



# SKY HARBOR RUNWAY RELOCATION



FINAL PHASE | PHASE 3B RUNWAY 14-32 CONSTRUCTION | MAY & JUNE 2020

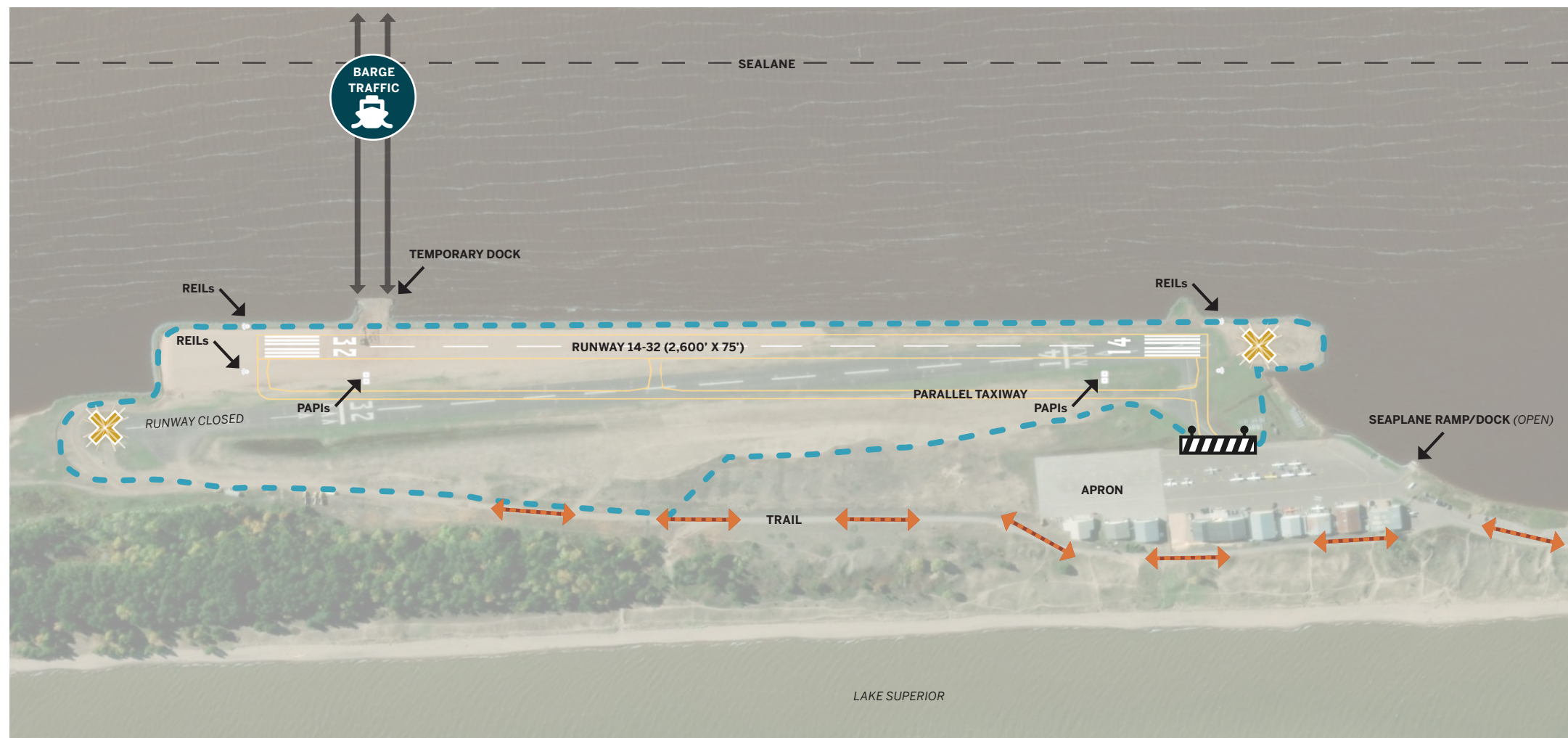
Phase 3 is the final phase of a multi-year runway relocation project. **Phase 1**, completed in 2017, included removal of the parallel taxiway, initial placement of fill material in Superior Bay, and environmental mitigation activities. **Phase 2**, completed in 2018, included placement of surcharge material on the fill material placed in Phase 1. This material was left in place until the start of Phase 3 to aid in compaction of the newly created land.

## PHASE 3 OVERVIEW

**Phase 3**, which was initiated in fall of 2019, includes the removal of the existing runway and final grading and construction of the realigned Runway 14/32 and associated parallel taxiway. In order to minimize airfield impacts, Phase 3 was broken into two phases, Phase 3A which was completed in 2019 and 3B which is scheduled for 2020.

**Phase 3A** (2019) included excavation of the surcharge material and on-site grading to prepare for the 2020 construction of the runway. This phase included some underground electrical work and delivery of approximately 10,000 tons of aggregate to the site in preparation for Phase 3B. In addition, 15 of 20 submerged crib structures which will create new fish habitat were placed in the water adjacent to the new shoreline. Phase 3A completed all Phase 3 components that were able to be completed without impacts to the existing Runway 14/32.

**Phase 3B** (2020) will complete the remaining elements of runway and taxiway construction and environmental mitigation.



## LEGEND

- CONSTRUCTION LIMITS
- LOW PROFILE BARRICADES
- LIGHTED CLOSING CROSS
- CONSTRUCTION HAUL ROUTE

**Phase 3B** includes removal of the existing Runway 14/32 and construction of the new Runway 14/32 and associated parallel taxiway. Phase 3B will continue to use barging to bring material to and from the site in order to minimize impacts to Minnesota Point.

Ph3B WORK ELEMENTS	SCHEDULE	CLOSURES	AVAILABLE AIRFIELD	INSTRUMENT APPROACH PROCEDURE IMPACTS	LEARN MORE - PROJECT COMMUNICATIONS																																																																																																															
<ul style="list-style-type: none"> <li>• Runway/Taxiway Construction</li> <li>• Construct Runway 14/32 (2,600' x 75' bituminous paved runway)</li> <li>• Construct full-length 25' wide parallel taxiway</li> <li>• Install new LED runway and taxiway lighting</li> <li>• Install 2-light PAPIs</li> <li>• Install REILs</li> <li>• Removal of temporary dock structure at the completion of Phase 3B</li> <li>• Environmental Mitigation</li> <li>• Installation of 5 remaining fish crib structures in Superior Bay</li> <li>• Site restoration including planting of native species</li> </ul>	<ul style="list-style-type: none"> <li>• <b>30 calendar days</b></li> <li>• <b>May 11-June 13 (tentative)</b></li> <li>• Work elements outside the airfield may extend beyond June 13</li> </ul> <table border="1" style="width: 100%; text-align: center; font-size: small;"> <thead> <tr> <th colspan="7">May</th> <th colspan="7">June</th> </tr> <tr> <th>S</th><th>M</th><th>T</th><th>W</th><th>T</th><th>F</th><th>S</th> <th>S</th><th>M</th><th>T</th><th>W</th><th>T</th><th>F</th><th>S</th> </tr> </thead> <tbody> <tr> <td>25</td><td>27</td><td>28</td><td>29</td><td>30</td><td>1</td><td>2</td> <td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td> </tr> <tr> <td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td> <td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td> </tr> <tr> <td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td> <td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td> </tr> <tr> <td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td> <td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td> </tr> <tr> <td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td> <td>28</td><td>29</td><td>30</td><td></td><td></td><td></td><td></td> </tr> <tr> <td>31</td><td></td><td></td><td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </tbody> </table>	May							June							S	M	T	W	T	F	S	S	M	T	W	T	F	S	25	27	28	29	30	1	2	1	2	3	4	5	6	3	4	5	6	7	8	9	7	8	9	10	11	12	13	10	11	12	13	14	15	16	14	15	16	17	18	19	20	17	18	19	20	21	22	23	21	22	23	24	25	26	27	24	25	26	27	28	29	30	28	29	30					31														<ul style="list-style-type: none"> <li>• Existing Runway 14-32 will be closed for the duration of this phase.</li> </ul>	<ul style="list-style-type: none"> <li>• The seaplane base including seaplane ramp and dock access in the harbor will be available throughout this phase.</li> </ul>	<ul style="list-style-type: none"> <li>• RNAV/GPS instrument approach procedures to Runway 32 are in development and are expected to be published by the FAA on July 16.</li> </ul>	<ul style="list-style-type: none"> <li> <b>Newsletter:</b> <ul style="list-style-type: none"> <li>• Construction newsletters will be distributed weekly throughout Phase 3B. Any schedule updates will be provided through the newsletter. If you would like to be added to the distribution list, please contact Brandon Twedt, Project Manager, SEH at <a href="mailto:btwedt@sehinc.com">btwedt@sehinc.com</a>.</li> </ul> </li> <li> <b>Website:</b> <ul style="list-style-type: none"> <li>• <a href="https://skyharbor.duluthairport.com/news/">https://skyharbor.duluthairport.com/news/</a></li> </ul> </li> <li> <b>Questions?</b> <ul style="list-style-type: none"> <li>• Brian Madsen, Sky Harbor Airport Manager <a href="mailto:bmadsen@duluthairport.com">bmadsen@duluthairport.com</a> or 218.733.0078</li> <li>• Brandon Twedt, SEH Project Manager <a href="mailto:btwedt@sehinc.com">btwedt@sehinc.com</a> or 651.765.2957</li> </ul> </li> </ul>
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