

PART IV – PROGRAM NARRATIVE
(Suggested Format)

PROJECT: Extend Runway 18R and Remove EMAS Design

AIRPORT: Laredo International Airport

1. Objective:

The objective of the construction of a runway extension on Runway 18R and the demolition of the expired Engineering Material Arresting System (EMAS) bed on Runway 36L will allow Runway 36L-18R to service it's commercial service airlines and cargo service. The existing EMAS satisfied the safety length requirement for the current aircraft fleet mix, however with the EMAS reaching the end of its life and in poor condition, the airport will have to take it out of service and implementation of temporary declared distances on Runway 18R.

2. Benefits Anticipated:

1) Improve airfield safety and operational efficiency by eliminating Foreign Object Debris (FOD) generated by the deteriorating EMAS. 2) Maintain compliance with runway length requirements for the existing aircraft fleet mix through a 471-foot extension of Runway 18R. 3) Compensate for the removal of the EMAS by providing the necessary runway safety length, supporting continued safe and reliable aircraft operations. 4) Reduce maintenance concerns and operational disruptions associated with the deteriorated EMAS while enhancing.

3. Approach: (See approved Scope of Work in Final Application)

The project will consist of design of the EMAS removal on Runway 36L end and replace with a blast pad. Additionally, design of Runway 18R 471' extension, with a full strength pavement section consisting of 16" of P-501 concrete pavement on 5" of asphalt base course, on 6" of aggregate base course with asphalt pavement shoulders. Design of the extension of Taxiway G and new end connector Taxiway G1 are also included in the project. The project also includes design of associated drainage improvements, pavement markings, airfield lighting and signs. Also, new MALSR stations will be installed within the new grading limits of the runway extension. The design will meet FAA standards. The project also includes the design of one bid alternate that replaces the asphalt shoulders with a 12" concrete section.

4. Geographic Location:

Laredo International Airport, Laredo, TX
Runway 18R-36L and Taxiway G

5. If Applicable, Provide Additional Information:

6. Sponsor's Representative: (include address & telephone number)

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