

***Amendment #2: Runway 18R
Extension and EMAS Demolition Final
Design and Bidding Scope of Services***



Version 1.0
May 29, 2026
Laredo International Airport
Laredo, TX



Prepared by *RS&H Inc.* at the direction of
Laredo International Airport

I PROJECT DESCRIPTION

This is Amendment #2 to the LRD Runway 36 EMAS Removal Environmental Assessment contract. The original contract covered completion of the NEPA documentation for the Runway Extension/EMAS Removal project. Amendment #1 expanded the scope to include design development through the 30% Design Submittal. This amendment covers the remaining design effort from the 30% submittal through bidding services.

The City of Laredo ("City") owns and operates the Laredo International Airport ("LRD", "Airport", or "Client"). LRD has selected RS&H Inc. ("RS&H" or "Consultant") to provide design phase services for a Runway 18R runway extension and EMAS demolition project. The existing EMAS on Runway 36L has reached the end of its life and is in poor condition. The proposed project will include demolition of the existing Engineered Material Arresting System (EMAS) bed, the existing EMAS support pavement rehabilitation, and a 471' extension of Runway 18R and Taxiway G. Threshold location on both runway ends will remain in existing location. Runway and Taxiway extensions will meet Aircraft Design Group (ADG) IV and Taxiway Design Group (TDG) 5 standards.

The FAA certification inspector has indicated the EMAS will need to be removed within the next year, or the airport will have to take it out of service and use declared distances on the runway. To maintain the required length for the current aircraft fleet mix, a 471' extension to Runway 18R and TWY G is required to provide the runway length necessary for the loss of the EMAS system on Runway 36L. The ADO has advised the airport to begin design for construction in Federal Fiscal Year (FFY) '27.

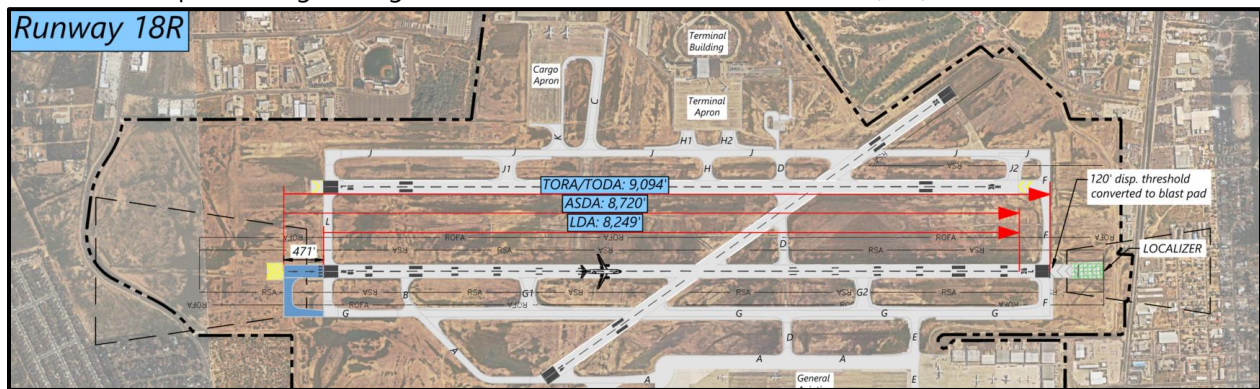


FIGURE 1 – RUNWAY 18R EXTENSION AND SUPPORTING DEVELOPMENT

The project phases consist of the following:

- » Phase 1: Runway Extension
 - Construction of a 471' Runway 18R extension
 - Construction of a 471' TWY G extension
 - Construction of a new connecting taxiway
 - Construction of runway blast pad
 - Construction of MALSR access road
 - Construction of Taxiway Fillet and Shoulders on Taxiway L from Runway 18R to Taxiway G
- » Phase 2: EMAS demolition and site restoration.

- Construction of runway blast pad

The project is anticipated to be bid as one bid package. The following bid schedules are anticipated at this time:

- » Bid Schedule 1 – Runway 18R and TWY G construction
- » Bid Schedule 2 – EMAS Deconstruction

The following professional disciplines/services/specialties are expected to play a significant role in the development of the Project:

- » Project Management
- » Civil Engineering
 - Pavement Design
 - Grading
 - Drainage
 - Pavement Construction
 - Pavement Markings
 - Erosion Control and Best Management Practices ("BMPs")
- » Electrical Engineering
 - Taxiway nomenclature assignment of new Taxiway extension and Taxiway L west of Runway 18R.
 - Re-sign of Taxiway G1 and Taxiway G2
 - Power/Vault Assessment
 - Airfield Lighting and Signage
 - FAA-owned Navaids and approach lighting
 - FAA coordination
 - Reimbursable Agreement Coordination
- » Engineer's Opinion of Probable Cost
- » Phasing and Constructability

The Consultant design team is made up of the following professionals:

- » RS&H – Civil, Electrical
- » Crane Engineering – Drainage

The Project consists of the following components:

- » Project Management
- » Safety and Phasing
- » Demolition of the existing EMAS system
- » Runway Extension Pavement Construction
- » Taxiway Extension Pavement Construction

- » Paving Plan and Elevation grids
- » Joint Layout
- » Site Grading and Drainage
- » Drainage Area Maps
- » Drainage Calculations
- » Stormwater Drainage Construction
- » Runway NAVAID Construction (Runway 18R MALSR Only)
- » Runway/Taxiway Lighting
- » Runway/Taxiway Signage
- » Pavement markings
- » FAA Form 7460-1, Notice of Proposed Construction or Alteration
- » Erosion control and Stormwater Pollution Prevention (SWPPP)
- » Site-specific Construction Safety Phasing Plan ("CSPP")
- » Site-specific Construction Management Plan ("CMP")
- » National Environmental Policy Act (NEPA) documentation (Under separate work order)
- » Permit Coordination
- » FAA Coordination

There are no known utilities within the project limits, other than an existing storm sewer network, airfield lighting, signage, and MALSR circuits. It is anticipated that the project will not affect the current storm drainage. Existing electrical networks within the new pavement areas will be relocated.

The project will be evaluated and designed to the following FAA Advisory Circulars and Orders, as applicable, including (but not limited to):

- » FAA AC 150/5220-22B Engineered Materials Arresting System (EMAS) for Aircraft Overruns
- » FAA AC 150/5300-13B – Airport Design
- » FAA AC 150/5320-12C Measurement, Construction, and Maintenance of Skid Resistant Airport Pavement Surfaces
- » FAA AC 150/5340-1M Standards for Airport Markings
- » FAA AC 150/5370-2G Operation Safety on Airports during Construction
- » FAA AC 150/5370-12B Quality Control of Construction for Airport Grant Projects
- » FAA AC 150/5370-13A Off-Peak Construction of Airport Pavements Using Hot-Mix Asphalt
- » FAA AC 150/5370-14B Hot Mix Asphalt Paving Handbook
- » FAA AC 150/5320-6G Airport Pavement Design and Evaluation
- » FAA AC 150/5320-5D Surface Drainage Design
- » FAA AC 150/5340-18H Standards for Airport Sign Systems
- » FAA AC 150/5340-30J Design and Installation Details for Airport Visual Aids

- » FAA AC 150/5345-44L Specification for Taxiway and Runway Signs
- » FAA AC 150/5370-10H Standards for Specifying Construction of Airports
- » FAA Order JO 6850.2C Visual Guidance Lighting Systems

It is assumed for this scope of services that coordination with the City will be performed by Client staff and resulting direction will be provided to the Consultant. The Consultant will not directly contact the City without the Client present.

Geotechnical Investigation and Survey were completed under Amendment No. 1 and are not components of this proposal. Additionally, Construction Administration and Closeout Phase Services, Resident Project Representative ("RPR") Services, Construction Materials Acceptance Testing, Construction Staking, and/or any other construction-related services are not components of this proposal.

Project drawings will be prepared in AutoCAD format.

This scope of work assumes that all proposed project elements will be constructed in one (1) construction project. There is significant overlap between design items in each task, and the fee proposal reflects that. Any deviations from these assumptions once notice has been given to the Consultant to begin the work of this contract may require a change to the Project scope and additional fees.

Deletion of a task(s) or the requirement for additional work not specifically noted herein as part of the Consultant's scope will require re-evaluation of the proposed design fees.

This project is anticipated to be packaged as one bid package.

II PROJECT ELEMENTS

The following is a list of elements of the design project:

- » Data Collection and Site Observation
 - The Consultant will obtain and review record drawings associated with the project site, as may be available from the Client.
 - The Consultant will obtain and review applicable design standards. For this project, FAA and City standards are anticipated to be the governing documents.
 - The Consultant will visually observe the project limits of the site and document overall visible conditions within the project limits of the site as part of the design.
 - The Consultant will provide an overview of existing conditions and required demolition in order to construct for the proposed development.
- » General
 - The Consultant will provide general plan sheets for the Project (Cover Sheet, Sheet Index, General Notes, Dimensional Control Plans, Boring Layout Plan) in accordance with the applicable design standards.
- » Geometrics and Site Design

- The Consultant will provide the geometric design of the runway and taxiway pavements. The Consultant will utilize *FAA AC 150/5300-13, Airport Design*, to establish criteria, latest published edition at time of contract execution.
- The Consultant will perform the grading design for the site.
- The Consultant will provide design pavement markings required for the site in accordance with *FAA AC 150/5340-1, Standards for Airport Markings*, latest published edition at time of contract execution.

» Pavement Design

- The Consultant will provide runway and taxiway pavement strength and material design recommendations in accordance with the FAA's *FAARFIELD* standard thickness design software and *FAA AC 150/5320-6, Airport Pavement Design and Evaluation*, design guidelines, latest published edition at time of contract execution. The Consultant will coordinate with the Client's staff, FAA control tower personnel, and tenants to determine the appropriate aircraft fleet mix to be used in the runway and taxiway pavement design. It is anticipated the Client will provide final approval of the aircraft fleet mix to be used.
- The Consultant will provide pavement profiles and cross sections for the affected pavements.
- The Consultant will design pavement grooving for the runway pavement.
- A joint layout plan will be provided for new concrete pavements.

» Airfield Electrical Improvements

- The Consultant will provide analysis and design for the anticipated airfield lighting and signage modifications to accommodate the new airfield geometry resulting from this Project, in accordance with applicable FAA design guidelines.
- The Consultant will provide design for the anticipated modifications to the Airfield Lighting Control Panel. These modifications will consist of updating the graphics shown on the plexiglass panel.
- The Consultant will provide analysis and design for the anticipated updates to the airfield electrical vault. The Consultant will review regulator capacities for affected circuits and design for replacement based on regulator condition and new circuit load.
- The Consultant will review impacts to the FAA-owned Runway 18R ILS and MALSR impacted by the scope of this Project. The Consultant will recommend solutions and assist with coordination of FAA Reimbursable Agreement. It is assumed meetings for this coordination will be held via teleconference and will not require travel by the Consultant. Consultant will design for the modifications to the Runway 18R MALSR.
- The Consultant will coordinate with the FAA SSC Manager regarding impact on FAA-owned facilities.

» Drainage Design

- The Consultant will perform the site-specific drainage design for the proposed development. Drainage design will be developed for the extent of the development boundary, limited to the infields directly upstream and downstream of the construction limits of the site and bound by surrounding pavements. The Consultant will develop storm sewer layouts, sizing, and calculations

of pre- and post-development flows from the site. The Consultant will utilize *FAA AC 150/5320-5D, Surface Drainage Design* and the City's *Stormwater Management Guidance Manual*, to establish criteria. The design will consist of, as applicable, a drainage plan, profiles, details, and pre- and post-development drainage maps. Required upstream and/or downstream modifications or improvements beyond the limits of the site are excluded from this scope of services.

- Detention, aboveground, subsurface, or otherwise, is excluded from this scope of services.
- Drainage modeling
- No underdrains are anticipated to be installed for new / rehabilitated pavements. Underdrain design is excluded from this scope of services.

» SWPPP / Erosion Controls

- The Consultant will prepare applicable SWPPP plan sheets for the Contractor to use in procurement of the stormwater construction permits. A detailed SWPPP report along with Contractor preferred Best Management Practices ("BMPs"), the Notice of Intent ("NOI"), the Notice of Termination ("NOT"), and submission to the TCEQ will be prepared by others and is excluded from this scope of services.

» Phasing / Safety and Security

- The Consultant will review and analyze the following: potential impacts to safety and operational safety associated with aviation related areas in accordance with applicable professional standards; Airport Operations Area ("AOA") ingress/egress routes; aircraft movement areas; coordination; pavement markings; airfield lighting and signage; construction staging areas; vehicles crossing active pavements procedures; Notices to Airmen ("NOTAMs"); jet blast-prop-wash; night-time construction lighting; dust control; hauling of debris; and equipment parking. The analysis will not address the study of visibility, line of sight issues involving permanent structures, the analysis of interference with communications and surveillance equipment, or environmental studies.
- Preparation of a site-specific CSPP in general conformance with *FAA AC 150/5370-2, Operational Safety on Airports during Construction*, latest edition, is excluded from this scope of services.

» Utility Coordination and Design

- The Consultant will design utility relocations with the intent to reduce modifications without compromising design standards. Existing utility crossings to be modified are anticipated are FAA communication cables, FAA electrical, and airfield electrical.
- The Consultant will meet with affected utility companies to discuss the proposed design. Based on these coordination meetings and correspondence, the need and extent of relocations will be determined. If a dispute arises, the Consultant will schedule a meeting between the City Project Manager and the utility company to resolve the dispute.
- The Consultant will notify the City of utilities that will require relocation.
- Construction documents will clearly show existing and proposed utility lines and utility company contacts.
- The Consultant will obtain and submit utility clearance letters from each of the affected utility companies.

» Permitting

- National Environmental Policy Act ("NEPA") documentation has previously been completed with this Project. A CATEX was approved by FAA on February 11, 2026.
- The Consultant will prepare and file a Notice of Proposed Construction or Alteration (FAA Form 7460-1) for the Project electronically to the FAA for Obstruction Evaluation / Airport Airspace Analysis ("OE/AAA") review.
- The Consultant will prepare and file a Notice for Construction, Alteration and Deactivation of Airports (FAA Form 7480-1) for both Taxiway C and Taxiway J electronically to the FAA for review.
- No other permits are anticipated for this Project. No other permits than those specifically identified in this scope will be coordinated or applied for by the Consultant.

III BASIC SERVICES

The Client must authorize services through issuance of a Notice to Proceed ("NTP") for each task. The Consultant will not proceed with the performance of each task until such written notice is provided. The Consultant will perform the following services:

TASK 1 60% DESIGN PHASE SERVICES

Task 1.1 Perform Project Initiation / Setup

The Consultant will perform appropriate Project initiation and documentation setup in order to appropriately manage the Project. The Consultant will also establish a Quality Control Plan (QCP) and Project Management Plan (PMP) for the project.

Task 1.2 Perform Data Collection and Research

The Consultant will collect and review available data related to the project limits of the site and the proposed improvements. The Consultant will review the Client's files and records to determine relevant information for the Client's staff to provide such as the airport master plan, airport layout plan, pavement evaluation reports, aerial photogrammetry, previous design drawings, existing permits, boundary surveys, development concepts and drawings, surveys, and geotechnical study reports. The Client will provide copies of all pertinent documents including CAD drawings, when available, to the Consultant in a timely manner to allow the project to move ahead efficiently. It is anticipated that the following information will be provided for review:

- ➔ Construction of EMAS at End of Runway 17R-35L (Record Drawing)
- ➔ Runway 17R-35L Reconstruction (Record Drawing)
- ➔ Runway 17R-35L Extension (Record Drawing)
- ➔ Construct Taxiways G1 and G2 (Record Drawing)

The Consultant will also identify and analyze requirements of governmental authorities having jurisdiction to approve the design of the Project and participate in consultations with such authorities, as required.

Task 1.3 Prepare 60% Design Documents

The Consultant will prepare 60% Design Documents (drawings, Engineer's report, project manual, and EOPC) on the basis of the accepted 30% Design Submittal. Bid alternates will be developed for bidding to correspond to available budgets.

An anticipated list of plan set sheets can be viewed in this proposal as Attachment B.

The project manual in this phase will consist of technical specifications and referenced documents, which may consist of a Report of Geotechnical Exploration, applicable FAA ACs, and applicable permitting requirements. Contract documents (to be provided by the Client and incorporated by the Consultant), a site-specific CSPP, and a site-specific CMP will be prepared as components of the project manual in subsequent phases.

The Consultant will update the Engineer's Report as previously developed in the 30% Design Submittal (Amendment #1).

If FAA design guidelines or specifications for Consultant's related scope of services as listed herein are found to be not applicable for the site-specific situations of this project, the Consultant will initiate and coordinate a Modifications of Standards (MOS) request with the FAA.

Additive alternates will be developed for bidding to correspond to available budgets and flexibility in construction award. The EOPC will be a Class 3 estimate (as described in the AACE International Recommended Practice No. 18R-97) of the probable project construction and will carry a 25% contingency.

Task 1.4 Prepare and Submit FAA Form 7460-1

The Consultant will prepare and file a Notice of Proposed Construction or Alteration (FAA Form 7460-1) for the Project electronically to the FAA for OE/AAA review.

Task 1.5 Prepare and Submit FAA Form 7480-1

The Consultant will prepare and file a Notice for Construction, Alteration and Deactivation of Airports (FAA Form 7480-1) for the extension of Runway 18R, if required, electronically to the FAA for review.

Task 1.6 Project Management – FAA Coordination

The Consultant will provide ongoing project management and coordination with the Federal Aviation Administration (FAA). This task includes assisting the Airport in coordinating design elements with the FAA to attempt to verify compliance with applicable regulations, guidance, and approval processes.

The Consultant will support the Airport by preparing for and participating in coordination meetings, compiling and transmitting required documentation, responding to FAA comments, and facilitating communication between the Airport, design team, and FAA. The Consultant will also monitor FAA review timelines and requirements to help maintain project schedule and to attempt to verify that design elements are appropriately coordinated and accepted at key project milestones.

The Consultant will assist the Airport in discussions with the FAA regarding project funding, including coordination related to grant eligibility, funding processes, and alignment of project scope with FAA funding requirements.

Task 1.7 Perform In-House Quality Control Review – 60% Design Documents

The Consultant will conduct an in-house quality control review of the 60% Design Documents prior to submittal to the Client, the City, and FAA. The review will cover the design deliverables prior to submittal to the Client. The QC review will be performed as follows:

- Independent QC Review – an independent Architect/Engineer not actively involved in the Project will review for readability, suitability for bidding, appearance, and acceptability
- Independent Technical Peer Review – for each discipline associated with the Project, an independent Engineer not actively involved in the Project will review the documents to attempt to verify alignment with design methodologies, calculations, and code compliance
- Constructability Review – a comprehensive look at the Project to attempt to verify alignment between plans and specifications, phasing impacts, and potential conflicts
- Electronic Model Review – a comprehensive look at the Civil 3D project elements to attempt to verify alignment with design methodologies, calculations, and code compliance
- Discipline Coordination Review – an interdisciplinary review to attempt to verify coordination of elements between disciplines

Task 1.8 Submit 60% Design Documents

The Consultant will review in-house quality control review of the 60% Design Documents received from reviewing parties and incorporate applicable comments into the 60% Design Documents. The Consultant will then submit and distribute copies of the 60% Design Documents to the Client, the City, and FAA for review, comment, and approval to proceed with preparation of Final Design Documents. Distribution quantities of the 60% Design Documents will be as noted in the DELIVERABLES section of this Proposal.

Task 1.9 Meetings / Presentations

To further the design progression and coordinate efforts, various meetings are anticipated throughout the design process. For meetings, the Consultant will attend said meetings (either in person or via teleconference, as indicated), prepare and distribute written minutes of the meeting with respect to project components designed by the Consultant, and perform appropriate follow-up activities. The anticipated number of meetings is listed herein; should the requirement for additional meetings be necessary, a change to the Project scope and additional fees may be required.

» Electrical Site Study

The Consultant will coordinate and attend one (1) site study meeting with the Client and various subconsultants to review and document the visible conditions of the project site. The Client will attend with knowledgeable staff and provide access to limits of the project site to provide a comprehensive walkthrough. The walkthrough will use the data received during the 30% design as the basis for the verification of existing documentation to the extent possible. As part of this task, measurements will be taken to validate existing condition documentation, and access to electrical vaults is as expected.

This meeting is anticipated to be held at the Airport and will require travel by the Consultant.

» **Internal Consultant Team Coordination Meetings**

To further the design, the Consultant Team will attend weekly coordination meetings with the Consultant individuals or subconsultants assigned to the Project.

Ten (10) meetings have been anticipated. These meetings are anticipated to be held via teleconference and will not require travel by the Consultant.

» **60% Design Development / Coordination Meetings**

To further the design, Design Development / Coordination Meetings may be required. These meetings are intended to be “workshop” meetings to discuss design alternatives and requirements. The Consultant will attend these meetings with Client staff, City staff, FAA, Airport users, and other stakeholders, as applicable.

Five (5) meetings have been anticipated. Four (4) meetings are anticipated to be held via teleconference and will not require travel by the Consultant. One (1) meeting is anticipated to be held at the Airport or City offices and will require travel by the Consultant.

» **Utility Coordination Meetings**

To further the design with respect to utility design, Utility Coordination Meetings may be required. These meetings are intended to be “workshop” meetings to discuss design alternatives and requirements. The Consultant will attend these meetings with Client staff, City staff, utility owners, and other stakeholders, as applicable.

Two (2) meetings have been anticipated. These meetings are anticipated to be held via teleconference and will not require travel by the Consultant.

» **FAA Design Coordination Meetings**

The Consultant will coordinate and attend four (4) coordination meetings with the Client, FAA, and other attendees, as applicable, to review and coordinate 60% design elements with the FAA. These meetings are anticipated to be held via teleconference and will not require travel by the Consultant.

» **60% Design Documents Review Meeting**

The Consultant will coordinate and attend one (1) 60% Design Documents review meeting with the Client, City, FAA, and other attendees, as applicable, to receive comments and direction regarding the 60% Design Documents. This meeting is anticipated to be held at the Airport and will require travel by the Consultant.

Task 1.10 Project Management and Administration

The Consultant will manage the Project in a professional manner, assign and manage qualified individuals or subconsultants to the Project, and perform the efforts within the proposed time frame.

This task will consist of scheduling, resource allocation, monitoring, oversight, and direction for aspects of the team’s efforts, and assembly and coordination of documentation. The Consultant will perform meeting preparation activities, prepare and distribute meeting minutes, and assign appropriate follow-up activities.

This task provides oversight of project components within the Consultant's scope of services; general correspondence by the Consultant with the Client, the Contractor, the City, and other governmental authorities; coordination of meetings with the Client, the Contractor, the City, and other governmental authorities; and Project reporting.

TASK 2 90% DESIGN PHASE SERVICES

Task 2.1 Incorporate 60% Review Comments

The Consultant will review comments received from the Client's authorized representative(s) from the 60% design submittal reviews and incorporate applicable comments into drawings, project manual, Engineer's report, and EOPC. The Consultant will provide a written response on each comment on how it will be incorporated into the documents, or why it was not applicable. Comments that require a significant change in scope from previous direction provided may require an additional scope and fee.

Additional rounds of comments from the Client's authorized representative(s) are considered additional effort and will result in the revision of this scope.

Task 2.2 Prepare 90% Design Documents

The Consultant will prepare 90% Design Documents (drawings, project manual, Engineer's Report, and EOPC). The design will evaluate and identify specific elements of the Project with for bidding to correspond to available budgets.

An anticipated list of plan set sheets can be viewed in this proposal as Attachment B.

The project manual will consist of:

- Contract Documents;
- Bid Proposal;
- Technical specifications;
- Site-specific CSPP;
- Site-specific CMP; and
- Referenced documents, which may consist of a Report of Geotechnical Exploration, applicable FAA ACs, and applicable permitting requirements.

The Consultant will prepare a site-specific CSPP in general conformance with *FAA AC 150/5370-2, Operational Safety on Airports during Construction*, latest published edition at time of contract execution. *Paragraph 1.3.1* defines the parameters for a CSPP. It is anticipated that a CSPP is required since this project will impact the AOA.

Safety Risk Management System ("SRM") panels and Safety Assessment reporting are not components of this proposal.

The Consultant will prepare a site-specific CMP for the Project in general conformance with *FAA AC 150/5370-12, Quality Management for Federally Funded Airport Construction Projects*, latest edition, which will be used to attempt to verify that construction meets or exceeds the standards required by the Design Documents.

The CMP will identify key contacts and their responsibilities throughout construction of the project. The CMP will be prepared as a component of the project manual.

The Consultant will update the Engineer's Report as previously developed in Task 1.

The EOPC will be a Class 3 estimate (as described in the AACE International Recommended Practice No. 18R-97) of the probable project construction and will carry a 15% contingency.

Task 2.3 Project Management – FAA Coordination

The Consultant will provide ongoing project management and coordination with the Federal Aviation Administration (FAA). This task includes assisting the Airport in coordinating design elements with the FAA to attempt to verify compliance with applicable regulations, guidance, and approval processes.

The Consultant will support the Airport by preparing for and participating in coordination meetings, compiling and transmitting required documentation, responding to FAA comments, and facilitating communication between the Airport, design team, and FAA. The Consultant will also monitor FAA review timelines and requirements to help maintain project schedule and to attempt to verify that design elements are appropriately coordinated and accepted at key project milestones.

The Consultant will assist the Airport in discussions with the FAA regarding project funding, including coordination related to grant eligibility, funding processes, and alignment of project scope with FAA funding requirements.

Task 2.4 Perform In-House Quality Control Review – 90% Design Documents

The Consultant will conduct an in-house quality control review of the 90% Design Documents prior to submittal to the Client, the City, and FAA. The review will cover the design deliverables prior to submittal to the Client. The QC review will be performed as follows:

- Independent QC Review – an independent Architect/Engineer not actively involved in the Project will review for readability, suitability for bidding, appearance, and acceptability
- Independent Technical Peer Review – for each discipline associated with the Project, an independent Engineer not actively involved in the Project will review the documents to attempt to verify alignment with design methodologies, calculations, and code compliance
- Constructability Review – a comprehensive look at the Project to attempt to verify alignment between plans and specifications, phasing impacts, and potential conflicts
- Electronic Model Review – a comprehensive look at the Civil 3D project elements to attempt to verify alignment with design methodologies, calculations, and code compliance.
- Discipline Coordination Review – an interdisciplinary review to attempt to verify coordination of elements between disciplines

Task 2.5 Submit 90% Design Documents

The Consultant will review in-house quality control review of the 90% Design Documents and incorporate applicable comments into the 90% Design Documents. The Consultant will then submit and distribute copies of the 90% Design Documents to the Client, the City, and FAA for review, comment, and approval to proceed

with preparation of Final Design Documents. Distribution quantities of the 90% Design Documents will be as noted in the DELIVERABLES section of this Proposal.

Task 2.6 Meetings / Presentations

To further the design progression and coordinate efforts, various meetings are anticipated throughout the design process. For meetings, the Consultant will attend said meetings (either in person or via teleconference, as indicated), prepare and distribute written minutes of the meeting with respect to project components designed by the Consultant, and perform appropriate follow-up activities. The anticipated number of meetings is listed herein; should the requirement for additional meetings be necessary, a change to the Project scope and additional fees may be required.

» **90% Design Development / Coordination Meetings**

To further the design, Design Development / Coordination Meetings may be required. These meetings are intended to be “workshop” meetings to discuss design alternatives and requirements. The Consultant will attend these meetings with Client staff, City staff, FAA, Airport users, and other stakeholders, as applicable.

Four (4) meetings have been anticipated. These meetings are anticipated to be meetings held via teleconference and will not require travel by the Consultant.

» **Internal Consultant Team Coordination Meetings**

To further the design, the Consultant Team will attend weekly coordination meetings with the Consultant individuals or subconsultants assigned to the Project.

Ten (10) meetings have been anticipated. These meetings are anticipated to be held via teleconference and will not require travel by the Consultant.

» **Utility Coordination Meetings**

To further the design with respect to utility design, Utility Coordination Meetings may be required. These meetings are intended to be “workshop” meetings to discuss design alternatives and requirements. The Consultant will attend these meetings with Client staff, City staff, utility owners, and other stakeholders, as applicable.

Two (2) meetings have been anticipated. One (1) meeting is anticipated to be meetings held via teleconference and will not require travel by the Consultant. One (1) meeting is anticipated to be held at the Airport or City offices and will require travel by the Consultant.

» **FAA Design Coordination Meetings**

The Consultant will coordinate and attend four (4) coordination meetings with the Client, FAA, and other attendees, as applicable, to review and coordinate 90% design elements with the FAA. These meetings are anticipated to be held via teleconference and will not require travel by the Consultant.

» **90% Design Documents Review Meeting**

The Consultant will coordinate and attend one (1) 90% Design Documents review meeting with the Client, City, FAA, and other attendees, as applicable, to receive comments and direction regarding the 90% Design Documents. This meeting is anticipated to be held at the Airport and will require travel by the Consultant.

Task 2.7 Project Management and Administration

The Consultant will manage the Project in a professional manner, assign and manage qualified individuals or subconsultants to the Project, and perform the efforts within the proposed time frame.

This task will consist of scheduling, resource allocation, monitoring, oversight, and direction for aspects of the team's efforts, and assembly and coordination of documentation. The Consultant will perform meeting preparation activities, prepare and distribute meeting minutes, and assign appropriate follow-up activities.

This task provides oversight of project components within the Consultant's scope of services; general correspondence by the Consultant with the Client, the Contractor, the City, and other governmental authorities; coordination of meetings with the Client, the Contractor, the City, and other governmental authorities; and Project reporting.

TASK 3 FINAL DESIGN PHASE SERVICES

Task 3.1 Incorporate 90% Review Comments

The Consultant will review comments received from the Client's authorized representative(s) from the 90% design submittal reviews and incorporate applicable comments into drawings, project manual, Engineer's report, and EOPC. The Consultant will provide a written response on each comment on how it will be incorporated into the documents, or why it was not applicable. Comments that require a significant change in scope from the previous direction provided may require an additional scope and fee.

Additional rounds of comments from the Client's authorized representative(s) are considered additional effort and will result in the revision of this scope.

Task 3.2 Prepare Final Design Documents

The Consultant will prepare Final (sealed) Design Documents (drawings, project manual, Engineer's Report, and EOPC). The design will evaluate and identify specific elements of the Project, with for bidding to correspond to available budgets.

An anticipated list of plan set sheets can be viewed in this proposal as Attachment B.

The design will evaluate and identify specific elements of the Project, with additive alternates developed for bidding to correspond to available budgets and flexibility in construction award. The EOPC will be a Class 2 estimate (as described in the AACE International Recommended Practice No. 18R-97) of the probable project construction and will carry a 10% contingency.

The Consultant will coordinate with the City to review, align, and update the City's bid proposal forms and procurement requirements to ensure full compliance with all applicable FAA mandatory contract provisions. This includes identifying required federal clauses, integrating them into the City's standard bid documents,

and confirming consistency with FAA guidance. The Consultant will also assist the City in preparing, organizing, and uploading all applicable bid forms, documents, and supporting materials to the City of Laredo's Cit-E-Bid online procurement platform.

Task 3.3 Project Management FAA Coordination

The Consultant will provide ongoing project management and coordination with the Federal Aviation Administration (FAA). This task includes assisting the Airport in coordinating design elements with the FAA to attempt to verify compliance with applicable regulations, guidance, and approval processes.

The Consultant will support the Airport by preparing for and participating in coordination meetings, compiling and transmitting required documentation, responding to FAA comments, and facilitating communication between the Airport, design team, and FAA. The Consultant will also monitor FAA review timelines and requirements to help maintain project schedule and to attempt to verify that design elements are appropriately coordinated and accepted at key project milestones.

The Consultant will assist the Airport in discussions with the FAA regarding project funding, including coordination related to grant eligibility, funding processes, and alignment of project scope with FAA funding requirements.

Task 3.4 Perform In-House Quality Control Review – Final Design Documents

- » The Consultant will conduct an in-house quality control review of the Final Design Documents prior to submittal to the Client, the City, and FAA. The review will cover the design deliverables prior to submittal to the Client. The QC review will be performed as follows:
 - Independent QC Review – an independent Architect/Engineer not actively involved in the Project will review for readability, suitability for bidding, appearance, and acceptability
 - Independent Technical Peer Review – for each discipline associated with the Project, an independent Engineer not actively involved in the Project will review the documents to attempt to verify alignment with design methodologies, calculations, and code compliance
 - Constructability Review – a comprehensive look at the Project to attempt to verify alignment between plans and specifications, phasing impacts, and potential conflicts
 - Electronic Model Review – a comprehensive look at the Civil 3D project elements to attempt to verify alignment with design methodologies, calculations, and code compliance.
 - Discipline Coordination Review – an interdisciplinary review to attempt to verify coordination of elements between disciplines

Task 3.5 Submit Final Design Documents

The Consultant will review in-house quality control reviews of the Final Design Documents and incorporate applicable comments into the Final Design Documents.

The Consultant will then submit and distribute copies of the Final Design Documents. Distribution quantities of the Final Design Documents will be as noted in the DELIVERABLES section of this Proposal. Comments requesting changes to the Final Design Documents after this submittal will be performed under a change order for additional time and cost, unless due to an error or omission by the Consultant.

Task 3.6 Meetings / Presentations

To further the design progression and coordinate efforts, various meetings are anticipated throughout the design process. For meetings, the Consultant will attend said meetings (either in person or via teleconference, as indicated), prepare and distribute written minutes of the meeting with respect to project components designed by the Consultant, and perform appropriate follow-up activities. The anticipated number of meetings is listed herein; should the requirement for additional meetings be necessary, a change to the Project scope and additional fees may be required.

» Internal Consultant Team Coordination Meetings

To further the design, the Consultant Team will attend weekly coordination meetings with the Consultant individuals or subconsultants assigned to the Project.

Six (6) meetings have been anticipated. These meetings are anticipated to be held via teleconference and will not require travel by the Consultant.

» Design Development / Coordination Meetings

To further the design, Design Development / Coordination Meetings may be required. These meetings are intended to be "workshop" meetings to discuss design alternatives and requirements. The Consultant will attend these meetings with Client staff, City staff, FAA, Airport users, and other stakeholders, as applicable.

Two (2) meetings have been anticipated. This meeting is anticipated to be one-hour meetings held via teleconference and will not require travel by the Consultant.

Task 3.7 Project Management and Administration

The Consultant will manage the Project in a professional manner, assign and manage qualified individuals or subconsultants to the Project, and perform the efforts within the proposed time frame.

This task will consist of scheduling, resource allocation, monitoring, oversight, and direction for aspects of the team's efforts, and assembly and coordination of documentation. The Consultant will perform meeting preparation activities, prepare and distribute meeting minutes, and assign appropriate follow-up activities.

This task provides oversight of project components within the Consultant's scope of services; general correspondence by the Consultant with the Client, the Contractor, the City, and other governmental authorities; coordination of meetings with the Client, the Contractor, the City, and other governmental authorities; and Project reporting.

TASK 4 BIDDING PHASE SERVICES

Task 4.1 Provide Bidding Assistance

The Consultant will assist in advertising for and obtaining bids or proposals for the Project. The Consultant will coordinate and prepare pre-bid meeting agenda documents and other documents required for the bidding process.

The Consultant will also provide electronic files (via Newforma) of the City.

Task 4.2 Respond to Bidder / Contractor Inquiries

The Consultant will provide formal responses to Bidder / Contractor inquiries. Responses will be submitted to the Client for approval prior to being issued.

Task 4.3 Issue Addenda

The Consultant will issue addenda as appropriate to clarify, correct, or change the bidding documents. Addenda will be submitted to the Client for approval prior to being issued. This instrument of service is limited to the content and scope of the original Bid Documents. Client-requested deviations from the content and scope of the original Bid Documents may require a change to the project scope and additional fees.

Task 4.4 Evaluate Bids

After the bid opening, Bidder / Contractor bids will be provided to the Consultant by the Client for evaluation. The Consultant will develop a tabulation of bids received and provide evaluation of such, checking for correctness, qualifications of apparent low bidder, and DBE participation goals. The Consultant cannot and does not guarantee that bids will not vary from the EOPC.

Task 4.5 Meetings / Presentations

To further the bidding efforts, various meetings are anticipated throughout the bidding process. For meetings, the Consultant will attend said meetings (either in person or via teleconference, as indicated), prepare and distribute written minutes of the meeting with respect to project components designed by the Consultant, and perform appropriate follow-up activities. The anticipated number of meetings is listed herein; should the requirement for additional meetings be necessary, a change to the Project scope and additional fees may be required.

» Pre-bid Conference

The Consultant will attend and conduct a Pre-bid Conference. The intent will be to review the project and direct questions to be submitted in writing for official response. This meeting is anticipated to be held at the Airport and will require travel by the Consultant.

» Bid Opening

The Consultant will attend a Bid Opening. This meeting is anticipated to be held via teleconference and will not require travel by the Consultant.

Task 4.6 Prepare FAA Grant Application

The Consultant will prepare and submit FAA Application for Federal Assistance Standard Form (SF) 424 and applicable Forms 5100, grant assurances, and supporting documents. The Application will be submitted to the Client in electronic format. Submission to FAA will be made by the client.

Task 4.7 Prepare Conformed Construction Documents

The Consultant will prepare and provide Conformed Construction Documents, incorporating appropriate modifications made via addenda during the bidding process. This conformed set of documents will be provided to the Contractor and the Client as the baseline for construction activities.

Task 4.8 Project Management and Administration

The Consultant will manage the Project in a professional manner, assign and manage qualified individuals or subconsultants to the Project, and perform the efforts within the proposed time frame.

This task will consist of scheduling, resource allocation, monitoring, oversight, and direction for aspects of the team's efforts, and assembly and coordination of documentation. The Consultant will perform meeting preparation activities, prepare and distribute meeting minutes, and assign appropriate follow-up activities.

This task provides oversight of project components within the Consultant's scope of services; general correspondence by the Consultant with the Client, the Contractor, the City, and other governmental authorities; coordination of meetings with the Client, the Contractor, the City, and other governmental authorities; and Project reporting.

IV MEETINGS

RS&H will prepare for and attend the following meetings:

- » Electrical Site Study (1) – In Person
- » Internal Consultant Team Coordination Meetings (10) - Virtual
- » 60% Design Development / Coordination Meetings (4) – 4 Virtual and 1 in Person
- » 60% Design Utility Coordination Meetings (2) – Virtual
- » FAA Design Coordination Meetings (4) – Virtual
- » 60% Design Review Meeting (1) – In Person
- » Internal Consultant Team Coordination Meetings (10) - Virtual
- » 90% Design Development / Coordination Meetings (4) – Virtual and 1 in Person
- » 90% Design Utility Coordination Meetings (2) – 1 Virtual and 1 in Person
- » FAA Design Coordination Meetings (4) – Virtual
- » 90% Design Review Meeting (1) – In Person
- » Internal Consultant Team Coordination Meetings (6) - Virtual
- » Final Design Development / Coordination Meeting (2) - Virtual
- » Pre-Bid Conference (1) – In Person
- » Bid Opening (1) – Virtual

The Consultant will prepare the minutes of each meeting and distribute them to attendees within three (3) working days of the meeting. Meetings held in-person will require travel by the Consultant. Meetings held via teleconference will not require travel by the Consultant.

V DELIVERABLES

RS&H will provide the following deliverables:

- » 60% Design Submittal – 3 Sets of 11" x 17" Plans, Project Manual, Engineer's Design Report, and EOPC
- » 90% Design Submittal – 3 Sets of 11" x 17" Plans, Project Manual, Engineer's Design Report, and EOPC
- » Final Design Documents Submittal - 3 Sets of 11" x 17" Plans, Project Manual, Engineer's Design Report, and EOPC

All deliverables will also be provided in electronic format.

VI PROJECT SCHEDULE

RS&H will provide the above-referenced services within the following schedule (or as mutually agreed upon by the Airport and RS&H). The schedule is based on a target bid opening date of approximately June 2027 to support potential FY '27 discretionary funding. It assumes a 60-day FAA review period for each submittal. If any review period exceeds 60 days, the schedule will need to be revised.

Description	Date
NTP	July 2026 (anticipated)
60% Design Submittal	14 Weeks after NTP (Anticipated submittal date is September 28, 2026)
90% Design Submittal	8 Weeks after FAA 60% Design Review Comments have been received (Anticipated submittal date is February 1, 2027)
Final Design Submittal	8 Weeks after FAA 90% Design Review Comments have been received (Anticipated submittal date is May 31, 2027)
Bid Opening	June 2027 (anticipated)

The actual schedule may vary significantly as the Project design progresses, and the scope is further developed. Delays to the proposed design schedule outside of the Consultant's control may require re-evaluation of the proposed schedule and / or design fees.

VII ASSUMPTIONS AND EXCLUSIONS

The following assumptions have been made for this Scope of Work:

- » The Airport will provide current operational data (type of aircraft and number of operations) for pavement design purposes.
- » In preparing any Contract Documents (sometimes referred to as "front end documents"), RS&H is not providing any legal advice or interpretation of any federal, state, or local statutes or other governing document. It is assumed that these documents, including any documents to satisfy grant documentation, will be reviewed and approved by the Client's legal representative.

- » All utilities are available at the site and no offsite improvements are required.
- » Project will be bid as a one bid package with one bid alternate to account for high bids or lack of FAA funding.
- » In providing EOPCs, the Consultant has no control over the cost or availability of labor, equipment, or materials, or other local market conditions and that the Consultant's EOPCs are made on the basis of the Consultant's professional judgement and experience. The Consultant makes no warranty, express or implied, that the bids or the negotiated cost of the Contractor's work will not vary from the Consultant's EOPC.
- » NAVAID Design is limited to MALSR station replacement within project limits and excludes any other NAVAIDS (i.e. glideslope, localizer, PAPI). Existing MALSR station within new pavement limits will be replaced with in pavement MALSR stations.
- » Updates to the Airfield Lighting Control Panel consist of updating the existing Airfield Lighting Control Panel. No software design or modifications to their current system are anticipated in this project.
- » Existing Runway 18R-36L and Taxiways L and G do not have shoulder pavement. This project does not include shoulder design beyond the new pavement areas and the modifications to Taxiway L geometry, from Runway 18R to Taxiway G.
- » A \$45,000 expense has been included to cover any additional geotechnical investigation and/or topographic survey required as design develops.

Deviations from these assumptions once notice has been given to the Consultant to begin the services of this contract may require a change to the Project scope and additional fees.

Tasks not specifically noted as included in this scope of services are not included in this Contract. In addition, the following is a listing of major items not included as part of this Proposal. This list will not be construed as the only items not included as part of this scope of services.

- » Funding coordination
- » Environmental remediation (wetlands, soil contamination, etc.)
- » Boundary surveys
- » ILS Equipment Shelters Design and/or Relocation
- » Obstruction surveys
- » Subsurface Utility Explorations (SUE)
- » Stormwater / drainage improvements beyond basic site grading, including drainage calculations.
- » Flood plain analysis and Conditional Letter of Map Revision ("CLOMR") application
- » Safety Risk Management System ("SRM") and Safety Assessment
- » Updates to Airport Layout Plan (ALP)
- » Permits and Permit Fees
- » Pavement marking design beyond the construction limits

- » Construction and closeout phase services, RPR services, construction materials acceptance testing, construction staking, and/or any other construction-related services
- » Construction verification surveys (Construction Documents will require Contractor to perform and submit for approval)
- » As-built survey
- » Drainage Study
- » Subsurface Utility Engineering
- » Survey Site Platting
- » Trench safety plan
- » Confined space plan
- » Design for Leadership in Energy and Environmental Design ("LEED") or Envision™ certification
- » Additional meetings other than those identified in Section II
- » No Americans with Disabilities Act (ADA) design or Texas Accessibility Standards (TAS) design is included with this proposal.
- » No TDLR review is included in this proposal.
- » Additional travel to the Airport, FAA offices, or any other requested travel, beyond those meetings explicitly noted herein
- » Aerial survey
- » The Consultant will only perform services related to Per- and Polyfluoroalkyl chemicals (PFAS) or substances possibly containing PFAS, including but not limited to sampling, handling and remediating, to the extent the Client specifically directs, in writing, the Consultant to perform such services. The Client will indemnify, defend, and hold harmless RS&H and its directors, officers, employees, affiliates, subsidiaries and consultants from any and all claims, suits, actions, demands, damages, judgments, liabilities, costs, and expenses (including attorney's fees), relating to or arising out of the nonperformance of services related to PFAS to the extent the Client did not provide specific written direction to the Consultant to perform such services.

A proposed scope and fee for Construction Administration and Closeout Phase Services, Resident Project Representative Services, Construction Materials Acceptance Testing, Construction Staking, and/or any other construction-related services will be prepared under a future Amendment.

VIII PROFESSIONAL SERVICES FEE AND FEE TYPE

RS&H will provide the above-mentioned services for a Fixed Lump Sum Fee. See Attachment A for a breakdown of costs.

ATTACHMENT A

Fee Breakdown Schedule