airport
Mill and Overlay Taxiway C
P.N. 67,614 - September 2, 2021

Approved and accepted for CMT by:

 - Doug Klonowski, PE
(NAME)
Vice President/Aurora Office Co-Manager
(TITLE)
September 2, 2021
(DATE)

SCHEDULE OF CHARGES

ITEM I FIELD SERVICES

A.	Material Tester I	Per Hour:	\$ 110.00
B.	Material Tester II	Per Hour:	\$ 112.00
C.	Transportation, Light Vehicle	Per Trip:	\$ 0.00*
	* - waived due to proximity		
	<p>The time is portal-to-portal from the office servicing the project. Increase hourly rate by 1.5 for over 8.0 hours per day or Saturday . Increase hourly rate by 1.7 for Sunday or Holiday work. The minimum trip charge for 0 to 4 hours is four (4) hours and for 4 to 8 hours is eight (8) hours Monday through Friday and eight (8) hours on Saturday and Sunday.</p> <p>Engineering services for summary report preparation are invoiced at the Graduate Engineer Rate.</p>		
D.	Use of Nuclear Moisture/Density Gauge	Per Day:	\$ 50.00
E.	Pickup Concrete Test Samples		
	1. Fewer than 20 Cylinders at Grade Level	Per Trip:	\$ 0.00*
	* - waived due to proximity		
	2. 20 or more Cylinders or Cylinders in Basement or on Elevated Deck or Concrete Beams	Per Trip:	\$ 150.00
F.	Structural Steel Test Equipment		
	1. Ultrasonic Flaw Detector	Per Day:	\$ 50.00
	2. Magnetic Particle Yoke	Per Day:	\$ 35.00
G.	Fire-Proofing		
	1. Cohesion Test Supplies	Per Day:	\$ 60.00
	2. Density Test	Each:	\$ 45.00

ITEM II LABORATORY SERVICES

A. Soils

1. Compaction Curve to establish the Maximum Dry Unit weight and optimum water content
 - a. Modified (AASHTO T180, ASTM D1557) Each: \$ 210.00
 - b. Standard(AASHTO T99, ASTM D698) Each: \$ 200.00
 - c. Add for Methods B, C, or D Each: \$ 20.00

2. Thin-Walled Tube Samples
 - a. Combined Water Content & Dry Unit Weight Determination Each: \$ 20.00
 - b. Unconfined Compressive Strength Each: \$ 20.00

B. Portland Cement Concrete/Aggregates

1. Concrete Test Cylinders (4"x8")
 - a. Compressive Strength Each: \$ 16.00
 - b. Spares/Handling Charge Each: \$ 16.00
 - c. Trim End of Specimen When NecessaryAdditional: \$ 10.00

2. Concrete Test Cylinders (6"x12")
 - a. Compressive Strength Each: \$ 19.00
 - b. Spares/Handling Charge Each: \$ 19.00
 - c. Trim End of Specimen When NecessaryAdditional: \$ 10.00

3. Concrete Beams for Flexural Strength Testing Each: \$ 50.00

4. Mortar Cubes
 - a. Compressive Strength Each: \$ 19.00
 - b. 2" Cube Mold Per Day: \$ 8.00

5. Contractor Made Cylinders Each: \$ 30.00
 - a. Trim End of Specimen When NecessaryAdditional: \$ 10.00

6. Evaluation of Mortars for Plain & Reinforced Masonry
 - a. Pre-Construction Each: \$ 350.00
 - b. Cement/Aggregate Ratio Each: \$ 50.00

7. Masonry Block Prisms Each: \$ 50.00

- 8 Sieve Analysis
 - a. Washed w/200 Sieve Each: \$ 100.00
 - b. Unwashed Each: \$ 75.00

C. Bituminous Concrete

1. Extraction Analysis		
a. Unwashed	Each:	\$ 210.00
b. Washed	Each:	\$ 230.00
2. Compaction of Bituminous Mixture by Gyrotory Methods and Bulk Specific Gravity Test	Set of Two	\$ 210.00
3. Theoretical Maximum Specific Gravity of Paving Mixture	Each:	\$ 100.00
4. Determining Asphalt Content by Ignition Oven:	Each:	\$ 110.00
5. Determining Asphalt Content by Ignition Oven and Washed Gradation:	Each:	\$ 200.00
6. Bulk Density of Core Specimens	Each:	\$ 50.00

ITEM III CONSULTATION AND REPORT PREPARATION

A. Registered Professional Engineer, Principal	Per Hour:	\$ 200.00
B. Registered Professional Engineer	Per Hour:	\$ 175.00
C. Graduate Civil Engineer	Per Hour:	\$ 150.00
D. Daily Engineering Services	Per Hour:	\$ 150.00
D. Transportation		
1. Light Vehicle * - waived due to proximity	Trip Charge:	\$ 0.00*
2. Light Vehicle (Over 100 miles round trip)	Per Mile:	\$ 0.60
3. Public Transportation		Cost + 10%

Per current IDOT
 Travel Reimbursement
 Policy



The above rates are valid through December 31, 2021.

ASSUMPTIONS & ESTIMATED FEE

The following estimate is based on an estimated number of visits determined by Crawford, Murphy & Tilly, Inc. and the Illinois Department of Transportation's Project Procedures Guide. The unit prices used below are based on our current cost structure.

Bituminous Concrete/Field					
Item No.	ITEMS	Unit	Quantity	Unit Price	Amount
1	Material Tester I	Hour	80.0	110.00	\$ 8,800.00
2	Material Tester I, Overtime	Hour	0.0	165.00	\$ 0.00
3	Travel, Light Vehicle	Trip	0.0	50.00	\$ 0.00
4	Pickup Test Samples	Each	12.0	100.00	\$ 1,200.00
5	Nuclear Moisture Density Gauge	Day	10.0	50.00	\$ 500.00
6	Bituminous Concrete Extraction Analysis	Each	4.0	210.00	\$ 840.00
7	Compaction of Bituminous Mixture by Gyratory Methods and Bulk Specific Gravity Test	Set of Two	4.0	210.00	\$ 840.00
8	Density of Core Sample	Each	24.0	50.00	\$ 1,200.00
9	Theoretical Maximum Specific Gravity of Paving Mixture	Each	2.0	100.00	\$ 200.00
Sub-Total:					\$ 13,580.00

Estimate Basis: Two (2) days at 4-hours for testing compaction of Hot-Mix Asphalt (HMA). Testing acceptance via cores and laboratory analysis of mixtures.

Project Coordination & Report Preparation					
Item No.	ITEMS	Unit	Quantity	Unit Price	Amount
1	Project Engineer	Hour	8.0	175.00	\$ 1,400.00
2	QA Manager	Hour	0.0	150.00	\$ 0.00
Sub-Total:					\$ 1,400.00

TSC's base fee schedule includes up to three copies of each report.

Estimated Total: \$ 14,980.00
RECOMMENDED BUDGET: \$ 15,000.00



TESTING SERVICE CORPORATION

GENERAL CONDITIONS

Geotechnical and Construction Services

DK

1. PARTIES AND SCOPE OF WORK: If Client is ordering the services on behalf of another, Client represents and warrants that Client is the duly authorized agent of said party for the purpose of ordering and directing said services, and in such case the term "Client" shall also include the principal for whom the services are being performed. Prices quoted and charged by TSC for its services are predicated on the conditions and the allocations of risks and obligations expressed in these General Conditions. Unless otherwise stated in writing, Client assumes sole responsibility for determining whether the quantity and the nature of the services ordered by Client are adequate and sufficient for Client's intended purpose. Unless otherwise expressly assumed in writing, TSC's services are provided exclusively for client. TSC shall have no duty or obligation other than those duties and obligations expressly set forth in this Agreement. TSC shall have no duty to any third party. Client shall communicate these General Conditions to each and every party to whom the Client transmits any report prepared by TSC. Ordering services from TSC shall constitute acceptance of TSC's proposal and these General Conditions.

2. SCHEDULING OF SERVICES: The services set forth in this Agreement will be accomplished in a timely and workmanlike manner. If TSC is required to delay any part of its services to accommodate the requests or requirements of Client, regulatory agencies, or third parties, or due to any cause beyond its reasonable control, Client agrees to pay such additional charges, if any, as may be applicable.

3. ACCESS TO SITE: TSC shall take reasonable measures and precautions to minimize damage to the site and any improvements located thereon as a result of its services or the use of its equipment; however, TSC has not included in its fee the cost of restoration of damage which may occur. If Client desires or requires TSC to restore the site to its former condition, TSC will, upon written request, perform such additional work as is necessary to do so and Client agrees to pay to TSC the cost thereof plus TSC's normal markup for overhead and profit.

4. CLIENT'S DUTY TO NOTIFY ENGINEER: Client represents and warrants that Client has advised TSC of any known or suspected hazardous materials, utility lines and underground structures at any site at which TSC is to perform services under this Agreement. Unless otherwise agreed in writing, TSC's responsibility with respect to underground utility locations is to contact the Illinois Joint Utility Locating Information for Excavators for the location of public, but not private, utilities.

5. DISCOVERY OF POLLUTANTS: TSC's services shall not include investigation for hazardous materials as defined by the Resource Conservation Recovery Act, 42 U.S.C. § 6901, et seq., as amended ("RCRA") or by any state or Federal statute or regulation. In the event that hazardous materials are discovered and identified by TSC, TSC's sole duty shall be to notify Client.

6. MONITORING: If this Agreement includes testing construction materials or observing any aspect of construction of improvements, Client's construction personnel will verify that the pad is properly located and sized to meet Client's projected building loads. Client shall cause all tests and inspections of the site, materials and work to be timely and properly performed in accordance with the plans, specifications, contract documents, and TSC's recommendations. No claims for loss, damage or injury shall be brought against TSC unless all tests and inspections have been so performed and unless TSC's recommendations have been followed.

TSC's services shall not include determining or implementing the means, methods, techniques or procedures of work done by the contractor(s) being monitored or whose work is being tested. TSC's services shall not include the authority to accept or reject work or to in any manner supervise the work of any contractor. TSC's services or failure to

perform same shall not in any way operate or excuse any contractor from the performance of its work in accordance with its contract. "Contractor" as used herein shall include subcontractors, suppliers, architects, engineers and construction managers.

Information obtained from borings, observations and analyses of sample materials shall be reported in formats considered appropriate by TSC unless directed otherwise by Client. Such information is considered evidence, but any inference or conclusion based thereon is, necessarily, an opinion also based on engineering judgment and shall not be construed as a representation of fact. Subsurface conditions may not be uniform throughout an entire site and ground water levels may fluctuate due to climatic and other variations. Construction materials may vary from the samples taken. Unless otherwise agreed in writing, the procedures employed by TSC are not designed to detect intentional concealment or misrepresentation of facts by others.

7. DOCUMENTS AND SAMPLES: Client is granted an exclusive license to use findings and reports prepared and issued by TSC and any sub-consultants pursuant to this Agreement for the purpose set forth in TSC's proposal provided that TSC has received payment in full for its services. TSC and, if applicable, its sub-consultant, retain all copyright and ownership interests in the reports, boring logs, maps, field data, field notes, laboratory test data and similar documents, and the ownership and freedom to use all data generated by it for any purpose. Unless otherwise agreed in writing, test specimens or samples will be disposed immediately upon completion of the test. All drilling samples or specimens will be disposed sixty (60) days after submission of TSC's report.

8. TERMINATION: TSC's obligation to provide services may be terminated by either party upon (7) seven days prior written notice. In the event of termination of TSC's services, TSC shall be compensated by Client for all services performed up to and including the termination date, including reimbursable expenses. The terms and conditions of these General Conditions shall survive the termination of TSC's obligation to provide services.

9. PAYMENT: Client shall be invoiced periodically for services performed. Client agrees to pay each invoice within fifteen (15) days of payment from owner. ~~thirty (30) days of its receipt. Client further agrees to pay interest on all amounts invoiced and not paid or objected to in writing for valid cause within sixty (60) days at the rate of twelve (12%) per annum (or the maximum interest rate permitted by applicable law, whichever is the lesser) until paid and TSC's costs of collection of such accounts, including court costs and reasonable attorney's fees.~~

10. WARRANTY: TSC's professional services will be performed, its findings obtained and its reports prepared in accordance with these General Conditions and with generally accepted principles and practices. In performing its professional services, TSC will use that degree of care and skill ordinarily exercised under similar circumstances by members of its profession. In performing physical work in pursuit of its professional services, TSC will use that degree of care and skill ordinarily used under similar circumstances. This warranty is in lieu of all other warranties or representations, either express or implied. Statements made in TSC reports are opinions based upon engineering judgment and are not to be construed as representations of fact.

~~Should TSC or any of its employees be found to have been negligent in performing professional services or to have made and breached any express or implied warranty, representation or contract, Client, all parties claiming through Client and all parties claiming to have in any way relied upon TSC's services or work agree that the maximum aggregate amount of damages for which TSC, its officers, employees and agents shall be liable is limited to \$50,000 or the total amount of the fee paid to TSC for its services performed with respect to the project, whichever amount is greater.~~

~~In the event Client is unwilling or unable to limit the damages for which TSC may be liable in accordance with the provisions set forth in the preceding paragraph, upon written request of Client received within five days of Client's acceptance of TSC's proposal together with payment of an additional fee in the amount of 5% of TSC's estimated cost for its services (to be deducted to 5% of the amount actually billed by TSC for its services on the project at time of completion), the limit on damages shall be increased to \$500,000 or the amount of TSC's fee, whichever is the greater. This change is not to be construed as being a charge for insurance of any type, but to increased consideration for the exposure to an award of greater damages.~~

11. INDEMNITY: Subject to the provisions set forth herein, TSC and Client hereby agree to indemnify and hold harmless each other and their respective shareholders, directors, officers, partners, employees, agents, subsidiaries and division (and each of their heirs, successors, and assigns) from any and all claims, demands, liabilities, suits, causes of action, judgments, costs and expenses, including reasonable attorneys' fees, arising, or allegedly arising, from personal injury, including death, property damage, including loss of use thereof, due in any manner to the negligence of either of them or their agents or employees or independent contractors. In the event both TSC and Client are found to be negligent or at fault, then any liability shall be apportioned between them pursuant to their pro rata share of negligence or fault. TSC and Client further agree that their liability to any third party shall, to the extent permitted by law, be several and not joint. ~~The liability of TSC under this provision shall not exceed the policy limits of insurance carried by TSC. Neither TSC nor Client shall be bound under this indemnity agreement to liability determined in a proceeding in which it did not participate represented by its own independent counsel. The indemnities provided hereunder shall not terminate upon the termination or expiration of this Agreement, but may be modified to the extent of any waiver of subrogation agreed to by TSC and paid for by Client.~~

12. SUBPOENAS: TSC's employees shall not be retained as expert witnesses except by separate, written agreement. Client agrees to pay TSC pursuant to TSC's then current fee schedule for any TSC employee(s) subpoenaed by any party as an occurrence witness as a result of TSC's services.

13. OTHER AGREEMENTS: TSC shall not be bound by any provision or agreement (i) requiring or providing for arbitration of disputes or controversies arising out of this Agreement or its performance, (ii) wherein TSC waives any rights to a mechanics lien or surety bond claim; (iii) that conditions TSC's right to receive payment for its services upon payment to Client by any third party or (iv) that requires TSC to indemnify any party beyond its own negligence. These General Conditions are notice, where required, that TSC shall file a lien whenever necessary to collect past due amounts. This Agreement contains the entire understanding between the parties. Unless expressly accepted by TSC in writing prior to delivery of TSC's services, Client shall not add any conditions or impose conditions which are in conflict with those contained herein, and no such additional or conflicting terms shall be binding upon TSC. The unenforceability or invalidity of any provision or provisions shall not render any other provision or provisions unenforceable or invalid. This Agreement shall be construed and enforced in accordance with the laws of the State of Illinois. In the event of a dispute arising out of or relating to the performance of this Agreement, the breach thereof or TSC's services, the parties agree to try in good faith to settle the dispute by mediation under the Construction Industry Mediation Rules of the American Arbitration Association as a condition precedent to filing any demand for arbitration, or any petition or complaint with any court. Paragraph headings are for convenience only and shall not be construed as limiting the meaning of the provisions contained in these General Conditions.

DK

DK

DK

ATTACHMENT L (Optional)

SUMMARY OF PAYROLL BURDEN AND FIXED COSTS

	<u>% of Direct Productive Payroll</u>
Federal Insurance Contributions Act	_____
State Unemployment Compensation	_____
Federal Unemployment Compensation	_____
Workmen's Compensation Insurance	_____
Paid Holidays, Vacation, Sick Leave	_____
Bonus	_____
Pension	_____
Group Insurance	_____
TOTAL PAYROLL BURDEN & FRINGE COSTS	_____ %

NOTE:

A letter from IDOT with approval or provisional payroll burden / fringe and general / administrative expense rates must be attached (ATTACHMENT S) for verification of rates.

ATTACHMENT M (Required)

SUMMARY OF OVERHEAD AND INDIRECT COSTS

**CRAWFORD, MURPHY & TILLY, INC.
SUMMARY OF INDIRECT OVERHEAD COST
AUDITED CALENDAR YEAR 2019
AND PROVISIONAL 2019/2020**

CMT ACCOUNT NUMBER	ACCOUNT NAME	% OF DIRECT LABOR COSTS	
<u>PAYROLL BURDEN AND FRINGE BENEFITS</u>			
6151	FICA Tax	12.58%	
6102, 6103, 6170	Paid Time Off (Vacation, Holidays and Sick Leave)	15.94%	
6154, 6156, 6158	Group Medical, Life, Workers Comp, Disability and Unemployment Insurance	10.45%	
6159, 6160	Employee Retirement Plan Contributions	13.93%	52.90%
<u>GENERAL & ADMINISTRATIVE OVERHEAD EXPENSE</u>			
6104-6119	Indirect Salaries - Not Allocable to Projects	66.27%	
6222, 6264	Miscellaneous Taxes	1.03%	
6231	Professional Fees	3.39%	
6251	Rent	11.52%	
6252	Utilities	0.84%	
6271	Telephone & Data	2.96%	
6253-6254	Maintenance, Repairs & Supplies	1.91%	
6261-6265	Office Supplies, Shipping & Reproduction	1.58%	
6281, 6284	Seminars, Registration & Education	2.84%	
6291,92,95,6321-23	Travel & Vehicle Expense	4.41%	
6331, 6332	Business Insurance	3.01%	
6351,52,61,62,69	Equipment Expense, Repairs & Maintenance	1.58%	
6366, 6367, 6368	Computer Expense & Supplies	8.74%	
6371,6372,6381,6382	Maps, Reference Books, Engineering & Survey Supplies	0.64%	
6401+COFC	Depreciation & Cost of Facilities Capital (0.52%)	5.23%	115.95%
TOTAL OVERHEAD			<u>168.85%</u>

NOTE: A letter from IDOT with approval or provisional payroll burden / fringe and general / administrative expense rates must be attached (ATTACHMENT S) for verification of rates.

ATTACHMENT N

PROJECT CERTIFICATION

Airport: _____

Letting Date: _____

IL Project No.: _____

Federal Project No.: _____

Contract No: _____

Project Description: _____

Pursuant to Federal Aviation Regulations, Part 152, as amended, and as a condition to receiving any Federal and/or State financial assistance through a Grant Offer from the FAA and/or the State of Illinois - Department of Transportation for the proposed airport development project, it is hereby represented, to the best of our knowledge, information, and belief that:

1. The Consultant has been selected to provide the necessary professional services for the project described herein and identified in the Professional Services Request For Qualifications (RFQ).
Selection Date (Required): _____ Copy of Retainer attached (ATTACHMENT U).
2. Project is clearly delineated on the currently approved Airport Layout Plan.
Approval Date (Required): _____
3. Project is environmentally cleared. CatEx EA EIS FONSI
Approval Date (Required): _____
4. All Corps/EPA permits and other regulatory agency reviews/approvals/mitigation have been satisfied and there are no known encumbrances to the completion of the project.
 Yes No.
5. Plans were prepared in accordance with FAA approved standards and advisory circulars; and, the specifications were prepared in accordance with the FAA approved *Illinois Standard Specifications For Construction Of Airports*, along with the Division of Aeronautics' most current Policy Memorandums and "Handout" Specifications, except as noted by attached Modification of Standards (MOS) which has been addressed and justified in the engineering report and submitted to and approved by the FAA and Engineer of Design. Yes No.
Approval Date of MOS (If applicable): _____
6. The design conforms to the approved project scope. Yes No.
7. Provisions have been included for safety during construction (per guidance explained in FAA AC 150/5370-2F (or current) Operational Safety on Airports during Construction). Yes No.
8. The plans, special provisions and quantities have been thoroughly checked in accordance with best management practices by the Consultant for accuracy and consistency, and are in conformance with AC 150/5300-13 (latest edition). All contract deliverables referenced in Section I.F. DELIVERABLES have been submitted, received and determined acceptable.
 Yes No.

Date _____

By: _____
Design Engineer (Consultant)

Date _____

By: _____
Sponsor

Date _____

By: _____ P.E.
Department Design Engineer

Date _____

By: _____ P.E.
Engineer of Design

ATTACHMENT O

DBE FINAL DOCUMENTATION



Prime Consultant

Name _____
Address _____
Telephone _____

Subject

Airport _____
Illinois Project No. _____
Federal Project No _____

DBE Subconsultant

Name _____
Address _____
Telephone _____

Contract Amounts

Consultant Contract Amount _____
DBE Contract Amount _____
DBE Participation (%) _____

This documentation verifies the services provided and the amount paid to the DBE Subconsultant on the above captioned contract. The undersigned certifies that the services reported herein were executed by the DBE, that the DBE actually provided the services and that the services reported herein conform to the services reported in the approved Professional Services Agreement together with any amendments approved by the Sponsor and/or Division as applicable.

Description of Service Provided	Contract Amount	Amount Paid	Difference (+/-)
1.			
2.			
3.			
4.			
5.			
6.			
Totals			

DBE Contract amount has been met or exceeded [] Yes [] No (*check one*).

DBE Contract amount not met – Shortfall \$ _____ (*documentation explaining shortfall attached*).

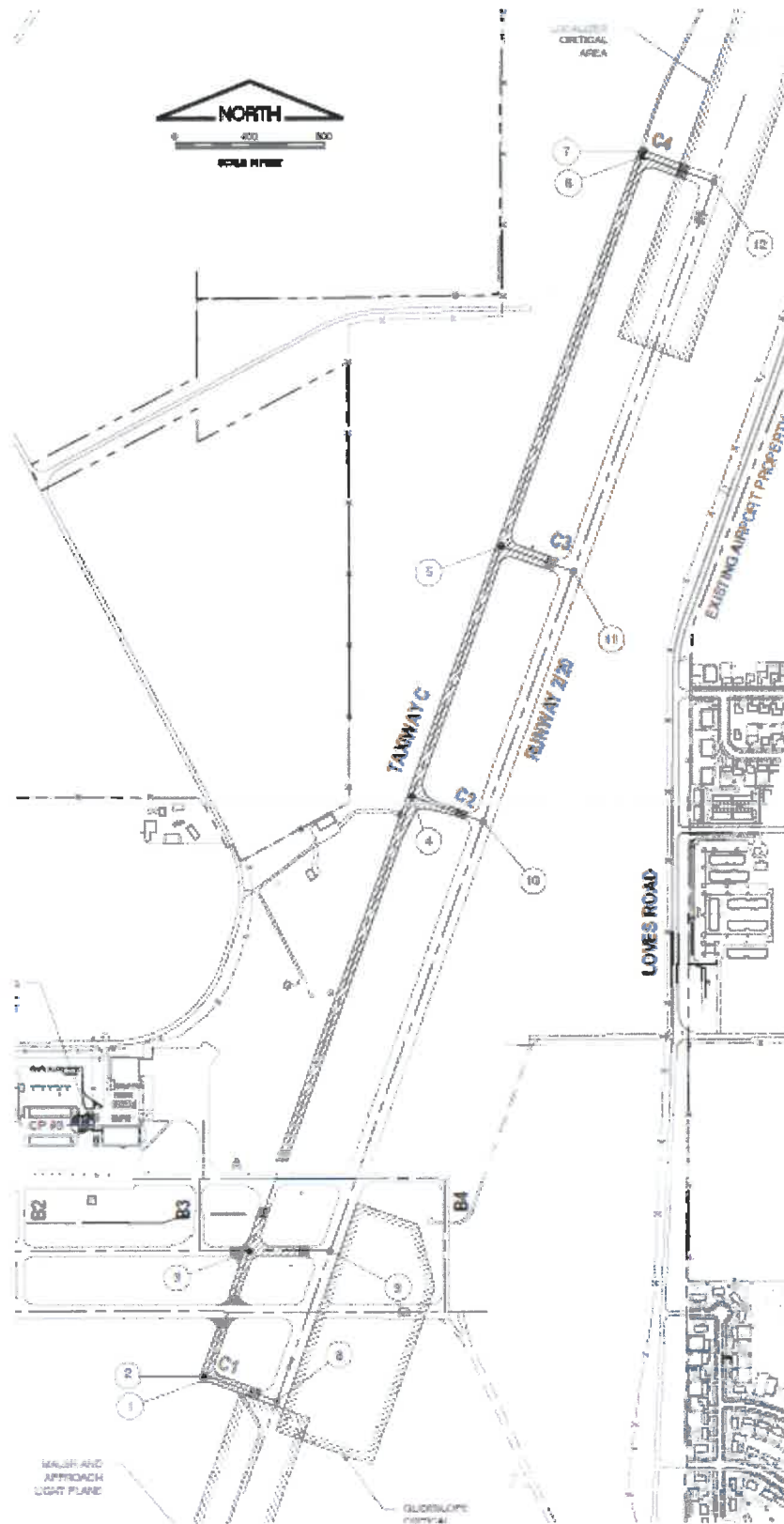
Prime Consultant

DBE Subconsultant

Print Name _____
Title _____
Signature _____
Date _____

Print Name _____
Title _____
Signature _____
Date _____

ATTACHMENT P
PROJECT SKETCH



ATTACHMENT Q

PROJECT LETTING SCHEDULE

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF AERONAUTICS
2021 LETTING SCHEDULE WITH ASSOCIATED REGRESSIVE DATES

22 Week Project Development Timeline (154 Calendar Days)				IDOT Letting Date	Anticipated Award Date	Anticipated Start to Work Date
START (0%)	35%	80%	100%			
Pre-design Meeting Target Date	Engineering Report to IDA for Comments	*Sealable Plans and Specifications to IDA for Comments	Approved and Sealed Final Plans and Specifications to IDA			
15-Nov-2019	10-Jan-2020	20-Mar-2020	17-Apr-2020	12-Jun-2020	11-Sep-2020	09-Oct-2020
03-Jan-2020	28-Feb-2020	08-May-2020	05-Jun-2020	31-Jul-2020	30-Oct-2020	01-May-2021
21-Feb-2020	17-Apr-2020	26-Jun-2020	24-Jul-2020	18-Sep-2020	18-Dec-2020	01-May-2021
10-Apr-2020	05-Jun-2020	14-Aug-2020	11-Sep-2020	06-Nov-2020	05-Feb-2021	01-May-2021
12-Jun-2020	07-Aug-2020	16-Oct-2020	13-Nov-2020	15-Jan-2021	16-Apr-2021	14-May-2021
07-Aug-2020	02-Oct-2020	11-Dec-2020	08-Jan-2021	05-Mar-2021	04-Jun-2021	02-Jul-2021
25-Sep-2020	20-Nov-2020	29-Jan-2021	26-Feb-2021	23-Apr-2021	23-Jul-2021	20-Aug-2021
13-Nov-2020	08-Jan-2021	19-Mar-2021	16-Apr-2021	11-Jun-2021	10-Sep-2021	08-Oct-2021
01-Jan-2021	26-Feb-2021	07-May-2021	04-Jun-2021	30-Jul-2021	29-Oct-2021	01-May-2022
19-Feb-2021	16-Apr-2021	25-Jun-2021	23-Jul-2021	17-Sep-2021	17-Dec-2021	01-May-2022

ATTACHMENT R

OP&P PROGRAM LETTER



Illinois Department of Transportation

Office of Planning and Programming
2300 South Dirksen Parkway / Springfield, Illinois / 62764

August 9, 2020

Ms. Renee Riani
Airport Manager
DeKalb Taylor Municipal Airport
3232 Pleasant Street
DeKalb, IL 60115

Ms. Riani,

The Illinois Department of Transportation's Airport Improvement Program provides funding for projects at airports throughout the state to ensure the continuation of safe and efficient operations at these facilities and maximize opportunities for economic development in Illinois.

The project detailed herein was selected for your airport based on project requests submitted to the Department during the Transportation Improvement Program (TIP) meetings. This IDOT FY- 2021 Airport Improvement Program is based on Federal Aviation Administration (FAA) funding levels established in federal legislation which provide for a minimum of \$1 million in entitlement funds for primary airports and a maximum of \$150,000 entitlement funds for non-primary airports. Federal legislation calls for a maximum 90% federal participation. As such, the state and local match will be 5% each for all projects which are eligible for state funding. All other federal projects which are not eligible for state funds will require a minimum 10% local match.

Funding for the Illinois Airport Improvement Program is dependent upon receipt of Federal funds and legislative authorization of state appropriations. In addition, proposed development and land acquisition must be shown on an approved ALP, have cleared environmental processing, and the land already acquired or have a signed purchase agreement. For projects seeking Federal Discretionary Funds projects, these requirements must be completed, and evidence of completion provided to Aeronautics by October 1, 2020, before a project can be considered for funding.

The Department and the Airport Sponsor hereby specifically agree that they shall pay the above defined percentages of all project costs. In addition, the GRANTEE shall pay such additional project costs which exceed the sum of the GRANTOR's funds and the Federal funds, as are herein committed for this Project. In the event your project exceeds these budget totals, the Sponsor may elect to pay any additional project costs which exceed the total sum of state and federal funds as planned and programmed to complete the project. If additional funds are deemed necessary post award, an amendment to the Agency Agreement with the Department must be developed and approved by the Department and the FAA before any additional funding may be allocated.

In the event the Illinois General Assembly fails to appropriate funds, or sufficient funds are otherwise not made available for these projects, the Airport Sponsor will be required to pay the state and local costs as itemized below. This will include any amount which exceeds the totals listed.

Projects were selected based on the FAA's National Priority System as well as other state and local priorities. The Department has programmed the following project to be included in the IDOT FY 2021 Proposed Airport Improvement Program for your airport:

The project "Rehabilitate Taxiway C" will be funded as follows:

Federal Non-Primary Discretionary Funds	\$1,092,000
Federal Non-Primary Entitlement Funds	\$150,000
State Match	\$69,000
<u>Local Match</u>	<u>\$69,000</u>
Total Project Cost	\$1,380,000

* If this project is seeking AIP Federal Discretionary Funds from the Federal Aviation Administration (FAA) until such time the funds are received by the Department this project is not guaranteed.

The Office of Intermodal Project Implementation (Aeronautics) letting schedule for construction projects must be strictly followed to ensure projects are advertised and brought to letting in an organized manner. The letting schedule allows for 30 weeks to develop a project from the date of the pre-design meeting to the letting.

To ensure eligibility of professional services for state and federal funding participation, you are required to satisfy the qualifications based selection process and enter into a retainer agreement, or professional services A/E agreement with the consultant of record selected for the project prior to any costs being incurred. This should take place prior to the project initiation/pre-design meeting. Aeronautics will facilitate this process, as well as the initial development and review of fees.

The project contained in this letter is officially programmed for development provided all state and federal requirements have been met. It is now the Airport Sponsor's responsibility to initiate the professional services phase of the project. Please contact Aeronautics, either directly or through your consultant, to schedule a project initiation meeting.

Please contact Mr. Alan Mlacnik, P.E. – Bureau Chief of Airport Engineering at 217.785.4884 to initiate this project. Please initiate this project within 12 months of the date of this letter or this project will no longer be considered programmed. Projects are initiated by scheduling a pre-design meeting for design/construction projects or a project initiation meeting for planning and environmental projects.

ATTACHMENT S

**CURRENT IDOT PROVISIONAL PAYROLL BURDEN / FRINGE EXPENSE AND GENERAL /
ADMINISTRATIVE EXPENSE RATE LETTER**



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

January 11, 2021

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

Roger Driskell
CRAWFORD, MURPHY, & TILLY, INC.
2750 West Washington Street
Springfield, IL 62702

Dear Roger Driskell,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2019. Your firm's total annual transportation fee capacity will be \$97,600,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 168.85% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Bureau of Investigations and Compliance in a pre-award audit. Pursuant to 23 CFR 172.11(d), we are providing notification that we will post your company's indirect cost rate to the Federal Highway Administration's Audit Exchange where it may be viewed by auditors from other State Highway Agencies.

Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

Your firm is prequalified until December 31, 2020. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

Sincerely,
Jack Elston, P.E.
Bureau Chief
Bureau of Design and Environment

ATTACHMENT T

CONSULTANT'S PRELIMINARY ESTIMATE OF PROBABLE CONSTRUCTION COSTS

N/A – Construction Phase Services

ATTACHMENT U

RETAINER AGREEMENT

Exhibit A – Scope of Services

*Including Illinois Department of Transportation – Division of
Aeronautics and Federal Aviation Administration Standard
Conditions*

WHEREAS, the Owner intends to sponsor the accomplishment of a development program in stages of the public air navigation facilities known as the DeKalb Taylor Municipal Airport located in Latitude 41°56'01.8" N, Longitude 88° 42'20.5" W, in DeKalb County, State of Illinois; and

WHEREAS, the development program shall include projects described as:

1. Preparation of necessary applications, environmental documentation, airspace request and other documentation for FAA and IDOT DOA grant funding for projects within the 5-year Transportation Improvement Proposal.
2. Land acquisition/land acquisition reimbursement, including various plat preparation, such as appraisal plats, easements, plats of survey, etc., clear zone obstructions surveys, technical advice, and environmental site assessments.
3. Replace Existing VASI units on Runway Ends 2, 20 and 27 with PAPI Units.
4. Technical Assistance including Environmental Evaluations, Engineering review and consultation for the Reimbursement Request for the Purchase of the Snow Removal Equipment (SRE) Building – Phase 1 and 2.
5. Crack Repair and Remark Runway 2/20 including Rehabilitation evaluation and design for Runway 2/20 including lead-in connecting Taxiways.
6. Removal and Replacement or Rehabilitation of existing Aircraft Parking Aprons.
7. Overlay, Rehabilitation and Restore crown and grade for Runway 2/20 including lead-in connecting Taxiways.
8. Remove and Replace Perimeter Security Fencing.
9. Rehabilitation of T-Hangar Taxiway pavements, Parking Lots, Roads and Aprons, Phases 1, 2 and 3.
10. Airport Utility Relocation Design and Development, Various Phases. Develop preliminary engineering and plans for the relocation of necessary utilities on the airport including the accommodation of future Airport Developments.
11. Enlarge Existing 1st Detention Basin and Construct 2nd Detention basin to accommodate future development including stormwater design, evaluation and engineering.
12. Preliminary Engineering, Site Engineering for future Hangar development and expansion.
13. Relocation of Pleasant Street including alignment, engineering and plan development to accommodate East Frontal Area development.
14. Expand large aircraft parking apron including engineering for the necessary construction of the apron and any connecting taxiways.

WHEREAS, the Department of Transportation, Division of Aeronautics, State of Illinois, is authorized Agent of the Owner under the proposed development program (it shall be hereinafter referred to as the "Division");

WHEREAS, the Engineer agrees to furnish an executed "Certification of Engineer" and certain professional engineering services enumerated hereinafter, in connection with the aforesaid development project.

I. ENGINEERING SERVICES

The Engineer agrees to furnish and perform the various professional engineering services required for the preparation of the above reference construction project as follows:

(A.) The Planning Phase

1. Upon request by the Owner, the Engineer agrees to attend meetings and provide any professional advice, guidance and assistance in planning for the projects included in

A. 1