APPENDIX A

INTERFACE TEST RESULTS

This appendix contains the results of all the interface tests performed for the interface study presented in Chapter 3.

Table A.1  Organization of the Figures in Appendix A

<table>
<thead>
<tr>
<th>Pile/Material</th>
<th>Density Sand (1)</th>
<th>Model Sand (2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lancaster Composite FRP shell (CP40)</td>
<td>Figure A.1</td>
<td>Figure A.8</td>
</tr>
<tr>
<td>Hardcore composite FRP shell (24-4)</td>
<td>Figure A.2</td>
<td>Figure A.9</td>
</tr>
<tr>
<td>Hardcore FRP plate – untreated surface</td>
<td>Figure A.3</td>
<td>Figure A.10</td>
</tr>
<tr>
<td>Hardcore FRP plate – treated surface</td>
<td>Figure A.4</td>
<td>Figure A.11</td>
</tr>
<tr>
<td>PPI plastic pile</td>
<td>Figure A.5</td>
<td>Figure A.12</td>
</tr>
<tr>
<td>Prestressed concrete pile</td>
<td>Figure A.6</td>
<td>Figure A.13</td>
</tr>
<tr>
<td>Steel sheet pile</td>
<td>Figure A.7</td>
<td>Figure A.14</td>
</tr>
</tbody>
</table>

Notes:  
(1): See Table 3.6 for a summary of interface shear test results on Density Sand.  
(2): See Table 3.7 for a summary of interface shear test results on Model Sand.
Figure A.1 Interface shear test results Density Sand-to-Lancaster FRP shell interface
Figure A.2 Interface shear test results Density Sand-to-Hardcore FRP shell interface
Figure A.3 Interface shear test results Density Sand-to-HC FRP plate (untreated) interface
Appendix A - Interface Test results

Figure A.4 Interface shear test results Density Sand-to-Treated FRP plate interface
Figure A.5 Interface shear test results Density Sand-to-Plastic interface

Appendix A - Interface Test results
Figure A.6 Interface shear test results Density Sand-to-Concrete interface

Appendix A - Interface Test results
Figure A.7 Interface shear test results Density Sand-to-Steel interface
Figure A.8 Interface shear test results Model Sand-to-Lancaster FRP shell interface

Appendix A - Interface Test results
Figure A.9 Interface shear test results Model Sand-to-Hardcore FRP shell interface

Appendix A - Interface Test results
Figure A.10 Interface shear test results Model Sand-to-FRP plate (untreated) interface

Appendix A - Interface Test results
Figure A.11 Interface shear test results Model Sand-to-Treated FRP plate interface

Appendix A - Interface Test results
Figure A.12 Interface shear test results Model Sand-to-Plastic interface
Figure A.13 Interface shear test results Model Sand-to-Concrete interface
Figure A.14 Interface shear test results Model Sand-to-Steel interface