

May 2, 2017



City of
Santa Monica[®]

AIRPORT COMMISSION MEETING



SANTA MONICA AIRPORT

Shorten the Runway at SMO to 3,500 feet per Consent Decree between the FAA and the City of Santa Monica. (SP2500)

AGENDA

Introduction

Project Timeline

Criteria

Alternatives

Public Comment

INTRO

Purpose of this meeting is to present the Runway Shortening Project.

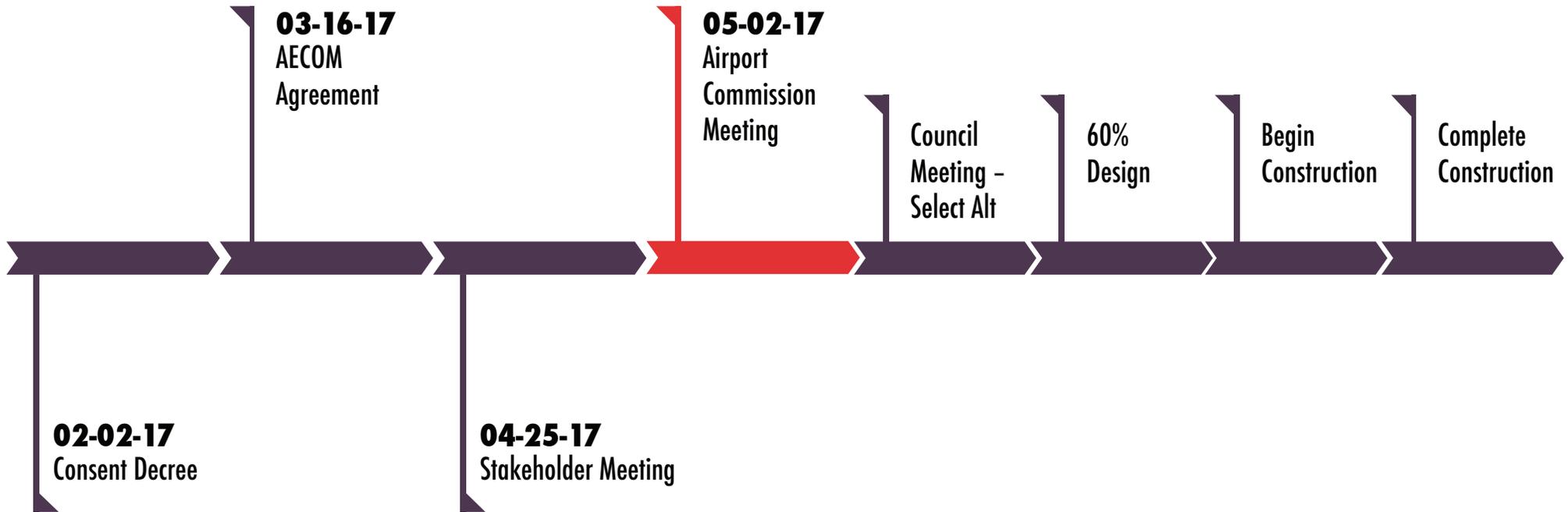
Consent Decree:

Runway Length

“The Parties agree that the Airport’s runway shall have an operational runway length of 3,500 feet. The 3,500 foot distance shall not include the runway safety areas that shall be constructed and maintained at both runway ends.”

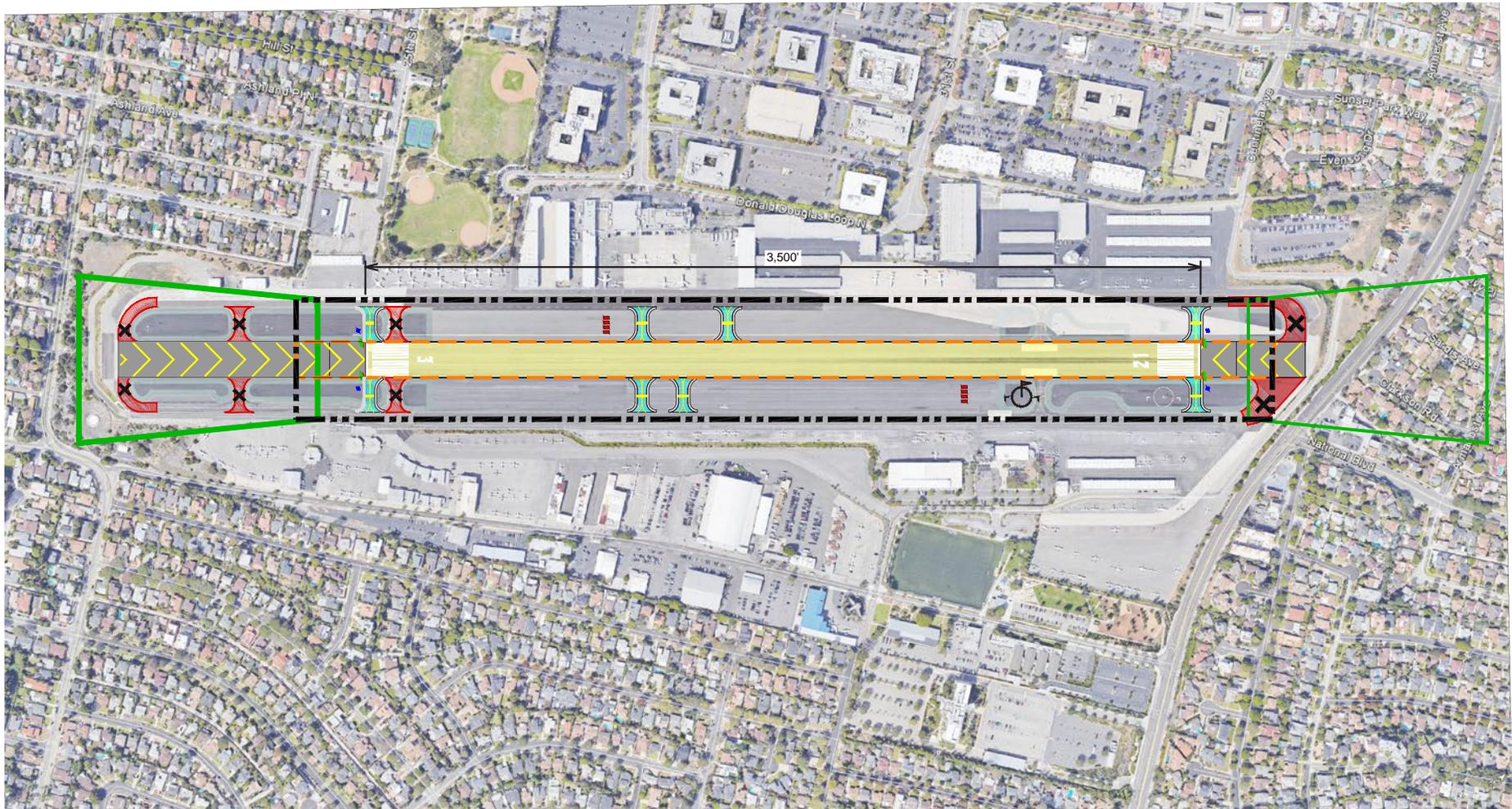
“The Parties further agree that the Airport shall accommodate aircraft operations that can safely take off and land on a runway of the agreed-on length.”

PROJECT TIMELINE



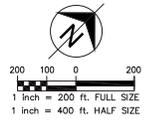
CRITERIA USED TO DEVELOP OPTIONS

- Air Quality and Noise
- Cost
- Schedule
- Proximity to air traffic control tower and existing airport facilities
- Elimination of substandard taxiway / runway separation (southwest corner)
- Runway Object Free Area (ROFA) within airport property
- Infrastructure remaining in the Runway Protection Zone (RPZ)



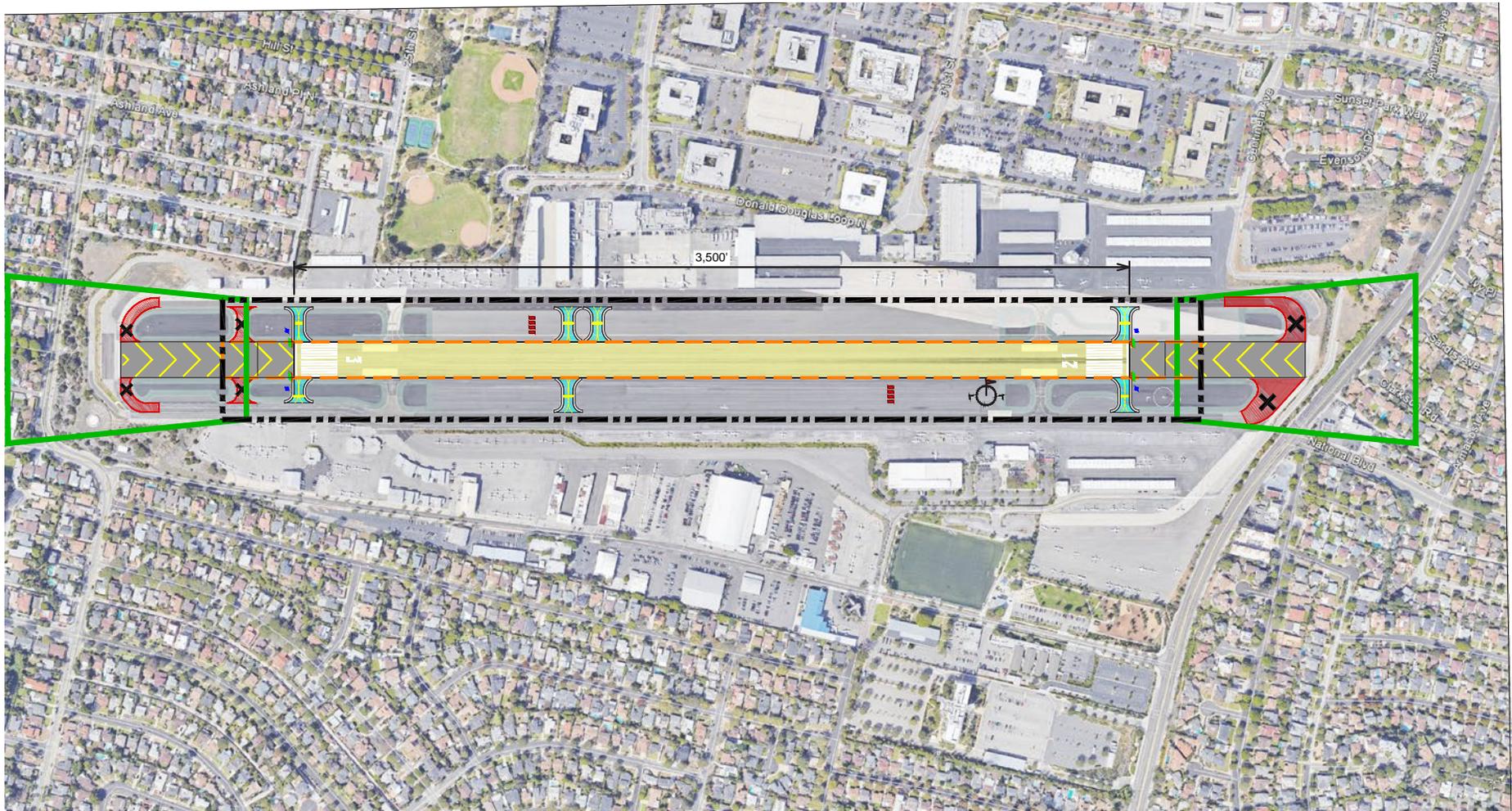
LEGEND:

- | | | | |
|--|-------------------------|---|--|
|  | RUNWAY OBJECT FREE AREA |  | PAVEMENT UNUSABLE |
|  | RUNWAY PROTECTION ZONES |  | NEW TAXIWAY PAVEMENT |
|  | RUNWAY SAFETY AREA |  | RUNWAY PAVEMENT TO BE ABANDONED & RE-STRIPED |
|  | PROPOSED RUNWAY |  | NEW PRECISION APPROACH PATH INDICATOR (PAPI) |



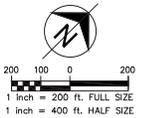
SANTA MONICA AIRPORT SHORTENING OF RUNWAY 3-21

OPTION A



LEGEND:

- | | | | |
|--|-------------------------|---|--|
|  | RUNWAY OBJECT FREE AREA |  | PAVEMENT UNUSABLE |
|  | RUNWAY PROTECTION ZONES |  | NEW TAXIWAY PAVEMENT |
|  | RUNWAY SAFETY AREA |  | RUNWAY PAVEMENT TO BE ABANDONED & RE-STRIPED |
|  | PROPOSED RUNWAY |  | NEW PRECISION APPROACH PATH INDICATOR (PAPI) |



SANTA MONICA AIRPORT SHORTENING OF RUNWAY 3-21

OPTION B

| Item | Detail | Option A | Option B |
|---------------------------------------|---|--|--|
| Safety | Buffer Area (RWY 21) ¹ | When taking off and landing, pilot has additional 1,035 feet of buffer area and more reaction time | When taking off and landing, pilot has an additional 736 feet of buffer area |
| | Buffer Area (RWY 3) ² | When taking off and landing, pilot has additional 438 feet of buffer area and more reaction time | When taking off and landing, pilot has an additional 736 feet of buffer area |
| | Down-slope (RWY 21) ¹ | Westerly direction is on a downhill slope. This option provides an additional 1,035 feet of emergency overrun. | Westerly direction is on a downhill slope. This option provides an additional 736 feet of emergency overrun. |
| | Up-slope (RWY 3) ² | Provides an additional 438 feet of emergency overrun on an uphill grade where gravity assists with braking. | Provides an additional 736 feet of emergency overrun on an uphill grade where gravity assists with braking. |
| | Control Tower | Maximizes runway visibility for the control tower. | Provides improved runway visibility for the control tower. |
| Noise | | Reduces operations & change in fleet = reduced noise | Reduces operations & change in fleet = reduced noise |
| Air Quality | | Reduces operations & change in fleet = reduced emissions | Reduces operations & change in fleet = reduced emissions |
| Cost | | +/- \$4M (Budget Amount) | +/- \$4M (Budget Amount) |
| Schedule | | End of 2017 | End of 2017 |
| Land use | West remainder parcel | 19.2 acres of contiguous land | 14.3 acres of contiguous land |
| | East remainder parcel | 5 acres of contiguous land | 8.5 acres of contiguous land |
| Features in RPZ* (current) | Residences (141) | Reduced to 36 | Reduced to 25 |
| | Gas Stations (0) | 1 moved from ROFA | 1 moved from ROFA |
| | Public road length (7100) | Reduced to ~2,500 LF | Reduced to ~2,200 LF |
| | Tie-downs in controlled activity area (0) | Increased to 7 | Increased to 3 |

* RPZ = Runway Protection Zone ¹ RWY 21 – 95% of operations is westbound ² RWY 3 – 5% of operations is eastbound

Public Comment

