

ARCHITECT/ENGINEER AGREEMENT
Between

City of Grand Rapids, Minnesota

(OWNER)

and

Short Elliott Hendrickson Inc.

(CONSULTANT)

for

PROFESSIONAL SERVICES

THIS AGREEMENT made and entered into this _____ day of _____, 20____, by and between the City of Grand Rapids, Minnesota, hereinafter referred to as the OWNER, and Short Elliott Hendrickson Inc.® (SEH), with a regular place of business at 3535 Vadnais Center Drive, St. Paul, Minnesota 55110, hereinafter referred to as the CONSULTANT.

WITNESSETH:

That the OWNER and CONSULTANT, for the consideration hereinafter named, agree as follows:

ARTICLE 1. GENERAL DESCRIPTION OF WORK TO BE DONE

The OWNER agrees to and hereby does retain and employ CONSULTANT and CONSULTANT agrees to perform Architectural, Engineering and/or other Professional Services for the project at the Grand Rapids/Itasca County Airport, entitled:

2024 Taxiway A (South) Reconstruction – Phase 1 Design & Taxiway A (North) Planning Study

hereinafter referred to as the Project.

The Project and those services to be performed hereunder are more particularly described in ATTACHMENT A1 and A2, a part hereof, and may be financed in part by grant-in-aid programs of the Minnesota Department of Transportation (Mn/DOT), Office of Aeronautics, and/or the Federal Aviation Administration (FAA) as described in Article 14.

ARTICLE 2. PERIOD OF SERVICE

Compensation for CONSULTANT'S services as provided elsewhere in this Agreement has been agreed to in anticipation of an orderly and continuous progress of CONSULTANT'S services through completion. In this regard, if the services covered by this Agreement have not been completed within 12 months of the date hereof, through no fault of CONSULTANT, any lump sum or maximum payment amounts shall be equitably adjusted.

ARTICLE 3. COMPENSATION TO CONSULTANT

A. Compensation to CONSULTANT for services described in this Agreement shall be on a Lump Sum basis, Cost Reimbursement Plus Fixed Fee basis and/or an Hourly Rate basis, as designated in the box below, and in ATTACHMENT B1 and B2 and as hereinafter described.

1. A Lump Sum method of payment for CONSULTANT'S services shall typically apply to all or parts of a work scope here CONSULTANT'S tasks can be readily defined and/or where the level of effort required to accomplish such tasks can be estimated with a reasonable degree of accuracy. The OWNER shall make monthly payments to CONSULTANT within 30 calendar days of date of invoice based on an estimated percentage of completion of CONSULTANT'S services.

Reimbursement for Direct Expenses incurred in the performance of the work shall be included in the Lump Sum amount, unless otherwise set forth in ATTACHMENT B1 and B2.

2. A Cost Reimbursement Plus Fixed Fee method of payment for CONSULTANT'S services shall typically apply to all or parts of work scope where CONSULTANT'S tasks cannot be readily defined and/or where the level of effort required to accomplish such tasks cannot be established with any reasonable degree of accuracy. Under a Cost Reimbursement Plus Fixed Fee method of payment, the CONSULTANT shall be paid for the actual costs of providing required services plus a fixed fee payment as defined in FAA Advisory Circular 150/5100-14B, dated November 21, 1988, and as further defined as follows:

- a. Direct Salary Costs incurred by CONSULTANT for employee's time directly chargeable to the Project, and in accordance with the CONSULTANT'S SALARY SCHEDULE included in ATTACHMENT B1 and B2. Periodic revisions to the schedule may be made and any such revisions shall be submitted by CONSULTANT to the OWNER for approval.
- b. Overhead Costs including overhead on direct labor including, but not limited to, employment taxes, fringe benefits, holidays, vacation, and sick leave and all allowable general and administrative overhead costs. Overhead Costs shall be calculated as a percentage of Direct Salary Costs, with such percentage based on CONSULTANT'S audited records. The Overhead Rate to be applied to this Agreement and any special provisions relating thereto shall be set forth in ATTACHMENT B1 and B2.
- c. Direct Non-Salary Expenses incurred by CONSULTANT for costs directly chargeable to the project, including but not limited to:
 - 1) Travel and subsistence.
 - 2) Computer services.
 - 3) Outside professional and technical services.
 - 4) Identifiable reproduction and reprographic charges.
 - 5) Expendable field supplies and special field equipment rental.
 - 6) Other acceptable costs for such additional items and services as may be required by the OWNER to fulfill the terms of this Agreement.
- d. Fixed Fee. In addition to the above reimbursement of costs, CONSULTANT shall be paid a fixed fee in the amount set forth in Attachment B1 and B2. It is agreed that the fixed fee will be subject to adjustment in case of a work scope change, abandonment of the work prior to completion, or deletion of specific tasks.

The OWNER shall make monthly payments to CONSULTANT within 30 calendar days of date of invoice based on computations made in accordance with the above charges for services provided and expenses incurred to date, including a proportionate amount of the fixed fee. Invoices shall be accompanied by supporting evidence as required.

3. If no Federal funds are involved in this Agreement, an Hourly Rate method of payment for CONSULTANT'S services may be utilized as an alternative to the Lump Sum or Cost Reimbursement Plus Fixed Fee methods. Under an Hourly Rate method of payment, CONSULTANT shall be paid for the actual hours worked on the Project by CONSULTANT'S technical personnel times an hourly billing rate established for each employee. Hourly billing rates shall include compensation for all salary costs, payroll burden, general and administrative overhead and professional fee. A rate schedule shall be furnished by CONSULTANT to OWNER upon request.

In addition to the foregoing, CONSULTANT shall be reimbursed at cost for the following Direct Expenses when incurred in the performance of the work:

- a. Travel and subsistence.
- b. Computer services.
- c. Owner approved outside professional and technical services.
- d. Identifiable reproduction and reprographic charges.
- e. Expendable field supplies and special field equipment rental.
- f. Other acceptable costs for such additional items and services as may be required by the Owner to fulfill the terms of this Agreement.

The OWNER shall make monthly payments to CONSULTANT within 30 calendar days of date of invoice based on computations made in accordance with the above charges for services provided and expenses incurred to date, accompanied by support evidence as required.

- B. The OWNER, The Mn/DOT, Office of Aeronautics, the FAA, or their authorized representatives shall have access to CONSULTANT'S records for the purpose of accounting and audit. The CONSULTANT shall maintain all records relative to this Agreement for a period of not less than three years, subsequent to the OWNER'S final payment to CONSULTANT and until the project is financially closed-out by the FAA.

ARTICLE 4. EXTRA WORK AND SERVICES NOT INCLUDED IN THIS CONTRACT

If CONSULTANT is of the opinion that any services it has been directed to perform is beyond the Scope of this Agreement, or that the level of effort required significantly exceeds that estimated due to changed conditions and thereby constitutes extra work, it shall promptly notify the OWNER of that fact. Extra work, additional compensation for same, and extension of time for completion shall be covered by a Supplemental Agreement entered into by both parties and approved by Mn/DOT and FAA, prior to proceeding with any extra work or related expenditures.

ARTICLE 5. ABANDONMENT, CHANGE OF PLAN AND TERMINATION

Either Party has the right to terminate this Agreement upon seven calendar days' written notice. In addition, the OWNER may at any time, reduce the scope of this Agreement. Such reduction in scope shall be set forth in a written notice from the OWNER to CONSULTANT. In the event of unresolved dispute over change in scope or changed conditions, this Agreement may also be terminated, upon seven calendar days' written notice as provided above.

In the event of termination, all documents finished or unfinished, prepared by CONSULTANT under this Agreement shall be made available by CONSULTANT to the OWNER pursuant to Article 7, and there shall be no further obligation of the OWNER to CONSULTANT under this Agreement, except for payment of amounts due and owing for work performed and expenses incurred to the date and time of termination, computed in accordance with Article 3.

In the event of a reduction in scope of the Project work, CONSULTANT shall be paid for the work performed and expenses incurred on the project work thus reduced and for any completed and abandoned work for which payment has not been made, computed in accordance with Article 3.

ARTICLE 6. DISPUTE RESOLUTION

In the event of an irreconcilable dispute under this Agreement, which is not resolvable through informal means, the parties may, upon written agreement, submit to the resolution process set out in this provision. Once the parties have agreed to the resolution process, each party shall have seven (7) calendar days to designate one representative, who shall have authority to act on this Agreement. If either party fails within that time to inform the other party in writing of its designation, the other party is free to pursue all other legal and equitable remedies. Within ten (10) calendar days of designation of the representative, the representatives shall meet and shall entertain such presentation of testimony and other evidence as the CONSULTANT and the OWNER may wish to present with respect to the dispute. Within seven (7) calendar days after the close of such presentation, the representative shall resolve the dispute or either party is free to pursue all other legal and equitable remedies. When the representatives resolve the dispute, their decision shall be final and conclusive. Should the representatives be unable to agree on a resolution of the dispute, then the parties are free to pursue all other legal and equitable remedies. Each party's costs for the dispute resolution shall be borne by the respective party.

If the parties do not agree in writing to the resolution process set out above, either party is entitled to pursue any other legal or equitable remedies available.

ARTICLE 7. DISPOSITION OF PLANS, REPORTS, AND OTHER DATA

At the time of completion or termination of the work, CONSULTANT shall make available to the OWNER, all maps, tracings, reports, resource materials and other documents pertaining to the work or to the Project. All such documents are not intended or represented to be suitable for reuse by the OWNER or others on extension of the Project or any other project. Any reuse without written verification or adaptation by CONSULTANT for the specific purpose intended will be at OWNER'S sole risk and without liability or legal exposure to CONSULTANT. In this regard, the OWNER will indemnify and hold harmless CONSULTANT from any and all suits or claims of third parties arising out of such reuse, which is not specifically verified, adapted or authorized by CONSULTANT.

ARTICLE 8. DOCUMENTS FORMING THE CONTRACT

The contract documents shall be deemed to include this Agreement with all accompanying attachments of part hereof.

ARTICLE 9. OWNER'S RESPONSIBILITY

- A. To permit CONSULTANT to perform the services required hereunder, the OWNER shall supply in proper time and sequence, the following at no expense to CONSULTANT.
 - 1. Provide all necessary information regarding its requirements as necessary for orderly progress of the work.

2. Designate in writing, a person to act as OWNER'S representative with respect to the services to be rendered under this Agreement. Such person shall have authority to transmit instructions, receive instructions, receive information, interpret, and define OWNER'S policies with respect to CONSULTANT'S services.
3. Furnish, as required for performance of CONSULTANT'S services (except to the extent provided otherwise in ATTACHMENT A1 and A2), data prepared by or services of others, including without limitation, core borings, probings and subsurface explorations, hydrographic and geohydrologic surveys, laboratory tests and inspections of samples, materials and equipment; appropriate professional interpretations of all of the foregoing; environmental assessment and impact statements; property, boundary, easement, right-of-way, topographic and utility surveys; property descriptions; zoning, deed and other land use restriction; and other special data not covered in ATTACHMENT A1 and A2.
4. Provide access to, and make all provisions for CONSULTANT to enter upon publicly- and privately-owned property as required to perform the work.
5. Act as liaison with other agencies to carry out necessary coordination and negotiations; furnish approvals and permits from all governmental authorities having jurisdiction over the Project and such approvals and consents from others as may be necessary for completion of the Project.
6. Examine all reports, sketches, drawings, specifications and other documents prepared and presented by CONSULTANT, obtain advice of an attorney, insurance counselor or others as OWNER deems necessary for such examination and render in writing, decisions pertaining thereto within a reasonable time so as not to delay the services of CONSULTANT.
7. Give prompt written notice to CONSULTANT whenever OWNER observes or otherwise becomes aware of any development that affects the scope or timing of CONSULTANT'S services or any defect in the work of Construction Contractor(s), Consultants or CONSULTANT.
8. Initiate action, where appropriate, to identify and investigate the nature and extent of asbestos and/or pollutant in the Project and to abate and/or remove the same as may be required by federal, state or local statute, ordinance, code, rule, or regulation now existing or hereinafter enacted or amended. For purposes of these General Provisions, "pollution" shall mean any solid, liquid, gaseous, or thermal irritant or contaminant, including smoke, vapor, soot, alkalis, chemicals and hazardous or toxic waste. Hazardous or toxic waste means any substance, waste, pollutant or contaminant now or hereafter included within such terms under any federal, state or local statute, ordinance, code, rule or regulation now existing or hereinafter enacted or amended.

If CONSULTANT encounters, or reasonably suspects that it has encountered, asbestos, or pollution, including soil contamination in the project area, CONSULTANT shall cease activity in said area and promptly notify the OWNER who shall proceed as set forth above. Unless otherwise specifically provided in ATTACHMENT A1 and A2, the services to be provided by CONSULTANT do not include identification of asbestos or pollution, including soil contamination and CONSULTANT has no duty to identify or attempt to identify the same in the project area.
9. Provide such accounting, independent cost estimating and insurance counseling services as may be required for the Project, such legal services as OWNER may require or CONSULTANT may reasonably request with regard to legal issues pertaining to the Project and such auditing services as OWNER may require to ascertain how or for what purpose any Contractor has used the monies paid under the construction contract.
10. Provide such inspection services (except to the extent provided otherwise in ATTACHMENT A1 and A2) as OWNER may require to ascertain that Contractor (s) are complying with any

law, rule, regulation, ordinance, code or order applicable to their furnishing and performing the work.

11. Provide "record" drawings and specifications for all existing physical plants or facilities which are pertinent to the Project.
 12. Provide written notice to CONSULTANT when the project has been financially closed-out by FAA.
 13. Provide other services, materials, or data as may be set forth in ATTACHMENT A1 and A2.
- B. CONSULTANT shall be entitled to rely on the accuracy and completeness of information or services furnished by the OWNER. If CONSULTANT finds that any information or services furnished by the OWNER is in error or is inadequate for its purpose, CONSULTANT shall promptly notify the OWNER.

ARTICLE 10. OPINIONS OF COST

Opinions of probable project cost, construction cost, financial evaluations, feasibility studies, economic analyses of alternate solutions and utilitarian considerations of operations and maintenance costs provided for in ATTACHMENT A1 and A2, a part hereof, are to be made on the basis of CONSULTANT'S experience and qualifications and represent CONSULTANT'S best judgement as an experienced and qualified design professional. It is recognized, however, that CONSULTANT does not have control over the cost of labor, material, equipment or services furnished by others or over market conditions or contractor's methods of determining their prices, and that any evaluation of any facility to be constructed or reacquired, or work to be performed on the basis of CONSULTANT'S cost opinions, must of necessity, be speculative until completion of construction or acquisition. Accordingly, CONSULTANT cannot and does not guarantee that proposals, bids, or actual costs will not substantially vary from opinions, evaluations or studies submitted by CONSULTANT to OWNER hereunder.

ARTICLE 11. CONSTRUCTION PHASE SERVICES

OWNER acknowledges that it is customary for the architect or engineer who is responsible for the preparation and furnishing of Drawings and Specifications and other construction-related documents to be employed to provide professional services during the Bidding and Construction Phases of the Project, (1) to interpret and clarify the documentation so furnished and to modify the same as circumstances revealed during bidding and construction may dictate, (2) in connection with acceptance of substitute or equal items of materials and equipment proposed by bidders and contractor(s), (3) in connection with approval of shop drawings and same submittals, and (4) as a result of and in response to CONSULTANT'S detecting in advance of performance of affected work inconsistencies or irregularities in such documentation. OWNER agrees that if CONSULTANT is not employed to provide such professional services during the Bidding (if the work is put out for bids) and the Construction Phases of the Project, CONSULTANT will not be responsible for, and OWNER shall indemnify and hold CONSULTANT (and CONSULTANT'S professional associates and consultants) harmless from, all claims, damages, losses and expenses including attorneys' fees arising out of, or resulting from, any interpretation, clarification, substitution acceptance, shop drawing or sample approval or modification of such documentation issued or carried out by OWNER or others. Nothing contained in this paragraph shall be construed to release CONSULTANT (or CONSULTANT'S professional associates or consultants) from liability for failure to perform in accordance with professional standards any duty or responsibility which CONSULTANT has undertaken or assumed under this Agreement.

ARTICLE 12. INSURANCE

CONSULTANT shall procure and maintain insurance for protection from claims against it under workers' compensation acts, claims for damages because of bodily injury including personal injury, sickness or disease or death of any and all employees or of any person other than such employees, and from claims for damages against it because of injury to or destruction of property including loss of use resulting therefrom.

Also, CONSULTANT shall procure and maintain professional liability insurance for protection from claims arising out of performance of professional services caused by any negligent act, error, or omission for which

CONSULTANT is legally liable. However, CONSULTANT hereby states and the OWNER acknowledges, that CONSULTANT has no professional liability (errors and omissions) or other insurance, and is unable to reasonably obtain such insurance, for claims arising out of the performance or failure to perform professional services, including but not limited to the preparation of reports, designs, drawings and specifications, related to the investigation, detection, abatement, replacement, modification, removal or disposal of (1) pollutants or of (2) products, materials or processes containing asbestos. Pollutants herein under (1) above meaning any solid, liquid, gaseous, or thermal irritant or contaminant, including smoke, vapor, soot, alkalis, chemicals and hazardous or toxic waste. Accordingly, the OWNER hereby agrees to bring no claim for non-negligent services, breach of contract, or other cause of action against CONSULTANT, its principals, employees, agents and consultants if such claim in any way arises out of the actual, alleged or threatened discharge, dispersal, release or escape of pollutants, or the investigation of or remedial work related to such pollutants or asbestos in the project. Certificates of insurance will be provided to the OWNER upon request.

ARTICLE 13. INDEPENDENT CONTRACTOR

The CONSULTANT in performance of work hereunder operates as an independent contractor and covenants and agrees that it will conduct itself consistent with such status, that is will neither hold itself out as nor claim to be an officer or employee of the OWNER by reason hereof, and that it will not by reason hereby, make any claim, demand or shall it apply for any right or privilege applicable to an officer or employee of the OWNER, including, but not limited to, worker's compensation coverage, unemployment insurance benefits, social security coverage or retirement membership or credit.

ARTICLE 14. FEDERAL AND STATE PARTICIPATION

Work performed under this Agreement may be financed in part by State and Federal funds. However, payments to CONSULTANT will be made by the OWNER.

The State of Minnesota and the United States are not parties to this Contract and no reference herein to the Mn/DOT, Office of Aeronautics, and to the FAA or any representatives thereof makes the State of Minnesota or the United States a party to the Contract.

ARTICLE 15. COVENANT AGAINST CONTINGENT FEES

The CONSULTANT warrants that no person or legal entity has been employed or retained to solicit or secure this contract upon an Agreement or understanding for a commission, percentage, brokerage, or contingent fee excepting bona-fide employees or bona-fide established commercial or selling agencies maintained by CONSULTANT for the purpose of securing business. For breach or violation of this warranty, the OWNER shall have the right to annul this Agreement without liability or in its discretion to deduct from payment to CONSULTANT the full amount of each commission, percentages, brokerage, or contingent fee.

ARTICLE 16. FEDERAL CONTRACT CLAUSES

If this Agreement is to be financed in part by Federal funds, certain federally-required, contract clauses must be incorporated. These federally-required, contract clauses, included as ATTACHMENT C, are hereby incorporated herein and made a part of this Agreement. The ATTACHMENT C incorporated is for Non-Construction Contract of (check as appropriate):

- \$10,000 or less
- \$10,001 to \$25,000
- \$25,001 to \$100,000 or
- \$100,001 and over

The term "contractor" as used in said ATTACHMENT is understood to mean CONSULTANT.

ARTICLE 17. ASSIGNMENT

This Agreement, being intended to secure the personal service of the individuals employed by and through whom CONSULTANT performs work hereunder, shall not be assigned, sublet or transferred without written consent of the OWNER.

ARTICLE 18. NOTICES

All notices required by law or by this Agreement to be given to the CONSULTANT must be written and may be given personally or by depositing the same in the United States mail, postage prepaid, and addressed to CONSULTANT at such premises and at the following address:

Short Elliott Hendrickson Inc.
3535 Vadnais Center Drive
St. Paul, Minnesota 55110

All notices required or permitted to be given to the OWNER hereunder shall be given by United States mail, postage prepaid, and addressed to:

Matt Wegwerth
Public Works Director/City Engineer
420 North Pokegama Ave.
Grand Rapids, MN 55744

Notice shall be deemed given as of the date said notice is deposited in the mail or personally delivered.

The parties must notify each other promptly in the event of a change in name or address.

ARTICLE 19. CONTROLLING LAW

This Agreement is to be governed by the laws of the State of Minnesota.

ARTICLE 20. SPECIAL CONDITIONS

IN WITNESS WHEREOF, the parties hereto have executed this Agreement the day and year first above written.

City of Grand Rapids, MN

OWNER

Short Elliott Hendrickson Inc.

CONSULTANT

By _____

By  _____

Attest _____

Attachments: A1, A2, B1, B2, C

ATTACHMENT A1
Grand Rapids – Itasca County Airport (GPZ)
Taxiway A (South) Reconstruction Phase 1– Design
Scope of Work

**(Engineer’s Design Report, Final Design, Plans and Specifications, Bidding,
and Closeout)**

General – The existing taxiway is at the end of its useful life and the 2024 project will consist of the design for the reconstruction of the south half of the taxiway, with bidding proposed in 2025 and construction proposed to occur in 2026. A planning study will be conducted on the north half of the taxiway to evaluate current design standards, specifically direct access from the apron at Taxiway A1 and the intersection of Taxiway A and Runway 5/23.

The 2022 PCI for Parallel Taxiway A ranges from 61 to 50. The proposed project would consist of removing the existing bituminous pavement, removing non-suitable aggregate base material, evaluating and repairing subsurface failure, making necessary grade adjustments, and installing new aggregate base and bituminous pavement. The installation of draintile is anticipated along the taxiway edges. New LED taxiway edge lighting, including base cans, conduit, wire, and airfield guidance signs will also be included.

The width of the parallel taxiway is being evaluated by the FAA and eligibility of the pavement will be determined during the design process. It is anticipated that the pavement width will be reduced from 50’ wide to 35’ wide, with fillets constructed at the intersections.

Proposed project limits are included in **Figure 1**.



This work scope includes the engineer's design report, final design, plans and specifications development, bidding, contract award, and Federal closeout report. (construction observation and administration, and construction closeout are excluded.)

The project schedule includes designing throughout 2024 and bidding in Spring 2025.

Project Deliverables – The project deliverables of this scope include the following:

1. Project formulation
2. Engineer's Design Report for South Taxiway A Reconstruction and environmental review
3. Plan drawings for Taxiway A South Reconstruction
4. Construction bidding documents for Taxiway A South Reconstruction
5. FAA construction plans and specifications review
6. Bidding and Contract Award for Taxiway A South Reconstruction
7. Project management
8. Federal project closeout.

This work scope includes:

Work Element 1: Project Formulation

Task 1.1 – Scoping, Review, and Coordination – Short Elliott Hendrickson (SEH and/or Consultant) will coordinate with the City of Grand Rapids and the Grand Rapids-Itasca County Airport (GPZ) (sponsor) to develop the appropriate scope of work. Additional coordination will include task definition and establishment of project goals and objectives. The scoping effort includes five (5) meetings and meeting preparation effort to determine approved FAA alignment. Each meeting will anticipate 4 hours for the meeting and meeting prep and attended by a Principal, Project Manager, and Project Engineer or Planner. The scope of work will be presented to FAA and MnDOT Office of Aeronautics for review and will be updated based on input received.

Task 1.2 – Project Formulation – SEH will complete the project and grant pre-application documentation, environmental review submittals, cost breakdowns and eligibility determinations for the approved scope of work.

Work Element 2: Engineer's Design Report

Task 2.1 – General Scope of Work – SEH will develop a brief narrative of the work scope, delineation of eligible/ineligible work items, any unique or unusual situations, project justification, and historical background on the proposed project.

Task 2.2 – Photographs – SEH will coordinate with GPZ staff to capture photographs of representative areas of existing site conditions of the pavement. The photographs will be included within the report.

Task 2.3 – Applicable AIP Standards – All applicable AIP standards will be referenced in the report by FAA Advisory Circulars. Specific values for design standards as required for Taxiway A will be displayed in table format for airplane design group, approach category, runway and taxiway safety area and object free area dimensions, geometric values and surface gradients.

Task 2.4 – Airport Operational Safety Considerations – SEH will develop a preliminary Construction Safety and Phasing Plan (CSPP) to evaluate proposed phasing and sequencing, construction limits, haul routes, contractor staging areas, and anticipated

impacts to airport users. All airport facilities, including approach procedures and navigational aids, will be evaluated for potential impacts due to construction.

Task 2.5 - Pavement Design – SEH will utilize the geotechnical evaluation and report, including pavement cores and soil borings to evaluate the current pavement condition and underlying soils. The resulting pavement evaluation and identification of soil characteristics will be used with the fleet mix to develop a proposed pavement design thickness and alternatives.

In addition, the master plan identified the design aircraft for pavement design. GPZ will provide operations data for historical operations and will facilitate discussions with airport tenants and users pertaining to projected future operations.

Task 2.6 – Drainage Design – SEH will evaluate the existing drainage and subsurface drainage systems. Exploration of the drainage area and stormwater runoff calculations will be determined to confirm current drainage and stormwater treatment features. Design of pavement edge drains will be included.

Task 2.7 – Airfield Lighting and Signage – Design of Airfield lighting will be included in the report. Lighting to be included is LED taxiway edge lighting and airfield signage.

Task 2.8 – Navigational Aids – NAVAIDs will not be included in the taxiway project.

Task 2.9 – Pavement Marking – SEH will develop a preliminary pavement marking plan and details to be included as part of the report.

Task 2.10 – Environmental Considerations – SEH will complete a request for environmental Categorical Exclusion (CATEX) for the Taxiway A project. It is assumed a documented CATEX will be required. SEH will also identify necessary permits, including but not limited to NPDES and developing a Stormwater Pollution Prevention Plan (SWPPP) in concert with preliminary erosion control plans. No field work will be completed with this portion of the project.

Task 2.11 – Existing Utilities – SEH will develop a drawing that identifies and delineates existing underground utilities in and adjacent to the area of Runway 17-35.

Task 2.12 – Miscellaneous Work Items – SEH will provide a narrative to address other work components of the project, such as turf establishment, site access, and other related work items.

Task 2.13 – Life Cycle Cost Analysis – A Life Cycle Cost Analysis will not be included with this project.

Task 2.14 – Modification to AIP Design Standards – No modifications to design standards are anticipated, but this task will explore all preliminary design to confirm that no modifications to design standards will be requested.

Task 2.15 – AIP Non-eligible Work Items – Any potential non-eligible work items will be identified. If non-eligible work items are identified, the process for separating these work components from eligible components will be addressed.

Task 2.16 – Disadvantaged Business Enterprise (DBE) – The current status of the Sponsor's DBE program will be established, together with project goals for the Taxiway A Reconstruction project.

Task 2.17 – Project Schedule – SEH will develop a schedule and associated chart to identify the project schedule specific to the Taxiway A Reconstruction, and milestones during the design and bidding process.

Task 2.18 – Engineer’s Estimate of Probable Cost – SEH to provide an itemized summary of the engineer’s estimate of probable construction costs. Any ineligible work components will be called out separately.

Task 2.19 – Preliminary Project Budget – SEH will develop a preliminary project budget that will include anticipated engineering costs, construction costs, and administrative costs. Potential funding sources and prorations will also be included.

Work Element 3: Plan Drawings for Taxiway A South Reconstruction

Final design and plan drawings for Taxiway A (South), will be prepared in accordance with federal and state guidelines. FAA Advisory Circular (AC) 150/5300-13B, *Airport Design*, will be utilized in the development of the plan set. Other applicable ACs, FAA Orders, Regulations and Policy Memorandums will be used as needed. Specific tasks included with this work element include:

Task 3.1 – Environmental Coordination and Permits – SEH will refine the draft Stormwater Pollution Prevention Plan (SWPPP) and erosion control plans completed as part of the Engineer’s Design Report. Additionally, the scope of work includes completion and/or coordination of the following permits:

- MPCA NPDES permit application

Task 3.2 – Survey

Task 3.2.1 Topographic Survey - SEH will complete a comprehensive field survey of topography for the full length of Taxiway A as well as tie-in information for the adjacent taxiway connectors and ditch networks.

Task 3.3 – Construction Safety and Phasing Plan Development – SEH will refine and update the preliminary Construction Safety and Phasing Plan (CSPP) that was developed as part of the Engineer’s Design Report. SEH will meet with GPZ staff, airfield tenants and users to evaluate potential risks and determine appropriate mitigation tactics. The preliminary CSPP will be enhanced to determine final phasing and sequencing, construction limits, haul routes, contractor staging areas, and anticipated impacts to airport users and airfield facilities. A final CSPP will be uploaded to OE/AAA for FAA airspace review.

Task 3.4 – Detailed Final Design – Detailed final design to include establishment of final plan/profile, grading analysis, final pavement design, electrical design, surface and subsurface drainage design, including draitile and other related project elements.

Task 3.5 – Construction Plan Sheets – Specific plan sheets to be developed and included in the plan set are as follows:

- Title Sheet
- Construction Safety Plan
- Construction Phasing Plan
- Statement of Estimated Quantities
- Details and Construction Notes
- Utility Locations Plan
- Typical Section(s)
- Removal Plan
- Erosion Control Plan and Details
- Topography and Draitile Design
- Alignment Plan

- Pavement Marking Plan and Details
- Standard Plates
- Electrical Layout and Details, including taxiway edge lighting and signage

Task 3.6 – Quality Control Site Visit – SEH will conduct a quality control site visit during final design to verify base maps, utility locations, light locations, grades, and other relevant site features to ensure conformance to bidding documents.

Work Element 4: Construction Bidding Documents for Taxiway A South Reconstruction

Elements of the Construction Bidding Documents will be prepared in accordance with FAA Advisory Circulars (AC) 150/5300-13B, *Airport Design* and other applicable AC's, Orders, Regulations and Policy Memorandums. Specific tasks included with this work element include:

Task 4.1 – Construction Bidding Documents – A bid proposal project manual will be prepared that will consist of a table of contents, advertisement for bids, proposal documents, schedule of prices, State and Federal requirements, wage rates, technical specifications, and special provisions.

Task 4.2 – Construction Management Plan – A Construction Management Plan (CMP) and reporting program will be prepared per FAA guidelines and requirements.

Work Element 5: FAA Construction Plans and Specifications Full Review

Task 5.1 – FAA Coordination – SEH will coordinate with the FAA on submitting a 90% complete set of construction plans and specifications for FAA review.

Task 5.2 – Completion of Appendix 3, “Full Review Guide” – SEH will complete Appendix 3 “Construction Plans and Specifications “Full Review Guide” and submit the document with the 90% plans and specifications

Task 5.3 – Review and Address FAA Comments – SEH will review and address all FAA comments on the plans and specifications and develop documentation to track any comments received and how those comments were addressed.

Work Element 6: Bidding and Award

This task includes publishing the bidding documents, obtaining bids, and providing a recommendation for the award of the project.

Task 6.1 – Bidding –This task includes responding to questions from perspective bidders and issuing addenda as needed. Assisting the sponsor with obtaining construction bids for the project, including arranging for bid advertisement, attending bid opening and tabulating bid results.

Task 6.2 – Award –This task includes providing a recommendation of award of contractor to the Sponsor and assisting with requesting an FAA and State grant for the project.

Work Element 7: Project Management

This task includes the overall project management of Work Elements 1 through 7 noted above. Project Management includes administration of the project, design team meetings, agency and

Sponsor meetings, airfield user and tenant outreach meetings, and related project administration tasks.

Task 7.1 – Design Team Meetings –This task includes weekly meetings by the design team to discuss project elements, schedule, issues, and provide coordination between team members. It is anticipated to have 8 meetings for one hour each.

Task 7.2 – Agency Meetings –This task includes meetings by the design team, MnDOT Office of Aeronautics, FAA ADO, GPZ staff, and other individuals and agencies as needed, to discuss the project design development, schedule, and any other related items. It is anticipated to have 2 meetings for three hours each.

Task 7.3 – Public Involvement Meetings and Notifications – This task includes specific meetings with airfield businesses, airfield tenants, terminal tenants, City meetings, and other critical stakeholders to provide updates on the status of the project and address any issues or concerns. This task also includes coordination with MnDOT regarding the project schedule, any impacts to MnDOT owned equipment, and other coordination items. Project mailing and notifications will be sent out to the stakeholders.

Task 7.4 – Overall Project Management –This task includes project coordination and administration, including Sponsor and agency communication, internal meetings, subconsultant oversight, progress reports, budget updates and monthly invoices.

Work Element 8: Closeout Report

Task 8.1 – Federal Closeout Report – The Consultant will prepare a “Project Closeout Report” as required by the FAA and using “Sponsors Guide to Quality Project Closeout Report Requirements” (FAA Publication). This effort will be specific for the design portion of the project.

Expenses:

1. Braun Intertec, St. Cloud, Minnesota will be completing the geotechnical investigation and report for the Taxiway A Reconstruction.
2. BARR Engineering Electrical and circuitry design will be performed by Barr Engineering, of Minneapolis, Minnesota.

March 21, 2024

Proposal QTB193454

Lindsay Reidt, PE
Short Elliott Hendrickson, Inc.
3535 Vadnais Center Drive
Saint Paul, MN 55110

Re: Proposal for a Geotechnical Evaluation
Proposed Taxiway A Reconstruction
Grand Rapids – Itasca County Airport
1500 7th Avenue Southeast
Grand Rapids, Minnesota

Dear Ms. Reidt:

Braun Intertec Corporation respectfully submits this proposal to complete a geotechnical evaluation for the proposed reconstruction of Taxiway A at the referenced site.

Project Information

Per our correspondence, the project will consist of reconstructing Taxiway A. We understand that the design and construction of the project will be completed in two phases (North and South), with the design and reconstruction of the South portion planned to take place first. As discussed, we will provide one geotechnical evaluation report to be used for both phases.

The taxiway is approximately 5,800 feet long, 50 feet wide, and is currently bituminous pavement. The locations of the soil borings will be surveyed and staked by Short Elliott Hendrickson, Inc. (SEH) prior to our drilling.

Purpose

The purpose of our geotechnical evaluation will be to characterize existing pavement and subsurface geologic conditions at selected exploration locations and evaluate their impact on the design and reconstruction of Taxiway A.

Scope of Services

We propose the following tasks to help achieve the stated purpose. If we encounter unfavorable or unforeseen conditions during the completion of our tasks that lead us to recommend an expanded scope of services, we will contact you to discuss the conditions before resuming our services.

Site Access

Based on aerial photographs and previous site visits, it appears that the boring locations are accessible to a truck drill rig. We understand our field work will be completed during daylight hours. We assume there will be no cause for delays in accessing the exploration locations.

Depending on access requirements, ground conditions or potential utility conflicts, our field crew may alter the exploration locations from those proposed to facilitate accessibility.

Utility Clearance

Prior to drilling or excavating, we will contact Gopher State One Call and arrange for notification of the appropriate utility vendors to mark and clear the exploration locations of public underground utilities. You, or your authorized representative, are responsible to notify us before we begin our work of the presence and location of any underground objects or private utilities that are not the responsibility of public agencies.

Pavement Coring

We will core pavements at the soil boring locations in Taxiway A. The cores will be extracted and visually evaluated. Thicknesses and pavement condition of the cores will be reported. We understand this work will take place when temperatures are above freezing.

Penetration Test Borings

As requested, we will drill 20 standard penetration test (SPT) borings for the project, extending them to 10 feet. Standard penetration tests will be performed continuously in the upper 5 feet and at 2 1/2-foot vertical intervals at greater depths. We will collect bag samples from the auger cuttings of the subgrade for laboratory testing.

If the borings encounter groundwater during or immediately after drilling of each boring, we will record the observed depth on the boring logs.

If the intended boring depths do not extend through unsuitable material, we will extend the borings at least 5 feet into suitable material at greater depths. If we identify a need for deeper (or additional) borings, we will contact you prior to increasing our total estimated drilled footage and submit a Change Order summarizing the anticipated additional effort and the associated cost, for your review and authorization.

MDH Notification and Sealing Record

Since our planned exploration will be less than 15 feet in depth, the Minnesota Statutes will not require that we complete any notifications or sealing records. If we extend any of the borings to a depth of 15 feet or greater, the Statutes requires that we seal the boreholes and complete a Sealing Record. If 25 feet or greater, the Statutes also require us to complete a Sealing Notification Form. If the Record or Form are required, we will contact you to discuss the additional fees and sealing requirements.

Borehole Abandonment

After completing the soil borings, the borings will be backfilled with cuttings and patched with bituminous cold patch. Over time, subsidence of borehole backfill may occur, requiring surface grades to be re-leveled or patches to be replaced. Braun Intertec is not assuming responsibility for re-leveling or re-patching subsequent to initial backfilling and patching long term.

Sample Review and Laboratory Testing

We will return recovered samples to our laboratory, where a geotechnical engineer will visually classify and log them. To help classify the materials encountered and estimate the engineering properties necessary to our analyses, we anticipate performing 15 moisture content tests, 5 mechanical analyses (through a #200 sieve only), 3 Atterberg limits tests, 3 sieve hydrometer analyses, 3 standard Proctor tests, and 3 California Bearing Ratio tests. We will adjust the actual number and type of tests based on the results of our borings.

Report

We will prepare a report including:

- A sketch showing the boring locations.
- Logs of the borings describing the materials encountered and presenting the results of our groundwater measurements and laboratory tests.
- A summary of the subsurface profile and groundwater conditions.
- Discussion identifying the subsurface conditions that will impact pavement design and construction.
- Discussion regarding the reuse of on-site materials during construction.
- Recommendations for preparing pavement subgrades, and the selection, placement, and compaction of fill.
- Recommended CBR value to aid in pavement design.

We will only submit an electronic copy of our report to you unless you request otherwise. At your request, we can also send the report to additional project team members.

Schedule

We anticipate performing our work according to the following schedule.

Drill rig mobilization – We understand that approval to proceed is planned for late Summer 2024. Drilling can be scheduled within about 6 weeks following receipt of written authorization

- Field exploration – 2 days on site to complete the work
- Classification and laboratory testing – within 3 weeks after completion of field exploration
- Preliminary results – within 2 weeks after completion of field exploration
- Final report submittal – within 5 weeks after completion of field exploration

If we cannot complete our proposed scope of services according to this schedule due to circumstances beyond our control, we may need to revise this proposal prior to completing the remaining tasks.

Fees

We will furnish the services described in this proposal for a lump sum fee of \$20,465, Please note that our drilling/field services were budgeted to occur within our normal work hours of 7:00 a.m. to 5:00 p.m., Monday through Friday. If conditions occur that require us to work outside of these hours discussed, we will request additional fees to cover our additional costs. Our work may extend over several invoicing periods. As such, we will submit partial progress invoices for work we perform during each invoicing period.

General Remarks

We will be happy to meet with you to discuss our proposed scope of services further and clarify the various scope components.

We appreciate the opportunity to present this proposal to you. Please sign and return a copy to us in its entirety.

We based the proposed fee on the scope of services described and the assumptions that you will authorize our services within 30 days and that others will not delay us beyond our proposed schedule.

Our services will be provided under the terms of our Master Subcontractor Agreement dated March 19, 2024.

To have questions answered or schedule a time to meet and discuss our approach to this project further, please contact Aaron Tast at 320.980.3504 (atast@braunintertec.com).

Sincerely,

BRAUN INTERTEC CORPORATION



Colin L. Anderson, PE
Project Engineer



Aaron M. Tast
Aviation Account Leader



Joseph C. Butler, PE
Business Unit Leader, Senior Engineer

The proposal is accepted, and you are authorized to proceed.

Authorizer's Firm

Authorizer's Signature

Authorizer's Name (please print or type)

Authorizer's Title

Date

March 18, 2024

Ms. Lindsay Reidt, PE
SHORT, ELLIOTT, HENDRICKSON, INC.
3535 Vadnais Center Drive
St. Paul, Minnesota 55110

**RE: GRAND RAPIDS, MN AIRPORT (GPZ) – TAXIWAY A EDGE LIGHTS
PROPOSAL FOR ELECTRICAL ENGINEERING SERVICES**

Dear Lindsay:

Thank you for contacting us regarding electrical engineering services for design of the Grand Rapids, MN Airport (GPZ) Taxiway A Edge Lighting project, which will include installation of new LED MITL's. We are providing this letter to outline our understanding of the project, our proposed scope of services, and our proposed fees for the design and bid phase of the project.

PROJECT DESCRIPTION

We understand that the Grand Rapids Airport will undertake a project to provide new LED MITL edge lights on Taxiway A. We understand from your email of March 12, 2024, that the project is anticipated to be constructed in two phases – one for the south half of the taxiway and one for the north half.

We have provided design projects on past projects at GPZ, and therefore we do not anticipate the need for a design-phase site verification visit. From photos and records that we have, it appears that the existing regulators are from 2008 and therefore we will plan to show replacement of the existing Taxiway A regulator. However, the existing L-854 control system appears to be in accordance with MNDOT Office of Aeronautics standards and therefore we plan to keep that in place as presently installed.

This proposal is intended to outline our scope of service pertaining to design and bid phase activities. However, we are not including construction phase services in this proposal. Such services may be provided in a separate, future proposal.

SCOPE OF SERVICES

In support of your efforts, Barr proposes to provide the following subconsultant services to Short, Elliott, Hendrickson (SEH):

1. Provide electrical design and circuiting redlines for SEH to incorporate on the AutoCAD drawing of the airfield plan, as has been our usual method on similar past projects.
2. Provide electrical design redlines for detail sheets for SEH to incorporate in their AutoCAD drawings, as has been our usual method for airfield related details.
3. Provide electrical vault plan and electrical schematic sheets (one each, total of 2 sheets) produced by Barr in AutoCAD format.
4. Provide technical specifications for the electrical work.
5. Bid-phase assistance including addressing questions which may arise from bidders and addenda items as necessary.
6. As mentioned above construction phase services are not included in the scope of this proposal.

PROPOSED FEE

Barr Engineering proposes to provide the outlined scope of services to SEH for a lump sum fee of \$5,900.

Services are billed monthly according to the work complete.

Thank you for the opportunity to present this proposal. We look forward to working with you on this project.

Sincerely,

BARR ENGINEERING CO.

Mark E. Ziemer, P.E.

Senior Electrical Engineer

**ATTACHMENT B1
ESTIMATED FEES AND EXPENSES
TAXIWAY A (SOUTH) RECONSTRUCTION PHASE 1 - DESIGN
GRAND RAPIDS-ITASCA COUNTY AIRPORT (GPZ)
GRAND RAPIDS, MINNESOTA**

Task No.	Task Description	Project Manager	Project Engineer	Aviation Planner	Senior Technician	Survey Crew Chief	Instrument Operator	Environmental Scientist	Admin Technician
Project Formulation									
1.1	Scoping, Review, and Coordination	10	10	4					8
1.2	Project Formulation	4	8	4					2
Engineer's Design Report									
2.1	General Scope of Work	1	2						
2.2	Photographs		2						
2.3	Applicable AIP Standards	1	2	1					
2.4	Airport Operational Safety Considerations	1	2		2				
2.5	Pavement Design	1	2						
2.6	Drainage Design	1	10		2				
2.7	Airfield Lighting and Signage	1	8		2				
2.8	Navigational Aids								
2.9	Pavement Marking	1	2		2				
2.10	Environmental Considerations	1	2	2				4	
2.11	Existing Utilities	1	2		2				
2.12	Miscellaneous Work Items	1	2						
2.13	Life Cycle Cost Analysis	1	4						
2.14	Modification to AIP Design Standards	1	2						
2.15	AIP Non-eligible Work Items	1	2						
2.16	Disadvantaged Business Enterprise (DBE)		16						2
2.17	Project Schedule	4	4	2					
2.18	Engineer's Estimate of Probable Cost	4	8						
2.19	Preliminary Project Budget	4	4						
Plan Drawings for Taxiway A South Reconstruction									
3.1	Environmental Coordination and Permits	4	8	5				8	
	<i>MPCA NPDES/SWPPP Permit</i>		16		4				
3.2	Survey	2	8	4				8	
3.2.1	Topographic Survey		20		4	40	40		
3.3	Construction Safety and Phasing Plan Development	4	16	4	4				
3.4	Detailed Final Design	4	20		20				
3.5	Construction Plan Sheets								
	<i>Title Sheet</i>				1				
	<i>Construction Safety Plan</i>	1	1		1				
	<i>Construction Phasing Plans</i>	2	2		2				
	<i>Statement of Estimated Quantities</i>	1	4		2				
	<i>Details and Construction Notes</i>	1	2		1				
	<i>Utility Locations Plan</i>		2		2				
	<i>Typical Section(s)</i>	1	2		1				
	<i>Removal Plan</i>	1	2		2				
	<i>Erosion Control Plan and Details</i>	1	4		2				
	<i>Topography and Drainage Drawings</i>	4	20		4				
	<i>Alignment Plan</i>		2		2				
	<i>Pavement Marking Plan and Details</i>	1	4		2				
	<i>Standard Plates</i>		2		2				
	<i>Electrical Layout and Details</i>	4	20		8				
3.6	Quality Control Site Visit	12	12						
Construction Bidding Documents for Taxiway A South Reconstruction									
4.1	Construction Bidding Documents	10	20						8
4.2	Construction Management Plan (CMP)	4	8						
FAA Construction Plans and Specifications Full Review									
5.1	FAA Coordination	8	8	4					
5.2	Completion of Appendix 3	0	4						
5.3	Review and Address FAA Comments	4	8		8				
Bidding and Award									
6.1	Bidding	8	8	2	2				4
6.2	Award	6	5	2	2				4
Project Management									
7.1	Design Team Meetings	8	8	4	8				4
7.2	Agency Meetings	8	6	2	2				
7.3	Public Involvement Meetings and Notifications	8	8	4	4				
7.4	Overall Project Management	30	8	4					4
Closeout Report									
8.1	Federal Closeout Report	4	8	2					4
Total hours per labor category		180	360	50	100	40	40	20	40

ESTIMATE OF LABOR COSTS:

Labor Category	Hours	Rate	Extension
Project Manager	180	\$80.83	\$14,549.22
Project Engineer	360	\$48.75	\$17,550.54
Aviation Planner	50	\$39.61	\$1,980.30
Senior Technician	100	\$48.29	\$4,828.95
Survey Crew Chief	40	\$43.81	\$1,752.24
Instrument Operator	40	\$43.81	\$1,752.24
Environmental Scientist	20	\$38.75	\$774.90
Admin Technician	40	\$35.61	\$1,424.22
Total Direct Labor Costs:	830		\$44,612.61
Direct Salary Costs plus Overhead			\$84,763.96
Total Labor Costs			\$129,376.57
Fixed Fee on Labor Costs (15%)			\$19,406.49

ESTIMATE OF EXPENSES:

Direct Expenses	Quantity	Rate	Extension
Geotechnical Engineering (Braun Intertec) - Subconsultant	1	\$20,465.00	\$20,465.00
BARR Electrical Engineering	1	\$5,900.00	\$5,900.00
Computer Charge	830	\$5.55	\$4,606.50
Survey Equipment (Total Station)	40	\$45.00	\$1,800.00
Survey Equipment (GPS)	40	\$45.00	\$1,800.00
Survey Van	40	\$4.90	\$196.00
Tier 4 drone / LIDAR Rental Fee	1	\$2,200.00	\$2,200.00
Ground Control Rental Fee	1	\$300.00	\$300.00
SEH Drone Vehicle (Hrs)	12	\$4.90	\$58.80
Employee Mileage	2000	\$0.67	\$1,340.00
Reproductions / Miscellaneous	1	\$1,000.00	\$1,000.00
Total Expenses			\$39,666.30

SUMMARY:

Total Labor Costs + Expenses + Fixed Fee	\$188,449.36
Estimated Total	\$188,400.00

ATTACHMENT A2
Grand Rapids – Itasca County Airport (GPZ)
Taxiway A (North) Planning Study
Scope of Work
(Planning Study and Closeout)

General – The existing taxiway is at the end of its useful life and the 2024 project will consist of the design for the reconstruction of the south half of the taxiway (2,800 feet), with bidding proposed in 2025 and construction proposed to occur in 2026. A planning study will be conducted on the north half of the taxiway (2,900 feet from the Runway 16 end of the taxiway through connector taxiway A3) to evaluate current design standards, specifically direct access from the apron at Taxiway A1 and the intersection of Taxiway A and Runway 5/23.

The existing intersection between crosswind Runway 5/23 and parallel Taxiway A does not meet design standards. Parallel Taxiway A does not meet the runway at a 90-degree angle which is considered a safety hazard to pilots and visibility to both runway ends while crossing or taxiing to takeoff on the runway. This study will evaluate alternatives and solutions to meet design standards.

Proposed project limits are included in **Figure 1**.



This work scope includes the north taxiway planning study and Federal closeout report.

Project Deliverables – The project deliverables of this scope include the following:

1. Project formulation
2. Taxiway A North Planning Study & Airport Layout Plan Update
3. Taxiway A Airports Geographic Information System (AGIS)
4. Project management
5. Federal project closeout.

This work scope includes:

Work Element 1: Project Formulation

Task 1.1 – Scoping, Review, and Coordination – Short Elliott Hendrickson (SEH and/or Consultant) will coordinate with the City of Grand Rapids and the Grand Rapids-Itasca County Airport (GPZ) (sponsor) to develop the appropriate scope of work. Additional coordination will include task definition and establishment of project goals and objectives. The scope of work will be presented to FAA and MnDOT Office of Aeronautics for review and will be updated based on input received.

Task 1.2 – Project Formulation – SEH will complete the project and grant application documentation, environmental review submittals, cost breakdowns and eligibility determinations for the approved scope of work.

Work Element 2: Project Management

This task includes the overall project management of the planning study. Project Management includes administration of the project, project team meetings, agency and Sponsor meetings, and related project administration tasks.

Task 2.1 – Project Team Meetings –This task includes bi-weekly meetings by the project team to discuss project elements, schedule, issues, and provide coordination between team members. It is anticipated to have 10 virtual meetings for one hour each.

Task 2.2 – Planning Study Agency Meetings - This task includes three virtual meetings for the planning study by the consultant team, MnDOT Office of Aeronautics, FAA ADO, GPZ staff, and other individuals and agencies as needed to discuss the elements determined through the study. One meeting will be to evaluate the draft materials and alternatives, one meeting will finalize the alternatives, and the last meeting will be to review the final documentation.

Task 2.3 – Overall Project Management –This task includes project coordination and administration, including Sponsor and agency communication, subconsultant oversight, progress reports, budget updates, and monthly invoices.

Work Element 3: Taxiway A North Planning Study & Airport Layout Plan (ALP) Update

There are two design elements to address with the north half of Taxiway A. These elements will be reviewed throughout this planning study.

Task 3.1 – Validate Airplane Design Group (ADG) / Taxiway Design Group (TDG) – No new critical aircraft determination or forecast will be required. The FAA ADO has accepted ADG II/TDG 2A as the critical aircraft for Runway 16/34 and for use in the Taxiway A reconstruction design. Only a review of the Calendar Year 2023 TFMSC data will be needed to validate the existing critical aircraft. The aviation forecasts from the previous Master Plan study were approved August 5, 2019, with a RDC of B-II large.

Task 3.2 – Direct Access – Direct access from the apron area to the Runway 16 end of the runway will be evaluated. Three (3) alternatives will be developed to mitigate this design standard based on FAA Advisory Circular (AC) 150/5300-13B, *Airport Design*. Per previous discussions with the FAA ADO, one of the alternatives will consider removing any direct taxiway access connection from the apron to the Runway 16 end and expanding the existing apron taxilane near the tie-downs to meet ADG II/TDG 2A standards.

Task 3.3 – Taxiway A and Runway 5/23 Intersection – The existing intersection between Taxiway A and the Runway 5 end does not meet design standards as documented in AC 150/5300-13B. Four (4) alternatives will be developed to determine the best layout for this intersection that meets standards. This alternative analysis will not necessarily be limited to the existing Runway 5 end. The alternatives will be evaluated, a practicability assessment will be completed, and a proposed solution will be sent to the FAA ADO for consideration. Potential wetland impacts will be considered with the alternatives analysis using existing wetland data available from previous projects at the airport and existing sources. No wetland field work is included with this planning study.

Task 3.4 – Planning Study Report – This task includes completing the planning study report documenting the findings from the alternative analysis and documenting the process completed for this project. The FAA Standard Operating Procedure (SOP) for FAA Review and Approval of ALPs (ARP SOP 2.00, effective October 1, 2013), Narrative Report section, will be utilized for the preparation of the report. The report will include the following sections:

- Executive Summary
- Aeronautical Forecasts – Critical Aircraft Validation based on Task 3.1 above
- Alternatives and Proposed Development
- Runway Protection Zone description (if applicable for Runway 5/23)
- Development Summary for development/inclusion in the Capital Improvement Plan
- Environmental Overview

Task 3.5 – ALP Update – This task includes updating the conditionally approved 2018 Airport Layout Plan based on the results of this planning study. All sheets depicting the elements changed through this planning study will be updated. The FAA Standard Operating Procedure (SOP) for FAA Review and Approval of ALPs (ARP SOP 2.00, effective October 1, 2013) will be utilized in the preparation of the ALP update. The ALP set will be prepared in AutoCAD. Coordinates will be shown in NAD 83 datum and elevations in NAVD 88 datum.

Deliverables: FAA, MnDOT, and locally accepted (airport sponsor) Planning Study report.

Draft Planning Study: An electronic copy (via OneDrive) of the final draft Planning Study will be submitted to the airport sponsor, MnDOT, and the FAA for review.

Final Planning Study: An electronic copy (via OneDrive) of the final report will be submitted to the airport sponsor, MnDOT, and the FAA for their files.

Work Element 4: Closeout Report

Task 4.1 – Federal Closeout Report – The Consultant will prepare a “Project Closeout Report” as required by the FAA and using “Sponsors Guide to Quality Project Closeout Report Requirements” (FAA Publication). This effort will be specific for the design portion of the project.

**ATTACHMENT B2
ESTIMATED FEES AND EXPENSES
TAXIWAY A (NORTH) PLANNING STUDY
GRAND RAPIDS-ITASCA COUNTY AIRPORT (GPZ)
GRAND RAPIDS, MINNESOTA**

Task No.	Task Description	Project Manager/Senior Planner	Project Engineer	Aviation Planner	Project Coordinator
<i>Project Formulation</i>					
1.1	Scoping, Review, and Coordination	6	2		2
1.2	Project Formulation	2	1		2
<i>Project Management</i>					
2.1	Project Team Meetings (10 virtual meetings)	10	4	10	
2.2	Agency Meetings (3 virtual meetings)	10	6	6	
2.3	Overall Project Management	10	2		8
<i>Taxiway A North Planning Study & ALP Update</i>					
3.1	Validate ADG / TDG	8	2	10	
3.2	Direct Access	10	6	30	
3.3	Taxiway A and Runway 5/23 Intersection	20	10	60	
3.4	Planning Study Report	20	2	20	
3.5	ALP Update	4	2	20	
<i>Closeout Report</i>					
4.1	Federal Closeout Report	2		6	2
Total hours per labor category		102	37	162	14

ESTIMATE OF LABOR COSTS:

Labor Category	Hours	Rate	Extension
Project Manager/Senior Planner	102	\$72.03	\$7,347.06
Project Engineer	37	\$50.13	\$1,854.81
Aviation Planner	162	\$37.72	\$6,110.64
Project Coordinator	14	\$42.18	\$590.52
Total Direct Labor Costs:	315		\$15,903.03
Direct Salary Costs plus Overhead			\$30,215.76
Total Labor Costs			\$46,118.79

Fixed Fee on Labor Costs (15%)

\$6,917.82

ESTIMATE OF EXPENSES:

Direct Expenses	Quantity	Rate	Extension
Computer Charge	315	\$5.55	\$1,748.25
Reproductions / Miscellaneous	1	\$100.00	\$100.00
Total Expenses			\$1,848.25

SUMMARY:

Total Labor Costs + Expenses + Fixed Fee

\$54,884.86

Estimated Total

\$54,900.00

ATTACHMENT C

ACCESS TO RECORDS AND REPORTS

The Contractor must maintain an acceptable cost accounting system. The Contractor agrees to provide the sponsor, the Federal Aviation Administration, and the Comptroller General of the United States or any of their duly authorized representatives, access to any books, documents, papers, and records of the contractor which are directly pertinent to the specific contract for the purpose of making audit, examination, excerpts and transcriptions. The Contractor agrees to maintain all books, records and reports required under this contract for a period of not less than three years after final payment is made and all pending matters are closed.

BREACH OF CONTRACT TERMS

Any violation or breach of terms of this contract on the part of the consultant or its 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.

Owner will provide Consultant written notice that describes the nature of the breach and corrective actions the Consultant must undertake in order to avoid termination of the contract. Owner reserves the right to withhold payments to Consultant until such time the Consultant corrects the breach or the Owner elects to terminate the contract. The Owner's notice will identify a specific date by which the Consultant must correct the breach. Owner may proceed with termination of the contract if the Consultant fails to correct the breach by deadline indicated in the Owner's notice.

The duties and obligations imposed by the Contract Documents and the rights and remedies available thereunder are in addition to, and not a limitation of, any duties, obligations, rights and remedies otherwise imposed or available by law.

GENERAL CIVIL RIGHTS PROVISIONS

In all its activities within the scope of its airport program, the Contractor agrees to comply with pertinent statutes, Executive Orders, and such rules as identified in Title VI List of Pertinent Nondiscrimination Acts and Authorities to ensure that no person shall, on the grounds of race, color, national origin (including limited English proficiency), creed, sex (including sexual orientation and gender identity), age, or disability be excluded from participating in any activity conducted with or benefiting from Federal assistance.

This provision is in addition to that required by Title VI of the Civil Rights Act of 1964.

Title VI Solicitation Notice:

The **Sponsor**, in accordance with the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252, 42 U.S.C. §§ 2000d to 2000d-4) and the Regulations, hereby notifies all bidders or offerors that it will affirmatively ensure that for any contract entered into pursuant to this advertisement, [select businesses, or disadvantaged business enterprises or airport concession disadvantaged business enterprises] will be afforded full and fair opportunity to submit bids in response to this invitation and no businesses will be discriminated against on the grounds of race, color, national origin (including limited English proficiency), creed, sex (including sexual orientation and gender identity), age, or disability in consideration for an award.

Title VI List of Pertinent Nondiscrimination Acts and Authorities

During the performance of this contract, the Contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the "Contractor") agrees to comply with the following non-discrimination statutes and authorities; including but not limited to:

Title VI of the Civil Rights Act of 1964 (42 USC § 2000d *et seq.*, 78 stat. 252) (prohibits discrimination on the basis of race, color, national origin);

49 CFR part 21 (Non-discrimination in Federally-Assisted programs of the Department of Transportation—Effectuation of Title VI of the Civil Rights Act of 1964);

The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 USC § 4601) (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);

Section 504 of the Rehabilitation Act of 1973 (29 USC § 794 *et seq.*), as amended (prohibits discrimination on the basis of disability); and 49 CFR part 27 (Nondiscrimination on the Basis of Disability in Programs or Activities Receiving Federal Financial Assistance);

The Age Discrimination Act of 1975, as amended (42 USC § 6101 *et seq.*) (prohibits discrimination on the basis of age); Airport and Airway Improvement Act of 1982 (49 USC § 47123), as amended (prohibits discrimination based on race, creed, color, national origin, or sex);

The Civil Rights Restoration Act of 1987 (PL 100-259) (broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, the Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms “programs or activities” to include all of the programs or activities of the Federal-aid recipients, sub-recipients and contractors, whether such programs or activities are Federally funded or not);

Titles II and III of the Americans with Disabilities Act of 1990 (42 USC § 12101, *et seq*) (prohibit discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities) as implemented by U.S. Department of Transportation regulations at 49 CFR parts 37 and 38;

The Federal Aviation Administration’s Nondiscrimination statute (49 USC § 47123) (prohibits discrimination on the basis of race, color, national origin, and sex);

Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations (ensures nondiscrimination against minority populations by discouraging programs, policies, and activities with disproportionately high and adverse human health or environmental effects on minority and low-income populations);

Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of limited English proficiency (LEP). To ensure compliance with Title VI, you must take reasonable steps to ensure that LEP persons have meaningful access to your programs [70 Fed. Reg. 74087 (2005)];

Title IX of the Education Amendments of 1972, as amended, which prohibits you from discriminating because of sex in education programs or activities (20 USC § 1681, *et seq.*).

Compliance with Nondiscrimination Requirements

During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the “contractor”) agrees as follows:

1. **Compliance with Regulations:** The contractor (hereinafter includes consultants) will comply with the Title VI List of Pertinent Nondiscrimination Acts And Authorities, as they may be amended from time to time, which are herein incorporated by reference and made a part of this contract.
2. **Non-discrimination:** The Contractor, with regard to the work performed by it during the contract, will not discriminate on the grounds of race, color, national origin (including limited English proficiency), creed, sex (including sexual orientation and gender identity), age, or disability in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The Contractor will not participate directly or indirectly in the discrimination prohibited by the Nondiscrimination Acts and Authorities, including employment practices when the contract covers any activity, project, or program set forth in Appendix B of 49 CFR part 21.
3. **Solicitations for Subcontracts, Including Procurements of Materials and Equipment:** In all solicitations, either by competitive bidding, or negotiation made by the contractor for work to be performed under a subcontract, including procurements of materials, or leases of equipment, each potential subcontractor or supplier will be notified by the contractor of the contractor’s obligations under this contract and the Nondiscrimination Acts And Authorities on the grounds of race, color, or national origin.
4. **Information and Reports:** The contractor will provide all information and reports required by the Acts, the Regulations, and directives issued pursuant thereto and will 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 to be pertinent to ascertain compliance with such Nondiscrimination Acts And Authorities and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish the information, the contractor will so certify to the sponsor or the Federal Aviation Administration, as appropriate, and will set forth what efforts it has made to obtain the information.

5. **Sanctions for Noncompliance:** In the event of a contractor's noncompliance with the Non-discrimination provisions of this contract, the sponsor will impose such contract sanctions as it or the Federal Aviation Administration may determine to be appropriate, including, but not limited to:
 - a. Withholding payments to the contractor under the contract until the contractor complies; and/or
 - b. Cancelling, terminating, or suspending a contract, in whole or in part.
6. **Incorporation of Provisions:** The contractor will include the provisions of paragraphs one through six in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Acts, the Regulations and directives issued pursuant thereto. The contractor will take action with respect to any subcontract or procurement as the sponsor or the Federal Aviation Administration may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided, that if the contractor becomes involved in, or is threatened with litigation by a subcontractor, or supplier because of such direction, the contractor may request the sponsor to enter into any litigation to protect the interests of the sponsor. In addition, the contractor may request the United States to enter into the litigation to protect the interests of the United States.

CLEAN AIR AND WATER POLLUTION CONTROL

Contractor agrees to comply with all applicable standards, orders, and regulations issued pursuant to the Clean Air Act (42 U.S.C. § 740-7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. § 1251-1387). The Contractor agrees to report any violation to the Owner immediately upon discovery. The Owner assumes responsibility for notifying the Environmental Protection Agency (EPA) and the Federal Aviation Administration.

Contractor must include this requirement in all subcontracts that exceeds \$150,000.

CERTIFICATION OF OFFERER/BIDDER REGARDING DEBARMENT

By submitting a bid/proposal under this solicitation, the bidder or offeror certifies that neither it nor its principals are presently debarred or suspended by any Federal department or agency from participation in this transaction.

CERTIFICATION OF LOWER TIER CONTRACTORS REGARDING DEBARMENT

The successful bidder, by administering each lower tier subcontract that exceeds \$25,000 as a "covered transaction", must verify each lower tier participant of a "covered transaction" under the project is not presently debarred or otherwise disqualified from participation in this federally assisted project. The successful bidder will accomplish this by:

1. Checking the System for Award Management at website: <http://www.sam.gov>
2. Collecting a certification statement similar to the Certificate Regarding Debarment and Suspension (Bidder or Offeror), above.
3. Inserting a clause or condition in the covered transaction with the lower tier contract

If the FAA later determines that a lower tier participant failed to disclose to a higher tier participant that it was excluded or disqualified at the time it entered the covered transaction, the FAA may pursue any available remedies, including suspension and debarment of the non-compliant participant.

DISADVANTAGED BUSINESS ENTERPRISES

Contract Assurance (§ 26.13) - The contractor or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of DOT assisted contracts. Failure by the contractor 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.

Prompt Payment (§26.29) - The prime contractor agrees to pay each subcontractor under this prime contract for satisfactory performance of its contract no later than {specify number} days from the receipt of each payment the prime

contractor receives from {Name of recipient}. The prime contractor agrees further to return retainage payments to each subcontractor within {specify the same number as above} days after the subcontractor's work is satisfactorily completed. Any delay or postponement of payment from the above referenced time frame may occur only for good cause following written approval of the {Name of Recipient}. This clause applies to both DBE and non-DBE subcontractors.

A1.1.1 RACE/GENDER NEUTRAL LANGUAGE

The requirements of 49 CFR part 26 apply to this contract. It is the policy of the Sponsor to practice nondiscrimination based on race, color, sex or national origin in the award or performance of this contract. The Owner encourages participation by all firms qualifying under this solicitation regardless of business size or ownership.

TEXTING WHEN DRIVING

In accordance with Executive Order 13513, "Federal Leadership on Reducing Text Messaging While Driving" (10/1/2009) and DOT Order 3902.10 "Text Messaging While Driving" (12/30/2009), the FAA encourages recipients of Federal grant funds to adopt and enforce safety policies that decrease crashes by distracted drivers, including policies to ban text messaging while driving when performing work related to a grant or sub-grant.

In support of this initiative, the Owner encourages the Contractor to promote policies and initiatives for its employees and other work personnel that decrease crashes by distracted drivers, including policies that ban text messaging while driving motor vehicles while performing work activities associated with the project. The Contractor must include the substance of this clause in all sub-tier contracts exceeding \$10,000 and involve driving a motor vehicle in performance of work activities associated with the project.

CERTIFICATION REGARDING DOMESTIC PREFERENCES FOR PROCUREMENTS

The Bidder or Offeror certifies by signing and submitting this bid or proposal that, to the greatest extent practicable, the Bidder or Offeror has provided a preference for the purchase, acquisition, or use of goods, products, or materials produced in the United States (including, but not limited to, iron, aluminum, steel, cement, and other manufactured products) in compliance with 2 CFR § 200.322.

FEDERAL FAIR LABOR STANDARDS ACT

All contracts and subcontracts that result from this solicitation incorporate by reference the provisions of 29 CFR part 201, the Federal Fair Labor Standards Act (FLSA), with the same force and effect as if given in full text. The FLSA sets minimum wage, overtime pay, recordkeeping, and child labor standards for full and part time workers.

The Consultant has full responsibility to monitor compliance to the referenced statute or regulation. The Consultant must address any claims or disputes that arise from this requirement directly with the U.S. Department of Labor – Wage and Hour Division

CERTIFICATION REGARDING LOBBYING

The bidder or offeror certifies by signing and submitting this bid or proposal, 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 Bidder or Offeror, to any person for influencing or attempting to influence an officer or employee of an 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, U.S. 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.

OCCUPATIONAL SAFETY AND HEALTH ACT

All contracts and subcontracts that result from this solicitation incorporate by reference the requirements of 29 CFR Part 1910 with the same force and effect as if given in full text. Contractor must provide a work environment that is free from recognized hazards that may cause death or serious physical harm to the employee. The Contractor retains full responsibility to monitor its compliance and their subcontractor's compliance with the applicable requirements of the Occupational Safety and Health Act of 1970 (20 CFR Part 1910). Contractor must address any claims or disputes that pertain to a referenced requirement directly with the U.S. Department of Labor – Occupational Safety and Health Administration.

PROHIBITION ON CERTAIN TELECOMMUNICATIONS AND VIDEO SURVEILLANCE SERVICES OR EQUIPMENT

Contractor and Subcontractor agree to comply with mandatory standards and policies relating to use and procurement of certain telecommunications and video surveillance services or equipment in compliance with the National Defense Authorization Act [Public Law 115-232 § 889(f)(1)].

RIGHTS TO INVENTIONS

Contracts or agreements that include the performance of experimental, developmental, or research work must provide for the rights of the Federal Government and the Owner in any resulting invention as established by 37 CFR part 401, Rights to Inventions Made by Non-profit Organizations and Small Business Firms under Government Grants, Contracts, and Cooperative Agreements. This contract incorporates by reference the patent and inventions rights as specified within in the 37 CFR §401.14. Contractor must include this requirement in all sub-tier contracts involving experimental, developmental or research work.

CERTIFICATION OF OFFERER/BIDDER REGARDING TAX DELINQUENCY AND FELONY CONVICTIONS

The applicant must complete the following two certification statements. The applicant must indicate its current status as it relates to tax delinquency and felony conviction by inserting a checkmark (✓) in the space following the applicable response. The applicant agrees that, if awarded a contract resulting from this solicitation, it will incorporate this provision for certification in all lower tier subcontracts.

Certifications

- a) The applicant represents that it is () is not (✓) a corporation that has any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability.
- b) The applicant represents that it is () is not (✓) is not a corporation that was convicted of a criminal violation under any Federal law within the preceding 24 months.

Note

If an applicant responds in the affirmative to either of the above representations, the applicant is ineligible to receive an award unless the sponsor has received notification from the agency suspension and debarment official (SDO) that the SDO has considered suspension or debarment and determined that further action is not required to protect the Government's interests. The applicant therefore must provide information to the owner about its tax liability or conviction to the Owner, who will then notify the FAA Airports District Office, which will then notify the agency's SDO to facilitate completion of the required considerations before award decisions are made.

Term Definitions

Felony conviction: Felony conviction means a conviction within the preceding twentyfour (24) months of a felony criminal violation under any Federal law and includes conviction of an offense defined in a section of the U.S. code that specifically classifies

the offense as a felony and conviction of an offense that is classified as a felony under 18

U.S.C. § 3559.

Tax Delinquency: A tax delinquency is any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted, or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability.

Termination for Convenience (Professional Services)

The Owner may, by written notice to the Consultant, terminate this Agreement for its convenience and without cause or default on the part of Consultant. Upon receipt of the notice of termination, except as explicitly directed by the Owner, the Contractor must immediately discontinue all services affected.

Upon termination of the Agreement, the Consultant must deliver to the Owner all data, surveys, models, drawings, specifications, reports, maps, photographs, estimates, summaries, and other documents and materials prepared by the Engineer under this contract, whether complete or partially complete.

Owner agrees to make just and equitable compensation to the Consultant for satisfactory work completed up through the date the Consultant receives the termination notice. Compensation will not include anticipated profit on non-performed services.

Owner further agrees to hold Consultant harmless for errors or omissions in documents that are incomplete as a result of the termination action under this clause.

Termination for Default (Professional Services)

Either party may terminate this Agreement for cause if the other party fails to fulfill its obligations that are essential to the completion of the work per the terms and conditions of the Agreement. The party initiating the termination action must allow the breaching party an opportunity to dispute or cure the breach.

The terminating party must provide the breaching party [7] days advance written notice of its intent to terminate the Agreement. The notice must specify the nature and extent of the breach, the conditions necessary to cure the breach, and the effective date of the termination action. The rights and remedies in this clause are in addition to any other rights and remedies provided by law or under this agreement.

a) **Termination by Owner:** The Owner may terminate this Agreement in whole or in part, for the failure of the Consultant to:

1. Perform the services within the time specified in this contract or by Owner approved extension;
2. Make adequate progress so as to endanger satisfactory performance of the Project;
3. Fulfill the obligations of the Agreement that are essential to the completion of the Project.

Upon receipt of the notice of termination, the Consultant must immediately discontinue all services affected unless the notice directs otherwise. Upon termination of the Agreement, the Consultant must deliver to the Owner all data, surveys, models, drawings, specifications, reports, maps, photographs, estimates, summaries, and other documents and materials prepared by the Engineer under this contract, whether complete or partially complete.

Owner agrees to make just and equitable compensation to the Consultant for satisfactory work completed up through the date the Consultant receives the termination notice. Compensation will not include anticipated profit on non-performed services.

Owner further agrees to hold Consultant harmless for errors or omissions in documents that are incomplete as a result of the termination action under this clause.

If, after finalization of the termination action, the Owner determines the Consultant was not in default of the Agreement, the rights and obligations of the parties shall be the same as if the Owner issued the termination for the convenience of the Owner.

b) **Termination by Consultant:** The Consultant may terminate this Agreement in whole or in part, if the Owner:

1. Defaults on its obligations under this Agreement;
2. Fails to make payment to the Consultant in accordance with the terms of this Agreement;

3. Suspends the Project for more than [180] days due to reasons beyond the control of the Consultant.

Upon receipt of a notice of termination from the Consultant, Owner agrees to cooperate with Consultant for the purpose of terminating the agreement or portion thereof, by mutual consent. If Owner and Consultant cannot reach mutual agreement on the termination settlement, the Consultant may, without prejudice to any rights and remedies it may have, proceed with terminating all or parts of this Agreement based upon the Owner's breach of the contract.

In the event of termination due to Owner breach, the Engineer is entitled to invoice Owner and to receive full payment for all services performed or furnished in accordance with this Agreement and all justified reimbursable expenses incurred by the Consultant through the effective date of termination action. Owner agrees to hold Consultant harmless for errors or omissions in documents that are incomplete as a result of the termination action under this clause.

TRADE RESTRICTION CERTIFICATION

By submission of an offer, the Offeror certifies that with respect to this solicitation and any resultant contract, the Offeror

- a. 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 as published by the Office of the United States Trade Representative (U.S.T.R.);
- b. 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 included on the list of countries that discriminate against U.S. firms as published by the U.S.T.R; and
- c. has not entered into any subcontract for any product to be used on the Federal on the project that is produced in a foreign country included on the list of countries that discriminate against U.S. firms published by the U.S.T.R.

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.

The Offeror/Contractor must provide immediate written notice to the Owner if the Offeror/Contractor learns that its certification or that of a subcontractor was erroneous when submitted or has become erroneous by reason of changed circumstances. The Contractor must require subcontractors provide immediate written notice to the Contractor if at any time it learns that its certification was erroneous by reason of changed circumstances.

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 an Offeror or subcontractor:

- (1) who is owned or controlled by one or more citizens or nationals of a foreign country included on the list of countries that discriminate against U.S. firms published by the U.S.T.R. or
- (2) whose subcontractors are owned or controlled by one or more citizens or nationals of a foreign country on such U.S.T.R. list or
- (3) who incorporates in the public works project any product of a foreign country on such U.S.T.R. list;

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.

The Offeror agrees that, if awarded a contract resulting from this solicitation, it will incorporate this provision for certification without modification in all lower tier subcontracts. The contractor may rely on the certification of a prospective subcontractor that it is not a firm from a foreign country included on the list of countries that discriminate against U.S. firms as published by U.S.T.R, unless the Offeror has knowledge that the certification is erroneous.

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

VETERAN'S PREFERENCE

In the employment of labor (excluding executive, administrative, and supervisory positions), the contractor and all sub-tier contractors must give preference to covered veterans as defined within Title 49 United States Code Section 47112.

Covered veterans include Vietnam-era veterans, Persian Gulf veterans, Afghanistan-Iraq war veterans, disabled veterans, and small business concerns (as defined by 15 U.S.C. 632) owned and controlled by disabled veterans. This preference only applies when there are covered veterans readily available and qualified to perform the work to which the employment relates.