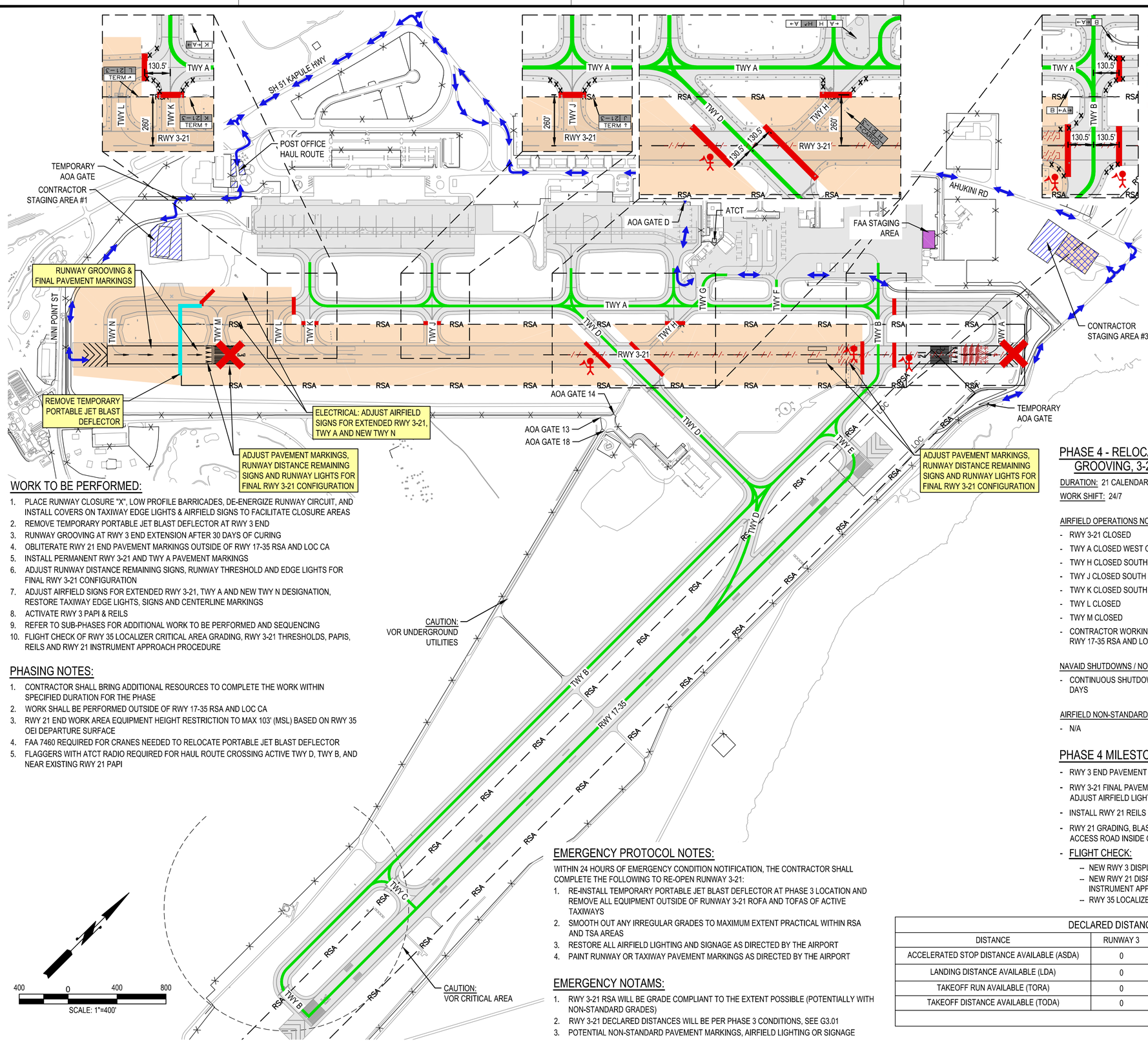

LEGEND

- RSA — RUNWAY SAFETY AREA
- ACTIVE AIRCRAFT ROUTES
- TEMPORARY PORTABLE JETBLAST DEFLECTOR
- LOW PROFILE BARRICADE
- TRAFFIC CONES
- CONTRACTOR HAUL ROUTE
- RUNWAY CLOSURE 'X'
- FLAGGER - WITH ATCT RADIO COMMUNCIATION
- CLOSED CONSTRUCTION AREA
- CONTRACTOR STAGING AREA
- TEMPORARY EARTHWORK STOCKPILE
- EARTHWORK BORROW SITE
- COVER AIRFIELD SIGN
- COVER AIRFIELD LIGHT
- FAA STAGING & WORK AREA

WORK TO BE PERFORMED:

1. PLACE RUNWAY CLOSURE "X", LOW PROFILE BARRICADES, DE-ENERGIZE RUNWAY CIRCUIT, AND INSTALL COVERS ON TAXIWAY EDGE LIGHTS & AIRFIELD SIGNS TO FACILITATE CLOSURE AREAS
2. REMOVE TEMPORARY PORTABLE JET BLAST DEFLECTOR AT RWY 3 END
3. RUNWAY GROOVING AT RWY 3 END EXTENSION AFTER 30 DAYS OF CURING
4. OBLITERATE RWY 21 END PAVEMENT MARKINGS OUTSIDE OF RWY 17-35 RSA AND LOC CA
5. INSTALL PERMANENT RWY 3-21 AND TWY A PAVEMENT MARKINGS
6. ADJUST RUNWAY DISTANCE REMAINING SIGNS, RUNWAY THRESHOLD AND EDGE LIGHTS FOR FINAL RWY 3-21 CONFIGURATION
7. ADJUST AIRFIELD SIGNS FOR EXTENDED RWY 3-21, TWY A AND NEW TWY N DESIGNATION, RESTORE TAXIWAY EDGE LIGHTS, SIGNS AND CENTERLINE MARKINGS
8. ACTIVATE RWY 3 PAPI & REILS
9. REFER TO SUB-PHASES FOR ADDITIONAL WORK TO BE PERFORMED AND SEQUENCING
10. FLIGHT CHECK OF RWY 35 LOCALIZER CRITICAL AREA GRADING, RWY 3-21 THRESHOLDS, PAPIS, REILS AND RWY 21 INSTRUMENT APPROACH PROCEDURE

PHASING NOTES:

1. CONTRACTOR SHALL BRING ADDITIONAL RESOURCES TO COMPLETE THE WORK WITHIN SPECIFIED DURATION FOR THE PHASE
2. WORK SHALL BE PERFORMED OUTSIDE OF RWY 17-35 RSA AND LOC CA
3. RWY 21 END WORK AREA EQUIPMENT HEIGHT RESTRICTION TO MAX 103' (MSL) BASED ON RWY 35 OEI DEPARTURE SURFACE
4. FAA 7460 REQUIRED FOR CRANES NEEDED TO RELOCATE PORTABLE JET BLAST DEFLECTOR
5. FLAGGERS WITH ATCT RADIO REQUIRED FOR HAUL ROUTE CROSSING ACTIVE TWY D, TWY B, AND NEAR EXISTING RWY 21 PAPI

EMERGENCY PROTOCOL NOTES:

WITHIN 24 HOURS OF EMERGENCY CONDITION NOTIFICATION, THE CONTRACTOR SHALL COMPLETE THE FOLLOWING TO RE-OPEN RUNWAY 3-21:

1. RE-INSTALL TEMPORARY PORTABLE JET BLAST DEFLECTOR AT PHASE 3 LOCATION AND REMOVE ALL EQUIPMENT OUTSIDE OF RUNWAY 3-21 ROFA AND TOFAS OF ACTIVE TAXIWAYS
2. SMOOTH OUT ANY IRREGULAR GRADES TO MAXIMUM EXTENT PRACTICAL WITHIN RSA AND TSA AREAS
3. RESTORE ALL AIRFIELD LIGHTING AND SIGNAGE AS DIRECTED BY THE AIRPORT
4. PAINT RUNWAY OR TAXIWAY PAVEMENT MARKINGS AS DIRECTED BY THE AIRPORT

EMERGENCY NOTAMS:

1. RWY 3-21 RSA WILL BE GRADE COMPLIANT TO THE EXTENT POSSIBLE (POTENTIALLY WITH NON-STANDARD GRADES)
2. RWY 3-21 DECLARED DISTANCES WILL BE PER PHASE 3 CONDITIONS, SEE G3.01
3. POTENTIAL NON-STANDARD PAVEMENT MARKINGS, AIRFIELD LIGHTING OR SIGNAGE

PHASE 4 - RELOCATE RWY 21 THRESHOLD, RWY 3 GROOVING, 3-21 FINAL MARKINGS

DURATION: 21 CALENDAR DAYS

WORK SHIFT: 24/7

AIRFIELD OPERATIONS NOTAMS:

- RWY 3-21 CLOSED
- TWY A CLOSED WEST OF TWY K AND EAST OF TWY B
- TWY H CLOSED SOUTH OF TWY A
- TWY J CLOSED SOUTH OF TWY A
- TWY K CLOSED SOUTH OF TWY A
- TWY L CLOSED
- TWY M CLOSED
- CONTRACTOR WORKING NEAR RUNWAYS AND WILL REMAIN OUTSIDE OF RWY 17-35 RSA AND LOC CA

NAVAID SHUTDOWNS / NOTAMS:

- CONTINUOUS SHUTDOWN OF RWY 3 & RWY 21 PAPI AND REILS 24/7 FOR 21 DAYS

AIRFIELD NON-STANDARD CONDITIONS:

- N/A

PHASE 4 MILESTONE:

- RWY 3 END PAVEMENT GROOVING
- RWY 3-21 FINAL PAVEMENT MARKINGS, RELOCATE RWY 21 THRESHOLD, ADJUST AIRFIELD LIGHTING & SIGNS
- INSTALL RWY 21 REILS AND RELOCATE PAPI (FAA)
- RWY 21 GRADING, BLAST PAD MILL & OVERLAY, CONSTRUCT AOA VSR & FAA ACCESS ROAD INSIDE OF LOC CA
- FLIGHT CHECK:
  - NEW RWY 3 DISPLACED THRESHOLD, PAPI & REILS
  - NEW RWY 21 DISPLACED THRESHOLD, PAPI & REILS, AND NEW RWY 21 INSTRUMENT APPROACH PROCEDURE
  - RWY 35 LOCALIZER CRITICAL AREA GRADING

DECLARED DISTANCES

DISTANCE	RUNWAY 3	RUNWAY 21	RUNWAY 17	RUNWAY 35
ACCELERATED STOP DISTANCE AVAILABLE (ASDA)	0	0	6,500'	6,500'
LANDING DISTANCE AVAILABLE (LDA)	0	0	6,500'	6,500'
TAKEOFF RUN AVAILABLE (TORA)	0	0	6,500'	6,500'
TAKEOFF DISTANCE AVAILABLE (TODA)	0	0	6,500'	6,500'

* DECLARED DISTANCE REDUCED

Airports Division
DEPARTMENT OF TRANSPORTATION
STATE OF HAWAII

DUKE S. YOUNG
LICENSED PROFESSIONAL ENGINEER
PE-17779
HAWAII, U.S.A.

Duke Young 4/30/24
Expiration Date
DUKE YOUNG, PE
CIVIL ENGINEER

DSGN.	DRWN.	CHKD.	APPD.
HF	HT	JB	DY

KEY PLAN / NOTES:

NO.	DATE	REVISIONS

CONSTRUCTION DOCUMENTS
JULY 2022
DATE

PROJECT TITLE :

RELOCATE RUNWAY 3-21

AT
LIHUE AIRPORT
LIHUE, KAUAI, HAWAII

PROJECT NO.:

AK1031-14

SHEET TITLE:

PHASE 4

DATE : 07/2022

SHEET : 58 OF 376 SHEETS

DWG. NO. G4.01

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