





Opinion Statement

Product Carbon Footprint

Verification Opinion Statement

This is to verify that: West Coast Expressway Southern Region

Temporary Engineering Office Directorate General of Highways

Ministry of Transportation and Communications.

No. 29, Puzi 7th Rd. Puzi City, Chiayi County

Taiwan

交通部公路總局西部濱海公路

南區臨時工程處

臺灣 嘉義縣

朴子市

朴子七路 29 號

Holds Statement No:

PCFV 269

As a result of carrying out the verification of infrastructure life cycle greenhouse gas emissions, it is the opinion of BSI with reasonable assurance that:

- The infrastructure carbon footprint of the Anshuo to Tsaopu Widening Section of Taiwan Provincial Highway No. 9 C4 Section (台 9 線南迴公路拓寬改善後續計畫安朔草埔段工程 C4 標) is 51,704.02 tonnes of CO₂ equivalent.
- No material misstatements in this infrastructure life cycle greenhouse gas emission statement were revealed.

The infrastructure life cycle GHG data quality was verified to be acceptable against the requirements of ISO 14067:2018.

This statement shall be valid for a maximum period of two years after the latest issue date on this certificate. Should there be a change in the life cycle of the product whose GHG emissions are being assessed, the validity of this opinion statement will cease.

For and on behalf of BSI:

Managing Director BSI Taiwan, Peter Pu

Originally Registration Date: 2020-12-28 Effective Date: 2020-12-28

Latest Revision Date: 2020-12-28 Expiry Date: 2022-12-27

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...making excellence a habit."



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Talwan Headquarters: 2nd Floor, No. 37, Ti-Hu Pd., Nei-Hu Dict. Taipoi 114, Taiwan, P.O.

Statement No:

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Location

West Coast Expressway Southern Region Temporary Engineering Office Directorate General of Highways Ministry of Transportation and Communications. No. 29, Puzi 7th Rd. Puzi City, Chiayi County Taiwan 交通部公路總局西部濱海公路南區臨時工程處

交通部公路總局西部濱海公路南區臨時工臺灣

嘉義縣 朴子市

朴子七路 29 號

Verification Information

The infrastructure carbon footprint of the Anshuo to Tsaopu Widening Section of Taiwan Provincial Highway No. 9 - C4 Section (台 9 線南迴公路拓寬改善後續計畫安朔草埔段工程 C4 標) is 51,704.02 tonnes of CO₂ equivalent.

Additional information

The related information is as follows:

- System boundary for this infrastructure: Cradle to Grave
 The infrastructure system boundary is consistent with its system boundary definition in PCF report for infrastructure carbon footprint, which involves the acquisition of raw material, construction activities, material transportation and operation phase in the infrastructure life cycle.
- The data in this infrastructure life cycle greenhouse gas inventory report was from 2016-10-19 to 2020-4-1.
- The site-specific data include related construction activities from its own processes under the operational control of the organization, and partial suppliers including
 - Hoshi International Career (天九與業)
 - Yong Yu Ceramic Co., Ltd. (永鈺窯業股份有限公司)
- The secondary data include relative factors from public sources and LCA software SimaPro 8.5.2.

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