

1. THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT PLANS AND SPECIFICATIONS AND ANY RULES, REGULATIONS, STANDARDS OR SPECIFICATIONS REFERENCED THEREIN. THE PROJECT IS SUBJECT TO INSPECTION BY REPRESENTATIVES OF THE HAWAII DEPARTMENT OF TRANSPORTATION AIRPORTS DIVISION (HDOT-A), THE FEDERAL AVIATION ADMINISTRATION (FAA) AND OTHER GOVERNING AGENCIES.
2. LIQUIDATED DAMAGES, AS STATED IN THE CONTRACT AND CONSTRUCTION DOCUMENTS, SHALL APPLY TO THIS PROJECT.
3. THIS PROJECT REQUIRES CONSTRUCTION ON OR NEAR ACTIVE AIRPORT FACILITIES. ALL CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED IN A MANNER ACCEPTABLE TO HDOT-A, AIRPORT OPERATIONS, AND THE FAA.
4. THE CONTRACTOR IS HEREBY NOTIFIED THAT THE FAA ASSESSES PENALTIES AND FINES FOR INCURSIONS INTO ANY PART OF THE AIRPORT THAT IS NOT OTHERWISE AUTHORIZED BY THE RPR AND AIRPORT OPERATIONS. ALL SUCH PENALTIES AND FINES RESULTING FROM CONTRACTOR'S OPERATIONS SHALL BE PAID FOR AT THE CONTRACTOR'S EXPENSE. REPEATED OFFENSES MAY RESULT IN INDIVIDUAL DISBARMENT OF THE CONTRACTOR'S PERSONNEL.
5. THE PRIME CONTRACTOR SHALL HAVE A JOB SUPERINTENDENT ON SITE AT ALL TIMES WHILE WORK IS IN PROGRESS.
6. ALL PERSONNEL SHALL CLEAR THE CONSTRUCTION AREA AT THE END OF THE WORK SHIFT. ALL MECHANICS NEEDING ACCESS TO THE AOA DURING EVENINGS AND WEEKENDS TO WORK ON CONSTRUCTION EQUIPMENT SHALL BE ESCORTED AND HAVE THEIR VEHICLES IDENTIFIED WITH THE CONTRACTOR'S NAME AND APPROPRIATE LIGHTING.
7. MAXIMUM CONSTRUCTION TRAFFIC SPEED ON AIRPORT PROPERTY SHALL BE 15 MPH.
8. THE CONTRACTOR SHALL PERFORM ALL CONSTRUCTION IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE APPROVED CONSTRUCTION SAFETY AND PHASING PLAN (CSPP). THE CONTRACTOR SHALL PREPARE A SAFETY PLAN COMPLIANCE DOCUMENT (SPCD) IN ACCORDANCE WITH FAA ADVISORY CIRCULAR AC-150/5370-2G "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION". THE SPCD SHALL DETAIL HOW THE CONTRACTOR WILL COMPLY WITH THE REQUIREMENTS OF THE APPROVED CSPP. THE SPCD SHALL BE APPROVED BY THE RPR PRIOR TO BEGINNING CONSTRUCTION.

1. GENERAL INTENT: IT IS INTENDED THAT THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE AIRPORT SECURITY PLAN AND WITH THE SECURITY REQUIREMENTS SPECIFIED HEREIN. THE CONTRACTOR SHALL DESIGNATE TO THE CONSTRUCTION MANAGER AND AIRPORT OPERATIONS THE NAME OF ITS "CONTRACTOR SECURITY OFFICER" (CSO). THE CSO SHALL REPRESENT THE CONTRACTOR ON THE SECURITY REQUIREMENTS FOR THE CONTRACT. CSO SHALL BE ON SITE AT ALL TIMES DURING WORKING HOURS.
2. CONTRACTOR PERSONNEL SECURITY ORIENTATION: THE CSO SHALL BE RESPONSIBLE FOR BRIEFING ALL CONTRACTOR PERSONNEL ON AIRPORT SECURITY REQUIREMENTS AND OTHER SECURITY PROVISIONS. ALL NEW CONTRACTOR EMPLOYEES SHALL BE BRIEFED ON THESE REQUIREMENTS PRIOR TO WORKING IN THE CONSTRUCTION AREA.
3. ALL CONTRACTOR PERSONNEL ENTERING THE AOA MUST BE PROPERLY BADGED PER THE PROJECT SPECIFICATIONS.
4. THE CONTRACTOR'S CSO WILL BE RESPONSIBLE FOR ALL OPERATIONAL PRECAUTIONS. PRIOR TO THE COMMENCEMENT OF THE WORK THE CSO SHALL PROVIDE THE RPR AND AIRPORT OPERATIONS AN OUTLINE OF A PROPOSED ACCIDENT AND FIRE PROTECTION PLAN FOR ALL WORK CONTEMPLATED UNDER THE CONTRACT AND CONDUCT AT LEAST ONE SAFETY MEETING EACH WEEK FOR EACH SHIFT AND REQUIRE THE ATTENDANCE OF ALL SUPERVISORS AT SUCH MEETINGS. COPIES OF THE MINUTES OF SAFETY MEETINGS SHALL BE KEPT ON FILE IN THE CONTRACTOR'S FIELD OFFICE AND MADE AVAILABLE UPON REQUEST TO THE RPR OR AIRPORT OPERATIONS.
5. CONTRACTOR VEHICLES SHALL BE EQUIPPED WITH VHF RADIOS AND SHALL ATTEND AIRPORT AIRFIELD TRAINING IN ACCORDANCE WITH THE CONTRACTORS TRAINING GUIDE FOR MAUI DISTRICT.

1. LOCATION OF HAUL ROUTES AND STAGING AREAS AS SHOWN ON THE CONSTRUCTION PHASING PLANS ARE APPROXIMATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE EXACT LOCATIONS IN THE FIELD WITH THE RPR AND AIRPORT OPERATIONS, AND TO COORDINATE OFF-SITE HAUL ROUTES (STATE HIGHWAYS OR COUNTY ROADS) WITH THE APPROPRIATE OWNER HAVING JURISDICTION. ALL HAUL ROUTES AND STAGING AREAS SHALL BE MAINTAINED BY THE CONTRACTOR AND SHALL BE RESTORED TO THEIR ORIGINAL CONDITION UPON COMPLETION OF BEING USED AS A HAUL ROUTE. THE BEFORE AND AFTER CONDITION OF ON-SITE HAUL ROUTES AND STAGING AREAS SHALL BE JOINTLY INSPECTED AND DOCUMENTED BY THE CONTRACTOR, THE RPR, AND AIRPORT OPERATIONS. THE BEFORE AND AFTER CONDITION OF OFF-SITE HAUL ROUTES SHALL BE JOINTLY INSPECTED BY THE CONTRACTOR AND THE OWNER HAVING JURISDICTION. THE CONTRACTOR SHALL PROVIDE A VIDEO TAPE OR DIGITAL PICTURES OF ALL HAUL ROUTES AND STAGING AREAS BEFORE START OF WORK AND UPON COMPLETION. FENCING, DRAINAGE, SEDIMENT CONTROL, GRADING AND OTHER MISCELLANEOUS CONSTRUCTION REQUIRED TO CONSTRUCT TEMPORARY HAUL ROUTES OR ACCESS POINTS ON THE AIRPORT WILL BE THE CONTRACTOR'S TOTAL RESPONSIBILITY AND SHALL BE APPROVED BY THE RPR AND AIRPORT OPERATIONS PRIOR TO THE WORK. ALL ON-SITE ACCESS ROADS TO AIRPORT FACILITIES SHALL REMAIN OPEN AND MAINTAINED AT ALL TIMES.

- THE CONTRACTOR SHALL ONLY USE THE HAUL ROUTES APPROVED BY THE RPR AND AIRPORT OPERATIONS AND AS SHOWN ON THE CONSTRUCTION PHASING AND BARRICADE PLANS. THE HAUL TRUCKS MUST BE COVERED AT ALL TIMES. THE CONTRACTOR SHALL CONTINUOUSLY CLEAN THE HAUL ROUTE WITH A POWER VACUUM DURING WORKING HOURS. FAILURE TO MAINTAIN THE HAUL ROUTE IN AN MANNER ACCEPTABLE TO THE RPR AND AIRPORT OPERATIONS WILL RESULT IN SUSPENSION OF WORK. IN THE EVENT THAT ANY FOREIGN OBJECT, SPILLAGE, DEBRIS OR DUST BUILDS UP AS A RESULT OF HAULING, THE CONTRACTOR SHALL BE REQUIRED TO IMMEDIATELY CLEAN AND REMOVE THE MATERIAL.
3. WHEN NOT IN USE, ALL MATERIALS AND EQUIPMENT SHALL BE STORED IN THE CONTRACTOR'S STAGING AREA. ANY OTHER AREAS TO BE USED FOR STORAGE MUST BE APPROVED BY THE RPR AND AIRPORT OPERATIONS. EQUIPMENT AND STOCKPILED MATERIAL SHALL BE CONSTRAINED IN A MANNER ACCEPTABLE TO THE RPR AND AIRPORT OPERATIONS.
4. THE CONTRACTOR'S ACCESS POINTS TO THE SITE SHALL BE AS SHOWN ON THE CONSTRUCTION PHASING AND BARRICADE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN AIRPORT SECURITY FOR ALL VEHICLES AND PERSONNEL WHO ENTER AIRPORT PROPERTY.
5. ON-SITE EMPLOYEE PARKING SHALL BE ADDRESSED AT THE PRECONSTRUCTION CONFERENCE.
6. ALL CONTRACTOR'S VEHICLES SHALL BE IN GOOD WORKING ORDER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING VEHICLE ACCESS TO THE AIRPORT WITH THE RPR AND AIRPORT OPERATIONS.
7. ALL CONTRACTOR VEHICLES/EQUIPMENT THAT ARE AUTHORIZED TO OPERATE ON THE AIRPORT'S AOA SHALL DISPLAY IN FULL VIEW ABOVE THE VEHICLE/EQUIPMENT A FLAG/LIGHT FOR DAYTIME AND A LIGHT FOR NIGHTTIME. THE FLAG SHALL BE A 3'x3' (MIN.) ORANGE AND WHITE CHECKER BOARD FLAG. EACH CHECKER BOARD COLOR BEING ONE SQUARE FOOT. ANY VEHICLE OPERATING ON THE AOA SHALL ALSO BE EQUIPPED WITH A FLASHING AMBER (YELLOW) DOME TYPE LIGHT, MOUNTED ON TOP OF THE VEHICLE AND OF SUCH INTENSITY TO CONFORM TO LOCAL AND FEDERAL CODES FOR MAINTENANCE AND EMERGENCY VEHICLES (DAY OR NIGHT OPERATIONS). CONTRACTOR VEHICLES SHALL BE EQUIPPED WITH VHF RADIOS AND SHALL ATTEND AIRPORT AIRFIELD TRAINING IN ACCORDANCE WITH THE CONTRACTOR'S TRAINING GUIDE FOR MAUI DISTRICT.
8. THE CONTRACTOR SHALL FURNISH ALL ESCORTS, FLAGGERS, TRAFFIC CONTROL DEVICES, AND COMMUNICATION DEVICES SPECIFIED IN THE AIRPORTS DIVISION SPECIAL PROVISIONS AND THE SPECIFICATIONS.
9. THE CONTRACTOR'S ESCORTS SHALL CONTINUOUSLY MONITOR RADIO FREQUENCY AS INDICATED IN THE APPROVED CSPP.
10. BEFORE STARTING EACH WORK SHIFT, THE CONTRACTOR SHALL SET UP ALL AOA TRAFFIC CONTROL DEVICES AS SHOWN ON THE PHASING PLANS. SET-UP SHALL BE IN THE ORDER REQUIRED BY THE CONTRACT OR AS DIRECTED BY AIRPORT OPERATIONS. THE CONTRACTOR SHALL TAKE DOWN ALL AOA TRAFFIC CONTROL DEVICES IN THE REVERSE ORDER.

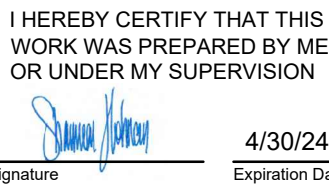
1. THE CONTRACTOR SHALL LOCATE AND IDENTIFY ALL UNDERGROUND UTILITIES IN THE WORK AREA PRIOR TO CONSTRUCTION. ANY UNDERGROUND UTILITIES LOCATED WHICH DO NOT APPEAR ON THE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE RPR AND AIRPORT OPERATIONS. ANY DAMAGE TO UTILITIES, CAUSED BY THE CONTRACTOR, SHALL BE REPAIRED AT THE CONTRACTOR'S SOLE EXPENSE.
2. UNLESS OTHERWISE SHOWN ON THE PLANS, THE CONTRACTOR SHALL PROTECT EXISTING AIRFIELD LIGHTING SYSTEMS, FAA NAVAIDS, WEATHER EQUIPMENT, AND OTHER AIRPORT FACILITIES DURING CONSTRUCTION OPERATIONS. ANY DAMAGE TO THESE FACILITIES OR UNDERGROUND CABLES SERVING THESE FACILITIES SHALL BE REPAIRED BY THE CONTRACTOR AS DIRECTED BY THE RPR, AIRPORT OPERATIONS, AND/OR THE FAA. ALL REPAIRS SHALL BE AT THE CONTRACTOR'S EXPENSE WHETHER PERFORMED BY CONTRACTOR PERSONNEL OR BY OTHERS.
3. THE CONTRACTOR SHALL NOTIFY, AT LEAST TWO WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION OPERATIONS IN AN AREA WHICH MAY INVOLVE UNDERGROUND UTILITY FACILITIES, THE RPR AND AIRPORT OPERATIONS AND THE OWNER OF EACH UNDERGROUND UTILITY FACILITY SHOWN ON THE PLANS.
4. THE CONTRACTOR SHALL REPORT IMMEDIATELY TO THE RPR, AIRPORT OPERATIONS, AND THE OPERATOR OF THE UNDERGROUND FACILITY ANY BREAK OR LEAK ON ITS LINES OR ANY DENT, GOUGE, GROVE OR OTHER DAMAGE TO SUCH LINES OR THEIR COATING OR CATHODIC PROTECTION, MADE OR DISCOVERED IN THE COURSE OF THEIR EXCAVATION.
5. ALL REQUIRED TEMPORARY UTILITIES INCLUDING POWER, WATER, AND SEWER FOR THE CONTRACTOR'S STAGING AREA SHALL BE ARRANGED AND PAID FOR BY THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE ALL POLES, LINES, PIPES, METERS, ETC. TO BRING THE SERVICE FROM EXISTING SOURCES TO THE AREA. ALL TEMPORARY UTILITY ARRANGEMENTS SHALL BE SUBJECT TO THE APPROVAL OF THE RPR AND AIRPORT OPERATIONS. UPON COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL HAVE ALL UTILITIES DISCONNECTED AND SHALL REMOVE ALL POLES, PIPES, METERS, ETC. AND RESTORE THE AREAS TO THEIR PREVIOUS CONDITION.
6. FOR ALL ITEMS REQUIRING THE USE OF WATER, THE CONTRACT UNIT PRICE BID FOR THE RESPECTIVE ITEM SHALL INCLUDE THE COST OF FURNISHING THE WATER.
7. ANY UTILITIES DAMAGED OR BROKEN BY THE CONTRACTOR WILL BE REPAIRED AND PUT BACK INTO WORKING ORDER IN A MANNER ACCEPTABLE TO THE OWNER OF THE AFFECTED UTILITY BY THE CONTRACTOR AT ITS EXPENSE.

HAWAII DOT-A PROJECT MANAGER: EDDIE CHIU, 808-838-8829
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AC	ADVISORY CIRCULAR
AC	ASPHALT CONCRETE
ADG	AIRPLANE DESIGN GROUP
AOA	AIRPORT OPERATIONS AREA
APPD	APPROVED
ARFF	AIRCRAFT RESCUE AND FIREFIGHTING
ASDA	ACCELERATE STOP DISTANCE AVAILABLE
BLDG	BUILDING
BMP	BEST MANAGEMENT PRACTICE
CHKD	CHECKED
CL	CENTER LINE
CSO	CONTRACTOR SECURITY OFFICER
CSPP	CONSTRUCTION SAFETY AND PHASING PLAN
CY	CUBIC YARD
DEMO	DEMOLITION
DIA	DIAMETER
DME	DISTANCE MEASURING EQUIPMENT
DOH	DEPARTMENT OF HEALTH
DOT	DEPARTMENT OF TRANSPORTATION
DRWN	DRAWN
DSNG	DESIGN
DWG	DRAWING(S)
E	EAST
EE	ENVIRONMENTAL ENGINEERING
ETC	ET CETERA
EX	EXISTING
FAA	FEDERAL AVIATION ADMINISTRATION
FS	FILTER SOCK
GS	GLIDE SLOPE
HARS	HIGH ALTITUDE ROUTE SYSTEM
HDOT(-A)	HAWAII DEPARTMENT OF TRANSPORTATION (AIRPORT DIVISION)
L	LEFT
LDA	LANDING DISTANCE AVAILABLE
LOC	LOCALIZER
MALSR	MEDIUM APPROACH LIGHT SYSTEM WITH RUNWAY ALIGNMENT INDICATOR LIGHTS

AIRCRAFT SAFETY AREA WIDTHS				
RWY/TWY	ADG	TDG	RSA/TSA	ROFA/TOFA
RWY 2-20	V	5	500'	800'
TWY B, C, D, E, F, G, K	V	5	214'	285'

MAX	MAXIMUM
MIN	MINIMUM
MPH	MILES PER HOUR
N	NORTH
NAVAID	NAVIGATIONAL AID
NO	NUMBER
NOTAM	NOTICE TO AIRMEN
NPDES	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
NTS	NOT TO SCALE
OFF	OFFSET
OGG	KAHULUI AIRPORT
OTS	OUT OF SERVICE
PAPI	PRECISION APPROACH PATH INDICATOR
RAP	RECLAIMED ASPHALT PAVEMENT
ROFA	RUNWAY OBJECT FREE AREA
ROFZ	RUNWAY OBJECT FREE ZONE
RPM	RESIDENT PROJECT MANAGER
RPR	RESIDENT PROJECT REPRESENTATIVE
RSA	RUNWAY SAFETY AREA
R	RIGHT
RWY	RUNWAY
SPCD	SAFETY PLAN COMPLIANCE DOCUMENT
SPEC(S)	SPECIFICATIONS
STA	STATION
SWMPP	STORMWATER MANAGEMENT PROGRAM PLAN
TBD	TO BE DETERMINED
TEMP	TEMPORARY
TXL	TAXILANE
TODA	TAKEOFF DISTANCE AVAILABLE
TOFA	TAXIWAY OBJECT FREE AREA
TORA	TAKE OFF RUN AVAILABLE
TSA	TAXIWAY SAFETY AREA
TWY	TAXIWAY
TYP	TYPICAL
UG	UNDERGROUND
VFR	VISUAL FLIGHT RULE
VSR	VEHICLE SERVICE ROAD



DSGN.	DRWN.	CHKD.	APPD.
TR	NM	AC	SH

A blank coordinate system with a horizontal x-axis and a vertical y-axis. The axes intersect at the origin (0,0). There are no tick marks or labels on the axes.

NO.	DATE	REVISIONS
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JULY 11, 2022
DATE

RESURFACE RUNWAY 2-20

AT
KAHULUI AIRPORT
KAHULUI, MAUI, HAWAII

AM1022-21

NOTES AND ABBREVIATIONS

DATE :	DWG. NO.
07/11/2022	G-103
SHEET :	
3 OF 46 SHEETS	