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**For Information
16 September 2015**

LanDAC TTSC Paper No. 14/2015

**Lantau Development Advisory Committee
Traffic and Transport Subcommittee**

**Progress of Narrow Bend Improvement Works at Keung Shan Road
and South Lantau Road in Lantau**

Objective

This paper is to brief Members on the progress of the narrow bend improvement works at Keung Shan Road and South Lantau Road.

Project Scope for Narrow Bend Improvement Works at Keung Shan Road and South Lantau Road

2. Keung Shan Road and South Lantau Road are public roads in southwestern region of Lantau Island. These two roads are about 4.4 km and 15.0 km long respectively and about 6.8 m wide. Over the past few years, the Government has committed to improving the traffic situation of these two roads, and has been implementing a number of road improvement works at Keung Shan Road and South Lantau Road.

3. There are steep slopes, roadside trees and underground facilities on both sides of Keung Shan Road, and also most of the bend improvement works fall within the Lantau Country Park area. Therefore the design and implementation of works encounter lots of technical problems. To minimize the impact on roadside trees and natural environment, it is necessary to implement the bend improvement works cautiously. After detailed investigation, we plan to widen 11 road bends (K1-K11) at Keung Shan Road and 5 road bends (S1-S5) at South Lantau Road.

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4. On 19 May 2015, Transport Department and Highways Department jointly conducted a site visit together with Members, District Councillors, three Chairpersons of South Lantau, Tai O and Mui Wo Rural Committees and Representative of New Lantau Bus Company for the bend improvement works at Keung Shan Road and South Lantau Road. After the site visit, the Chairpersons of Rural Committees and Representative of New Lantau Bus Company suggested to include five additional narrow bends for improvement.

5. The locations of bend improvement works at Keung Shan Road (K1–K16) and South Lantau Road (S1-S5) are shown in **Annex A** and **Annex B**.

Programme and Cost Estimate of Bend Improvement Works

6. Of the 16 bend widening works at Keung Shan Road, eight road bends were completed. The progress of the remaining bends improvement works are as follows:

- K1 - Bend improvement works are ongoing and will be completed by end September 2015.
- K4 - Relocation of underground utilities and affected trees are in progress, the bend improvement works will commence in mid-2016 for completion by early 2017.
- K10 - The slope work for bend widening at K10 falls within the designated projects listed in Schedule 2 of Environmental Impact Assessment Ordinance (EIAO), and environmental assessment is required. The ground investigation work in the slope was commenced in July 2015. The bend improvement work will be expected to start in end 2017 for completion in 2019. A working group comprising representatives from Environmental Protection Department (EPD), Agriculture and Fisheries Conservation Department and Highways Department was set up in August 2015 to explore various issues on environmental assessment. The application for permission to apply

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directly for Environmental Permit was recommended by the working group. If the direct application is acceptable by EPD, the construction work will advance to commence in end 2016 for completion within the first half of 2018.

- K12 to K16 – The preparation works for engineering design, utilities survey and tree assessment of the five new bends improvement works recommended in May 2015 are in progress. These five new bends improvement works will be completed by stages starting from 2017 (see **Annex C** for Bends K12 – K16 at Keung Shan Road).

7. Of the 5 bend widening works at South Lantau Road, two were completed in late 2014. The other three bend improvement works are as follows:

- S1 - Utilities survey and tree assessment are being carried out. It is anticipated that the bend improvement works shall commence in mid-2016 for completion by end 2016.
- S2 - The bend improvement work was completed in August 2015.
- S4 - The detailed design of bend improvement work at S4 was completed. The construction work will commence in September 2015 for completion by end 2015.

Conclusion

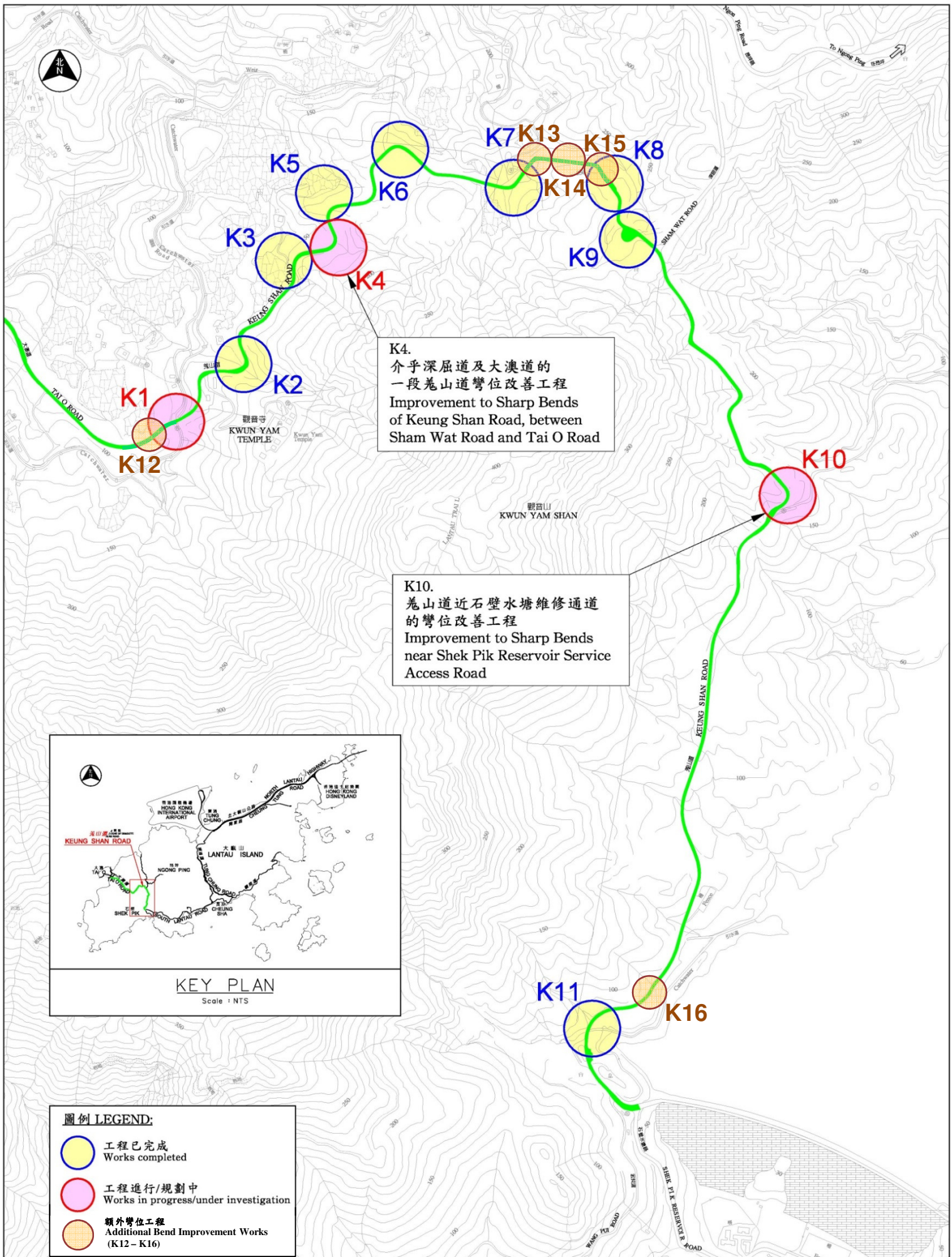
8. Upon completion of the narrow bend improvement works at Keung Shan Road and South Lantau Road, the roads will be able to meet the anticipated traffic demand. The Government will continue to monitor the traffic situation of these two roads. If there is new traffic demand arising from major development projects, the Government will make use of these opportunities to consider the need for comprehensive widening and straightening of relevant roads and associated road improvement works.

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Advice Sought

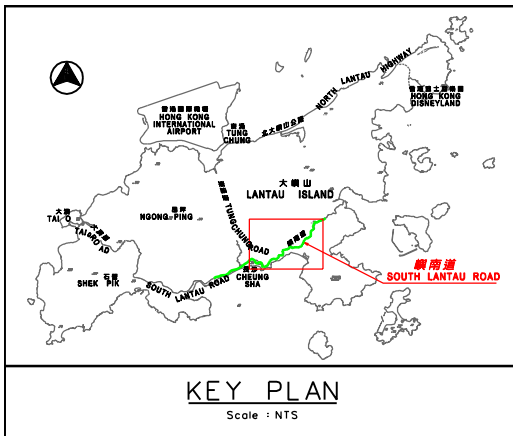
9. Members are invited to note the progress of the narrow bend improvement works at Keung Shan Road and South Lantau Road.

Highways Department
September 2015

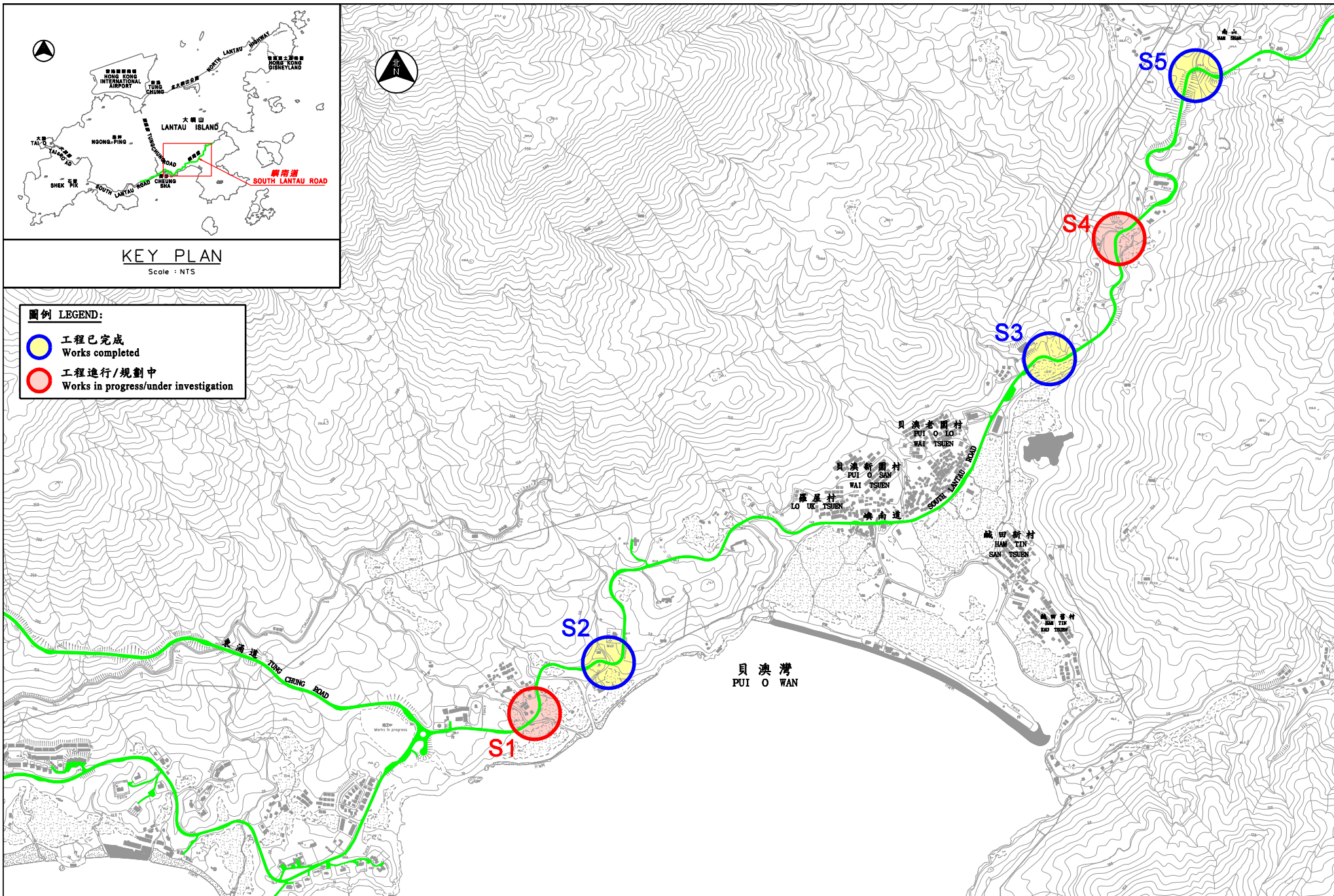


附件A – 菟山道彎位改善工程 (K1-K16)

Annex A – Bend Improvement Works of Keung Shan Road (K1-K16)



- 圖例 LEGEND:**
- 工程已完成
Works completed
 - 工程進行/規劃中
Works in progress/under investigation



附件B - 嶼南道彎位改善工程
Annex B - Bend Improvement Works at South Lantau Road

羗山道 K12 至 K16 路彎改善工程計劃
(Keung Shan Road K12 – K16 Bend Improvement Works)

路彎 K12 改善工程 (K12 Bend Improvement Works)

項目 (Item)	工程計劃 (Schedule of Works)	時間表 (Programme)
1	(a) 檢查橋樑的結構 (Review structural adequacy of the bridge structure); (b) 進行搬遷防撞欄的設計 (Prepare design for the proposed relocation of crash barrier); (c) 審查搬遷公共設施的可行性 (Review the feasibility of UU diversion)	2015Q3 - 2016 Q3
2	(a) 申請道路開挖許可 (Application of Excavation Permit) (b) 進行搬遷公共設施 (UU diversion)	2016 Q4 - 2017 Q2
3	(a) 搬遷防撞欄及擴闊路面 (Crash barrier relocation works and road widening)	2017 Q2 - 2017 Q3

路彎 K13 至 K15 改善工程 (K13 – K15 Bend Improvement Works)

項目 (Item)	工程計劃 (Schedule of Works)	時間表 (Programme)
1	(a) 地形測量, 樹木調查及檢索公共設施記錄 (Topographic survey and tree survey; retrieve UU records)	2015 Q3 – 2015 Q4
2	(a) 樹木評估和補償種植樹木建議 (Tree assessment and preparation of compensatory planting proposal); (b) 進行探井及聯絡公用事業機構進行搬遷公共設施 (Trial pits to locate UUs on site; Liaise with UUs for diversion)	2016 Q1 - 2016 Q2
3	(a) 提交移除樹木申請 (Submission of tree removal application); (b) 申請道路開挖許可及簡易臨時撥地 (Application of Excavation Permit (XP) and Simplified Temporary Land Allocation (STLA))	2016 Q2 - 2016 Q3
4	(a) 移除樹木申請, 道路開挖許可及簡易臨時撥地獲批後, 進行搬遷公共設施 (UU Diversion upon receipt of approval of tree removal application, XP and STLA)	2016 Q3 - 2017 Q1
5	(a) 分段進行擴闊路面工程 (Carriageway widening works by phases)	2017 Q2 - 2018 Q1

路彎 K16 改善工程 (K16 Bend Improvement Works)

項目 (Item)	工程計劃 (Schedule of Works)	時間表 (Programme)
1	(a) 審查斜坡的影響 (Review the impact of slope)	2015 Q3 – 2015 Q4
2	(a) 地形測量，樹木調查及檢索公共設施記錄 (Topographic survey and tree survey; retrieve UU records)	2016 Q1 - 2016 Q2
3	(a) 樹木評估和補償種植樹木建議 (Tree assessment and preparation of compensatory planting proposal) (b) 進行探井及聯絡公用事業機構進行搬遷公共設施 (Trial pits to locate UUs on site; Liaise with UUs for diversion)	2016 Q2 - 2016 Q3
4	(a) 提交移除樹木申請 (Submission of tree removal application) (b) 申請道路開挖許可及簡易臨時撥地 (Application of Excavation Permit (XP) and Simplified Temporary Land Allocation (STLA))	2016 Q3 - 2016 Q4
5	(a) 移除樹木申請，道路開挖許可及簡易臨時撥地獲批後，進行搬遷公共設施(UU Diversion upon receipt of approval of tree removal application, XP and STLA)	2016 Q4 - 2017 Q2
6	(a) 進行擴闊路面工程(Carriageway widening works)	2017 Q3 - 2017 Q4