



# Regional Aviation System Plan Airport Development Worksheet

## AIRPORT DESCRIPTION



Printed: 6/19/2013

Revised: 6/19/2013

**Airport:** DAVID WAYNE HOOKS MEMORIAL

**Airport ID:** DWH

**Associated City:** HOUSTON

**CITY POP:** 1,953,631

**FAA SITE #:** 24073.1\*A

**County:** HARRIS

**NPIAS SITE #:** 48-0107

### Design Criteria

<i>Time Period:</i>	<i>Current</i>	<i>0-5</i>	<i>6-10</i>	<i>11-20</i>
Design Standards:	C-II	C-II	C-II	C-II
Runway Type:	NP			
Aircraft Size:	L			
State Role:	RL			
Federal Role:	RL			

### Airport

Airport Status: Yes

Airport Functional Category: RELIEVER

### Sponsor

Sponsor: PRIVATE

Publicly Owned: No

### Economic

Economic Development Impact: \$83,841,000

### Primary Runaway

Approach Rwy: 17R

Approach Type: LOC

Wind Coverage (%): 94

### Zoning

Height Hazard Zoning Date:

### Planning

Airport Master Plan Date: 7/1/1990

Airport Layout Plan Date:

### Legislative Districts

State Rep: 130

State Senator: 7

U.S. Rep: 10



### Based Aircraft Forecast

<i>Aircraft Type</i>	<i>2010</i>	<i>2015</i>	<i>2020</i>	<i>2030</i>
Single-Engine	364	369	383	427
Multi-Engine	60	58	57	53
Jet	27	35	43	60
Rotorcraft	27	35	41	53
Other	0	0	2	2
<b>Total</b>	<b>478</b>	<b>497</b>	<b>526</b>	<b>595</b>

### Annual Activity Operations Forecast

<i>Activity Type</i>	<i>2010</i>	<i>2015</i>	<i>2020</i>	<i>2030</i>
Air Carrier	0	0	0	0
Air Taxi	4000	4000	4000	4000
Military	2800	2800	2800	2800
General Aviation	218400	243000	258800	289800
<b>Total</b>	<b>247700</b>	<b>274800</b>	<b>292200</b>	<b>326300</b>

# Regional Aviation System Plan Airport Development Worksheet DEVELOPMENT BY TIME PERIOD

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**Airport: DAVID WAYNE HOOKS MEMORIAL**

**Airport ID: DWH**

**Associated City: HOUSTON**

**FAA Site #: 24073.1\*A**

\*Status Codes: U - Unassigned, D - Draft, C - CIP, A - Active, F - Finished

\*\*Totals Only Include Items with Status Code = U, D, or C

Airport ID #	Project Description	Time Period:	00-05	Project Cost	Project Purpose	Project Component	Project Type	Project Number	Item Status*	Source
DWH-1	Rehabilitate TW and apron (462,707 sy)			2,776,242	RE	TW	IM		U	TXDOT
DWH-2	Construct new parallel TW to RW 17R-35L (35 x 4800)			1,430,000	ST	TW	CO		U	TXDOT
DWH-3	Expand apron (21,795 sy)			931,500	CA	AP	EX		U	TXDOT
DWH-4	Rehabilitate RW 17R-35L (7000 x 100)			466,668	RE	RW	IM		U	TXDOT
DWH-5	Reconstruct RW 17L-35R (4000 X 35)			700,020	RE	RW	IM		U	TXDOT
DWH-6	Perform studies to include pavement testing, appraisal			260,890	PL	PL	MS	0012HOOKS	C	TXDOT
DWH-7	Install MITL (4800 lf)			192,500	ST	TW	LI		U	TXDOT
DWH-8	Supplemental Planning Study (04 NPE)			166,667	PL	PL	MS	0012HOOKS	C	TXDOT
DWH-9	Drainage and Utility Study			166,667	PL	PL	MS	0712HOOKS	C	TXDOT
DWH-10	Supplemental Planning Study (05 NPE)			166,667	PL	PL	MS	0012HOOKS	C	TXDOT
DWH-11	Airport Master Plan (03 NPE)			166,667	PL	PL	MA	0012HOOKS	C	TXDOT
DWH-12	Install security fencing (8000 lf)			240,000	ST	EQ	SE		U	TXDOT
DWH-13	Rehabilitate terminal area aprons (15,625 sy)			93,750	RE	AP	IM		U	TXDOT
DWH-14	Install PAPI-4 RW 17R			80,000	ST	RW	VI		U	TXDOT
DWH-15	Mark RW 17R-35L (40,400 sf)			40,400	RE	RW	IM		U	TXDOT
DWH-16	Mark RW 17L-35R (5700 sf)			5,700	RE	RW	IM		U	TXDOT
DWH-101	Acquire Land			2,000,000	ST	LA	DV		U	RASP
DWH-102	Feasibility Study for Extending RW 17L/35R			200,000	PL	PL	MA		U	RASP

**Time Period: 00-05**

**\*\*Total Cost: \$10,084,338**

Airport ID #	Project Description	Time Period:	06-10	Project Cost	Project Purpose	Project Component	Project Type	Project Number	Item Status*	Source
DWH-17	Rehabilitate TWs and apron (462,707 sy)			2,776,242	RE	TW	IM		U	TXDOT
DWH-18	Rehabilitate RW 17R-35L (7000 x 100)			466,668	RE	RW	IM		U	TXDOT
DWH-19	Construct new parallel TW to RW 17R-35L (2200 x 35)			641,700	ST	TW	CO		U	TXDOT
DWH-20	Rehabilitate terminal area aprons (37,420 sy)			224,520	RE	AP	IM		U	TXDOT
DWH-21	Rehabilitate partial parallel TW RW 17R-35L (4800 x 35)			112,002	RE	TW	IM		U	TXDOT
DWH-22	Rehabilitate RW 17L-35R (4000 X 35)			93,336	RE	RW	IM		U	TXDOT
DWH-23	Install MITL to new TW for RW 17R-35L (2200 lf)			121,000	ST	TW	LI		U	TXDOT
DWH-24	Mark RW 17R-35L (40,400 sf)			40,400	RE	RW	IM		U	TXDOT

