

RUNWAY DATA			
AIRPORT REFERENCE CODE	RUNWAY 11-29		C-II
	EXISTING (0-30 Yrs.)	FUTURE (30+ Yrs.)	
CRITICAL AIRCRAFT	King Air 200	Gulfstream III	
WINGSPAN	54.5'	77.8'	
UNDERCARRIAGE WIDTH	12.9'	13.8'	
APPROACH SPEED	103 knots	136 knots	
MAX. TAKEOFF WT. (lbs.)	12,500	68,700	
EFFECTIVE GRADIENT (%)	0.032%	0.032%	
MAXIMUM GRADIENT (%)	0.032%	0.032%	
PAVEMENT DESIGN STRENGTH (1,000#) - S/D/DOT	65/75/135	30/55/-	
APPROACH VISIBILITY (Minimums)	11 Visual	11 <3/4	
APPROACH VISIBILITY (Minimums)	29 Visual	29 <3/4	
RUNWAY SAFETY AREA (Length Beyond Runway End)	29 300'	11 1,000'	
RUNWAY SAFETY AREA WIDTH	150'	500'	
OBJECT FREE AREA (Length Beyond Runway End)	11 200'	11 200'	
OBJECT FREE AREA WIDTH	29 200'	29 200'	
OBSTACLE FREE ZONE (Length Beyond Runway End)	11 200'	11 250'	
OBSTACLE FREE ZONE WIDTH	29 200'	29 250'	
DISTANCE FROM RWY. C to HOLD BARS	11 200'	11 250'	
DISTANCE FROM RWY. C to PARALLEL TWY. C	29 200'	29 250'	
RUNWAY MARKING	11 Visual	11 Precision	
APPROACH TYPE (FAR Part 77 Category)	11 [A(V)]	11 [PIR]	
DISTANCE FROM RWY. C to PARALLEL TWY. C	29 [A(V)]	29 [PIR]	
DISTANCE FROM RWY. C to FIXED or MOVABLE OBJECT	240'	300'	
TAXIWAY OBJECT FREE AREA WIDTH	65.5'	65.5'	
TAXIWAY SAFETY AREA WIDTH	131'	131'	
TAXIWAY WING TIP CLEARANCE	79'	79'	
RUNWAY END ELEVATIONS (a)	11 155.6'	11 156.1'	
RUNWAY TOUCHDOWN ZONE ELEVATIONS (TDZE)	29 153.9'	29 153.9'	
RUNWAY HIGH POINT	11 155.6'	11 156.1'	
RUNWAY LOW POINT	29 153.9'	29 153.9'	
VERTICAL LINE OF SIGHT PROVIDED	Yes	Yes	
RUNWAY LENGTH	5,175'	6,175'	
RUNWAY WIDTH	100'	100'	
RUNWAY SURFACE TYPE	Concrete	Concrete	
TAXIWAY SURFACE TYPE	Concrete	Concrete	
APPROACH SLOPE (Required/Clear)	11 20:1	11 50:1	
RUNWAY EDGE LIGHTING	None	MIRL	
NAVIGATION AIDS	11 None	11 ILS (GPS-based)	
VISUAL AIDS	29 None	29 ILS (GPS-based)	

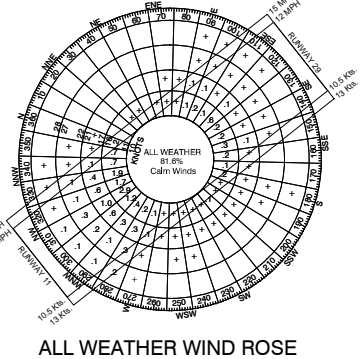
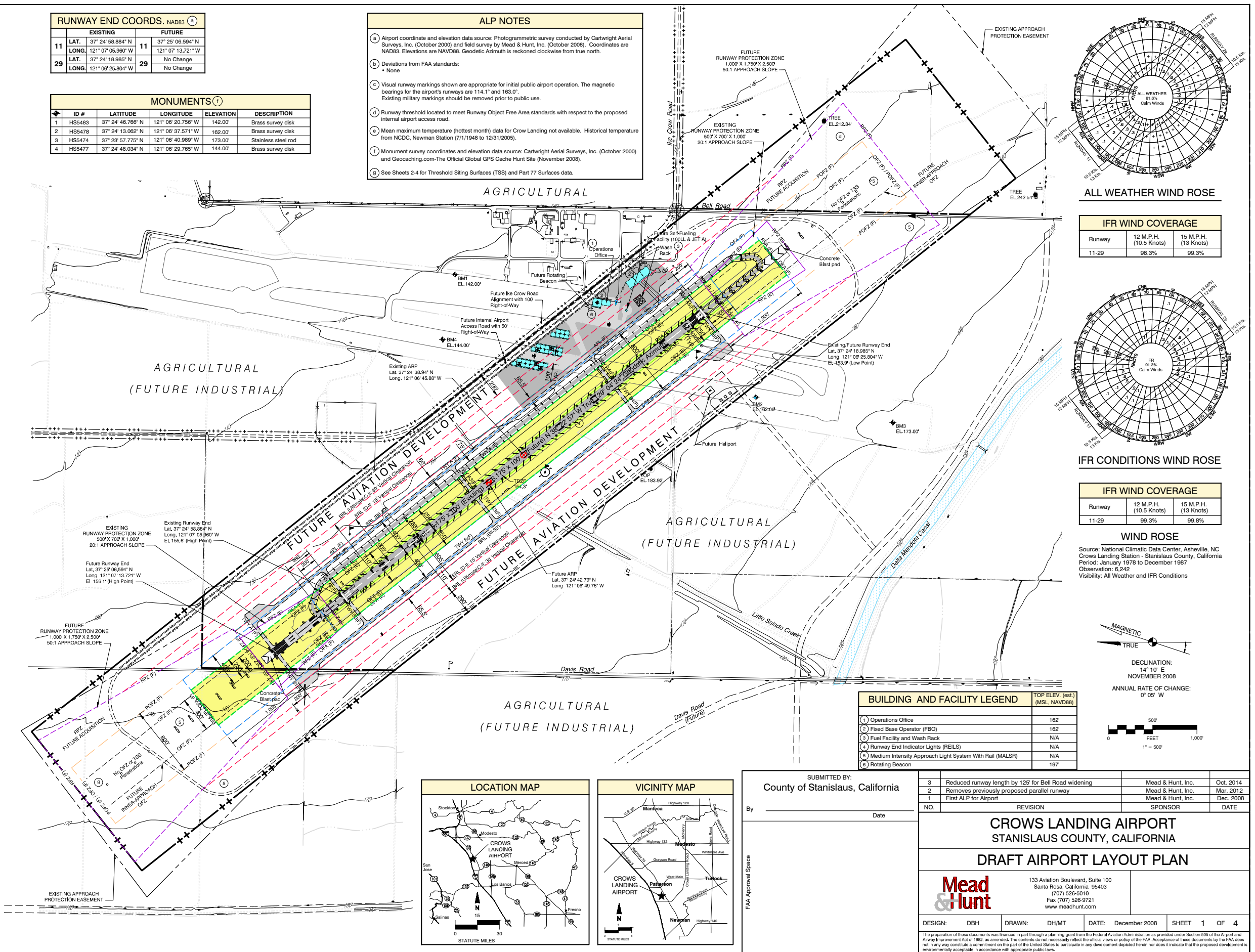
RUNWAY END COORDS. NAD83 (a)				
ID	EXISTING		FUTURE	
	LAT.	LONG.	LAT.	LONG.
11	37° 24' 58.884" N	121° 07' 05.960" W	37° 25' 06.594" N	121° 07' 13.721" W
29	37° 24' 18.985" N	121° 06' 25.804" W	No Change	No Change

MONUMENTS (i)					
ID #	LATITUDE	LONGITUDE	ELEVATION	DESCRIPTION	
1	HSS483	37° 24' 46.766" N	121° 06' 20.756" W	142.00'	Brass survey disk
2	HSS478	37° 24' 13.062" N	121° 06' 37.571" W	162.00'	Brass survey disk
3	HSS474	37° 23' 57.775" N	121° 06' 40.989" W	173.00'	Stainless steel rod
4	HSS477	37° 24' 48.034" N	121° 06' 29.765" W	144.00'	Brass survey disk

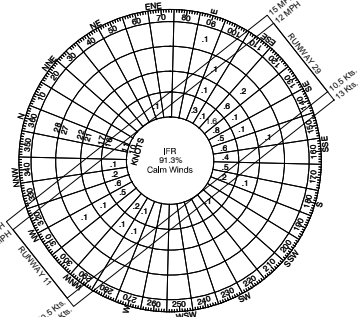
- ALP NOTES**
- (a) Airport coordinate and elevation data source: Photogrammetric survey conducted by Cartwright Aerial Surveys, Inc. (October 2000) and field survey by Mead & Hunt, Inc. (October 2008). Coordinates are NAD83. Elevations are NAVD83. Geodetic Azimuth is reckoned clockwise from true north.
  - (b) Deviations from FAA standards:
    - None
  - (c) Visual runway markings shown are appropriate for initial public airport operation. The magnetic bearings for the airport's runways are 114.1° and 163.0°.
  - (d) Existing military markings should be removed prior to public use.
  - (e) Mean maximum temperature (hottest month) data for Crow Landing not available. Historical temperature from NCDC, Newman Station (7/1/1948 to 12/31/2005).
  - (f) Monument survey coordinates and elevation data source: Cartwright Aerial Surveys, Inc. (October 2000) and Geocaching.com-The Official Global GPS Cache Hunt Site (November 2008).
  - (g) See Sheets 2-4 for Threshold Siting Surfaces (TSS) and Part 77 Surfaces data.

AIRPORT DATA				
AIRPORT REFERENCE CODE	EXISTING (0-30 Yrs.)		FUTURE (30+ Yrs.)	
	B-II	C-II	B-II	C-II
CRITICAL AIRCRAFT	King Air 200	Gulf Stream III		
AIRPORT REFERENCE POINT	Latitude 37° 24' 38.94" N	Longitude 121° 06' 49.76" W	Latitude 37° 24' 42.79" N	Longitude 121° 06' 49.76" W
AIRPORT ELEVATION (Above Mean Sea Level)	155.6'	163.0' (est.)		
MEAN MAX. TEMP. (Hottest Month)	96.6° F	No Change		
AIRPORT AND TERMINAL NAVIGATIONAL AIDS	None	ILS (GPS-based)		
GPS APPROACH ESTABLISHED	None	Yes		
AIRPORT ACREAGE	Fee Simple 372	Avigation Easement 201	No Change 577	
AIRCRAFT PARKING SPACES	Tiedowns 5	Hangar Units 20		

DRAWING LEGEND		
	EXISTING (0-30 Yrs.)	FUTURE (30+ Yrs.)
ACTIVE AIRFIELD PAVEMENT	[Symbol]	[Symbol]
OTHER PAVEMENT IN USE	[Symbol]	[Symbol]
DIRT OR GRAVEL ROAD	[Symbol]	[Symbol]
AIRPORT PROPERTY	[Symbol]	[Symbol]
OTHER PROPERTY LINES (County Redev. Pty.)	[Symbol]	[Symbol]
AVIGATION EASEMENT	[Symbol]	[Symbol]
INTERNAL BOUNDARY (lease, R.O.W., etc.)	[Symbol]	[Symbol]
RUNWAY SAFETY AREA	[Symbol]	[Symbol]
AIRCRAFT PARKING LIMIT	[Symbol]	[Symbol]
BUILDING RESTRICTION LINE	[Symbol]	[Symbol]
RUNWAY PROTECTION ZONE	[Symbol]	[Symbol]
OBJECT FREE AREA	[Symbol]	[Symbol]
OBSTACLE FREE ZONE	[Symbol]	[Symbol]
PRECISION OBSTACLE FREE ZONE	[Symbol]	[Symbol]
BUILDING	[Symbol]	[Symbol]
FENCE	[Symbol]	[Symbol]
VEHICLE GATE	[Symbol]	[Symbol]
WIND CONE	[Symbol]	[Symbol]
AIRFIELD LIGHTS: SINGLE/GROUP/FLASHING	[Symbol]	[Symbol]
ROTATING BEACON	[Symbol]	[Symbol]
UTILITY POLE / POWER LINE	[Symbol]	[Symbol]
TOPOGRAPHIC CONTOURS	[Symbol]	[Symbol]
MONUMENT	[Symbol]	[Symbol]
WATERWAY / CULVERT	[Symbol]	[Symbol]
CHANNEL	[Symbol]	[Symbol]
AIRPORT REFERENCE POINT	[Symbol]	[Symbol]
HELIPAD	[Symbol]	[Symbol]
SECTION CORNER	[Symbol]	[Symbol]

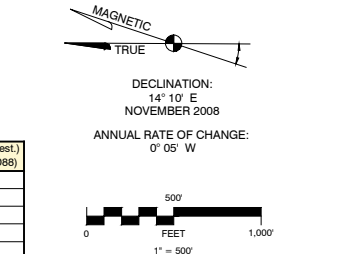


IFR WIND COVERAGE		
Runway	12 M.P.H. (10.5 Knots)	15 M.P.H. (13 Knots)
11-29	98.3%	99.3%

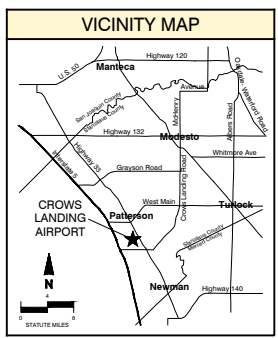
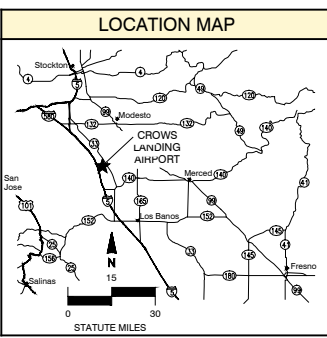


IFR WIND COVERAGE		
Runway	12 M.P.H. (10.5 Knots)	15 M.P.H. (13 Knots)
11-29	99.3%	99.8%

**WIND ROSE**  
 Source: National Climatic Data Center, Asheville, NC  
 Crows Landing Station - Stanislaus County, California  
 Period: January 1978 to December 1987  
 Observation: 6,242  
 Visibility: All Weather and IFR Conditions



BUILDING AND FACILITY LEGEND		TOP ELEV. (est.) (MSL - NAVD83)
(1) Operations Office		162'
(2) Fixed Base Operator (FBO)		162'
(3) Fuel Facility and Wash Rack		N/A
(4) Runway End Indicator Lights (REILS)		N/A
(5) Medium Intensity Approach Light System With Rail (MALSR)		N/A
(6) Rotating Beacon		197'



SUBMITTED BY:  
 County of Stanislaus, California

NO.	REVISION	SPONSOR	DATE
3	Reduced runway length by 125' for Bell Road widening	Mead & Hunt, Inc.	Oct. 2014
2	Removes previously proposed parallel runway	Mead & Hunt, Inc.	Mar. 2012
1	First ALP for Airport	Mead & Hunt, Inc.	Dec. 2008

**CROWS LANDING AIRPORT  
 STANISLAUS COUNTY, CALIFORNIA**

**DRAFT AIRPORT LAYOUT PLAN**

**Mead & Hunt**

133 Aviation Boulevard, Suite 100  
 Santa Rosa, California 95403  
 (707) 526-5010  
 Fax (707) 526-9721  
 www.meadhunt.com

DESIGN: DBH    DRAWN: DH/MT    DATE: December 2008    SHEET 1 OF 4

The preparation of these documents was financed in part through a planning grant from the Federal Aviation Administration as provided under Section 505 of the Airport and Airway Improvement Act of 1982, as amended. The contents do not necessarily reflect the official views or policy of the FAA. Acceptance of these documents by the FAA does not in any way constitute a commitment on the part of the United States to participate in any development depicted herein nor does it indicate that the proposed development is environmentally acceptable in accordance with appropriate public laws.

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