



Regional Aviation System Plan Airport Development Worksheet AIRPORT DESCRIPTION



Printed: 6/19/2013

Revised: 6/19/2013

Airport: SUGAR LAND RGNL

Airport ID: SGR

Associated City: HOUSTON

CITY POP: 1,953,631

FAA SITE #: 24067.61*A

County: FORT BEND

NPIAS SITE #: 48-0113

Design Criteria

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

Airport

Airport Status: Yes

Airport Functional Category: RELIEVER

Sponsor

Sponsor: CITY

Publicly Owned: Yes

Economic

Economic Development Impact: \$94,779,000

Primary Runaway

Approach Rwy: 35

Approach Type: ILS

Wind Coverage (%): 97

Zoning

Height Hazard Zoning Date:

Planning

Airport Master Plan Date: 12/1/1996

Airport Layout Plan Date: 10/23/2001

Legislative Districts

State Rep: 26

State Senator: 18

U.S. Rep: 22



Based Aircraft Forecast

<i>Aircraft Type</i>	<i>2010</i>	<i>2015</i>	<i>2020</i>	<i>2030</i>
Single-Engine	65	66	69	79
Multi-Engine	35	34	34	32
Jet	25	32	40	57
Rotorcraft	2	3	3	4
Other	0	0	1	1
Total	127	135	147	173

Annual Activity Operations Forecast

<i>Activity Type</i>	<i>2010</i>	<i>2015</i>	<i>2020</i>	<i>2030</i>
Air Carrier	200	200	200	200
Air Taxi	3200	3200	3200	3200
Military	300	300	300	300
General Aviation	65000	72600	78300	88700
Total	75600	83900	90100	101600

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Airport ID #	Project Description	Time Period:	00-05	Project Cost	Project Purpose	Project Component	Project Type	Project Number	Item Status*	Source
SGR-1	Drainage master plan update			200,000	PL	PL	MS	0912SRLND	A	TXDOT
SGR-2	Relocate glide slope, vault, & wind sock			110,000	ST	RW	VI		U	TXDOT
SGR-4	RSA Determination			50,000	ST	RW	SF	1112SGRLD	A	TXDOT
SGR-5	Vegetation establishment			11,328	ST	OT	IM	0912SGRLD	A	TXDOT
SGR-6	Replace HIRLS RW 17-35 (8000 lf)			1,147,105	ST	RW	LI	2012-0001	P	TXDOT
SGR-7	Phase I water and sewer improvements: construct on-s			740,000	ST	OT	IM		U	TXDOT
SGR-8	Acquire RW 17 RPZ easement (51 ac)			255,000	ST	LA	SZ		U	TXDOT
SGR-9	East terminal vault/generator (apron, perimeter lighting			102,800	ST	EQ	LI	0912SGRLD	A	TXDOT
SGR-10	Engineering/design to relocate parallel TW F Phase 2			600,000	ST	TW	CO		U	TXDOT
SGR-11	Install abbreviated ALS (ILS, VOR, NDB, GPS)			500,000	ST	RW	VI		U	TXDOT
SGR-12	Upgrade air traffic control tower radios & equipment in			166,950	RE	RW	IM		U	TXDOT
SGR-13	Construct/install perimeter security fencing (20,000 lf)			1,500,000	ST	EQ	SE	2015-0001	D	TXDOT
SGR-14	Install GA complex generator			400,000	ST	EQ	LI	0912SGRLD	A	TXDOT
SGR-15	RAMP: PAVEMENTS & Sponsor to contract for paving re			100,000	OT	OT	CO	M112SGRND	A	TXDOT
SGR-16	Fuel Farm generator			125,950	ST	EQ	LI	0912SGRLD	A	TXDOT
SGR-17	Environmental study, EDDA, survey & appraisal for purc			150,000	EN	PL	MA	09EASUGAR	A	TXDOT
SGR-18	Terminal building generator			326,180	ST	EQ	LI	0912SGRLD	A	TXDOT
SGR-19	Phase II water and sewer improvements: construct ext			820,000	ST	OT	IM		U	TXDOT
SGR-20	Acquire land for eastside BRL protection (48 ac)			1,152,000	ST	LA	DV		U	TXDOT
SGR-21	Acquire 2 mobile fuel stations			16,800	ST	EQ	LI	0912SGRLD	A	TXDOT
SGR-22	Relocate existing parallel TW F Phase 2 (SBG/D)			5,789,069	ST	TW	CO	2014-0001	P	TXDOT
SGR-23	Obstruction removal - relocate hangar No.3			1,231,000	ST	OT	OB		U	TXDOT
SGR-24	Acquire RW 35 RPZ easement (87 ac)			1,044,000	ST	LA	SZ		U	TXDOT
SGR-25	Obstruction Survey			1	ST	RW	SF	12OBSUGAR	A	TXDOT
SGR-26	West vault/generator (airside-ILS, etc.)			95,625	ST	EQ	LI	0912SGRLD	A	TXDOT
SGR-27	Mark RW 17-35 (106,700 sf)			124,000	RE	RW	IM		U	TXDOT
SGR-28	Replace REIL RW 17-35			47,000	ST	RW	VI		U	TXDOT
SGR-29	Revise Airport Layout Plan			55,300	PL	PL	MA	09ALSUGAR	A	TXDOT

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SGR-30	Engineering/design security fencing & gates			125,000	ST	EQ	SE	2015-0001	D	TXDOT
SGR-31	Relocate AMOCO, Norris, and Gillman hangars to outside			1,100,000	ST	OT	OB		U	TXDOT
SGR-32	Install MITLs			70,000	ST	TW	LI		U	TXDOT
SGR-33	Install 4 electrical generators			900,000	ST	EQ	LI		U	TXDOT
SGR-34	Environmental Study			50,000	EN	PL	MA	2013-0001	P	TXDOT
SGR-35	Relocate existing parallel TW F Phase 1 (SBG/D)			10,539,000	ST	TW	CO	2013-0002	P	TXDOT
SGR-36	Engineering/design for RW 17-35			300,000	RE	RW	IM	1112SGRLD	A	TXDOT
SGR-38	Rehabilitate RW 17-35			3,589,058	RE	RW	IM	2012-0001	P	TXDOT
SGR-43	Construct TW J (x 50) - Phase 2 TTC approved 2-26-09			5,100,000	ST	TW	CO	0912SUGAR	A	TXDOT
SGR-47	Install PAPI-4 RW 35			111,181	ST	RW	VI		U	TXDOT
SGR-51	Engineering/design for HIRLs RW 17-35 (8000 lf)			100,000	ST	RW	LI	1112SGRLD	A	TXDOT
SGR-55	design and construction of trench drain on terminal apron			225,000	XX	XX	XX	0912SGRLD	A	TXDOT
SGR-58	Drainage improvements, runway re-striping and runway/			1	OT	OT	CO		U	TXDOT
SGR-64	Construct ARFF facility			150,000	SA	BD	EX		U	TXDOT
SGR-67	Acquire 500 gallon ARFF vehicle			225,000	ST	EQ	RF		U	TXDOT
SGR-69	RAMP: Sponsor to contract to re-stripe RW 17/35 and a			100,000	OT	OT	CO		U	TXDOT
SGR-77	Construct TW J- Phase 1 TCC approved 2-26-09 \$11,000			5,100,000	ST	TW	CO	0912SUGAR	A	TXDOT
SGR-79	Contingency/Admin.fees, etc.			238,117	CA	AP	CO	0912SGRLD	A	TXDOT
SGR-80	Construct ARFF road			144,000	OT	GT	SV		U	TXDOT
SGR-90	Engineering/design to relocate parallel TW F			975,000	ST	TW	CO	2013-0001	P	TXDOT
SGR-91	Pavement evaluation w/recommendations for RW 17-3			150,000	PL	PL	MS	0912SGRND	A	TXDOT
SGR-92	Purchase Land for TW 'F' Relocation (19.8ac) (SBG/D)			2,175,000	ST	LA	DV	Land	P	TXDOT
SGR-102	RAMP: TxDOT to contract for AWOS Maintenance, Spon			100,000				M212SGRND	A	TXDOT

Time Period: 00-05 ****Total Cost:** \$48,426,465

Airport ID #	Project Description	Time Period:	06-10	Project Cost	Project Purpose	Project Component	Project Type	Project Number	Item Status*	Source
SGR-37	Rehabilitate parallel taxiway (14,444 sy)			86,664	RE	TW	IM		U	TXDOT
SGR-39	Construct west-side access road			770,000	OT	GT	AC		U	TXDOT
SGR-40	Construct service road, west side (1,700 sy)			110,500	OT	GT	SV		U	TXDOT

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SGR-41	Acquire land-west side (82 ac)			820,000	ST	LA	DV		U	TXDOT
SGR-42	Acquire land for westside BRL protection (29 ac)			290,000	ST	LA	DV		U	TXDOT
SGR-44	Construct commuter terminal access road (2,200 sy) an			240,000	OT	GT	AC		U	TXDOT
SGR-45	Mark RW 17-35 (106,700 sf)			106,700	RE	RW	IM		U	TXDOT
SGR-46	Expand utilities			250,000	ST	OT	IM		U	TXDOT
SGR-48	Install MALSR RW-35			400,000	ST	RW	VI		U	TXDOT
SGR-49	Relocate T-Hangars 18,19,20,22,23 and Hangars 21, 24,			126,200	ST	BD	MS		U	TXDOT
SGR-50	Install OADLS RW-17			62,500	ST	RW	VI		U	TXDOT
SGR-52	Expand utilities, west side			375,000	ST	OT	IM		U	TXDOT
SGR-53	Rehabilitate apron and TWs (45,400)			272,400	RE	AP	IM		U	TXDOT
SGR-54	Construct general aviation terminal building (3,000 sf)			450,000	ST	TE	CO		U	TXDOT
SGR-56	Expand commuter terminal building (2,000 sf)			300,000	ST	TE	EX		U	TXDOT
SGR-57	Rehabilitate east side GA access TW (1150 x 50)			38,334	RE	TW	IM		U	TXDOT
SGR-59	Construct west side parallel TW (8960 x 35)			3,135,960	ST	TW	CO		U	TXDOT
SGR-60	Construct stub taxiways to west parallel taxiway (14,00			1,260,000	ST	TW	CO		U	TXDOT
SGR-61	Construct taxiway (3,500 sy)			262,500	ST	TW	CO		U	TXDOT
SGR-62	Construct hangar taxilanes (3,500 sy)			262,500	ST	TW	CO		U	TXDOT
SGR-63	Construct general aviation apron taxiway (1,100 sy)			82,500	ST	TW	CO		U	TXDOT
SGR-65	Construct general aviation apron, west side (22,000 sy)			1,650,000	CA	AP	CO		U	TXDOT
SGR-66	Install MITL west parallel taxiway (10,000 lf)			550,000	ST	TW	LI		U	TXDOT
SGR-68	Construct general aviation access road (1,900 sy) and a			117,216	OT	GT	AC		U	TXDOT
SGR-70	Rehabilitate hangar apron (6225 sy)			37,350	RE	AP	IM		U	TXDOT
SGR-201	Construct Hangars			2,990,000	ST	BD	MS		U	RASP
SGR-202	Build New Parallel TW			2,000,000	CA	TW	EX		U	RASP

Time Period: 06-10

****Total Cost: \$17,046,324**

Airport ID #	Project Description	Time Period:	11-20	Project Cost	Project Purpose	Project Component	Project Type	Project Number	Item Status*	Source
SGR-3	Rehabilitate east side GA access TW (1150 x 50)			38,334	RE	TW	IM		U	TXDOT
SGR-71	Construct corporate taxiways (16,000 sy)			1,440,000	ST	TW	CO		U	TXDOT

