

Runway 16/34 Safety Improvement Project

Information in this briefing is subject to change.

Presented to: Safety Management

By: FTW ATCT

Date: 3/11/2009

Change 4, refers to current construction



Federal Aviation
Administration



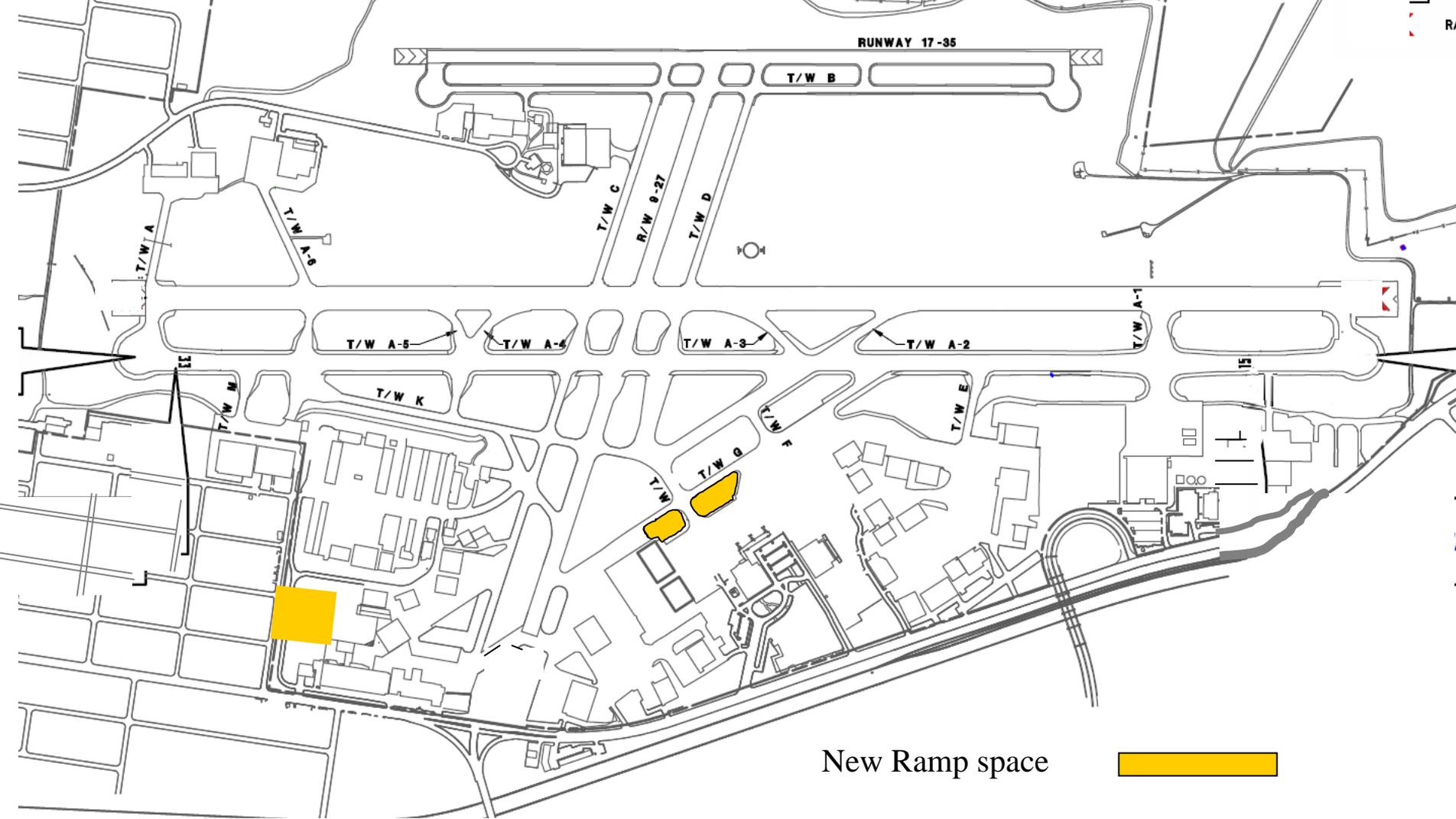
THIS PRESENTATION IS SUBJECT TO CHANGE



The project is scheduled to begin on February 23, 2009.

The improvements include:

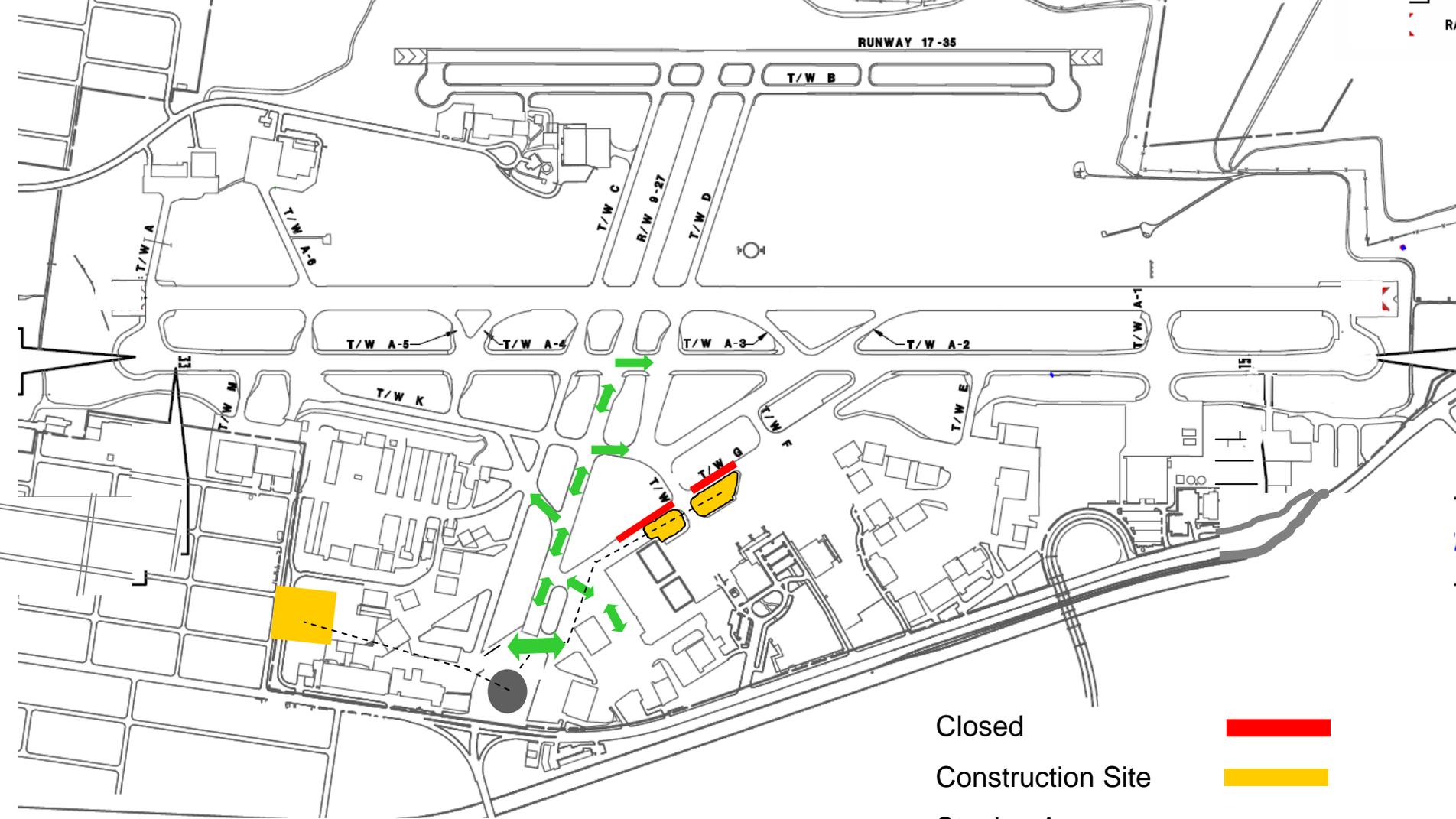
- **Adding new apron in the area of Texas Aviation ramp**
- **Adding new apron (Paving fillets west of terminal)**
- **Approximately 3 weeks to complete**



NOT TO SCALE

Procedures

- **Runway 9/27 closed for arriving and departing aircraft. Taxi is authorized.**
- **Flagmen on non-movement area.**
- **Construction Vehicle call sign: “ABR1”**
- **Taxi Lane Golf closed either side of Taxiway Kilo adjacent to grass construction site on ramp.**
- **Taxiway Kilo available for taxi to and from ramp.**



NOT TO SCALE

- Closed
- Construction Site
- Staging Area
- Taxi Routes

March 23, 2009

**ILS Runway 16 and Runway 34 turned
off in case of second phase starting
early**

GPS 16 and GPS 34 available



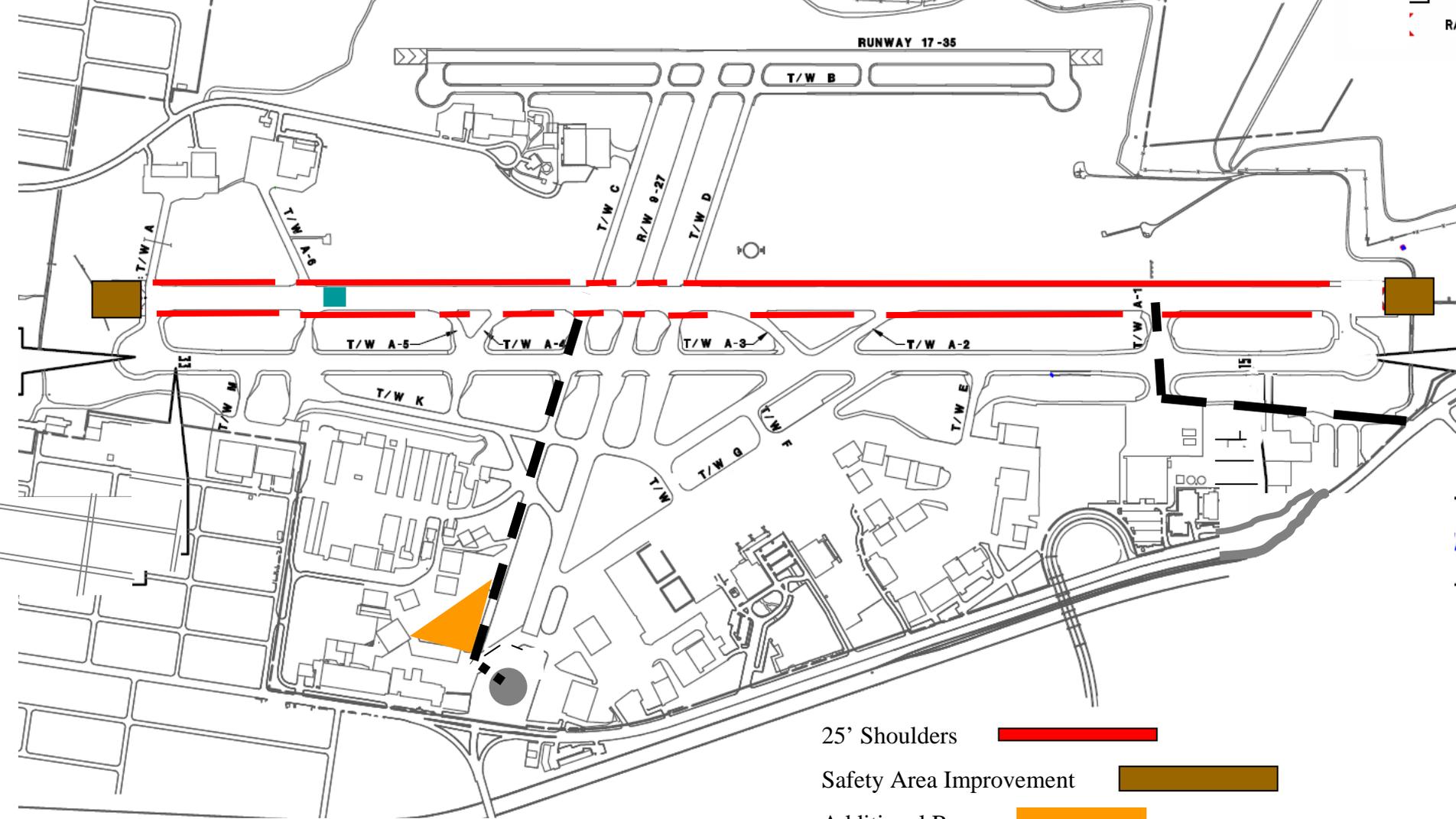
Overview of Construction Projects

- **Adding 25 feet asphalt shoulders to Runway 16/34**
- **Replacing all runway lights and conduit for Runway 16/34**
- **Improving the safety areas on both ends of Runway 16/34**



- **Medium Intensity Approach Lighting System adjusted due to elevation changes in over-run**
- **Additional ramp space near Texas Aviation**
- **Runway improvement on bump south end of RWY34.**





NOT TO SCALE

- 25' Shoulders
- Safety Area Improvement
- Additional Ramp
- Proposed Construction Route
- RWY 34 improvement

Overview of Changes to Airport Layout During Construction

- **Runway 16/34 will be changed to “TAXIWAY ZULU”.**
 - All painted runway markings on Runway 16/34 will be removed.
 - Runway End Identifier Lights (REILS) will be removed.
 - Medium Intensity Approach Lighting System will be removed on both ends of the runway and reset by the end of the project.

- **Runway Edge Lights replaced with taxiway edge lights.**
- **Precision Approach Path Indicators (PAPI) will be turned off for both Runway 16 and 34.**

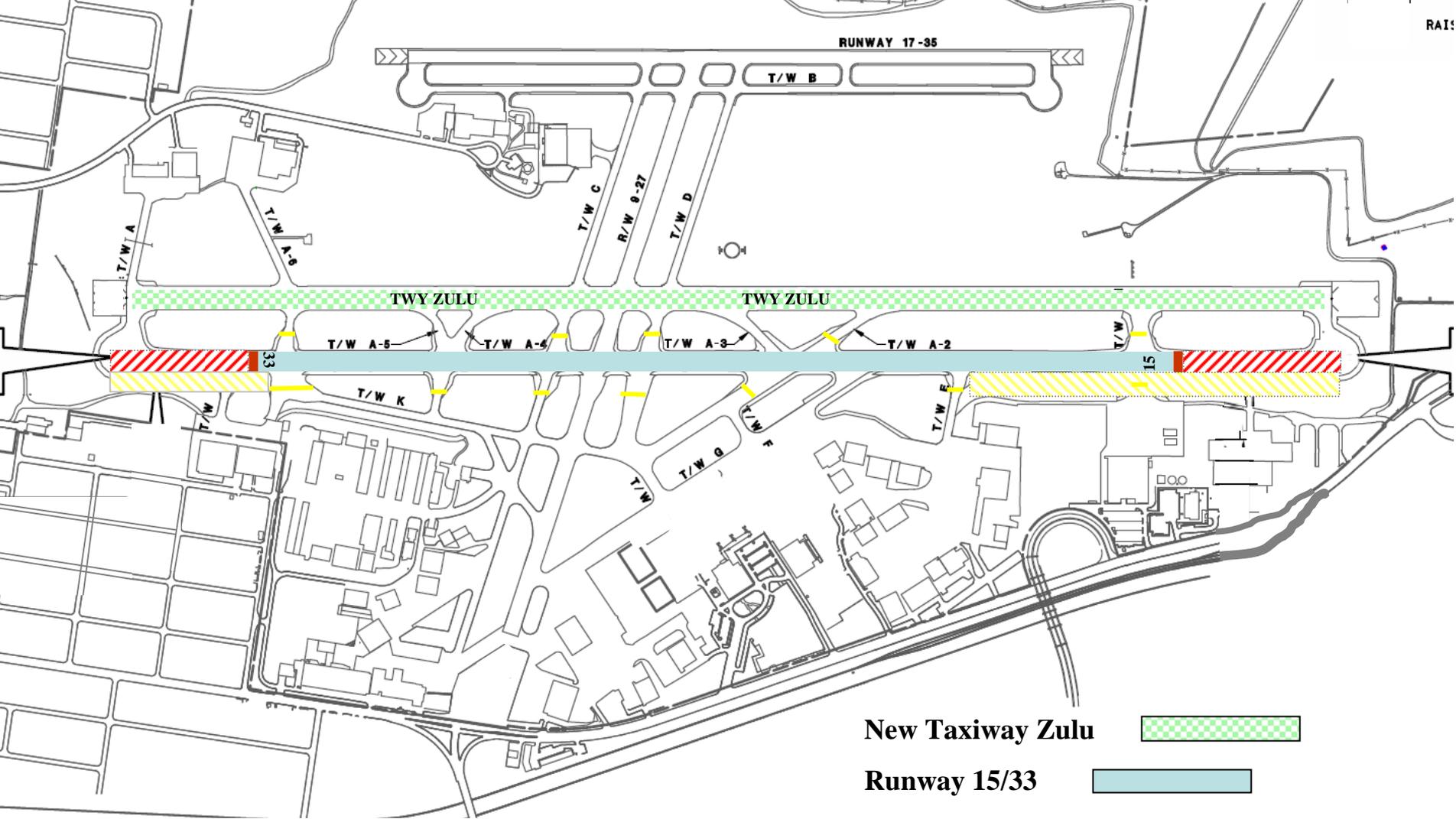


Changes to Taxiway Alpha

- **Taxiway Alpha will become “RUNWAY 15/33”**
 - All taxiway markings will be replaced with appropriate runway markings.
 - A runway safety area (RSA) will be in effect for Runway 15/33.
 - Displaced landing thresholds for Runway 15/33 (total length 6000 feet).

- **Taxiway lights will be replaced with runway edge lights.**
- **New runway hold lines will be painted for Runway 15/33 at all appropriate intersections.**





Not to Scale

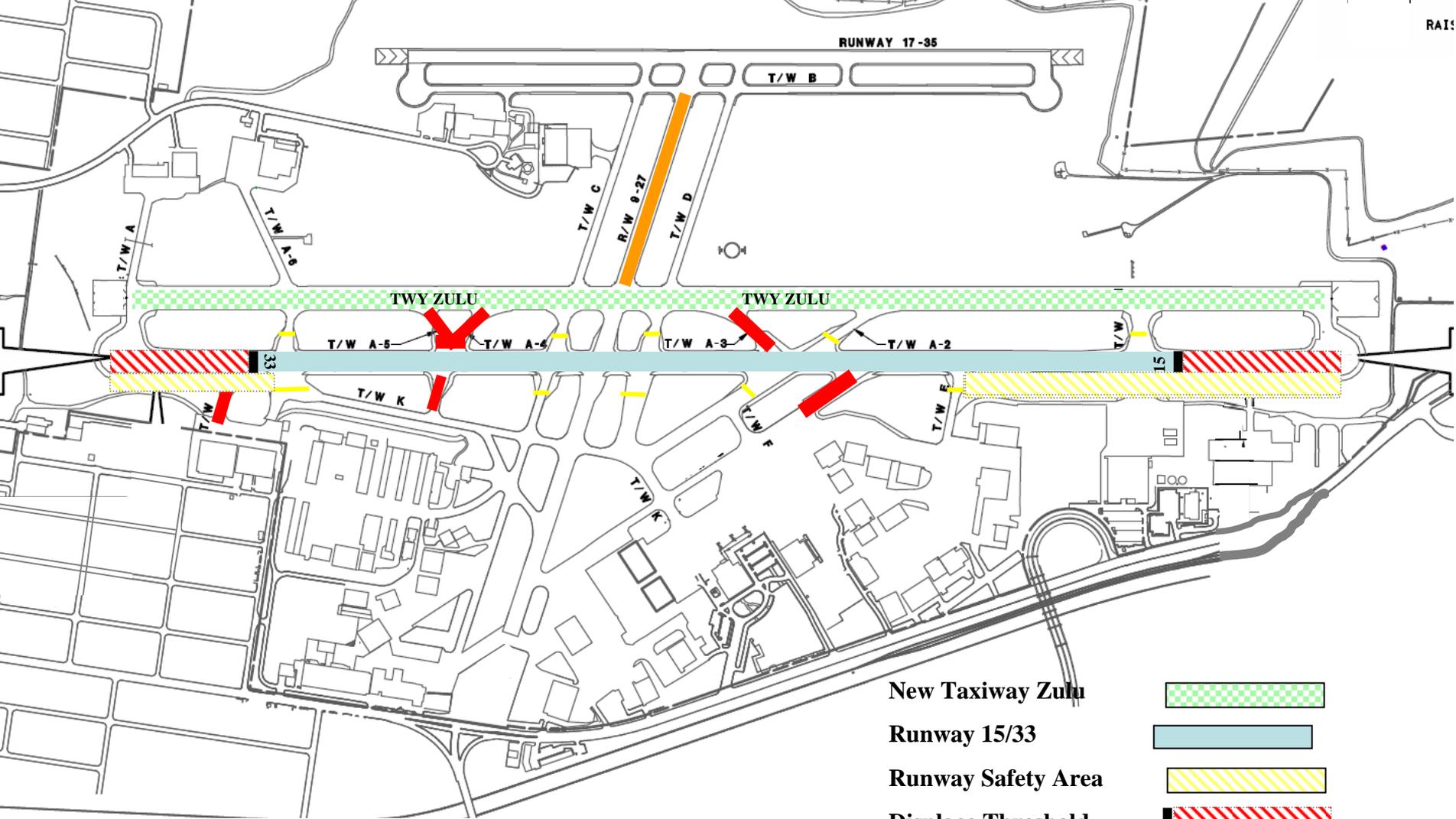
- New Taxiway Zulu 
- Runway 15/33 
- Runway Safety Area 
- Displace Threshold 

Runway 09/27

- **Runway 09/27 will be closed for arriving and departing traffic. Taxi will be permitted.**
- **Runway 09/27 west of Taxiway Zulu is being considered as a run-up area for Runway 17/35 departures.**

Other Taxiways

- **Taxiways Alpha 4 (both sides of Alpha) and Taxiway Alpha 5 closed. (possibly permanent)**
- **Taxiway Mike closed**
- **Taxiway Alpha 3 closed**
- **Taxiways Golf and Golf 1 closed**
- **Taxiway Hotel closed**



Not to Scale

- New Taxiway Zulu
- Runway 15/33
- Runway Safety Area
- Displace Threshold
- Closures
- Proposed Run-up Area



TRANSITION PHASES



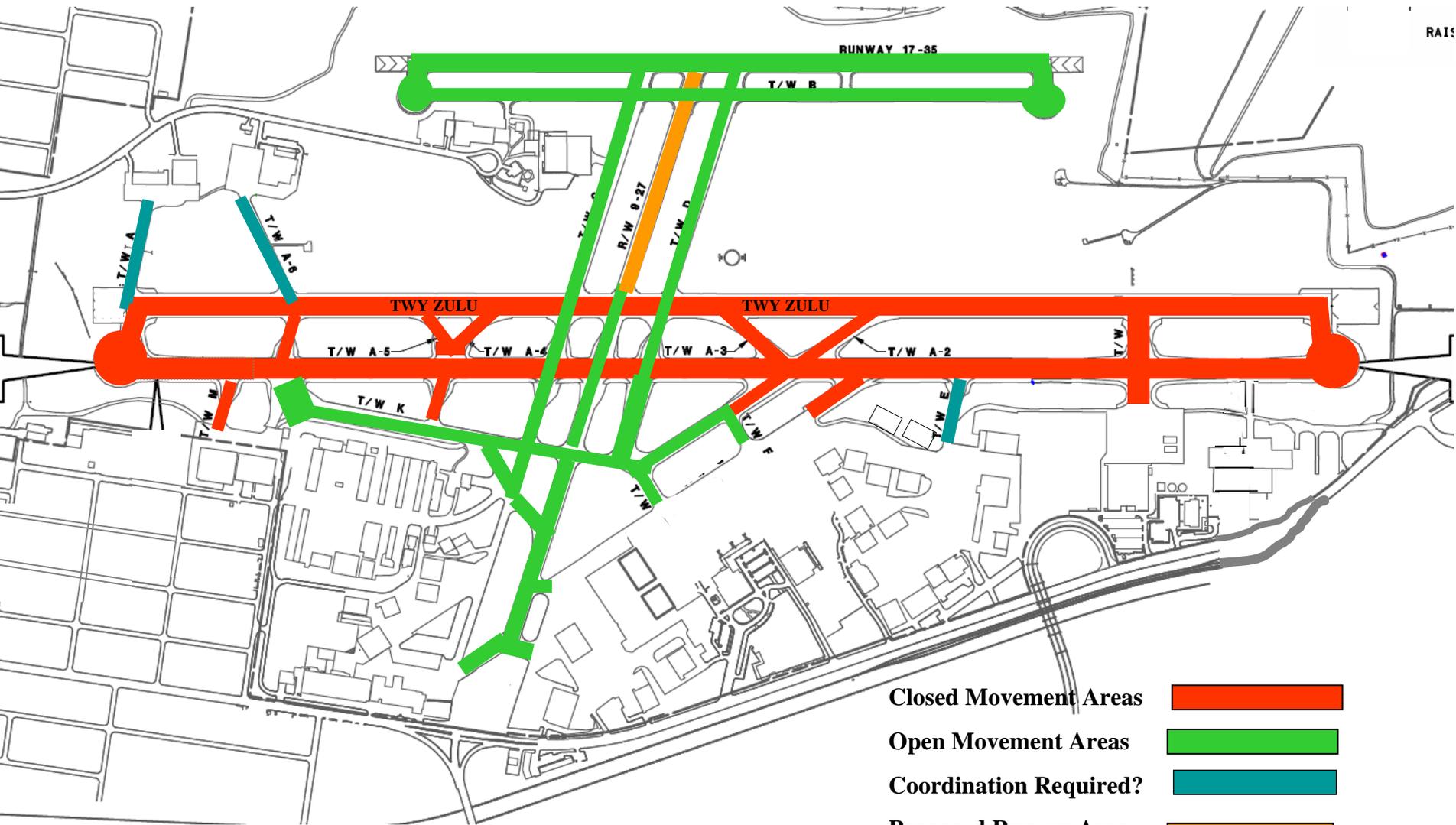
March 28, 2009 (Saturday)

Phase 1

- **Airport CLOSED:** Beginning Saturday evening (10pm) until Sunday morning (8am)

Phase 2

- **At 8am Sunday morning, Runway 17/35 and only limited taxiways (see next slide) will open until 10pm March 29, 2009, Sunday evening**



Not to Scale

Phase 3

- **Airport Closed:** At 10pm Sunday evening until 8am Monday morning.

March 30, 2009

Phase 4 (63 days)

- **Airport Open**
 - Runway 15/33 and 17/35 in use.
 - Taxiway Zulu in use. EXCEPT: expect Taxiway Zulu to be closed from 10pm until 8am nightly throughout construction project.

Projects During Transition Phases

- **Remove runway markings on Runway 16/34 and repaint with taxiway markings.**
- **Paint new hold short lines at all new intersections to Runway 15/33.**
- **Establish barricades at all intersections leading into closed movement areas.**
- **Place new airport signage for affected movement areas.**

Operations During Construction

- **No Instrument Landing System (ILS) approach available. Other approaches available:**
 - **RNAV (GPS) RWY 16 circle to RWY 17 and RWY 15 only between sunrise and sunset. (Night time still in question)**
 - **GPS RWY 34 circle to RWY 35 only**
 - **IFR departure minimums may change. (200-1) for RWY 15/33**
- **No practice approaches**
- **Touch and go traffic not allowed for Runway 15/33, restricted to Runway 17/35**

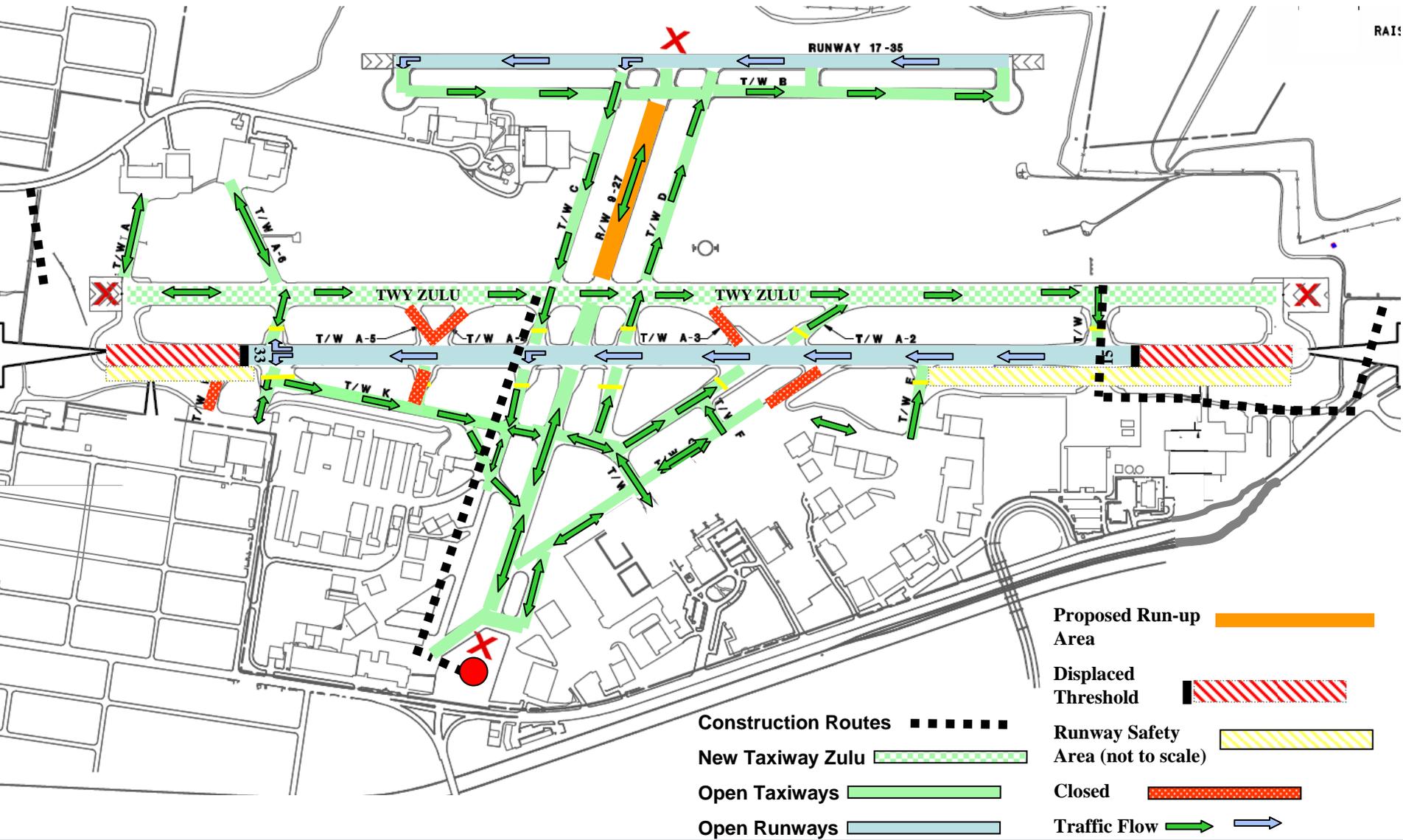
- **Traffic permitting/warrants: All single engine type aircraft will depart and land on Runway 17/35**
- **High performance aircraft will use Runway 15/33 (Displaced thresholds)**
- **Maintenance engine run-up areas will be determined as requested**



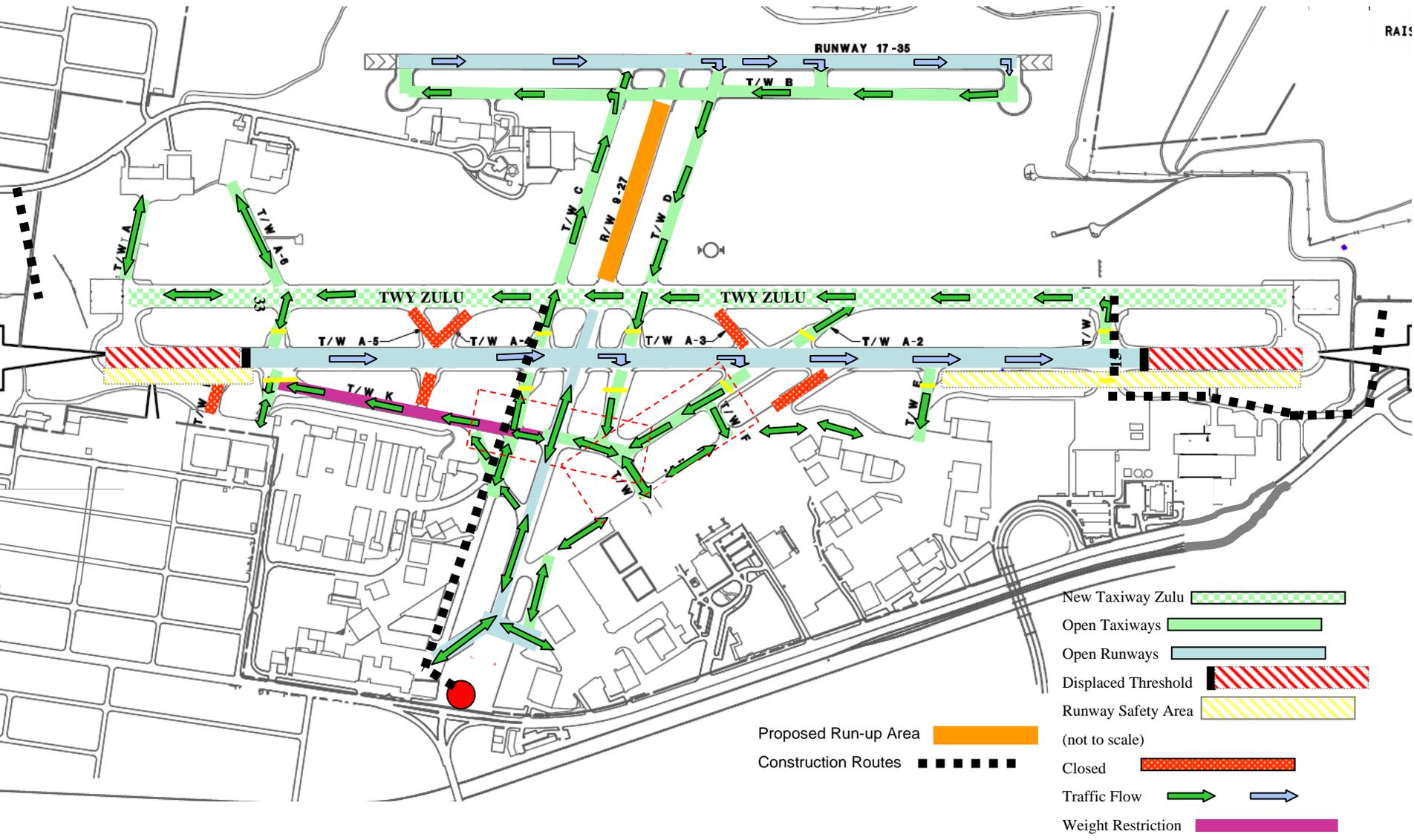
Taxi Thoughts for Pilots

- **Expect non-standard taxi routes. Some taxiways will be one direction only. Some taxiways will be outbound only and others inbound/exit only.**
- **Listen for runway assignment from the Ground Controller. A majority of traffic will be using Runway 17/35 for departures and arrivals**
- **Read-back hold instructions**
- **WCC “When Confused Clarify”**
- **Be aware of construction vehicles also in the non-movement areas and their unfamiliar knowledge of airport surroundings**
- **Does taxi clearance to a runway authorize clearance to cross that same runway?**

RWY 15/17 TRAFFIC FLOW



RWY 33/35 TRAFFIC FLOW



Change Over -Runway 16/34 & Taxiway Alpha

- Date unknown at this time
- **Airport CLOSED**
- Will begin on Saturday (10pm) evening until Sunday morning (8am).

- **Remove runway markings on Runway 15/33 and repaint with taxiway markings**
- **Paint new hold short lines at all intersections to Runway 16/34**
- **Remove barricades at all intersections leading into closed movement areas**
- **Replace new airport signage for affected movement areas**



- **Phase 5- Airport Reopen normal operation**
- **REILS and PAPI's repositioned onto Runway 16/34**
- **MALSR return to service**
- **ILS approach available (once flight checked)**



QUESTIONS ?



