

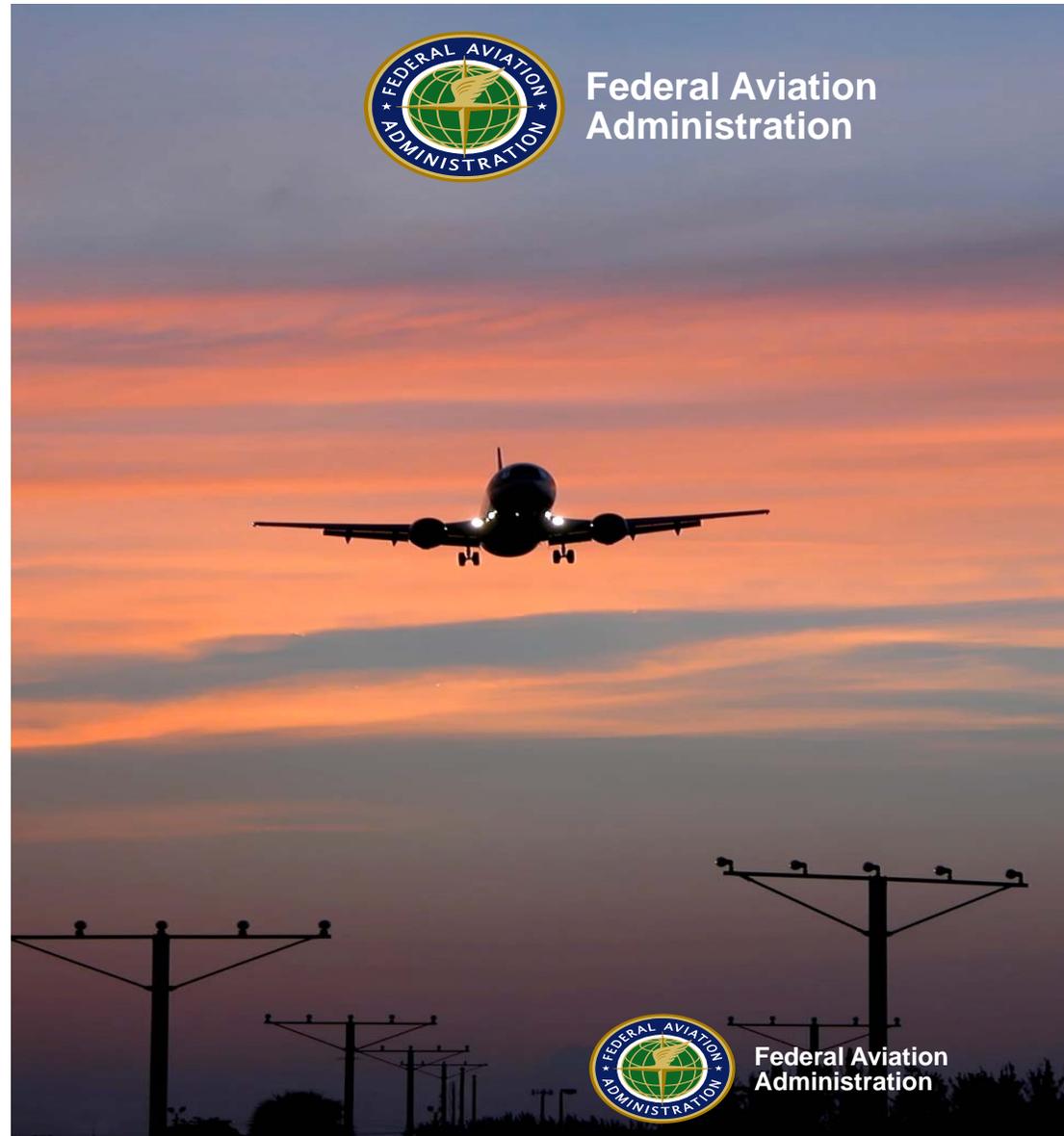
# Planning and Financial

## Passenger Facility Charge Case Study

Prepared for: 2018 Southwest  
Airport Conference

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# Case Study No. 1

## Description

- Does it contain enough information?
- Did you state what the project is for?
- Equipment – how many, what type, etc.
- Land – include parcel number and type of acquisition
- Pavement – location, dimensions, type, etc.



# Case Study No. 1

## Description

This project includes design and construction of a new exit taxiway, Taxiway F6, between existing Taxiways F3 and F6, the existing Taxiway F6 will become Taxiway F7.



# Case Study No. 1

## Revised description

This project includes design and construction of a new exit taxiway, Taxiway F6, between existing Taxiways F3 and F6, the existing Taxiway F6 will become Taxiway F7. The construction of the new Taxiway includes the following work:

- Construction of new concrete airfield pavement as detailed below,
- Installation of new airfield lighting along new airfield pavement, will include an estimated 16 new LED taxiway edge lights,
- Required airfield paint markings on new airfield pavement, including taxiway edge and centerline markings, a hold line and surface painted guidance sign on the new Taxiway F6 hold position for Runway 3/21,
- Earthwork and drainage to prepare area for installation of new airfield pavement, and
- Other required work including re-signing and re-marking existing Taxiway F6 to update to Taxiway F7, this will include modification to legends on three guidance signs.

The new Taxiway F6 is expected to be nominally 280 feet in length by 75 feet in width, it will include additional pavement for the tapers to connect to Taxiway F and Runway 3/21. Total new taxiway pavement area will be approximately 7,000 square yards.

The location of the new Taxiway is shown on Attachment B-01-1



# Case Study No. 2

## Objective

- Pick one objective.
- Explain what the problem or deficiency is.
- Explain how the project addresses the problem or deficiency.
  
- Keep in mind
  - Preserve – maintains the status quo.
  - Enhance – generally new.



# Case Study No. 2

## Objective

This project is intended to preserve the capacity, safety and security of XXX. Fully functioning and reliable escalators are necessary to provide passenger access up from the ground level of the terminal, which contains the public entrances to the terminal and the airline ticket counters, up to the security checkpoint and the airline gates.



# Case Study No. 2

## Revised Objective

This project is intended to preserve capacity at XXX. The existing Hyundai escalator were installed in 1980 and breaks down weekly (see attached report for details). Hyundai no longer manufactures this escalator, replacement parts are becoming obsolete and very expensive to obtain. Replacement of the escalators will alleviate the issue of ongoing break downs and the unavailability of parts and will allow the elevators to serve it's intended function of moving passengers from the first level of the airport to the TSA check point located on the second level. Currently there is no other way to access the second level.



# Case Study No. 3

## Justification

- Explain the need for the project.
- How the project accomplishes the objective.
- How the project is cost-effective compared to other reasonable and timely means to accomplish the objective.



# Case Study No. 3

## Justification

The passenger loading bridge at Gate 1 is currently over 20 year old. The cost of maintenance has increased considerably in the past two years. The replacement of this bridge will ensure passengers can load and unload the aircraft.



# Case Study No. 3

## Revised Justification

The airport terminal consists of one concourse with 10 gates. The passenger loading bridge at Gate 1 is currently over 20 year old. All the loading bridges at XXX airport are common use, owned and maintained by the airport. The cost of maintenance has increased considerably in the past two years (see report for details). Gate 1 is in constant use (see report of gate usage). When this bridge is taken out of service for repair, the airport does not have a replacement bridge. By acquiring a new loading bridge, the airport will ensure passengers can load and unload the aircraft.



**Any questions?**



Federal Aviation  
Administration

# The End

