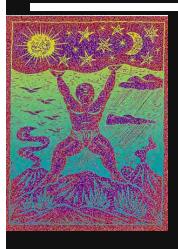


PREFERRED PLAN
Kahului Airport Master
Plan and Noise
Compatibility Program
Update

AIRPORTS DIVISION
DEPARTMENT OF TRANSPORTATION

March 13, 2012



AGENDA

- Introduction
- Purpose and Meeting Objectives
- Kahului Airport Aviation and Passenger Forecast
- Noise Compatibility Findings
- □ Presentation of Preferred Plan
- Comment Period



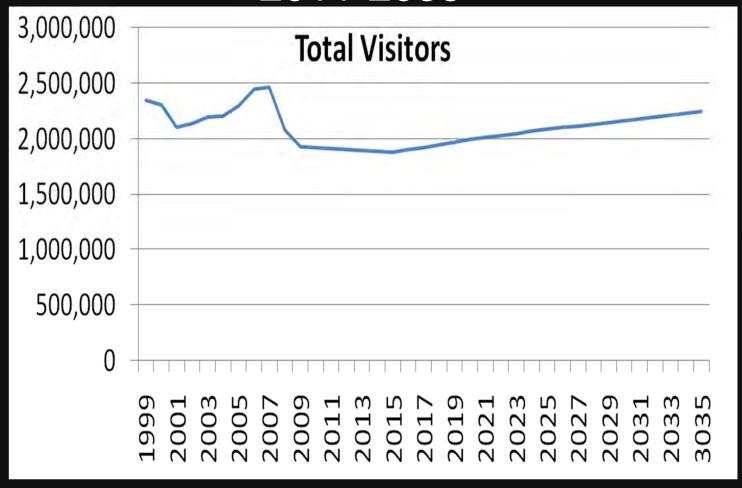
PURPOSE AND MEETING OBJECTIVES

Purpose and Objectives of Meeting

- Report on Aviation Demand Forecasts
- Noise Contours 2010
- Report on Preferred Plan
- Receive Comments

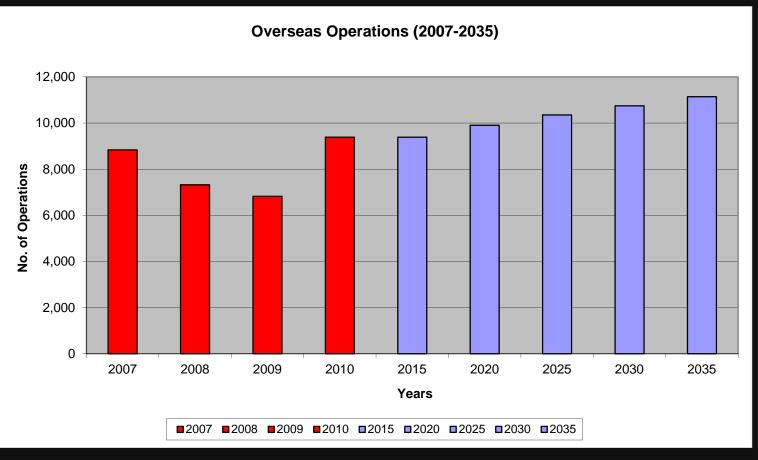


Maui County Visitor Forecasts 2011-2035

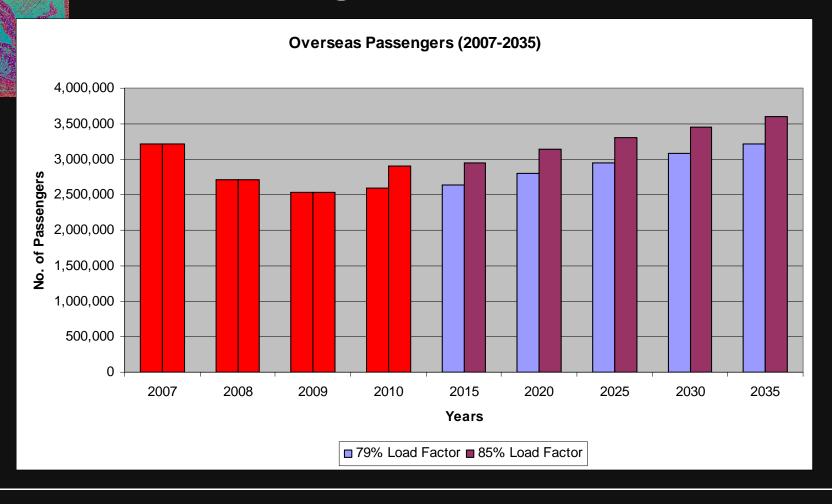




Overseas Operations 2007-2035 @79% Load Factor



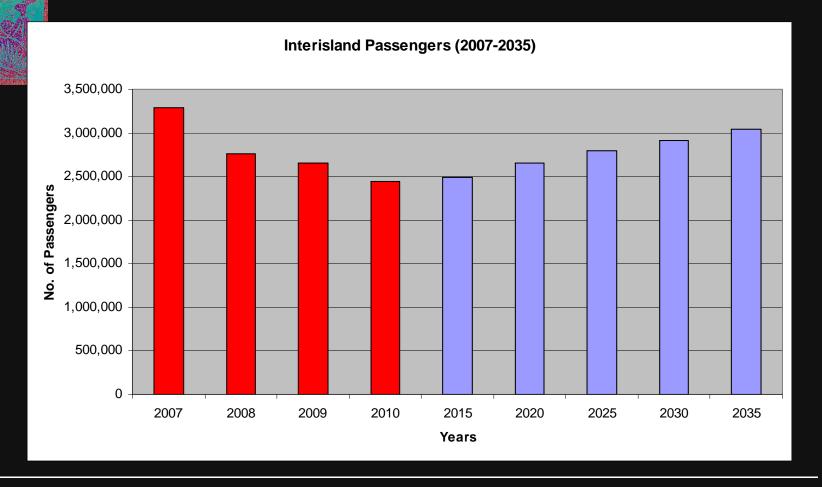
Overseas Passenger Forecast 2007-2035 @79% & 85% Load Factor



Interisland Operations Forecast 2007-2035 @ 77% Load Factor



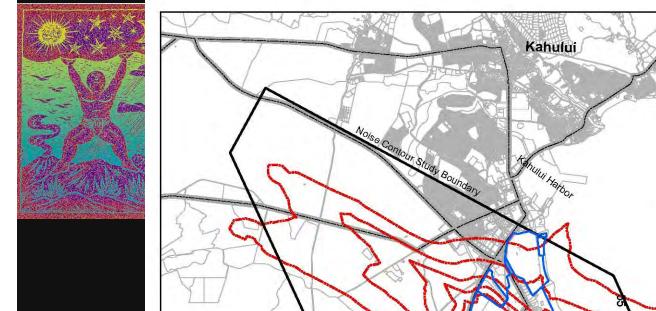
Interisland Passenger Forecast 2007-2035 @77% Load Factor





Noise Compatibility Program

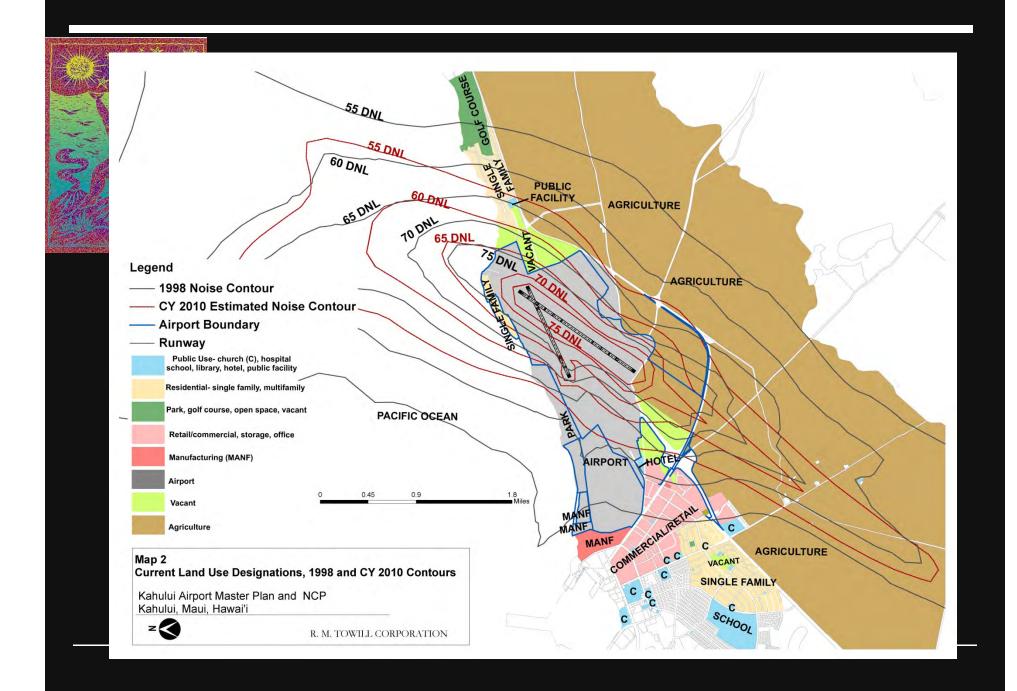
- □ NCP is a 5-year Plan
- Objectives
 - Establish Program Base Year 2010
 - Prepare noise exposure map (2010 & 2020)
 - Identify land use impacts & noise exposure
- Prepare NCP recommendations
- Federal Aviation Regulations (FAR Part 150, "Airport Noise Compatibility Planning"

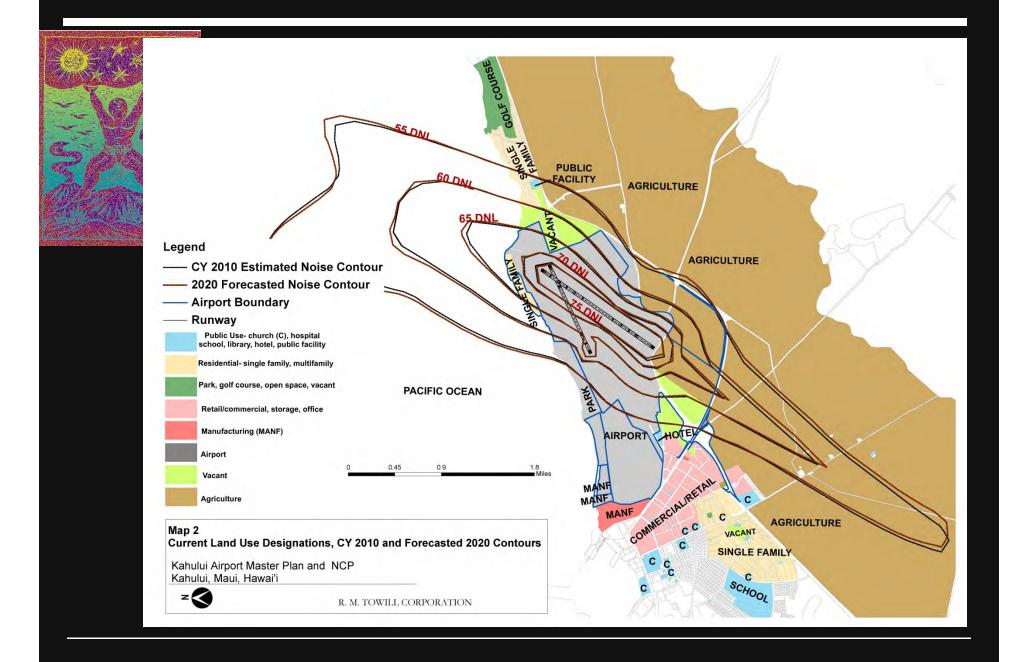


Major Roads Noise Contour (65 Ldn) 1998 Data Source: Kahului Airport Master Plan June 1993 Belt Collins & Associates Pacific Ocean Figure Noise Contour Lines 1998 Kahului Airport Master Plan and NCP Kahului, Maui, Hawai'i R. M. TOWILL CORPORATION Pa'ia

Legend

Noise Contour Study Area







MASTER PLANNING PROCESS

- Data Collection and Inventory
- Operation and Passenger Forecast
- Evaluation of Alternatives
- Selection of Preferred Plan



DATA COLLECTION & INVENTORY

- Topographic Mapping of Existing Airport Property
- Inventory of Existing Facilities + Condition Analysis
- Review of Existing Development Plans
- Catalog of Existing Needs (long and short term)



AIRPORT ALTERNATIVES

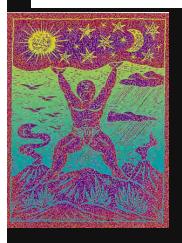
- Proposed Improvements
 - Review/Reconfirm 1993 Projects
 - Proposed Projects
- > AIRFIELD
- > TERMINAL
- FACILITIES



1993 MP PROJECTS

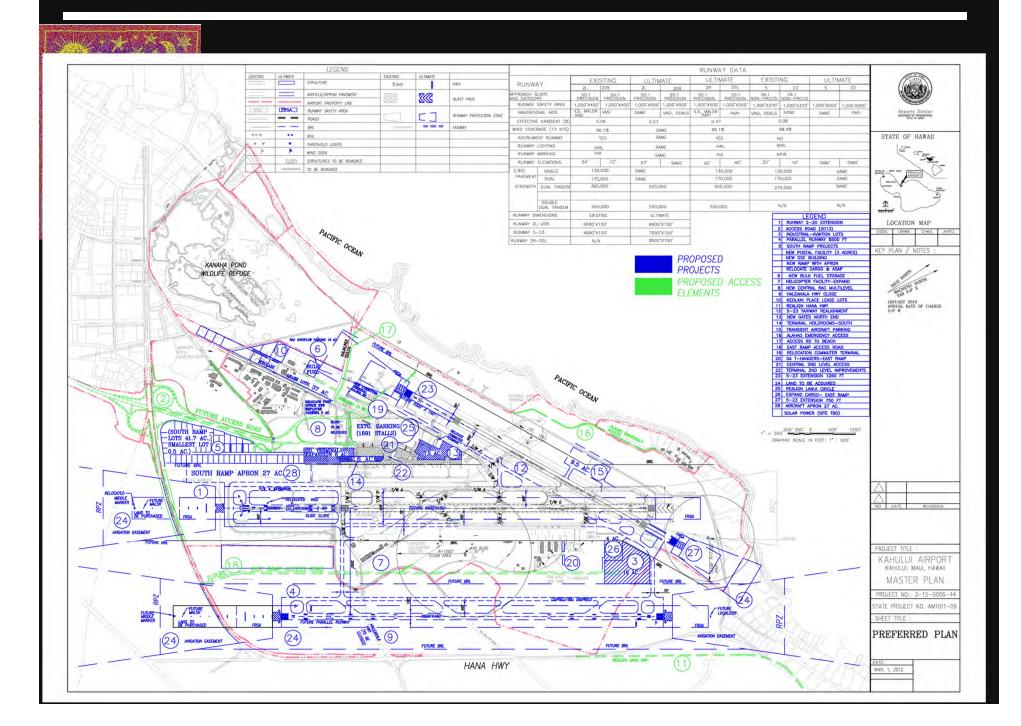
RECONFIRMING PROJECT

- Runway 2-20 to 9,600 Ft. Extension
- Helicopter Expansion
- Cargo Expansion
- Itinerant Aircraft Parking
- Land Acquisition for Future Airport Needs
- Relocate GSE Building
- Demolish Cargo Building
- Alahao Access Road
- Parallel Runway (8,500 ft)
- General Aviation Hangars
- East Ramp Access Road



Proposed MP Projects (2015-2035)

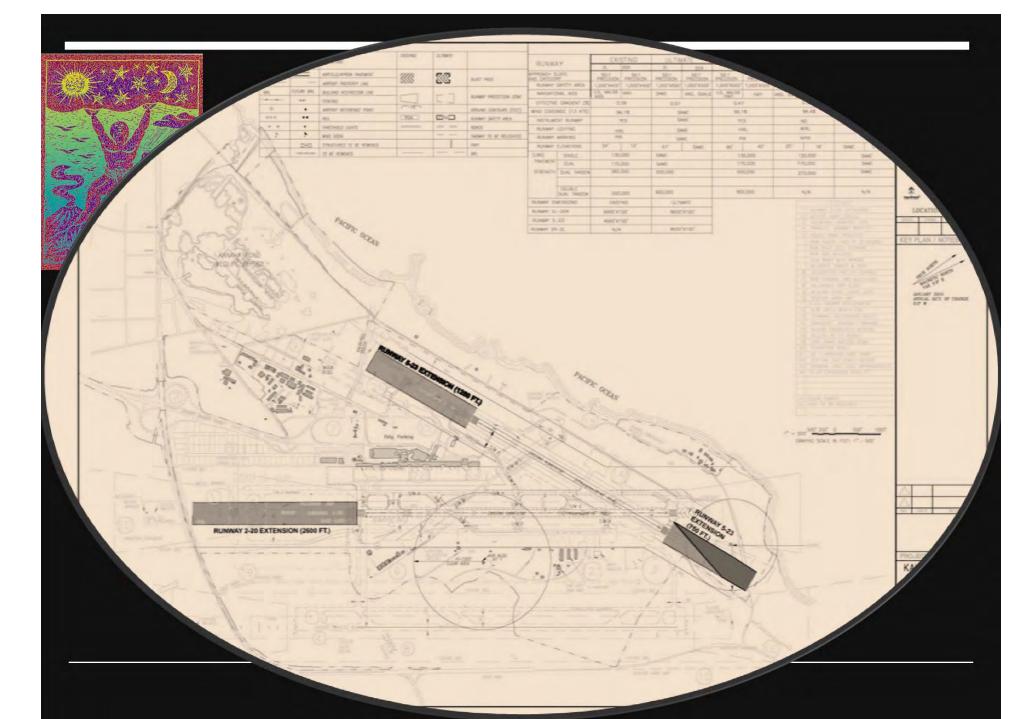
- Airfield+Terminal Projects
 - Runway 5-23 extension to 7,000 ft.
 - Relocate Commuter Terminal
 - Aviation Lease Lots + South Ramp
 - Terminal Expansion to North
 - Consolidated Rent-A-Car and Parking
 - Lanui (Loop Road) Reconfiguration
 - Expand Parking (public and employees)
 - Expanded Security Road Network
 - Expand Terminal Holdrooms (south end)
 - Overall Landscape Plan





Airfield Focus Areas

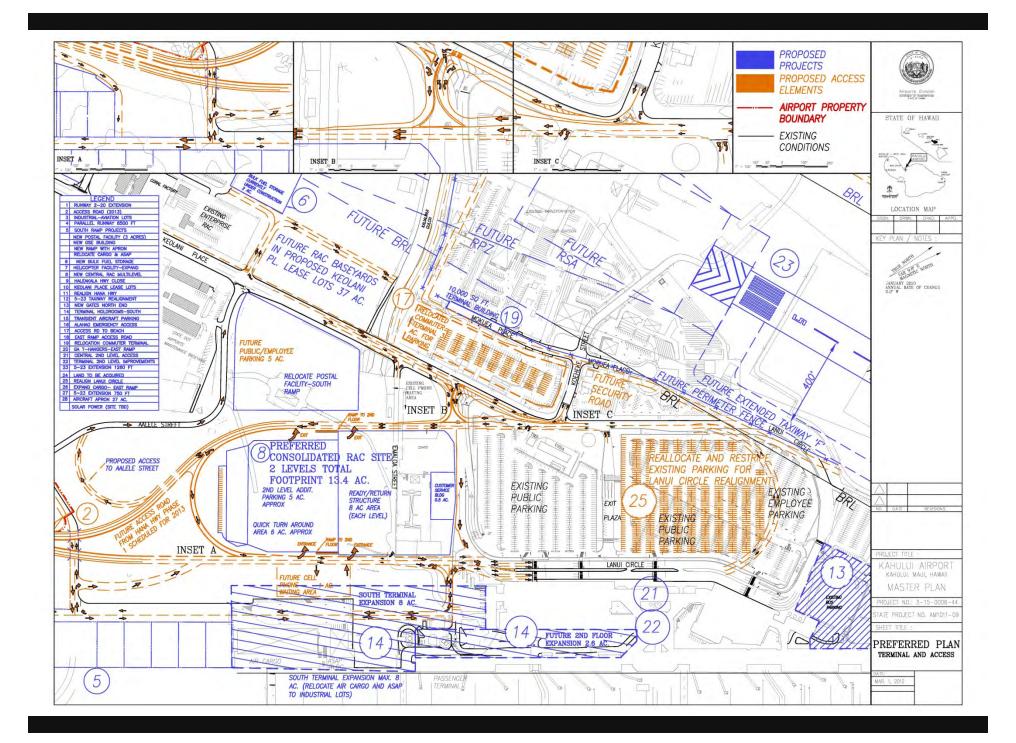
- Extend Runway 2-20 to 9600 ft to South
- Runway 5-23 Lengthening (7,000 ft)
- East Ramp Access Road
- Upgrade Existing Taxiways
- Land Acquisition for Runway Safety Areas
- Land Acquisition for Parallel 2-20 Runway



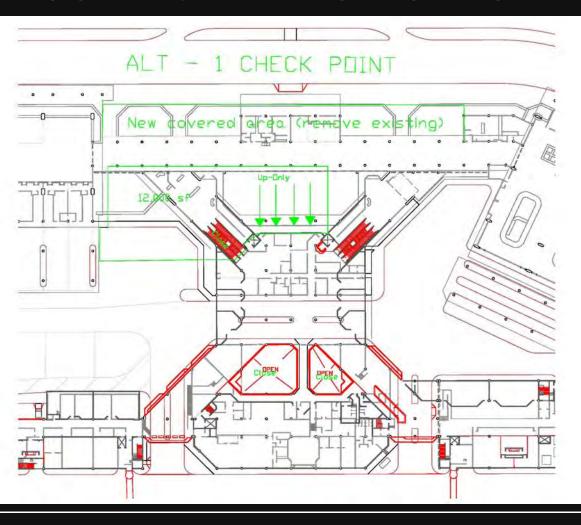


Terminal Focus Areas

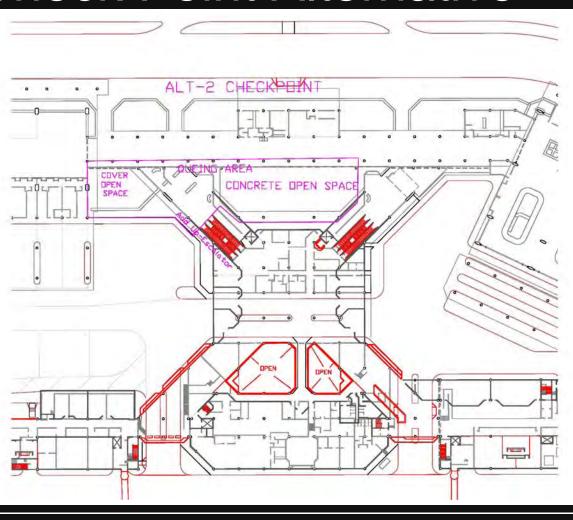
- □ Terminal Expansion North
- □ Holding Area Expansion (south end)
- Additional Customer Parking
- Consolidated Rent-A-Car
- □ Realign Lanui Circle
- Relocate Commuter Facilities
- Relocate Existing RAC to South



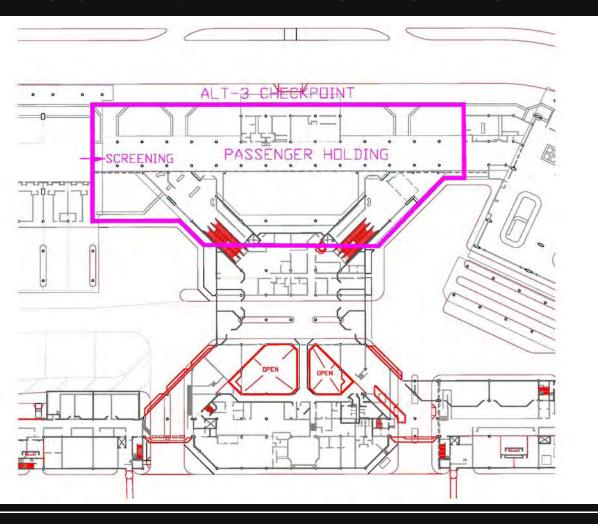
Check Point Alternative



Check Point Alternative



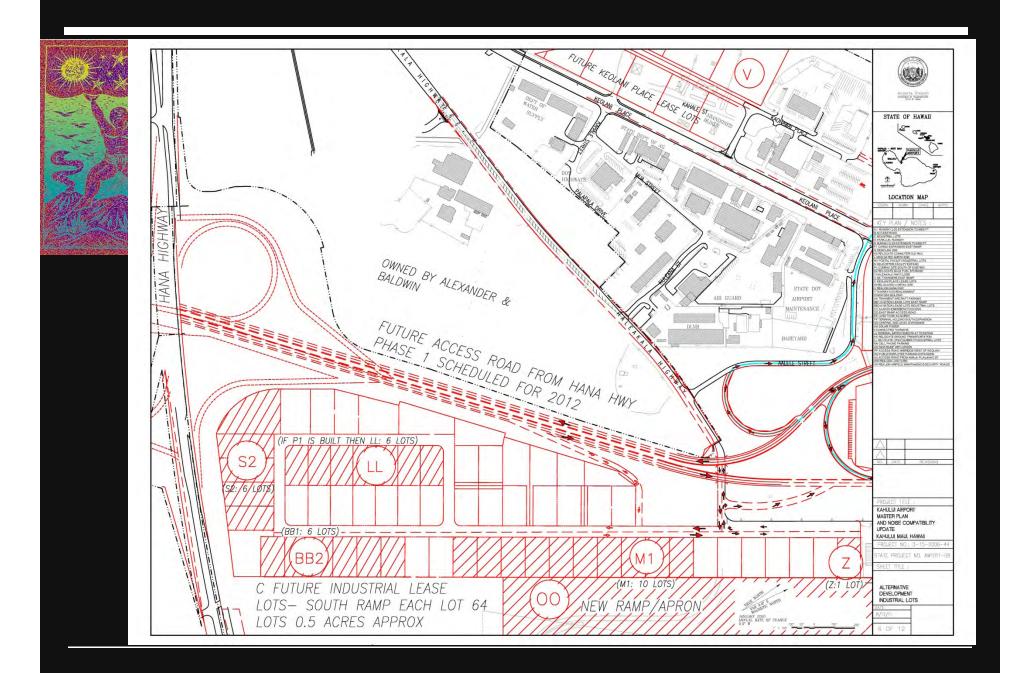
Check Point Alternative



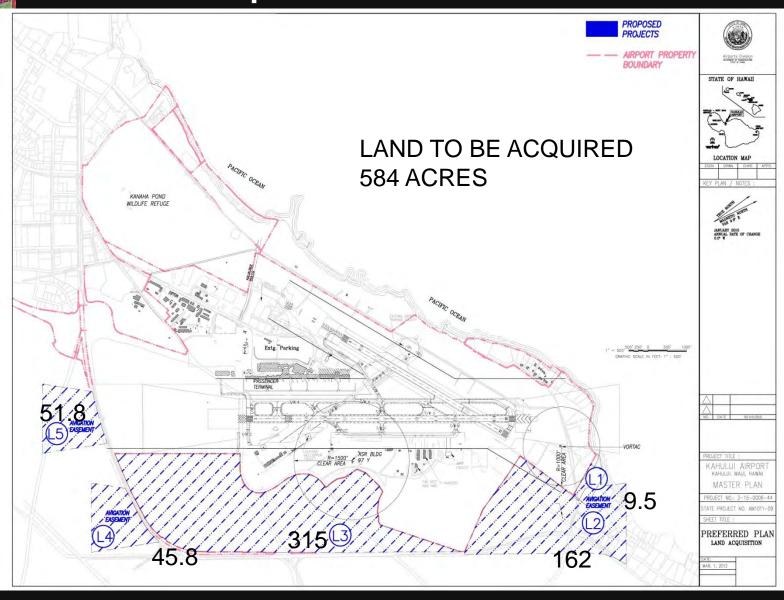


Access and Support Facilities

- New South Ramp Industrial Lease Lots (along new access road)
- Future New East Ramp Access Road
- Future land acquisition (east side)
- New Beach Access Road



Land Acquisition





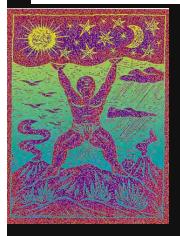
Project Implementation

- □ Phasing Plan
 - Phase 1 (2015 -2020)
 - Phase 2 (2021 -2030)
 - Phase 3 (2031 +)



Cost Estimate

			PHASE 1	PHASE 2	PHASE 3
			2015-2025	2026-2035	2035 +
Item	Project	Total			
1	Runway 2-20 Extension	\$15,444,000	\$15,444,000		
2	Access Road to Hāna Highway (by others)	\$1,600,000			\$1,600,000
3	Aviation Lease Lot	\$4,181,730		\$4,181,730	
	Parallel Runway 8500 ft.	\$00.0 7 0.000			\$00.0 7 0.000
4		\$62,370,000			\$62,370,000
	Parallel Taxiway	\$50.490.000			\$50.490.000
		450,430,000			\$50,450,000
5	South Ramp Projects (grade and pave)	\$625,500	\$625,500		
	Hallandto Facility Francis (O. d. 1988)	 3,500	7 1,0 - 0		
6	Helicopter Facility Expand (Grade and Pave)	\$30,000		\$30,000	
7	New Central RAC (by others)	\$178,000,000			
8	Haleakalā (to be closed)	\$1,200,000	\$1,200,000		
	Keolani Lease Lots (Clear and Grade)				
9		\$555,000	\$555,000		
10	Realign Hāna Highway (Grade and Pave)	©0.040.000			f0.040.000
10	, , , , ,	\$2,310,000			\$2,310,000
11	5-23 Taxiway Realignment (Twy B, F, and G)	\$11,745.000	\$11,745,000		
12	New Gates North-end	\$11,745,000 \$163,348,750	\$11,745,000	\$163,348,750	
12 13	Terminal Holdrooms - South	\$43,559,665		\$163,346,750 \$43,559,665	
- 10		¥+3,333,003		ψ -1 0,000,000	
14	Transient Aircraft Parking	\$11.173.054			\$11.173.054
15	Alahao Emergency Access Road	\$950,400		\$950.400	Ψ,υ.ο.004
16	Access Road to Beach	\$475,200	\$475,200	4000 , 100	
17	East Ramp Access Road	\$3,240,000			\$3,240,000
17a	East Ramp Access Road Tunnel	\$900,000			
18	Relocate Commuter Terminal	\$5,000,000		\$5,000,000	
18A	Relocated Commuter Parking	\$784,080		\$784,080	
18B	Relocated Commuter Apron	\$5,292,500		\$5,292,500	
19	GA T-Hangars	\$4,800,000			\$4,800,000
20	Central 2nd Level Access	\$7,500,000		\$7,500,000	
	Terminal 2nd Level Improvements				
21		\$1,000,000		\$1,000,000	
	Rwy 5 Extension 1250 ft.				
22		\$14,850,000	\$14,850,000		
23	Rwy 23 Extension 750 ft.	\$2,970,000	\$2,970,000		
24	Land to be acquired	\$12,981,759	\$12,981,759		
2 4 25	Realign Lanui Circle	\$12,981,759 \$560,000			
26	Expand Cargo - East Ramp	\$4.116.420	4000,000		\$4,116,420
27	South Ramp Apron	\$31.755.240		\$31.755.240	Ψ1,110,420
		20 11 00,2 10			
28	Terminal Expansion to South	############		\$174,238,650.00	
	SUBTOTAL				
		\$818,046,947	\$61,406,459	\$437,641,015	\$140,099,474
	Design @ 8%				
	¥ 7 1/1	\$65,443,756	\$4,912,517	\$35,011,281	\$11,207,958
	Subtotal	0000 400 3 00	\$66,040,0 7 0	£470.0E0.000	£4.54.507.404
		\$883,490,703	\$66,318,976	\$472,652,296	\$151,307,431
	Contingency 15%	\$132.523.605	\$9.947.846	\$70,897,844	\$22,696,115
		\$13Z,3Z3,6U5	\$9,947,646	\$7U,597,544	\$ZZ,090,115
	TOTAL	\$1,016,014,308	\$76,266,822	\$543,550,140	\$174,003,546
		\$1,016,014,308	\$70,200,822	ა ექა,ეეს, 140	\$174,003,546



PROPOSED MP PROJECTS

PROJECT LIST	COMMENTS
1 RUNWAY 2-20 EXTENSION 2600 FT	
2 HANA HWY ACCESS ROAD (2013)	
3 INDUSTRIAL – AVIATION LOTS EAST RAMP	
4 PARALLEL RUNWAY 2-20 8500 FT	
5 SOUTH RAMP PROJECTS	
NEW POSTAL FACILITY	
NEW GSE BUILDING	
NEW RAMP WITH APRON	
RELOCATE CARGO AND ASAP	
6 NEW BULK FUEL STORAGE	
7 HELICOPTER FACILITY - EXPANSION	
8 NEW CENTRAL RENT-A-CAR FACILITY	
9 HALEAKALA HIGHWAY CLOSURE	
10 KEOLANI LEASE LOTS	
11 REALIGN HANA HIGHWAY	
12 RUNWAY 5-23 EXTENSION	
13 NEW GATES NORTH-END	
14 TERMINAL HOLDROOM - SOUTH	



PROJECT LIST	COMMENTS
15 TRANSIENT AIRCRAFT PARKING	
16 ALA HAO EMERGENCY ACCESS	
17 ACCESS ROAD TO BEACH	
18 EAST RAMP ACCESS ROAD	
19 RELOCATION OF COMMUTER TERMINAL	
20 GA T-HANGER – EAST RAMP	
21 CENTRAL TERMINAL 2 ND LEVEL ACCESS	
22 TERMINAL 2 ND LEVEL IMPROVEMENTS	
23 RUNWAY 5-23 EXTENSION 1250 FT	
24 LANDS TO BE ACQUIRED	
25 REALIGN LANUI CIRCLE	
26 EXPAND CARGO – EAST RAMP	
27 RUNWAY 5-23 EXTENSION 750 FT	
28 AIRCRAFT APRON 27 AC – SOUTH RAMP	
SOLAR (PV) FACILITY – CONRAC ROOF	



CONTACT US

- Dept of Transportation
 - Lynette Kawaoka
 - 400 Rodgers Boulevard, 7th floor
 - Honolulu, Hawai'i 96818
 - Tel: 808-838-8818
- Chester Koga, AICP
 - R.M. Towill Corporation
 - Tel. 808-842-1133
- □ Email: kahuluiairport@hawaii.rr.com
- Web Site: http://kahuluiairport.rmtowill.com