

LEGISLATIVE COUNCIL PANEL ON TRANSPORT

Progress Update on the Installation of Speed Enforcement Camera and Red Light Camera Systems

Introduction

This paper updates Members on the progress of the installation of speed enforcement camera and red light camera systems.

Background

Speed Enforcement Cameras

2. Driving in excess of speed limits on the road has contributed to the occurrence and severity of most traffic accidents. Overseas experience shows that installation of speed enforcement cameras (SECs) at strategic locations is a useful means to combat speeding effectively.

3. Before January 1999, there were only 10 locations along Tolo Highway and Fanling Highway that were installed with SEC on-site equipment. In January 1999, we consulted this Panel on our proposal to expand the coverage of SECs to 60 other locations at strategic roads and expressways, and to place eight cameras at these locations on a rotational basis. The funding requirement for the procurement of cameras and computer systems, installation works, testing of equipment and contingencies was estimated to be \$25.16m. Members supported the proposal. We subsequently secured the Finance Committee (FC)'s funding approval for the project in July 1999. However, as the price of the successful bid was lower than our estimate, we decided to add another 15 locations to the project, then making a total of 75 locations. The project was scheduled to be completed by September 2002. The list of locations is at **Annex A**.

Red Light Cameras

4. The red light camera (RLC) system aims to deter drivers from red light jumping which accounts for more than 80% of traffic signal offences. Between 1993 and 1999, 50 road junctions were installed with RLC on-site equipment. This measure proved to be very effective as the number of red light jumping cases at these road junctions had reduced substantially by 43 - 55%. In view of the effectiveness of the system, we decided to procure 12 additional RLCs and to locate them at 60 additional road junctions. The funding required for the project was estimated to be \$16.2M. In July 1999, we secured FC's funding approval for the project. The project was scheduled to be completed by September 2002. The list of RLC locations is at **Annex B**.

Problems Encountered

6. For both SECs and RLCs, a digital camera system, rather than the traditional wet film system, would be used. The Transport Department (TD) thus needed to review the technical details, gather information on the technology and hold discussions with suppliers and the Police, with a view to ensuring that the specifications could accommodate the latest technology available and that the system would be compatible with the existing traffic enforcement computer system. Additional time was therefore spent on the pre-tender preparation work.

7. The progress of the SEC project was further delayed by the problem of power supply. Prior to the tender exercise, TD had secured the confirmation of the two power companies that power supply would be available at the selected locations. However, after the contract had been awarded and during the detailed planning stage, the power companies advised that there were problems with power supply at some of the locations. Additional time was thus required to resolve the problem with the two power companies and to identify alternative sites.

8. As mentioned in paragraph 3, we had originally planned to install the SECs at 60 locations on a rotational basis. This was subsequently increased to 75. TD thus required more time to identify 15 suitable sites with power supply and to carry out the related works.

Latest Development

9. The technical problems mentioned in paragraphs 6 –8 above have now been resolved and the installation works are in good progress. For the SEC project, all works at 43 of the 75 sites have been completed. Installation works at 10 other sites have been completed, awaiting power connection. The installation and power connection works for the remaining 22 sites will be completed by February 2004. For the RLC project, works at 56 sites had been completed. Works for the remaining 4 sites will be completed by late December 2003.

10. To tie in with the implementation of the SEC and RLC systems, the Police has been providing special training on the new enforcement procedures for its staff. The manual for operating the SEC and RLC systems is also being finalised. Our current target is to put the SEC and RLC systems into operation in the first quarter of 2004.

Advice Sought

11. Members are invited to note the progress of the SEC and RLC projects set out in this paper.

Environment, Transport and Works Bureau
3 December 2003

Annex A

I. Existing Locations of Speed Enforcement Cameras

No.	Location
1.	Tolo Highway, north bound, adjacent to Ma Liu Shui Bridge, near chainage 23.62
2.	Tolo Highway, north bound, opposite to Science Park, near chainage 25.00
3.	Tolo Highway, north bound, adjacent to Tai Po Kau, near chainage 27.90
4.	Tolo Highway, west bound, adjacent to Ha Wun Yiu, near chainage 30.60
5.	Tolo Highway, west bound, adjacent to Shui Wai, near chainage 32.30
6.	Fanling Highway, north bound, adjacent to Tai Hang, near chainage 34.25
7.	Fanling Highway, north bound, adjacent to Kiu Tau, near chainage 36.02
8.	Fanling Highway, north bound, adjacent to Fung Ying Sin Koon, near chainage 37.95
9.	Fanling Highway, north bound, adjacent to Sheung Shui PMQ, near chainage 39.43
10.	Fanling Highway, south bound, adjacent to Tai Wo, near chainage 34.43

II. Additional Locations of Speed Enforcement Cameras

No.	Location
1.	Tuen Mun Road, So Kwun Wat, west bound, near Kar Wo Lei
2.	Tuen Mun Road, So Kwun Wat, east bound, near Kar Wo Lei
3.	Tuen Mun Road, east bound, under the road bridge adjacent to Tseng Choi St
4.	Tuen Mun Road, west bound, near Yuk Hong St
5.	Tuen Mun Road, west bound, adjacent to Pun Shan Tsuen
6.	Tuen Mun Road, Yau Kom Tau, east bound, at bridge abutment of Ting Kau Bridge
7.	Tuen Mun Road, west bound, near up-ramp to Tsing Long Highway
8.	Tuen Mun Road, west bound, near down ramp from Tsing Long Highway
9.	Tuen Mun Road, west bound, adjacent to Rhine Garden
10.	Tuen Mun Road, west bound, near Sea Crest Villa
11.	Tuen Mun Road, east bound, near Hong Kong Garden
12.	Tuen Mun Road, west bound, adjacent to Castle Peak Road – Tai Lam
13.	Tolo Highway, south bound, adjacent to Ma Liu Shui, Hong Kong Science Park
14.	Tolo Highway, south bound, adjacent to Island House
15.	Fanling Highway, south bound, adjacent to Kau Lung Hang Lo Wai
16.	Fanling Highway, west bound, adjacent to Kam Tsin,
17.	Fanling Highway, east bound, adjacent to Europa Garden

No.	Location
18.	San Tin Highway, west bound, adjacent to Shek Wu Wai
19.	San Tin Highway, south bound, adjacent to footbridge near Casa Paradizo
20.	San Tin Highway, north bound, adjacent to Royal Palms
21.	San Tin Highway, south bound, adjacent to Pok Wai
22.	San Tin Highway, north bound, adjacent to Pok Wai
23.	Tolo Highway, west bound, adjacent to Ha WunYiu
24.	Fanling Highway, north bound, adjacent to Tai Hang
25.	Fanling Highway, north bound, adjacent to Kiu Tau
26.	Fanling Highway, north bound, adjacent to Ka Shing Court
27.	Tuen Mun Road, north bound, near Tuen Mun Parkland Villas
28.	Tuen Mun Road, south bound, Tuen Yan St, near Mobil Oil Station
29.	North Lantau Highway, west bound, Pak Mong, near chainage 3.6
30.	North Lantau Highway, west bound, Tai Ho Wan, near chainage 6.4
31.	Tai Po Road-Shatin, west bound, near New Town Plaza,
32.	Tai Po Road-Shatin, west bound, near Shatin Police Station
33.	Tolo Highway, south bound, under the Route 6 Flyover
34.	Tai Po Road-Shatin, east bound, opposite Racecourse
35.	Tai Po Road-Shatin, west bound, near Racecourse
36.	Hoi On Road, north bound, adjacent to Belvedere Garden
37.	Island Eastern Corridor, to Chai Wan direction, near L/P 43794 & Hoi Yu Street
38.	Island Eastern Corridor, to Chai Wan direction, near EHT entrance L/P 43794

No.	Location
39.	Island Eastern Corridor, to Chai Wan direction, near L/P 30445 & Tung Hei Rd
40.	Island Eastern Corridor, to Causeway direction, near L/P 42883 & A Kung Ngam
41.	Aberdeen Praya Road, west bound, near Aberdeen Wholesale Fish Market
42.	Aberdeen Praya Road, east bound, adjacent to Aberdeen Centre
43.	Pok Fu Lam Road, south bound, adjacent to Yu Chun Keung Memorial College
44.	Gloucester Road, next to The Hong Kong Academy for Performing Arts
45.	Tuen Mun Road, west bound, near Tuen Mun Hospital
46.	Ting Kok Road, north bound, adjacent to AMOY Food Limited
47.	Ting Kok Road, south bound, adjacent to AMOY Food Limited
48.	Yuen Shin Road, south bound, adjacent to Kei Ching School
49.	Ting Kok Road, west bound, adjacent to Lo Tse Tin Tsuen
50.	Lung Fu Road, south bound, near Tuen Mun Golf Centre
51.	Lung Fu Road, south bound, near Tuen Mun Public Riding School
52.	Castle Peak Road, Tai Lam, north bound, adjacent to Tsing Lam Road L/P FC4892
53.	Castle Peak Road, Tai Lam, south bound, adjacent to Tsing Lam Road L/P FA4896
54.	Castle Peak Road, Tai Lam, south bound, adjacent to Seamen's Training Centre L/P FA2027
55.	Shatin Road, north bound, adjacent to Wong Uk Village
56.	Shatin Road, south bound, adjacent to Tsok Pok Hang San Tsuen
57.	Shatin Road, north bound, adjacent to Pok Hong Estate

No.	Location
58.	North Lantau Highway, west bound, near Sham Shui Kok
59.	North Lantau Highway, west bound, near chainage 9.6
60.	North Lantau Highway, west bound, near chainage 1.9
61.	North Lantau Highway, west bound, near chainage 5.4
62.	North Lantau Highway, west bound, near chainage 7.2
63.	Kwai Chung Road, Kowloon bound, adjacent to Hoover Industrial Building
64.	Castle Peak Road, Kwai Chung, north bound, adjacent to Kwai Chung Park
65.	Hoi On Road, south bound, adjacent to Belvedere Garden
66.	Lion Rock Tunnel Road, south bound, opposite to Kak Tin Village
67.	Lion Rock Tunnel Road, north bound, adjacent to Kak Tin Village
68.	Tai Po Road, north bound, adjacent to Woodcrest Hills, No. 8006/K.K. Terrace
69.	Tai Po Road, south bound, adjacent to Garden Villa
70.	Tai Po Road, north bound, adjacent to Shell Station, near L/P EB4066
71.	Tolo Highway, east bound, adjacent to Ma Wo
72.	Tolo Highway, east bound, adjacent to Shui Wan
73.	Fanling Highways, east bound, adjacent to Yin Kong
74.	Fanling Highway North Section, west bound, adjacent to Europa Garden
75.	Tuen Mun Road, west bound, adjacent to Tsing Yung Terrace

Annex B

I. Existing Locations of Red Light Cameras

No.	Location
1.	Hennessy Road / Fleming Road
2.	House No. 137 Pokfulam Road
3.	Java Road / Tong Shui Road
4.	King's Road / Healthy Street Central
5.	King's Road / Cheung Hong Street
6.	King's Road / Tin Chiu Street
7.	No 126 Pokfulam Road
8.	Pokfulam Road / Victoria Road
9.	Austin Road / Nathan Road
10.	Boundary Street / La Salle Road
11.	Boundary Street / Nathan Road
12.	Boundary Street / Tai Hang Tung Road
13.	Chatham Road S / Austin Road
14.	Chatham Road / Granville Road
15.	Cheung Sha Wan Road / Butterfly Valley Road
16.	Hip Wo Street / Yuet Wah Street (Lower Junction)
17.	Lai Chi Kok Road / Tonkin Street
18.	Nathan Road / Humphreys Avenue
19.	Nathan Road / Argyle Street
20.	Nathan Road / Dundas Street.
21.	Nathan Road / Gascoigne Road
22.	Nathan Road / Jordan Road
23.	Nathan Road / Mongkok Road
24.	Nathan Road / Waterloo Road
25.	Princess Margaret Road / Argyle Street
26.	Shanghai Street / Kansu Street
27.	Tai Kok Tsui Road / Pok Man Street
28.	Wang Chiu Road / Sheung Yee Road
29.	Waterloo Road / Junction Road
30.	Cheung Sha Wan Road / Tonkin Street
31.	Prince Edward Road West / Sai Yee Street
32.	Castle Peak Road / Ma Wang Road / Wang Tat Road

No.	Location
33.	Castle Peak Road / On Lok Road
34.	Castle Peak Road / San Hui Path
35.	Castle Peak Road / Tai Chung Road
36.	Jockey Club Road / Lung Sum Av
37.	Lung Mun Road / Access to San Shek Wan Village
38.	Lung Mun Road / Wu Chui Road
39.	Ming Kum Road / Ting King Road / Tsing Tin Road
40.	Pui To Road / LRT Reserve near Nullah
41.	Tsing Lun Road / Fu Tei Roundabout
42.	Tsing Wun Road / Hing Choi Street
43.	Tsing Wun Road / Ming Kum Road / Pui To Road
44.	Tsun Wen Road / Tai Fong Street / Tsing Chung Koon Road
45.	Tuen Mun Heung Sze Wui Road / Hoi Chu Road
46.	Wu Shan Road / Wu King Road
47.	Ming Kum Road / Shan King Estate Road
48.	Castle Peak Road / Hung Shui Kiu Main Street
49.	Castle Peak Road / Ping Ha Road
50.	Castle Peak Road (Castle Peak Bay) / Tuen Hing Road

II. Additional Locations of Red Light Cameras

No.	Location
1.	Connaught Road C / Hillier Street
2.	Des Voeux Road West (Wing Lok Street) / Connaught Road W
3.	Queen's Road East / Queensway
4.	Shing Sai Road / Sai Cheung Street North
5.	Wing Hing Street / Electric Road
6.	Hing Fat Street / Victoria Park Road
7.	Cha Kwo Ling Road / Lei Yue Mun Road
8.	Choi Hung Road / Tseuk Luk Street
9.	Clear Water Bay (lower) / New Clear Water Bay Road
10.	Hong Ning Road / Shung Yan Street
11.	New Clear Water Bay Road / Clear Water Bay (lower)
12.	Po Lam Road North / Yau Yue Wan Village Road
13.	Wai Yip Street / Shun Yip Street
14.	Wang Chiu Road / Cheung Yip Street (Hoi Bun Road)
15.	Choi Hung Road / Sze Mei Street
16.	Po Hong Road / Wan Hang Road
17.	Po Kong Village Road / Fung Tak Road
18.	Sau Mau Ping Road / Sau Ming Road
19.	Shun Lee Tsuen Road / Sau Mau Ping Road
20.	Kwun Tong Road / Elegance Road
21.	Lei Yue Mun Road / Wai Fat Street
22.	Cheung Sha Wan Road / Cheung Wah Street
23.	Argyle Street / Tin Kwong Road
24.	Canton Road / Kansu Street
25.	Chatham Road / San Lau Street
26.	Cheung Sha Wan Road / Wong Chuk Street
27.	Jordan Road / Cox's Road
28.	Kowloon Park Drive / Canton Road
29.	Prince Edward Road West / Lai Chi Kok Road
30.	Nathan Road / Prince Edward Road West
31.	To Kwa Wan Road / Lok Shan Road
32.	Waterloo Road / Lancashire Road
33.	Waterloo Road / Rutland Quadrant
34.	Cheung Sha Wan Road / Cheung Wah Street

No.	Location
35.	Sai Yee Street / Mong Kong Road
36.	Ma Tau Wai Road / Chi Kiang Street
37.	Nam Cheong Street / Un Chau Street
38.	Nathan Road / Granville Road
39.	Tai Po Road / Castle Peak Road
40.	To Kwa Wan Road / Mok Cheong Street
41.	Ma Tau Chung Road / Fu Ning Street
42.	Wuhu Street / Gillies Avenue South
43.	Argyle Street / Lomond Road
44.	Jordan Road / Shanghai Street
45.	To Kwa Wan Road / Chi Kiang Street
46.	Ma Tau Wai Road / Tam Kung Road
47.	Hung Hom Road / Tak Man Street
48.	Prince Edward Road West / Junction Road
49.	Berwick Street / Nam Cheong Street
50.	Waterloo Road / Reclamation Street
51.	Lai Chi Kok Road / Tonkin Street
52.	Ting Kok Road / Ting Tai Road
53.	Wang Tat Road / Ma Miu Road
54.	Castle Peak Road - Tai Lam / Lok Chui Street
55.	Castle Peak Road - Castle Peak Bay / Hoi Wing Road
56.	Ting Kok Road / Dai Kwai Street
57.	Tai Po Road - Tai Wai / Shing Chuen Road
58.	Tai Chung Kiu Road / Sha Tin Wai Road
59.	Hing Fong Road / Wing Fong Road
60.	Sha Tsui Road / Ham Tin Street