



massport

99 HIGH ST. BOSTON, MASSACHUSETTS 02110 (617) 482-2930 TELEX 94-0365

May 11, 1979

James L. Sullivan, City Manager
Cambridge City Hall
795 Massachusetts Avenue
Cambridge, MA 02139

Dear Mr. Sullivan:

Massport will be undertaking a \$6 million summer construction program at Logan International Airport commencing in June.

The summer construction program has been designed in three parts to lessen the interruption of normal aircraft approach and takeoff patterns.

Both Massport and the FAA are attempting to reduce annoyance caused by aircraft noise as much as possible this summer. A sizeable part of the \$6 million construction program will result in a decrease of aircraft noise in sections of East Boston, Winthrop, and Revere. Depending on the weather and other factors, changes in takeoff and landing patterns may adversely affect other areas temporarily.

I have enclosed for you information that describes in more detail the phasing of the construction program and the FAA's expected runway use patterns during the construction.

If you have any questions, please contact me. Be assured that we shall monitor the runway use and continually seek to alleviate aircraft noise.

Sincerely,

Patrick B. Moscaritolo
Director of Governmental & Public Affairs

PBM/dec
Encl.

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OFFICE OF THE
CITY MANAGER

NEWS
FROM



massport

CONTACT:
PUBLIC RELATIONS DEPT.
MASSACHUSETTS PORT AUTHORITY
99 HIGH STREET
BOSTON, MASSACHUSETTS 02110
TEL. (617) 482-2930

FOR RELEASE, WEEK OF MAY '20, 1979

CONSTRUCTION ON THE AIRFIELD AT BOSTON-LOGAN INTERNATIONAL AIRPORT THIS SUMMER WILL RESULT IN ALLEVIATION OF SERIOUS NOISE IMPACTS IN EAST BOSTON, WINTHROP, AND REVERE, BUT MAY RESULT IN MORE OVERFLIGHTS WEST OF THE AIRPORT DURING THIS CONSTRUCTION SEASON. THE IMPACTED NEIGHBORHOODS WHICH RECEIVE NOISE LEVELS 400 PERCENT HIGHER THAN OUTLYING AREAS, WILL BE THE PRIMARY BENEFICIARIES OF THE \$6 MILLION SUMMER CONSTRUCTION PROGRAM. THE CONSTRUCTION PROGRAM HAS BEEN DESIGNED IN THREE PARTS TO LESSEN THE INTERRUPTION OF NORMAL AIRCRAFT APPROACH AND TAKEOFF PATTERNS. DURING JUNE, BEFORE A HEAVY VOLUME OF TAKEOFFS IS EXPECTED TO THE SOUTHWEST AGAINST SUMMER WINDS, ONE OF THE RUNWAYS POINTED IN THIS DIRECTION, 4L-22R, WILL BE CLOSED FOR REHABILITATION OF THE RUNWAY SHOULDERS. THE FEDERAL AVIATION ADMINISTRATION AIR TRAFFIC CONTROLLERS PLAN TO USE THE PARALLEL RUNWAY FOR NECESSARY TAKEOFFS TO THE SOUTHWEST, AND RUNWAY 27 FOR LANDINGS FROM THE EAST. THIS SEQUENCE OF OPERATIONS MAY BE REVERSED FOR APPROPRIATE SPACING OF DEPARTING AND LANDING AIRCRAFT DURING PERIODS OF HEAVY TRAFFIC. TAKEOFFS ON RUNWAY 27 PASS OVER THE "LOWER END" OF SOUTH BOSTON, SOUTH END, JAMAICA PLAIN AND POINTS WEST. SIMILAR OPERATIONAL CIRCUMSTANCES WILL PREVAIL DURING JULY AND AUGUST. ALLEVIATION OF SEVERE NOISE CONDITIONS IS EXPECTED AS THE RESULT OF CONSTRUCTION DURING SEPTEMBER AND OCTOBER. A 1200-FT. DISPLACEMENT OF THE RUNWAY 22L THRESHOLD AND A NEW MEDIUM APPROACH LIGHT SYSTEM WILL RAISE THE GLIDE PATH OVER THE BEACHMONT SECTION OF REVERE AND THE BAYSWATER STREET AREA OF EAST BOSTON. ALSO, THE LANDINGS OVER THE NEW THRESHOLD ARE EXPECTED TO LESSEN THE NOISE IMPACT OF REVERSE THRUST ON THE COURT ROAD

-MORE-

SECTION OF WINTHROP. THE LANDING AIRCRAFT WILL TOUCHDOWN FARTHER TO THE SOUTHWEST THAN AT PRESENT AND WILL LEAVE THE RUNWAY ON A HIGH SPEED TURNOFF TO BE CONSTRUCTED IN JUNE.

MASSPORT AND FAA OFFICIALS HAVE COOPERATED IN SEEKING MEANS OF KEEPING LANDINGS AND DEPARTURES WITHIN THE NOISE ABATEMENT PROGRAM WORKED OUT OVER THE PAST FEW YEARS. THEIR EFFORTS ARE PARTIALLY DEPENDENT FOR SUCCESS ON WEATHER CONDITIONS, BUT IT IS EXPECTED THAT REVERE, BAYSWATER STREET, EAST BOSTON; COURT ROAD, WINTHROP; WILL BENEFIT PERMANENTLY, WHILE LESS THAN THE NORMAL SUMMER IMPACT IS EXPECTED IN QUINCY AND SOUTH SHORE COMMUNITIES.

MASSACHUSETTS PORT AUTHORITY

Summer Construction Program Fact Sheet

The Massachusetts Port Authority will soon be commencing its annual airfield construction program at Logan Airport. Construction will begin on May 29th and run through the end of October.

The principal airfield work will include rehabilitation of runway shoulders on the 4-22 parallels, repaving of a section of Taxiway 'N', the displacement of the landing threshold on Runway 22L by 1200 ft., installation of a 1,400 foot medium intensity approach light system in the displaced runway pavement, and a new angled exit taxiway from Runway 22L.

These projects will require closing of some runways normally used for summertime operations and the transfer of those operations to other runways. The timing of these closings have been designed to minimize changes in normal runway use patterns during the most sensitive mid-summer months.

Between May 29 and July 3 Runway 4L - 22R will be totally closed for shoulder rehabilitation and resurfacing of Taxiway 'N'. It is expected that the normal use of Runway 22R for takeoff under southwest wind conditions will be accommodated on Runway 27 while normal landing use of Runway 27 will be accommodated on Runway 22L.

During the mid-summer period of July 5 to August 31 no runways will be totally closed but one runway will be closed each weekday during working hours. The selection of the runway to be closed will be dependent on forecast wind conditions and the location of the work being done. However, normal runway use patterns during this two month period should not be significantly altered.

Between September 4th and October 6th, Runway 4R-22L will be totally closed for the relocation of the 22R landing threshold 1200 feet further from the adjacent community, installation of the in-runway approach light system, completion of the new exit taxiway and associated work. During the remainder of October the runway will be closed during the normal construction workday but open nights and weekends. Closure of this runway will allow normal summertime use of 22R for departures and use of Runway 27 for arrivals whenever southwest winds prevail. During periods of northeast winds it is expected that the normal use of Runway 9 for departures would continue while the normal use of Runway 4R for arrivals would be accommodated on Runway 4L during good visibility conditions and on Runway 15R during instrument weather conditions. There is a remote possibility that if extremely strong winds develop from the northeast or the southwest aircraft would be forced to use either 4L for takeoff or 22R for landing. In this very unlikely event, such use would continue only as long as no other runways could be safely used.

During the construction period there will be unavoidable changes in normal runway use which will necessarily produce temporary shifts in areas affected; however, completion of the project will have long term benefits for several communities. The 1200 foot displacement of the Runway 22L landing threshold will result in aircraft being more than 60 feet higher on approach over sections of Revere and East Boston and on an electronic glide path to minimize altitude deviations. The aircraft will also be landing 1200 feet further down the runway and applying reverse thrust that much further from the Town of Winthrop, producing an anticipated noise reduction in that community.

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OFFICE OF THE
CITY MANAGER

CONDITION I MAY 29 - JUNE 30, 1979

MAY 29 - JUNE 5

RUNWAY 4L-22R & TAXIWAY N CLOSED DAILY - OPEN NIGHTS & WEEKENDS

TAXIWAY E CLOSED 24 HRS./DAY

JUNE 6 - JUNE 30

TAXIWAY N CLOSED TO ALL TRAFFIC NORTHERLY OF RUNWAY 15L-33R

RUNWAY 4L-22R CLOSED NORTHERLY OF RUNWAY 15L-33R AND USED AS TAXIWAY. OPEN FOR TAKEOFF OF AIRCRAFT UNDER 12,500 LBS. SOUTH OF RUNWAY 15R-33L ON ARRANGEMENT WITH TOWER

TAXIWAY E CLOSED 24 HRS./DAY

RUNWAY 9-27 WILL BE CLOSED SUBJECT TO WIND AND WEATHER TO PERMIT MILLING SHOULDERS.

FOR DETAILED WORK SCHEDULE
SEE SECTION I DIVISION III
OF SPECIFICATIONS

RUNWAY DATA		
RUNWAY	LENGTH IN FEET	REMARKS
4R	7600	DISPLACED THRESHOLD
22L	10000	
4L	7650	
22R	10350	DISPLACED THRESHOLD
9-27	7625	
15L-33R	8400	
15R	8100	DISPLACED THRESHOLD
33L	8050	

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3 NORTH TERMINAL
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8 SOUTH TERMINAL (UNDER DESIGN)
9 FIVE & CROWN STATION
10 SOUTHWEST TERMINAL
11 UMBROU HANGAR (TO BE DEMOLISHED)
12 WEST AIRFREIGHT

13 VAN BUSES
14 GENERAL AVIATION ADM BLDG
15 BUTLER AVIATION HANGAR
16 U.S. POST OFFICE (UNDER CONST.)
17 BAY CHOPS (UNDER DESIGN)
18 HEATE RENT-A-CAR (UNDER DESIGN)
19 AN NATIONAL GUARANTY (TO BE DEMOLISHED)
20 NORTH SERVICE CENTER
21 NATIONAL SERVICE CENTER
22 PORTER ST. POWER SUBSTATION
23 AUTO SERVICE CENTER
24 EASTERN AIRLINES HANGAR

25 TARIKAR STORAGE AREA
26
27 EGGO SERVICE STATION
28 MULTI-LEVEL PARKING GARAGE
29 M.P.A. HEATING PLANT
30 A.L. AIRFREIGHT & SKY CHOPS
31 HOTEL SONESTA
32 AMERICAN AIRLINES HANGAR
33 WILLIAMS AIRFREIGHT
34 AIRPORT M.B.T.A. STATION
35 PAN AMERICAN AIRFREIGHT
36 NORTHEAST AIRLINES HANGAR

37 M.R.A. PUMPING STATION
38 ALLEGMENT HANGAR (UNDER CONST.)
39 DAVES AIRFREIGHT
40 M.P.A. FIELD MAINTENANCE CENT.
41 T.W.A. HANGAR
42 T.W.A. AIRFREIGHT
43 WOOD ISLAND SUBSTATION
44 M.C.A. RESERVATIONS
45 SOUTH TERMINAL TEMPORARY FACILITIES

SCALE IN FEET

0 500 1000 1500 2000

MASSACHUSETTS PORT AUTHORITY
BOSTON-LOGAN INTERNATIONAL AIRPORT

PHASING PLAN-CONDITION I

CONDITION II JULY 5 - SEPT. 1, 1979

- REMARKS:** RUNWAY 4L-22R WILL BE CLOSED DAILY - OPEN NIGHTS & WEEKENDS UNTIL SHOULDER WORK IS COMPLETED
REMARKS: RUNWAY 9-27 WILL BE AVAILABLE DAILY WIND & WEATHER PERMITTING - OPEN NIGHTS & WEEKENDS TO COMPLETE SHOULDERS
 RUNWAY 15R-33L WILL BE AVAILABLE DAILY WIND & WEATHER PERMITTING - OPEN NIGHTS & WEEKENDS FOR PAVEMENT CRACK FILLING, PATCHING AND GROOVING PATCHES
 RUNWAY 4R-22L WILL BE AVAILABLE ON 30 MINUTE RECALL DAILY WIND & WEATHER PERMITTING FOR WORK ON SHOULDERS

FOR DETAILED WORK SCHEDULE
SEE SECTION I DIVISION III
OF SPECIFICATIONS.

RUNWAY DATA		
RUNWAY	LENGTH IN FEET	REMARKS
08	7154	
09L	4002	REPAIRED Third Run
06	7066	
22R	7033	REPAIRED Third Run
0-22	7068	
10L-22R	4000	
14R	4800	
30L	5000	REPAIRED Third Run

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| 4. PIA-B | 16 U.S. POST OFFICE (UNDER CONST.) | 26 MULTI-LEVEL PARKING GARAGE | 40 M.P. FIELD MAINTENANCE CENTR. |
| 5. PIA-C | 17 BAT COPS (UNDER DESIGN) | 27 M.P.A. HEATING PLANT | 41 M.P. MILK |

CONDITION III SEPT. 4 - OCT. 31, 1979

SEPT. 4 - OCT. 6

*** RUNWAY 4R-22L CLOSED TO ALL TRAFFIC TO COMPLETE ALL RUNWAY PAVEMENT WORK, PAINTING, APPROACH LIGHT BASES AND ANY OTHER WORK REQUIRING EXCAVATION WITHIN THE 500' WIDE CLEARANCE ZONE OF THE RUNWAY

OCT. 9 - OCT. 31

/// RUNWAY 4R-22L WILL BE CLOSED DAILY-OPEN NIGHTS & WEEKENDS FOR COMPLETION OF SHOULDER REHABILITATION AND OTHER PERMITTED WORK WITHIN THE 500' CLEARANCE ZONE

FOR DETAILED WORK SCHEDULE SEE SECTION I DIVISION III OF SPECIFICATIONS

RUNWAY DATA		
RUNWAY	LENGTH IN FEET	REMARKS
4R	7600	REPLACED THRESHOLD
22L	4600	
4L	7600	
22R	7600	REPLACED THRESHOLD
5-27	7600	
10L-33R	3000	
4B	9300	REPLACED THRESHOLD
34L	4000	

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SCALE IN FEET

MASSACHUSETTS PORT AUTHORITY
BOSTON-LOGAN INTERNATIONAL AIRPORT

PHASING PLAN-CONDITION III



CITY OF CAMBRIDGE

CAMBRIDGE, MASSACHUSETTS 02139
Tel. 498-9011

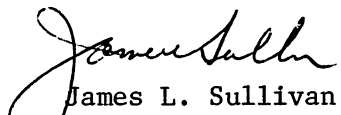
EXECUTIVE DEPARTMENT
JAMES L. SULLIVAN
City Manager

May 21, 1979

To the Honorable, the City Council:

Enclosed for your information is a copy of a communication from Massport relative to a \$6 million summer construction program at Logan International Airport commencing in June.

Very truly yours,


James L. Sullivan
City Manager

JLS/mbf
Enc.

RE: information received from Massport on
the planned \$6 million summer construction
program at Logan International Airport.

In City Council,

May 21, 1979

Placed on File.