



NTS



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### 1) CURRENT CONDITION

1.1	Current Main Vessel	Size:	MV HENDRA	MV LINGA	MV FILA
		<ul style="list-style-type: none"> <li>Loa = 33.6 m</li> <li>Beam = 9.4 m</li> <li>Draught = 2.61 m</li> </ul>	<ul style="list-style-type: none"> <li>Loa = 36.21m</li> <li>Beam = 10.8m</li> <li>Draught = 3.19m</li> </ul>	<ul style="list-style-type: none"> <li>Loa = 35.5m</li> <li>Beam = 9m</li> <li>Draught = 3.05m</li> </ul>	
1.2	RoRo Ferry Berth	Capacity:	95 passengers	95 passengers	30 passengers
		<ul style="list-style-type: none"> <li>12 PCU</li> </ul>	<ul style="list-style-type: none"> <li>18 PCU</li> </ul>	<ul style="list-style-type: none"> <li>8 PCU</li> </ul>	
1.2	RoRo Ferry Berth	<ul style="list-style-type: none"> <li>4 dolphins alongside a rubble mound supported by a series of timber struts.</li> <li>33m long mooring/berthing platform.</li> <li>Vertical rubber D fenders.</li> </ul>			
1.3	Linkspan	Small 4.5m wide x 13.915 m long			
1.4	Parking/waiting area	No dedicated parking			
1.5	Facilities	Toilets & waiting room			

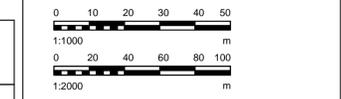


Approx. scale 1:2000

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  - IMAGERY FROM GOOGLE EARTH.
  - BED LEVELS FROM ADMIRALTY CHART 3284 MOUL OF ESWICK LUNNA HOLM INCLUDING OUT SKERRIES.
  - BERTH STRUCTURE REQUIRES FURTHER ASSESSMENT TO ESTABLISH NECESSARY REPAIRS/STRENGTHEN WORKS OR COMPLETE REPLACEMENT TO COMPLY WITH A 30 YEARS SERVICE LIFE.
  - FENDERS AND BOLLARDS FOR OVERNIGHT MOORING REQUIRE FURTHER ASSESSMENT TO ESTABLISH THEIR ADEQUACY FOR LARGER VESSELS.
  - IF BERTH STRUCTURE IS TO BE REPLACED IT IS RECOMMENDED TO UPGRADE / REPLACE LINKSPAN.

SHETLAND TIDAL LEVELS

LOCATION	MHWS	MHWN	MLWN	MLWS
Dury Voe	2.1	1.6	0.9	0.3



Reference Drawings:

### 2) LIKE FOR LIKE OPTION Terminal upgrades

2.1	Vessel	<b>TYPE 1</b>
2.2	Parking/waiting area	Recommended provision of dedicated parking/waiting area
See note 7.		



Approx. scale 1:1000

### 3) LARGER VESSEL Terminal upgrades

3.1	Vessel	<b>TYPE 2</b>
3.2	Linkspan	Upgrade to Large Linkspan (9.3m wide x 20.47m long) see note 9.
3.3	RoRo Ferry Berth	<ul style="list-style-type: none"> <li>Additional dolphin required to extend mooring/berthing platform.</li> <li>Installation of D fenders as per existing. See notes 7 &amp; 8.</li> </ul>
3.4	Parking/waiting area	Recommended provision of dedicated parking/waiting area.



Approx. scale 1:1000

### 4) OVERNIGHT BERTH AT VIDLIN Proposed upgrade

4.1	<ul style="list-style-type: none"> <li>Construction of a 75m long jetty to provide ferry berth and overnight berth. If additional shelter is required a breakwater could be provided.</li> <li>Provision of a Large Linkspan (9.3m wide x 20.47m long).</li> <li>Land reclamation to provide approx. 0.12 ha of additional area.</li> <li>Some minimum dredging may be required in the overnight berth to provide a suitable berth pocket.</li> </ul>
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Approx. scale 1:1000

B	21/07/16	SIC comments
A	15/06/16	PBA comments
Rev	Date	Details



Project:  
**SHETLAND INTER-ISLAND TRANSPORT STUDY**

Title:  
**WHALSAY - VIDLIN OPTIONEERING**



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				B