Grand Forks International Airport
Master Plan Study

Airport Authority Update
Grand Forks, ND
June 23, 2016
Project Status Update

✔ Completed Tasks
  ✔ Facility Inventory
  ✔ Environmental Inventory
  ✔ Aviation Activity Forecasts
  ✔ Awaiting FAA Review & Approval
  ✔ Facility Requirements - Draft

✔ Upcoming Tasks
  ✔ Alternatives Formulation & Analysis
## Activity Forecasts

<table>
<thead>
<tr>
<th>Metric</th>
<th>2014</th>
<th>2019</th>
<th>2024</th>
<th>2029</th>
<th>2034</th>
<th>Annual Growth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Passenger Enplanements (Boardings)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td>146,531</td>
<td>167,341</td>
<td>183,519</td>
<td>207,635</td>
<td>234,921</td>
<td>2.39%</td>
</tr>
<tr>
<td>Airport Operations (Takeoffs &amp; Landings) - <em>UND Constrained</em></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Itinerant</td>
<td>120,119</td>
<td>110,935</td>
<td>118,844</td>
<td>124,714</td>
<td>127,777</td>
<td>0.31%</td>
</tr>
<tr>
<td>Local</td>
<td>204,077</td>
<td>202,067</td>
<td>215,741</td>
<td>223,094</td>
<td>223,406</td>
<td>0.45%</td>
</tr>
<tr>
<td>TOTAL</td>
<td>324,196</td>
<td>313,002</td>
<td>334,585</td>
<td>347,808</td>
<td>351,183</td>
<td>0.40%</td>
</tr>
<tr>
<td>Based Aircraft - <em>UND Constrained</em></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td>147</td>
<td>160</td>
<td>169</td>
<td>174</td>
<td>179</td>
<td>0.99%</td>
</tr>
</tbody>
</table>
Activity Forecasts

Notable Trends

- UND Activity Growth is Limited by Capacity/Delays
- Factors Support Passenger Enplanement Growth
  - Market-Driven by Airlines
- Average Aircraft Size Increasing (73 -> 94 seats)
- Loss of Regular FedEx Air Cargo Service
- Critical Design Aircraft Evolution (D-IV -> C-III)
- Peak Passenger Activity Trends
Key Facility Needs

◊ Airfield
  ◇ Approximately 80% of annual operational capacity
  ◇ Maintain operations when primary runway is down
  ◇ ATCT operational benefit to extending Runway 27R/9L
  ◇ Ultimate Runway 17R/35L extension to 8,000’
  ◇ Taxiway width 75’ -> 50’
Key Facility Needs

Terminal
- Additional 1-2 gates for demand/irregular events
- Expanded departure holdrooms to meet demand during peak times
- Apron expansion for operational flexibility
Next Steps

- FAA Approval of Aviation Forecasts (Pending)
- Draft Facility Requirements Report (July 2016)
- Develop Alternative Concepts (Summer 2016)
- Discussion of Alternative Concepts (Late Summer/Early Fall 2016)
- Public Open House (Fall 2016)