

Your ref. -  
Our ref 5207869/18.30/OC150/AL/DL/SW/IW/JC/fl  
Date 24 May 2022

## By Post and Email

Environmental Protection Department  
Environmental Assessment Division  
Strategic Assessment Group  
Sheung Shui, Fanling, Tai Po Section (6)  
27th floor, Southorn Centre,  
130 Hennessy Road,  
Wan Chai, Hong Kong

Attn: Ms. LAU Tai, Trista  
Env Protection Offr (Strategic Assessment) 61

Dear Madam,

**Agreement No. CE 32/2021 (CE)**  
**Improvement Works at Lai Chi Wo Pier and Tung Ping Chau Public Pier**  
**- Design and Construction**  
**Environmental Permit No. EP-586/2021**  
**Submission of Works Vessel Travel Route Plan (Rev. 4)**

Pursuant to Conditions 2.13 of the EP No. EP-586/2021, we hereby submit the Works Vessel Travel Route Plan (Rev. 4) for the captioned Project at Lai Chi Wo Pier.

The aforesaid submission has been certified by the Environmental Team (ET) and verified by the Independent Environmental Checker (IEC). The ET certification and the IEC verification letters have been enclosed for your record.

Should you have any queries regarding the above, please feel free to contact our Mr. Arthur Lo (Email: [arthur.lo2@atkinsglobal.com](mailto:arthur.lo2@atkinsglobal.com)) at 2972 1360 or Mr. Joe Chiu (Email: [Joe.Chiu@atkinsglobal.com](mailto:Joe.Chiu@atkinsglobal.com)) at 2972 1119.

Yours faithfully,  
For and on behalf of  
Atkins China Ltd



**Dickson LAW**  
**Project Manager**

cc CEDD/CEO Mr. CHIK Kan To (Project Coordinator /Projects 3 A)

Response required No.  
Due date N/A  
Attachment (1) Works Vessel Travel Route Plan (Rev. 4) (4 sets of hard copies and 1 set of soft copy in CD)  
(2) ET Certification and IEC Verification Letters

<b>Our ref</b>	5207869/18.30/OC150/AL/DL/SW/IW/JC/fl
<b>Title</b>	Submission of Works Vessel Travel Route Plan (Rev. 4)
<b>Date</b>	24 May 2022

## Attachment 1

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## Works Vessel Travel Route Plan (Rev. 4)



## Agreement No. CE 32/2021 (CE) Improvement Works at Lai Chi Wo Pier and Tung Ping Chau Public Pier -Design and Construction

Works Vessel Travel Route Plan  
for Lai Chi Wo Pier (Site Investigation) (Rev. 04)  
(5207869-OR112A-04a)

20 May 2022



中國港灣 - 中國水利電力聯營  
CHEC - CWE Joint Venture

**Contract No. CV/2021/06**

**Project Title: Site Investigation Works for Pier  
Improvement at Lai Chi Wo**

(Works Vessel Travel Route Plan  
for Site Investigation Works)

Rev04



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## 1. Introduction

China Harbour Engineering Company - China International Water & Electric Corp. Joint Venture (CHEC-CWE JV) awarded the term Contract No. CV/2021/06 - “CEDD Maintenance Contract for Seawall and Navigation Channels (2021-2026)”. The works included in the Contract as described in the Task Orders issued from time to time by the Engineer.

CEDD propose to carry out site investigation works (in total of four boreholes) for pier improvement at Lai Chi Wo under the captioned Contract. The works is located at Yan Chau Tong Marine Park in the vicinity of Lai Chi Wo Pier. The location of the Project is shown in Figure 1



Figure 1 – Site Location Plan

The site investigation works expected to commence on 16 February 2022 and to be completed on 31 March 2022. With reference to Condition 2.13 of the Environmental Permit (EP-586/2021), all recommendation specified in the Works Vessel Travel Route Plan (the



Plan) and the implementation schedule shall be fully implemented.

An updated Works Vessel Travel Route Plan for the main works of proposed Lai Chi Wo Pier will be submitted separately. In accordance with the Condition 2.13 of EP-586/2021, the plan will be submitted to EPD no later than one month before the commencement of the construction.

## 2. Planning of Works Vessel Travel Route Plan

General activities include transportation, install silt curtain and carry out SI works. With reference to the scope of works and location of works area, the following vessels to be used during the construction period as below

Types of vessel/ Engaged number	Activities
Tug boat (self-propelled) / 1 nos.	Towed jack-up barge to proposed works area
Jack-up barge (non self-propelled)/ 1 nos.	Carrying out SI works/ delivering material to and from the works area
Crane boat (self-propelled)/ 1 nos.	Installation of silt curtain/delivering material to and from the works area
Motor boat/Motor sampan (self-propelled)/ 1 nos.	Assist jack-up barge for re-positioning to proposed borehole locations / transportation of workers

Remarks:

- Proposed vessels and activities in the above may be subject to change depending upon actual site condition and the availability of the vessels.
- Motor boat/ motor sampan/ crane boat may involve the site activities such as inspection works

The photos of proposed works vessels are attached in **Appendix A**

### 2.1 Vessel Travel Plan

Works vessels expected present from 16 February 2022 to 31 March 2022 in the Site are summarized as follow:-

Types of vessel	Present in the Site
Tug boat (self-propelled)	1 round trips in per working day when towing jack-up barge to site/repositioning
Jack-up barge (non self-propelled)	Most of the time (stationary within the site area per working day)
Crane boat (self-propelled)	Sometimes (2 round trips per working day when install/ remove silt curtain)
Motor boat/Motor sampan (self-propelled)	Most of the time (2 round trips per working day)



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Works Vessel Travel Route Plan Rev04

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## 2.2 Proposed works vessel route

Proposed works vessel travel route is attached in **Appendix B**.

## 3. Mitigation measures of the Plan

The mitigation measures and implementation of the mitigation measures for the Plan are attached in **Appendix C**.





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CHEC - CWE Joint Venture

## **Appendix A**

### **Photos of proposed works vessels**



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CHEC - CWE Joint Venture

Vessel	
Tug boat	
Jack-up barge	
Crane boat	



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CHEC - CWE Joint Venture

Motor boat



Motor sampan





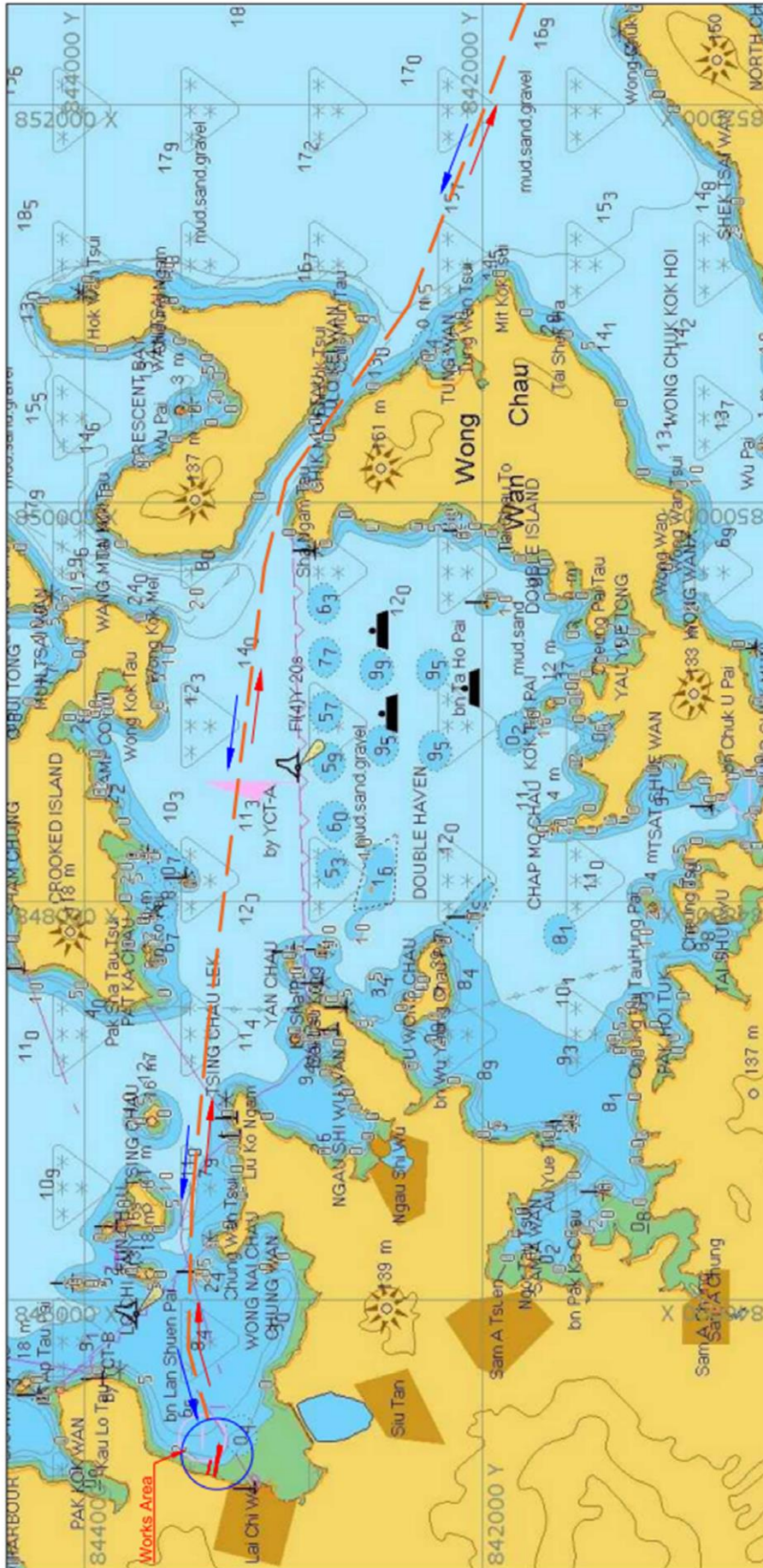
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CHEC - CWE Joint Venture

## **Appendix B**

### **Proposed works vessel travel route**



Works Vessel Travel Route Plan



↑ Travel route for deploying vessel enter to works area

↑ Travel route for deploying vessel leave to works area



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CHEC - CWE Joint Venture

## Appendix C Mitigation Measures



Mitigation Schedule and Implementation Schedule for the Plan

EM&A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern address	Implementation Agent	Location/ Timing	Implementation Stage	Requirements and / or standards to be achieved
A4	Routing of barges should as far away from the identified ASRs as practicable	Minimise the air pollution impact from the barges on the nearby sensitive receivers	Contractor	All construction sites	Construction stage	-
A5	The number of boat trips should be minimized as far as practicable by appropriate planning.	Maximise the utilization of each trip travelling to and from the nearest pier in other district and the Project site	Contractor	All construction sites	Construction stage	-
W2	<u>Working in Marine Park</u> <ul style="list-style-type: none"> <li>- The power-driven vessel shall not exceed a speed of 10 knots at any time inside the marine park:</li> <li>- Restrict anchor or moor except under and in accordance with a permit or at mooring sites provided by the Authority</li> </ul>	Minimise water quality and ecological impact during working in marine park	Contractor	All construction sites	Construction stage	<ul style="list-style-type: none"> <li>- Marine Parks Ordinance</li> <li>- Marine Parks and Marine Reserves Regulation</li> </ul>
W4	<u>Marine-based Foundation Works</u> <ul style="list-style-type: none"> <li>- All vessels deployed should have adequate clearance from the seabed at all tide levels to ensure no undue turbidity is generated from propeller wash</li> </ul>	Minimise water quality impact from foundation works	Contractor	All construction sites	Construction stage	WPCO

Sean WONG  
阿特金斯顧問有限公司 **Atkins China Limited**  
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<b>Our ref</b>	5207869/18.30/OC150/AL/DL/SW/IW/JC/fl
<b>Title</b>	Submission of Works Vessel Travel Route Plan (Rev. 4)
<b>Date</b>	24 May 2022

## Attachment 2

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## ET Certification and IEC Verification Letters

Your ref. -  
Our ref 5207869/18.30/OC149/AL/DL/SW/IW/AL/fl  
Date 23 May 2022

**By Post and By Email**

Civil Engineering and Development Department  
Civil Engineering Office  
Pier Improvement Unit  
Projects Section 3  
4/F, Civil Engineering and Development Building  
101 Princess Margaret Road  
Homantin, Kowloon

**Attn: Mr. LEE Man Chow, Francis  
Project Team Leader**

Dear Sirs,

**Agreement No. CE 32/2021 (CE)  
Improvement Works at Lai Chi Wo Pier and Tung Ping Chau Public Pier  
– Design and Construction  
Certification of Works Vessel Travel Route Plan for Lai Chi Wo Pier  
(Site Investigation) (Rev. 04)**

Pursuant to Condition 2.13 of the Environmental Permit No. EP-586/2021, I hereby certify the Works Vessel Travel Route Plan (Rev.4) for the Site Investigation (GI) Works for the captioned Project.

Should you have any queries regarding the above, please feel free to contact us by telephone number 2972 1360.

**Yours faithfully,  
For and on behalf of  
Atkins China Ltd**



**Arthur Hong Nam Lo  
Environmental Team Leader**

cc EPD - Ms. LAU Tai, Trista (Env Protection Offr (Strategic Assessment) 61)  
Wilson Acoustic limited - Mr. Morgan Cheng (IEC)



Unit 601, Block A, Shatin Industrial Centre,  
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E-mail: who@wal.hk  
Web: www.wal.hk

**Our Ref: 21411-28**

By Email & Fax

24 May 2022

Civil Engineering and Development Department  
Civil Engineering and Development Building,  
101 Princess Margaret Road,  
Kowloon, Hong Kong

Attention: Mr. LEE Man-chow

**Subject: Agreement No. PI 2/2021 Independent Environmental Checker Services  
for Improvement Works at Lai Chi Wo Pier and Improvement Works at  
Tung Ping Chau Public Pier  
Verification of Works Vessel Travel Route Plan (Rev4)**

Dear Mr Lee,

We refer to the email on 23 May 2022 from Atkins China Limited about Works Vessel Travel Route Plan (Rev4) for site investigation works at Lai Chi Wo Pier.

We have no further comment and hereby verify Works Vessel Travel Route Plan for investigation works as required under Condition 2.13 of the Environmental Permit (EP-586/2021).

Should you have any queries, please feel free to contact us by telephone number 2637-0623 or fax 3422-8117.

Yours sincerely

A handwritten signature in black ink, appearing to read "Morgan Cheng", written over a stylized signature line.

Morgan Cheng  
Independent Environmental Checker, Wilson Acoustics Limited

ST

Encl.

c.c. Civil Engineering and Development Department (Attn.: Mr. YUNG Chung Bun, Thomas)  
Environmental Protection Department (Attn.: Ms. LAU Tai, Trista)  
Atkins China Limited (Attn.: Mr. Sean Wong)