LAX Runway Safety Area Program

LAX/Community Noise Roundtable
September 9, 2015

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LAX Runway Configuration

LAX Runway Configuration

6L
6R
7L
7R
24R
24L
25R
25L
Runway Safety Areas (RSA)

- Area surrounding a runway that provides critical safety margins for landing and departing aircraft
- Must be kept clear, well drained, and capable of supporting the weight of commercial aircraft
- Must meet dimensional requirements
  - 1,000 feet by 500 feet at each runway end
  - 250 feet from the runway centerline depending on the type of instrument approach procedures and the size and type of aircraft served by the runway
- Provides for greater accessibility for firefighting and rescue equipment should an incident occur at the end of the runway
The Runway Safety Area (RSA) program for LAX

- Runway 7R-25L RSA and Temporary Repair - completed
- Runway 6L-24R RSA and Rehabilitation – under construction
- Runway 6R-24L RSA – construction to begin November
- Runway 7L-25R RSA and Rehabilitation – final design

Federal Compliance Requirement

- All commercial service airports must meet the minimum identified RSA standards by improving RSAs no later than 2015.
LAX RUNWAY SAFETY AREA PROJECTS (as of September 1, 2015)
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Runway Construction

Runway 24R RSA and Repair
Mar 2015 – Apr 2015

Runway 2R RSA and Repair
June 2015 – Oct 2015

Runway 6R/24L RSA

Runway 7L-25R RSA / Taxi B Rehabilitation
Oct 2016 – June 2017

Runway 25L RSA & Repair
Runway 7R-25L RSA and Repair

25L RSA Grading

Temporary 25R Grading
RW 24R closed June 29, 2015 for 4 months

Update: Placed box structure in Argo Ditch & partial runway pavement replacement
Argo Ditch Construction

Argo Channel shoring and grading – 7/30/15

New Argo Channel box structure – 8/25/15
Argo Ditch after July rain. Lincoln Blvd outlet on the right. – 7/20/15

Constructing transition structure for Lincoln Blvd outlet – 8/21/15
Runway 24R Rehabilitation

Runway 24R demolition - 7/13/15

Runway 24R paving lane and centerline light cans - 7/29/15
Runway 24R Rehabilitation

Runway 24R pavement and centerline lights - 8/24/15

RW Guard Lights at Taxiway Y - 8/24/15
Existing localizer, VSR, parking lot and fence violate RSA standards.
Existing runway length of 10,285 feet to be maintained by using declared distances.
Existing blast fence, VSR, AOA fence, Pershing Drive and Dunes violate RSA standards.
Runway 6R-24L RSA
West End (RW 6R)

- Relocate MALSR
- Blast Pad
- Relocate RW End
- New Entrance TWs
- Realign TW E
- 537’ Displaced Threshold
- 6R GS
- Relocated GS & PAPI
- 537’ Displaced Threshold
Runway 7L-25R RSA and Rehabilitation

Shortened runway Oct/Nov 2016 - 3½ months
Runway closure Jan/Feb 2017 - 4 months

Update: Closure of Taxiway C re-sequenced to after runway repair work completed.
LAX RUNWAY SAFETY AREA PROJECTS
(As of September 1, 2015)

- Runway 25L RSA and Repair
  - Bid Open: Aug 2014
  - Designer Selection
  - Design
  - Bid Open: Dec 2014
  - Mob
  - Shortened Runway: 9,660 ft.
  - Anticipated RW closure

- Runway 6L-24R RSA & Rehabilitation
  - Bid Open: Aug 2014
  - Designer Selection
  - Design
  - Bid Open: Dec 2014
  - Mob
  - Anticipated RW 24R nightly closures (x10)
  - Anticipated RW 25R 52hr weekend closures (x2)

- Runway 6R-24L RSA
  - Bid Open: June 2015
  - Designer Selection
  - Design
  - Mob
  - Anticipated RW 24L (East Work)
  - Anticipated RW closure

- Runway 7L-25R RSA / Twy B Rehabilitation
  - Bid Open: Dec 2015
  - Mob
  - Anticipated RW closure
  - 25R & TWY B
QUESTIONS ?