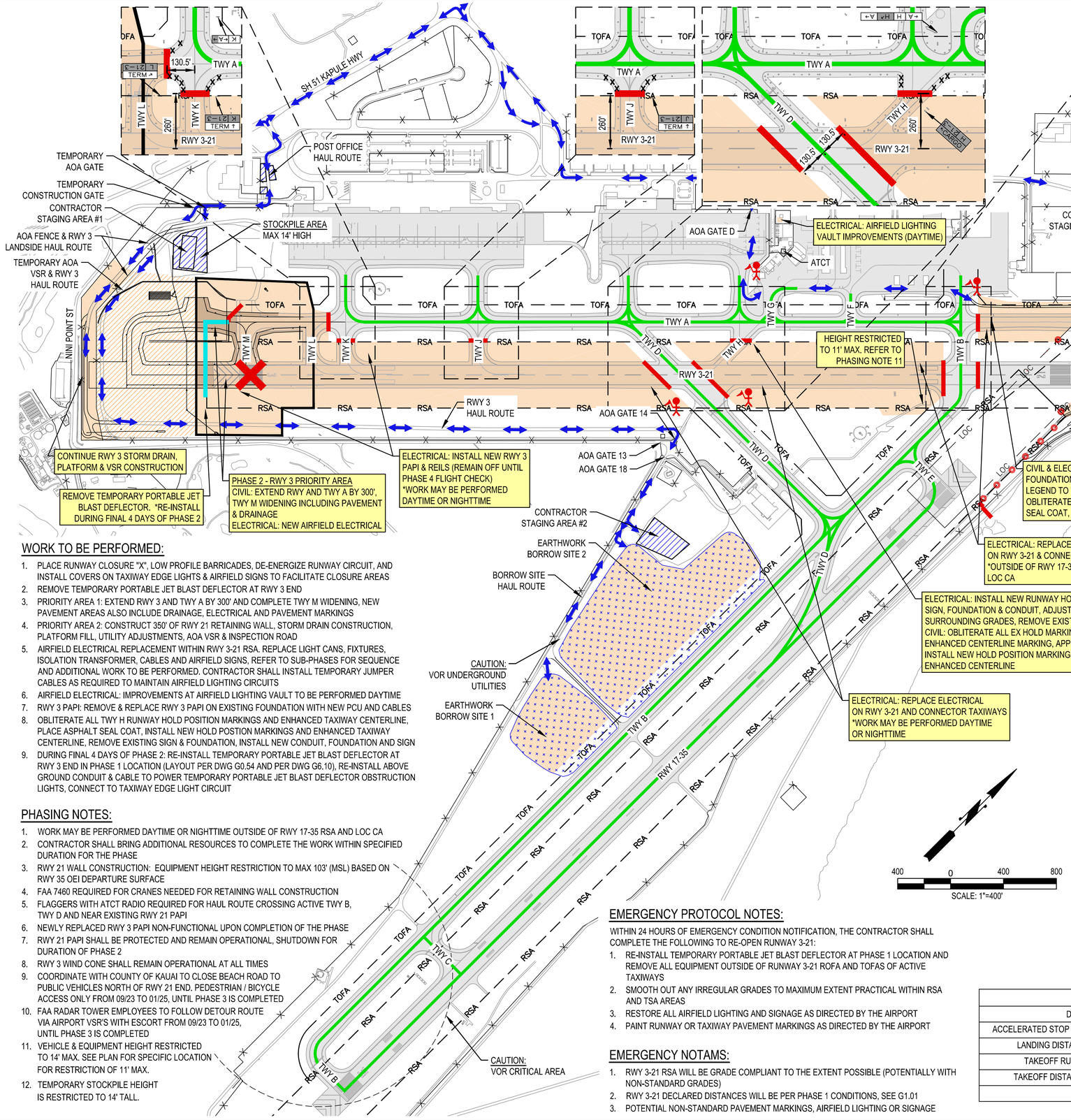

WORK TO BE PERFORMED:

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. PRIORITY AREA 1: EXTEND RWY 3 AND TWY A BY 300' AND COMPLETE TWY M WIDENING, NEW PAVEMENT AREAS ALSO INCLUDE DRAINAGE, ELECTRICAL AND PAVEMENT MARKINGS
4. PRIORITY AREA 2: CONSTRUCT 350' OF RWY 21 RETAINING WALL, STORM DRAIN CONSTRUCTION, PLATFORM FILL, UTILITY ADJUSTMENTS, AOA VSR & INSPECTION ROAD
5. AIRFIELD ELECTRICAL REPLACEMENT WITHIN RWY 3-21 RSA. REPLACE LIGHT CANS, FIXTURES, ISOLATION TRANSFORMER, CABLES AND AIRFIELD SIGNS, REFER TO SUB-PHASES FOR SEQUENCE AND ADDITIONAL WORK TO BE PERFORMED. CONTRACTOR SHALL INSTALL TEMPORARY JUMPER CABLES AS REQUIRED TO MAINTAIN AIRFIELD LIGHTING CIRCUITS
6. AIRFIELD ELECTRICAL: IMPROVEMENTS AT AIRFIELD LIGHTING VAULT TO BE PERFORMED DAYTIME
7. RWY 3 PAPI: REMOVE & REPLACE RWY 3 PAPI ON EXISTING FOUNDATION WITH NEW PCU AND CABLES
8. OBLITERATE ALL TWY H RUNWAY HOLD POSITION MARKINGS AND ENHANCED TAXIWAY CENTERLINE, PLACE ASPHALT SEAL COAT, INSTALL NEW HOLD POSTION MARKINGS AND ENHANCED TAXIWAY CENTERLINE, REMOVE EXISTING SIGN & FOUNDATION, INSTALL NEW CONDUIT, FOUNDATION AND SIGN
9. DURING FINAL 4 DAYS OF PHASE 2: RE-INSTALL TEMPORARY PORTABLE JET BLAST DEFLECTOR AT RWY 3 END IN PHASE 1 LOCATION (LAYOUT PER DWG G0.54 AND PER DWG G6.10), RE-INSTALL ABOVE GROUND CONDUIT & CABLE TO POWER TEMPORARY PORTABLE JET BLAST DEFLECTOR OBSTRUCTION LIGHTS, CONNECT TO TAXIWAY EDGE LIGHT CIRCUIT

PHASING NOTES:

1. WORK MAY BE PERFORMED DAYTIME OR NIGHTTIME OUTSIDE OF RWY 17-35 RSA AND LOC CA
2. CONTRACTOR SHALL BRING ADDITIONAL RESOURCES TO COMPLETE THE WORK WITHIN SPECIFIED DURATION FOR THE PHASE
3. RWY 21 WALL CONSTRUCTION: EQUIPMENT HEIGHT RESTRICTION TO MAX 103' (MSL) BASED ON RWY 35 OEI DEPARTURE SURFACE
4. FAA 7460 REQUIRED FOR CRANES NEEDED FOR RETAINING WALL CONSTRUCTION
5. FLAGGERS WITH ATCT RADIO REQUIRED FOR HAUL ROUTE CROSSING ACTIVE TWY B, TWY D AND NEAR EXISTING RWY 21 PAPI
6. NEWLY REPLACED RWY 3 PAPI NON-FUNCTIONAL UPON COMPLETION OF THE PHASE
7. RWY 21 PAPI SHALL BE PROTECTED AND REMAIN OPERATIONAL, SHUTDOWN FOR DURATION OF PHASE 2
8. RWY 3 WIND CONE SHALL REMAIN OPERATIONAL AT ALL TIMES
9. COORDINATE WITH COUNTY OF KAUAI TO CLOSE BEACH ROAD TO PUBLIC VEHICLES NORTH OF RWY 21 END. PEDESTRIAN / BICYCLE ACCESS ONLY FROM 09/23 TO 01/25, UNTIL PHASE 3 IS COMPLETED
10. FAA RADAR TOWER EMPLOYEES TO FOLLOW DETOUR ROUTE VIA AIRPORT VSR'S WITH ESCORT FROM 09/23 TO 01/25, UNTIL PHASE 3 IS COMPLETED
11. VEHICLE & EQUIPMENT HEIGHT RESTRICTED TO 14' MAX. SEE PLAN FOR SPECIFIC LOCATION FOR RESTRICTION OF 11' MAX.
12. TEMPORARY STOCKPILE HEIGHT IS RESTRICTED TO 14' TALL.

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 1 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 1 CONDITIONS, SEE G1.01
3. POTENTIAL NON-STANDARD PAVEMENT MARKINGS, AIRFIELD LIGHTING OR SIGNAGE

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

PHASE 2 (24/7) - ELECTRICAL & CIVIL - RWY 3-21, TWY A, TWY M & RWY 21 RETAINING WALL

DURATION: 75 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

AIRFIELD NON-STANDARD CONDITIONS:

- N/A

PHASE 2 MILESTONE:

- COMPLETE AIRFIELD ELECTRICAL REPLACEMENT
- DURING FINAL 4 DAYS OF PHASE 2: RE-INSTALL TEMPORARY PORTABLE JET BLAST DEFLECTOR

RWY 3 END:

- COMPLETE TWY M WIDENING AND PRIORITY AREA 300' OF RUNWAY AND TAXIWAY EXTENSION

RWY 21 END:

- COMPLETE 350' OF RETAINING WALL INSIDE RWY 3-21 RSA (FOR A TOTAL OF 850' COMPLETED), INSPECTION ROAD, VSR, AND PLATFORM FILL & GRADING OUTSIDE LOC CA

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

STATE OF HAWAII 1959

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
DUKE YOUNG, PE
CIVIL ENGINEER
Expiration Date

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 2

DATE : 07/2022

SHEET : 46 OF 376 SHEETS

DWG. NO. G2.01

C:\USERS\GALLARDO\BOX\LIHUE RSA\900-CAD-GIS\900-CAD\20-SHEETS\G2.01.DWG