Boston Logan Runway 9/27 Safety Rehabilitation

May 7, 2020
Logan’s Runway 9/27 will be temporarily closed for major maintenance
At BOS, for optimal efficiency, the FAA Tower looks to utilize three runways at a time – R9/27 is used under mostly all configurations.
Runway 9/27 and community context

- R9 Departures/R27 Arrivals overfly Point Shirley (Winthrop) and, at higher altitudes, North/South Shore communities
- R27 Departures overfly areas of the South Boston Waterfront, South End, Roxbury, JP, Hyde Park, Roslindale and Milton
Overview of anticipated impacts of Runway 9/27 closure

• Runway 9/27 is a major Logan runway that handles about 30% to 50% of departures under all primary operating conditions

• Rehabilitation is necessary to repair pavement cracking and weathering, improve drainage and install new LED edge and centerline lights

• Runway will be closed for about 75 days beginning mid-May

• Originally scheduled for late August to late October- after the peak summer travel period- the current, significant drop in flight operations has provided an opportunity to avoid major operational disruptions

• Closure now will also minimize shift in flight patterns and avoid impacts when flights return
In 2019, Runway 9/27 accommodated about 32% of all jet activity. However, monthly use fluctuates depending on weather conditions.

### Runway Use

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<tr>
<th>Runway</th>
<th>May</th>
<th>June</th>
<th>July</th>
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<tr>
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<td>5%</td>
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<td>22s</td>
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<td>33L, 32</td>
<td>11%</td>
<td>9%</td>
<td>12%</td>
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<tr>
<td>Total</td>
<td>99%</td>
<td>96%</td>
<td>100%</td>
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</tbody>
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### Runway 4s
- **Arrivals** – South Boston, Dorchester, Milton, and South Shore
- **Departures** – North Shore including East Boston, Revere, Lynn, Nahant

### Runway 22s
- **Arrivals** – North Shore including East Boston, Revere, Lynn, Nahant
- **Departures** – South Shore including South Boston, Hull

### Runway 33L
- **Arrivals** – Hull, South Shore
- **Departures** – East Boston, Chelsea, points west
Due to drop in flight activity, FAA Tower is now accommodating demand on fewer runways and community overflights have dropped significantly.
Runway 9/27 Existing Conditions

PAVEMENT – Widespread cracking, weathering, raveling and rutting of surface

PONDING – Drainage issues on and alongside runway
Runway 9/27 Maintenance Overview – Scope of Work

- New electrical infrastructure – LED edge and centerline lights in new conduit system
- Drainage improvements
- Pavement milling/removal
- Placement of Hot Mix Asphalt
- Shifting and realignment of Taxiways D-1 and D-2 to address non-standard geometry
- Runway grooving
Questions?

• Massport Community Relations staff will be available during construction for any questions or comments:
  ○ Community@massport.com
  ○ 617-568-3711 (Please leave a message and your call will be returned)

• The Noise Complaint Line will also remain available at 617-561-3333