



April 16, 2019

A. Bryce Davis  
Purchasing Manager  
City of Grand Prairie, Texas  
326 W. Main Street  
Grand Prairie, Texas 75050

**Subject: Fee Proposal - Grand Prairie Municipal Airport Disaster Recovery (RFQ # 19088)**

Dear Mr. Davis:

We are pleased to submit this proposal to provide structural inspection, repair recommendations, and post-construction inspections.

### ***Scope***

We propose to approach the project with two phases of work. The first phase will include the inspections, reports and repair recommendations. The second phase will include the construction phase inspections/certifications and reviews of the proposed doors submittals. The details for each phase are as follows:

#### **Phase 1:**

Lakes Engineering will inspect and record any damage to the Air Traffic Control Tower. We will provide an opinion on water intrusion during the storm and on the structural integrity of the building. We will utilize as-built plans for the ATCT provided by the City to evaluate any changes/damage caused by the storm. Finally, we will recommend repairs as necessary based on analysis of the inspection findings, provide a concise report and repair details.

Lakes Engineering will inspect, measure and record member sizes, damaged members, connection types and dimensions for the five (5) T-Hangars damaged by the storm. Given that there are no available as-built plans, we will create plans of the existing building as necessary for repairs based on field measurements. This information will be analyzed by a structural engineer. Findings and recommendations will be compiled into a concise report. We will provide drawings and details for a contractor to implement repairs to the structures.

The hangar with the most extensive damage will be evaluated for compliance with the current code wind speed. Supplemental members to reinforce the structure will be recommended if compliance with the current code is feasible. If not feasible, we will make recommendations to meet the code in effect at the estimated time of construction.

#### **Phase 2:**

During construction, we will be immediately responsive to Requests for Information and site visits as requested by the City. We will perform inspections as repair work is completed in order to certify that the repairs are completed per plan and meet the intent of the repair.

We will coordinate with Higher Power Doors for the effects on the structure due to installation of new door systems. Lakes will review submittals and calculations provided by Higher Power Doors to confirm wind load analysis and structural capacity of the foundations.

***Schedule***

Lakes Engineering is prepared to begin work immediately upon Notice to Proceed. We will prioritize inspections followed by a report of findings with repair recommendations. The inspections will be completed, and report submitted within 30 days as requested. During the City's review of the report, we will move forward with the wind loading analysis and code compliance evaluation. After the City completes review, we will coordinate with the City and the contractor to determine the order and extent of repairs necessary. We will prepare plans and details for the repairs to be completed as soon as possible and submit each type of repair in the order of priority agreed. This approach will allow the contractor to begin repair work before details for all repairs have been finished and will allow the contractor to work continuously.

***Proposed Fee*****PHASE 1:**

ATCT: Inspect, Report, Repair Recommendations & Details \$ 13,100.00

Hangars: Inspect, Report, Repair Recommendations & Details \$ 36,590.00

**PHASE 1 TOTAL \$ 49,690.00 LUMP SUM**

**PHASE 2 (estimate for future approval):**

Construction Inspections & Site Visits \$ 6,960.00

Review of Higher Power Doors Submittals & Coordination \$ 3,440.00

**PHASE 2 TOTAL (estimate for future approval) \$ 10,400.00 LUMP SUM**

For work outside of the scope, or additional tasks as requested by the City, the following hourly rates will apply:

Structural Engineer \$215/hr      Senior Inspector \$75/hr      CAD Technician \$85/hr

*Additional personnel/positions available to the City if required by the additional task (TBD).*

We kindly ask for your review and approval of the scope and fees proposed above. We understand the nature of this type of work and request authorization for Phase 1 services only under this contract. A second contract or future supplement to the contract would include the Phase 2 services, as they are dependent on the findings of Phase 1 and are subject to change. Phase 2 services fee will be refined and submitted for approval prior to beginning Phase 2. Should you have any questions, please do not hesitate in contacting us. We look forward to providing Professional Services for this important City of Grand Prairie Project.

Sincerely,

LAKES ENGINEERING, INC.

Christopher Meszler, P.E.  
Principal



**LAKES ENGINEERING, INC.**