

AIRPORT FACILITIES IMPROVEMENTS

AIRPORTS MASTER PLAN

The expanded CIP for the Airport System, estimated at approximately \$2.8 billion, began in FY 1997. It is the result of (1) the decision by Continental in 1996 to begin a major expansion of its hub operations at Intercontinental (IAH), (2) the decision by HAS in 1997, supported by Southwest, to expand and modernize terminal facilities at Hobby (HOU), (3) a request by Continental in 1998 to undertake a series of airfield and apron improvement projects at IAH to increase capacity and improve the efficiency of the runway/taxiway/apron system (the airside improvement program) and (4) increases in international traffic creating the international services expansion program (ISEP) to build a new federal inspection service building, international terminal and associated infrastructure.

Phase I

At IAH, the expansion of Continental's hub operation necessitated additional gate space for Continental. Continental expanded from using Terminal C and approximately one-half of the Terminal D space into Terminal B for their Continental Express operation, necessitating the relocation of certain carriers into Terminal A. Terminals A and B, both 30-year old facilities, required major renovation and expansion including construction of new north and south concourses at Terminal A, demolition of the flight stations at Terminal A, and major renovation to the landside buildings at Terminals A and B including code and safety upgrades. At the same time, rehabilitation of Terminal C was initiated

Associated with the expanded passenger activity, a new A/B parking garage, expansion of the economy parking lot, and roadway and access improvements were also required. All of these facilities have been completed. The new facilities at Terminal A and B, as well as the Terminal C improvements and the new international service expansion program (ISEP)

also necessitated the expansion of the central plant. Phase I also implemented a land acquisition program at IAH for the new runway to be constructed. Land acquisition is almost complete. At HOU, the initial phase of the terminal expansion program began with the construction of a new Central Concourse to consolidate Southwest's operations onto a single concourse. This project began in September 2000 and is expected to be complete in the early of 2003.

Phase II

At IAH, Phase II includes a significant portion of the airside improvement program and certain other airfield projects, the next phase of the Terminal C rehabilitation program, the design phase of the ISEP, other infrastructure improvements, and exterior renovations of the terminals. Phase II also includes a consolidated rental car facility to accommodate all rental car operators in one location, thus decreasing congestion at the terminal buildings and reducing emissions levels at IAH. This change will make the current rental car service facility areas available for airfield improvements and parking areas. Additionally, additional cargo operation areas, including new taxiways and aircraft parking are nearing completion. In addition, three new cargo buildings are being constructed by third party developers and will be ready when the airside cargo facilities are complete.

At Ellington Field, major reconstruction of the main runway was complete in March 2002.

Phase III

At IAH, this phase, which began in the second quarter of FY 2002, will complete the airside improvement program including the construction of a new parallel runway and associated taxiways and the upgrade of the current parallel runway. Also included are construction of the ISEP (including the construction of a new terminal by Continental), and completion of the Terminal C improvements including additional concession areas, circulation areas and modification of utilities to the area. The majority of these projects are expected to be complete by the summer of 2004.

At HOU, this phase, which is scheduled to begin in October 2003, will complete the Hobby terminal expansion program with the construction of the new East Concourse and a major renovation to the terminal building and construction of a new parking garage facility. Due to a request by Southwest Airlines additional four gates have been added to this program to be completed with East Concourse construction but added to central concourse. The East Concourse, terminal, and these four gates are expected to be completed by April 2006.

Overall, approximately 80% of the \$2.8 billion CIP will be used for projects at IAH, 15% for projects at HOU, and 5% for projects at Ellington Field and for system-wide projects. For the next five years (FY2003 - 2007), the CIP is projected to be approximately \$1.28 billion.

FUNDING FOR THE AIRPORT FACILITIES CIP

The FY 2003 – 2007 Airport Facilities CIP program (primarily Phase III) is being funded from various sources including the Airports Improvement Fund (AIF, Fund #561), Airports Renewal and Replacement Fund (R&R, Fund #553), Grants-in-Aid from the FAA Airport Improvement Program (AIP) which now includes a Letter of Intent (LOI) for an additional \$100 million over a 10-year period of discretionary funds, General Airport System Revenue Bonds (GARBs), and \$300 million of Commercial Paper (CP) used for interim financing for appropriation purposes.

Timing and Estimated Amounts of Bonds

June 2002: Issue approximately \$690 million additional GARBs. These GARBS will refund any outstanding CP, replace outstanding CP appropriation balances, and cover additional appropriations of \$335 million through November 2002. This issue should include a portion of variable rate debt to further facilitate early calls due to AIP grants including the LOI. This amount may vary based on grant anticipation dates that may be able to be identified as a funding source at the time of the appropriations, and additional balances in the AIF.

December 2002: Begin appropriating against the CP program again.

June 2004: May issue another series of bonds to refund outstanding CP appropriation balances. This depends on the receipt of AIP grants, LOI and AIF balances.

SOURCE OF FUNDS SUMMARY (\$THOUSANDS)									
Source of Funds	Appropriations through Dec. 31, 2000	Estimated Appropriations Jan.1 - June 30 2002	Fiscal Year Planned Appropriations					Total	Total
			2003	2004	2005	2006	2007	2003 - 2007	
Airports Improvement Fund	84,664	27,921	16,512	26,891	96,872	13,550	45,310	199,135	311,720
Revenue Bonds/Commercial Paper	60,752	257,106	494,605	70,300				564,905	882,763
CRC-SFRB	82,265							0	82,265
98 Revenue Bonds	315,153	11,994						0	327,147
2000 Revenue Bonds	328,835	51,592	3,000					3,000	383,427
FAA/AIP (Federal Funds)	66,207	18,400	39,989	18,400	17,500	17,250	17,000	110,139	194,746
Airport Renl & Replacement Fund	20,998	378	6,540	4,375	1,915	4,025	3,580	20,435	41,811
Airport Rev. Bonds (Prev Ser)	1,160							0	1,160
Total	960,034	367,391	560,646	119,966	116,287	34,825	65,890	897,614	2,225,039

Aviation Department Facilities

FY2003 - 2007 CAPITAL IMPROVEMENT PLAN
(\$THOUSANDS)

CIP NO.	COUNCIL DISTRICT	PROJECT NAME	FY2003	FY2004	FY2005	FY2006	FY2007	TOTAL FY2003 - 2007
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Aviation Department Facilities

A-0008	B	CFR 54 AND 92 EXPANSION AND MODIFICATION - GBIAH	1,500 C					1,500C
A-0024	B	RUNWAY 8L LAND ACQUISITION - GBIAH	4,200 A					4,200A
A-0042	I	PAVEMENT UPGRADE - HOU	925 DC	1,400 DC	500 DC	500 DC	500 DC	3,825DC
A-0058	B	AIRPORT DRAINAGE FACILITIES - GBIAH	11,000 C		500 D	5,000 C		16,500DC
A-0063	B	AIRPORT PAVEMENT REPLACEMENT - GBIAH	2,550 DC	700 DC	700 DC	600 DC	715 DC	5,265DC
A-0082	B	LAND ACQUISITION, NE OF WILL CLAYTON - GBIAH	1,780 A					1,780A
A-0091	B	MODIFY/EXPAND CENTRAL PLANT - GBIAH	27,110 DC	13,600 C		3,700 D		44,410DC
A-0131	BEI	ASBESTOS ABATEMENT SERVICES - DOA	1,054 C	500 C				1,554C
A-0138	BEI	TECHNICAL ENGINEERING SERVICES - DOA	1,000 D	1,000 D	650 D	700 D	700 D	4,050D
A-0141	I	TERMINAL AND FINISHES - HOU	105,963 DCO	1,685 C				107,648DCO
A-0153	E	AIRPORT PAVEMENT REPAIR - EFD	60 D	1,560 DC	560 DC	560 DC	550 DC	3,290DC
A-0164	I	ENGINE RUNUP FACILITY - HOU					680 D	680D

LEGEND: A = ACQUISITION D = DESIGN C = CONSTRUCTION E = EQUIPMENT O = OTHER R = ART

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Aviation Department Facilities

A-0170	I	CLEAR ZONE ACQUISITIONS - HOU			4,399 A			4,399A
A-0203	B	EXPAND TERMINAL D - GBIAH	6,160 C	5,000 C				11,160C
A-0204	B	EAST MIDFIELD TAXIWAY - GBIAH			5,000 D		50,000 C	55,000DC
A-0221	B	EXPAND AIRPORT SERVICES COMPLEX - GBIAH	16,470 C					16,470C
A-0222	BEI	TELECOMMUNICATIONS NETWORK - DOA	370 O					370O
A-0263	B	OVERLAY RUNWAY 8-26 - GBIAH		28,700 C				28,700C
A-0271	BEI	ADA COMPLIANCE - DOA	700 C					700C
A-0289	B	LARGE VEHICLE WASH - GBIAH	66 C					66C
A-0295	I	R/W 30L - OBSTRUCTION REMOVAL - HOU	1,100 CO	100 O	100 O	100 O	100 O	1,500CO
A-0302	I	GARAGE GRAPHICS - HOU	488 C					488C
A-0304	B	NORTH PARALLEL RUNWAY - GBIAH	53,942 CO	0	0	0	0	53,942CO
A-0310	I	REFURBISH PARKING GARAGE - HOU	651 C					651C

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Aviation Department Facilities

A-0322	B	REHABILITATE TERMINAL C - GBIAH	110,410 DC					110,410DC
A-0341	BEI	VHF RADIO TRUNK SYSTEM - DOA	850 E					850E
A-0348	BEI	MISCELLANEOUS CONSTRUCTION - DOA	3,500 C	3,500 C	3,500 C	3,500 C	3,500 C	17,500C
A-0354	B	PEOPLE MOVER EXTENSION - GBIAH	1,100 DC					1,100DC
A-0362	I	FLEET MAINTENANCE SHOP - HOU	1,923 C					1,923C
A-0363	I	VEHICLE WASH EXPANSION - HOU	138 C					138C
A-0364	I	REPLACE A&G BUILDING - HOU	1,799 C					1,799C
A-0366	B	AIRFIELD DRAINAGE REPAIR - GBIAH	4,730 DC	715 DC	715 DC	715 DC	715 DC	7,590DC
A-0369	B	OVERLAY SOUTH TAXIWAYS - GBIAH	17,000 C					17,000C
A-0372	BEI	ACCESS CONTROL SYSTEM MODIFICATIONS - DOA	2,799 CO					2,799CO
A-0373	B	LANDSIDE ROADWAY REPAIRS - GBIAH	300 D		6,330 C	3,250 DC		9,880DC
A-0380	I	DEICING COLLECTION SYSTEM - HOU	4,898 C					4,898C

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Aviation Department Facilities

A-0381	I	REPAIR TENANT TRANSITION PAVEMENT - HOU	1,000 C					1,000C
A-0383	I	ROADWAY SIGNAGE IMPROVEMENTS - HOU		650 D	6,665 C			7,315DC
A-0385	I	RUNWAY 4/22, T/W "M" SOUTH, AND N. RAMP PAVEMENT REPAIR - HOU	9,590 C					9,590C
A-0387	E	RAMP PAVEMENT - EFD				300 D	3,330 C	3,630DC
A-0388	E	RAMP PAVEMENT REPAIRS - EFD	6,105 C					6,105C
A-0389	E	RUNWAY 17L-35R REHABILITATION - EFD		100 D	1,110 C			1,210DC
A-0391	BEI	TELECOM INFRASTRUCTURE UPGRADE - DOA	8,530 CO					8,530CO
A-0392	B	T/W "SD" BRIDGE - GBIAH	26,500 C					26,500C
A-0396	B	PM/CM SERVICES - GBIAH	16,450 DO					16,450DO
A-0397	B	CONSTRUCT T/W "NC" - GBIAH	400 D	3,600 C				4,000DC
A-0401	B	EXTEND TAXIWAY SHOULDER PAVEMENTS - GBIAH	2,500 C	2,000 C	1,000 C	1,000 C	1,000 C	7,500C
A-0402	B	BUILD RESTROOM/BREAKROOM FACI. FOR GT OPER./PARKING STUDY - GBIAH	250 C					250C

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Aviation Department Facilities

A-0405	I	CARGO BUILDING AND SURROUNDING PAVEMENT REPAIRS - HOU	100 C					100C
A-0406	I	FAA BUILDING HVAC - HOU	125 C					125C
A-0407	I	ADD NEW ILS APPROACH TO RUNWAY 4 - HOU			400 D	3,800 C	1,000 DC	5,200DC
A-0408	I	REPAIR LEAKS IN GARAGE/BAGGAGE CLAIM AREAS - HOU	563 C					563C
A-0409	I	CONSTRUCT NEW GARAGE - HOU		3,000 D	50,000 C			53,000DC
A-0410	I	RECONSTRUCT NORTH APRON - HOU	12,084 C					12,084C
A-0411	I	REROOF ARFF STATION 81 - HOU	341 C					341C
A-0412	I	REPAIR/REPLACE PARKING GARAGE REINFORCEMENTS - HOU	4,550 DC					4,550DC
A-0416	B	CONCRETE DITCH LINING - GBIAH	5,570 C	2,200 DC				7,770DC
A-0417	BEI	IMPLEMENT GIS SYSTEM - DOA	2,000 O					2,000O
A-0420	I	REPAIR/REPLACE DRAINS, GUTTERS AND DOWN SPOUTS - HOU	470 C					470C
A-0421	B	SOUTHEAST QUADRANT LAND ACQUISITION - GBIAH		2,000 A	5,000 A		3,000 A	10,000A

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A-0422	BEI	CIVIC ART FOR AVIATION - DOA	4,321 DC	202 DC	928 C			5,451DC
A-0423	BEI	GENERAL ENVIRONMENTAL SERVICES - DOA	3,000 O	100 O	100 O	100 O	100 O	3,400O
A-0427	E	PERFORM REPAIRS ON ATCT BUILDING - EFD	130 D					130D
A-0428	E	REPLACE UNDERGROUND VOLTAGE CABLES - EFD	2,900 C					2,900C
A-0429	B	VARIOUS CM SERVICES - GBIAH	7,000 D					7,000D
A-0430	B	NEW HPD FACILITY - GBIAH	8,415 C					8,415C
A-0434	B	CONSTRUCTION ACCOUNTING SERVICES - GBIAH	3,000 C					3,000C
A-0435	B	TERMINAL A NEW GATES & TRANSFORMERS - GBIAH		1,100 DC				1,100DC
A-0436	B	IMPROVE JFK BOULEVARD AND GREENS ROAD INTERSECTION - GBIAH	360 C					360C
A-0437	B	INSTALL AUTOMATED VEHICLE IDENTIFICATION SYSTEMS - GBIAH	100 D	900 C				1,000DC
A-0438	I	OVERLAY RUNWAY 12R-30L - HOU			7,220 DC			7,220DC
A-0439	I	REPLACE EXISTING AIRPORT OPERATING AREA (AOA) FENCING - HOU	731 C					731C

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Aviation Department Facilities

A-0440	E	BUILDING 510 UPGRADES - EFD	180 C					180C
A-0441	E	EXTEND CHALLENGER BOULEVARD - EFD		50 D	450 C			500DC
A-0451	B	RUNWAY 15L SURFACE CONDITIONING - GBIAH	1,500 D	13,500 C				15,000DC
A-0453	B	TERMINAL A AND B ELECTRICAL VAULTS - GBIAH	4,400 DC					4,400DC
A-0454	B	ALL TERMINAL AND AIRPORT SUPPORT FACILITIES - GBIAH	300 D	2,700 C				3,000DC
A-0455	B	RELOCATE WATER PRODUCTION PLANT #2 - GBIAH	5,500 C					5,500C
A-0459	B	RESURFACE TERMINAL C EAST TUG TUNNEL - GBIAH	900 C					900C
A-0460	B	TERMINAL B AND D ROOF REPAIRS - GBIAH	50 D	450 C				500DC
A-0461	B	CONCRETE LINE SOUTH BANK OF GREENS ROAD DITCH - GBIAH		250 D	2,250 C			2,500DC
A-0463	B	CONSTRUCT CARGO F.I.S. FACILITY - GBIAH	11,300 C					11,300C
A-0466	I	INSTALL FRENCH DRAIN TAXIWAY GOLF - HOU	6 D	59 C				65DC

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A-0467	I	CONCRETE STORM DRAIN. DITCH PARALLEL & ADJACENT TO TAXIWAY KILO - HOU	428 C					428C
A-0468	I	RESURFACE TAXI CAB STAGING LOT - HOU	100 C					100C
A-0469	E	NEW T/W C - EFD		350 D				350D
A-0470	E	RECONSTRUCT PORTIONS OF R/W 4-22 AND REHABILITATE T/WS - "D" AND "G" - EFD	500 D	5,000 C				5,500DC
A-0471	E	AIRSIDE/LANDSIDE UNDERGROUND STORM DRAIN. REPAIR & DITCH CLEANOUT - EFD	50 D	450 C				500DC
A-0473	E	BUILDING DEMOLITION - BLUE BUILDINGS 1050 AND 117 - EFD	215 D	1,945 DC	110 C			2,270DC
A-0475	BEI	WETLAND AT WESTSIDE MITIGATION ACQUISITION - DOA	5,296 C					5,296C
A-0476	B	NOISE MITIGATION PROGRAM - GBIAH	5,000 C	17,500 C	17,500 C	5,000 C		45,000C
A-0477	B	INTER-TERMINAL TRAIN (ITT) - GBIAH	5,400 D					5,400D
A-0478	B	WIDEN AND CONCRETE BOTTOM OF DITCH "N" - GBIAH			600 D	6,000 C		6,600DC
A-0479	B	FUEL CELL - GBIAH	2,900 DC					2,900DC

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A-0481	B	ROADWAY SIGNAGE - GBIAH		3,400 DC				3,400DC
A-0482	B	INTERIOR SIGNAGE - GBIAH	3,000 C					3,000C

TOTAL PLAN:	560,646	119,966	116,287	34,825	65,890	897,614
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