



HIGHWAYS DEPARTMENT

5TH FLOOR, HO MAN TIN GOVERNMENT OFFICES
88 CHUNG HAU STREET, HOMANTIN, KOWLOON, HONG KONG
Web site : <http://www.hyd.gov.hk>

路政署
香港九龍何文田忠孝街八十八號
何文田政府合署五樓
網址 : <http://www.hyd.gov.hk>

本署檔案 Our Ref. : () in HyD CR 4-35/1
來函檔號 Your Ref. : CB4/PAC/R65
電 話 Tel. : 2762 3301
圖文傳真 Fax : 2714 5203

25 January 2016

Mr Anthony CHU
Clerk
Public Accounts Committee
Legislative Council Complex
1 Legislative Council Road
Central
Hong Kong

Dear Mr CHU,

Public Accounts Committee

Chapter 8 of the Director of Audit's Report No. 65 Management of the public lighting system

Supplementary Information

Thank you for your letter of 13 January 2016. I would like to provide the following supplementary information on the upgrading of the Public Lighting Information System (PLIS):

To facilitate the management of the public road lights, the Highways Department (HyD) has set up a PLIS for managing the inspection and maintenance record database. The system has been developed for years. In early 2014, HyD started the planning for upgrading of the PLIS. Since then, a review on the PLIS has been carried out to identify areas for improvement and explore ways to enhance the system to



meet the current operational needs of HyD for effective and efficient management of public road lights. The current database consists of an inventory of about 146 000 public road lights throughout Hong Kong. The planned upgrading of the PLIS will make use of the technology advancement in database management with a view to improving the performance of the system for a much larger number of road lights, cables and controllers which the existing PLIS is unable to handle efficiently.

The review has been substantially completed. We are now seeking funding within the Government to upgrade the PLIS. Apart from its ability to generate regular reports on the maintenance/repair/inspection record and performance condition of the individual elements of the road lighting system, we are planning to include the following proposed enhancements in the system upgrading work:

- revamping the existing PLIS with a web-based solution;
- incorporating latest Geographic Information System technology to assist in the management of the public road lights (including planning of inspection routes);
- enhancing database management such as ensuring the degree of accuracy, integrity and security of road lighting records with regular quality audit by HyD of data updates from the contractors; and
- generating exception reports to enable more efficient and effective monitoring and control of the performance in the inspection, repair and maintenance of the road lighting system.

Upon the availability of funding, we expect that the proposed upgrading of the PLIS would be completed in about two years.

Yours sincerely,



(W W CHUI)

for Director of Highways

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c.c. Secretary for Financial Services and the Treasury (Fax : 2147 5239)
Director of Audit (Fax : 2583 9063)
Director of Electrical and Mechanical Services (Fax : 2882 9042)
Director of Home Affairs (Fax : 2203 4603)
Secretary for Transport and Housing (Fax : 3904 1774)