Appendix 14.2 – Summary of Environmental Impacts

Sensitive Receivers / Assessment Points	Impact Prediction Results (Without Mitigation)	Key Relevant Standards/Criteria	Extents of Exceedance (Without Mitigation)	Impact Avoidance Measures / Mitigation Measures	Residual Impacts (After Implementation of Mitigation Measures)
Air Quality Impact					
Construction Impact					
Representative existing residential, commercial developments and government uses within 500m from the boundary of the Project Site.	• No adverse dust impact from construction activities considering the small scale of the project, and works will be undertaken at multiple work fronts at different construction periods. • No adverse air quality impact from fuel combustion from use of Powered Equipment (PME) in view of Air Pollution Control (Non-Road Mobile Machinery) (Emission) Regulation.	• Annexes 4 and 12 of the EIAO-TM • Air Quality Objectives (AQO)	• N/A	The approved non-road mobile machinery (NRMMs) under NRMM Regulation (excluding exempted NRMMs) would be used on site and NRMMs supplied with mains electricity instead of diesel-powered should be adopted as far as possible to minimize the potential emission from NRMMs. Dust suppression measures and good site practices: • Use of regular watering to reduce dust emissions from exposed site surfaces and unpaved roads, particularly during dry weather. • Use of frequent watering for particularly dusty construction areas and areas close to ASRs. • Side enclosure and covering of any aggregate or dusty material storage	• No adverse residual impacts anticipated.

Sensitive Receivers / Assessment Points	Impact Prediction Results (Without Mitigation)	Key Relevant Standards/Criteria	Extents of Exceedance (Without Mitigation)	Impact Avoidance Measures / Mitigation Measures	Residual Impacts (After Implementation of Mitigation Measures)
				piles to reduce emissions. Where this is practicable owing to frequent usage, watering shall be applied to aggregate fines. • Open stockpiles shall be avoided or covered. Where possible, prevent placing dusty material storage piles near ASRs. • Tarpaulin covering of all dusty vehicle loads transported to, from and between site locations. • Establishment and use of vehicle wheel and body washing facilities at the exit points of the site. • Provision of wind shield and dust extraction units or similar dust mitigation measures at the loading area of barging point, and use of water sprinklers at the loading area where dust generation is likely during the loading process of loose material, particularly in dry seasons/ periods. • Provision of not less than 2.4m high hoarding from	

Sensitive Receivers / Assessment Points	Impact Prediction Results (Without Mitigation)	Key Relevant Standards/Criteria	Extents of Exceedance (Without Mitigation)	Impact Avoidance Measures / Mitigation Measures	Residual Impacts (After Implementation of Mitigation Measures)
				ground level along site boundary where adjoins a road, streets or other accessible to the public except for a site entrance or exit. • Imposition of speed controls for vehicles on site haul roads. • Where possible, routing of vehicles and positioning of construction plant should be at the maximum possible distance from ASRs. • Instigation of an environmental monitoring and auditing program to monitor the construction process in order to enforce controls and modify method of work if dusty conditions arise. • Locate all the dusty activities away from any nearby ASRs as far as practicable. • Erect higher hording at the location with ASRs in immediate proximity to the project site boundary.	

Sensitive Receivers / Assessment Points	Impact Prediction Results (Without Mitigation)	Key Relevant Standards/Criteria	Extents of Exceedance (Without Mitigation)	Impact Avoidance Measures / Mitigation Measures	Residual Impacts (After Implementation of Mitigation Measures)
				• All malodorous materials shall be placed as far as possible from any ASRs. • The stockpiled malodorous materials shall be covered entirely by plastic tarpaulin sheets. • The malodorous materials shall be removed from site as soon as possible and shall not be stockpiled overnight at the site. • Loading of the malodorous materials onto the dump trucks shall be controlled to avoid spillage.	
Operation Impact					
Existing and planned residential, commercial developments and government uses within 500m from the boundary of the Project Site.	**NO_2** • 1-hr average conc :108-191 µg/m^3. • Annual average conc :14.07 - 41.52 µg/m^3. • For the ASRs with exceedance of AQO for the annual NO_2, there would be a decrease in annual average NO_2 concentration compared to the "Without Project" Scenario. **RSP** • 24-hr average conc :59 - 63	**NO_2** • 1-hr average conc :200 µg/m^3 (Number of exceedances allowed: 18). • Annual average conc :40 µg/m^3. **RSP** • 24-hr average conc :100 µg/m^3 (Number of exceedances allowed: 9). • Annual average conc :50 µg/m^3.	• N/A	• No adverse air quality impact is anticipated during the operation phase of the Project, thus mitigation measure is deemed not necessary.	• No adverse residual impacts anticipated.

Sensitive Receivers / Assessment Points	Impact Prediction Results (Without Mitigation)	Key Relevant Standards/Criteria	Extents of Exceedance (Without Mitigation)	Impact Avoidance Measures / Mitigation Measures	Residual Impacts (After Implementation of Mitigation Measures)
	µg/m^3. • Annual average conc :26 - 29 µg/m^3. **FSP** • 24-hr average conc :32 - 35 µg/m^3. • Annual average conc :14 - 17 µg/m^3.	**FSP** • 24-hr average conc :50 µg/m^3 (Number of exceedances allowed: 18). • Annual average conc :25 µg/m^3.			
Noise Impact					
Construction Impact					
Representative existing noise sensitive developments (e.g. residential and educational) within 300m from the boundary of the Project Site.	• 63-92 dB(A)	• Annexes 5 and 13 of the EIAO-TM • $Leq_{(30\ min)}$ 75dB(A) at 1m from the façade of residential dwellings • $Leq_{(30\ min)}$ 70dB(A) at 1m from the façade of educational institutions which rely on openable window for ventilation ($Leq_{(30min)}$ 65dB(A) during examinations).	• 0-17 dB(A)	• Quality PME prescribed in EPD's Quality Powered Mechanical Equipment (QPME) database. • Temporary movable noise barriers, full enclosure for PME. • Good site practices - Only well-maintained plant should be operated on site and plant should be serviced regularly. - Silencers or mufflers on construction plant should be utilized and should be properly maintained. - Mobile plant should be sited as far away from sensitive uses as	• No adverse residual impacts anticipated.

Sensitive Receivers / Assessment Points	Impact Prediction Results (Without Mitigation)	Key Relevant Standards/Criteria	Extents of Exceedance (Without Mitigation)	Impact Avoidance Measures / Mitigation Measures	Residual Impacts (After Implementation of Mitigation Measures)
				possible. - Machines and plant that may be in intermittent use should be shut down between works periods or should be throttled down to a minimum. - Plant known to emit noise strongly in one direction should, where possible, be orientated so that noise is directed away from the nearby sensitive uses. - Material stockpiles and other structures should be effectively utilized to screen noise from on-site construction activities.	
Operation Impact					
Representative existing and planned residential developments, educational institutions, etc. within 300m from the boundary of the Project Site	• Predicted overall noise levels: 54 – 85 dB(A) • Predicted noise levels of the Project roads: 0 – 75 dB(A) • Contribution from Project roads: 0 – 13 dB(A)	• Annexes 5 and 13 of the EIAO-TM • $L_{10(1\ hour)}$ 70dB(A) at 1m from the façade of residential dwellings • 65 dB(A) at 1 m from the external façades of schools, places of public worship, courts of law, places where unaided voice communication is required.	• Exceedance of the noise criteria by up to 16.0 dB(A) • The exceedances are dominantly contributed by the existing roads at some Representative NSRs, while at some other Representative NSRs, the	Low Noise Road Surfacing (for "with Slip Road C" Option): • Approx. 205m at Tsing Tsuen Road. Proposed Noise Barriers and Enclosures: • Approx. 100m of 6.5m High with 3.5m Cantilever (at 45 degrees) Barrier (N1). • Approx. 94m Full-Enclosure (FE1). • Approx 177m Full-Enclosure	• No adverse residual impacts anticipated.

Sensitive Receivers / Assessment Points	Impact Prediction Results (Without Mitigation)	Key Relevant Standards/Criteria	Extents of Exceedance (Without Mitigation)	Impact Avoidance Measures / Mitigation Measures	Residual Impacts (After Implementation of Mitigation Measures)
			exceedances are dominantly contributed by Project Roads	(FE2). • Approx. 470m Semi-Enclosure (SE1). Additional mitigation measures ("with Slip Road C" Option): • Approx 35m of 4.5m High Vertical Barrier (N2). • Approx. 270m Semi-Enclosure (SE2). • Approx. 70m Semi-Enclosure (SE3). • Approx. 500m Semi-Enclosure (SE4).	
Water Quality Impact					
Construction Impact					
Representative WSRs within 500m from the boundary of the Project Site	The potential sources of water quality impact associated with the construction works include: • Wastewater from general construction activities • Construction site run-off • Construction work at modified watercourses in the east and west of Tsuen Tsing Interchange, plus nearby Kwai Chung Park	• Annexes 6 and 14 of the EIAO-TM • Water Quality Objectives for the Western Buffer and Victoria Harbour (Phase One) WCZs • Technical Memorandum on Standards for Effluents Discharged into Drainage and Sewerage Systems, Inland and Coastal Waters (TM-DSS)	• N/A	• Mitigation measures and good site practices in ProPECCPN 1/94 "Construction Site Drainage • Practices in ETWB TC (Works) No. 5/2005 "Protection of natural streams / rivers from adverse impacts arising from construction works" • Waste Disposal Regulation	• No adverse residual impacts anticipated

Sensitive Receivers / Assessment Points	Impact Prediction Results (Without Mitigation)	Key Relevant Standards/Criteria	Extents of Exceedance (Without Mitigation)	Impact Avoidance Measures / Mitigation Measures	Residual Impacts (After Implementation of Mitigation Measures)
	• Sewage effluent from construction workforce • Accidental spillage of chemicals	• Practical Note for Professional Persons (ProPECC) PN 1/94 • Environmental, Transport and Works Bureau (ETWB) Technical Circular (Works) No. 5/2005 • Water Supplies Department (WSD) Water Quality Criteria (for flushing water intake)		• Provision of interim treatment facilities, such as chemical toilets, for construction workforce	
Operation Impact					
Representative WSRs within 500m from the boundary of the Project Site	Potential water quality impacts associated with the operation phase include: • Non-point source surface run-off from new impervious areas	• Annexes 6 and 14 of the EIAO-TM • Water Quality Objectives for the Western Buffer and Victoria Harbour (Phase One) WCZs • Technical Memorandum on Standards for Effluents Discharged into Drainage and Sewerage Systems, Inland and Coastal Waters (TM-DSS) • ProPECC PN 5/93	• N/A	• Adequate design in silt trap for the new road drainage which take into account the guidelines in ProPECC PN 5/93. • Best Storm Water Management Practices and Storm Water Pollution Control Plan to reduce non-point source pollution.	• No adverse residual impacts anticipated

Sensitive Receivers / Assessment Points	Impact Prediction Results (Without Mitigation)	Key Relevant Standards/Criteria	Extents of Exceedance (Without Mitigation)	Impact Avoidance Measures / Mitigation Measures	Residual Impacts (After Implementation of Mitigation Measures)
Waste Management Implications					
Construction Impact					
C&D materials, excavated land-based sediment, chemical wastes and general refuse	• Around 900m^3 of non-inert C&D materials (of which 800m^3 will be reused) and 17,860m^3 of inert C&D materials (of which 10,000m^3 will be reused) will be generated from demolition of existing parapets, site clearance/set-up/plant mobilization, piling works, pile cap/pier/abutment construction, falsework/deck construction, and drainage and pavement construction. • Around 2,100m^3 of excavated land-based sediment expected to be generated from construction of new bridge piers for modification of existing TWR viaduct and new supporting columns for proposed noise enclosures. • Small quantity of chemical wastes in the order of a few cubic meters per month. • Around 65kg per day of general refuse will be generated from	• Annexes 7 and 15 of the EIAO-TM. • Waste Disposal Ordinance (Cap. 354) • Waste Disposal (Charges for Disposal of Construction Waste) Regulation (Cap. 354N) • Land (Miscellaneous Provisions) Ordinance (Cap. 28) • Public Health and Municipal Services Ordinance – Public Cleansing and Prevention of Nuisances Regulation (Cap. 132BK)	• N/A	• Implementation of good site practices, waste reduction measures and proper storage, collection and transportation of waste.	• No adverse residual impact anticipated.

Sensitive Receivers / Assessment Points	Impact Prediction Results (Without Mitigation)	Key Relevant Standards/Criteria	Extents of Exceedance (Without Mitigation)	Impact Avoidance Measures / Mitigation Measures	Residual Impacts (After Implementation of Mitigation Measures)
	construction works and on-site staff and workers.				
Operation Impact					
N/A	• It is expected that no waste will be generated during the operation phase of the Project.	• N/A	• N/A	• No mitigation measures to be provided as the Project would not cause adverse impacts.	• No adverse residual impact anticipated
Land Contamination					
Onsite construction workers and future occupants	• No land contamination impact arising from the Project is anticipated	• Annex 19 of the EIAO-TM • Guidance Note for Contaminated Land Assessment and Remediation (EPD, 2007) • Practice Guide for Investigation and Remediation of Contaminated Land (EPD, 2011) • Guidance Manual for Use of Risk-based Remediation Goals for Contaminated Land Management (EPD, 2007)	• N/A	• As no land contamination impact arising from the Project is anticipated, no mitigation measures were considered necessary.	• No residual impact is anticipated.
Landfill Gas Hazard					
Construction Phase					
Workers in excavations or temporary offices, stores, etc (those directly in contact	• Landfill gas can present a number of potential hazards if not adequately controlled.	• Annex 7 and Annex 19 of the TM	• Areas within the waste boundary and	• Undertaking of a landfill gas monitoring programme with implementation of actions in	• No residual impacts are anticipated.

Sensitive Receivers / Assessment Points	Impact Prediction Results (Without Mitigation)	Key Relevant Standards/Criteria	Extents of Exceedance (Without Mitigation)	Impact Avoidance Measures / Mitigation Measures	Residual Impacts (After Implementation of Mitigation Measures)
with the ground) sited within the landfill consultation zone during construction or future operational maintenance.	Landfill gas has the potential to cause asphyxiation, fire or explosion as it migrates into and accumulates in confined air spaces during excavation and foundation work and/or maintenance of drains or other underground services. Other susceptible locations include site huts and similar poorly ventilated enclosures that exist during construction.	• ProPECC PN 3/96 – Landfill Gas Hazard Assessment for Development Adjacent to Landfill; and • EPD/TR8/97 – Landfill Gas Hazard Assessment Guidance Note.	250m Consultation Zone of GDBL	the event of concentrations meeting thresholds stated in the EM&A manual as referenced from Chapter 8 of the Landfill Gas Hazard Assessment Guidance Note	
Operation Phase					
As above in the event that deep excavations are required for future maintenance	• As above	• Chapter 8 of EPD/TR8/97	• Areas within the waste boundary and 250m Consultation Zone of GDBL	• Implementing measures stated in Chapter 8 of EPD/TR8/97	• No residual impacts are anticipated
Impact on Cultural Heritage					
Construction Impact					
Cultural heritage resources	• No impact would be anticipated during the construction phase.	• Antiquities and Monuments Ordinance (Cap.53); • Environmental Impact Assessment Ordinance (EIAO) (Cap.499) and EIAO-TM Annexes 10 and 19; • Guidance Note on Assessment of Impact on Sites of Cultural Heritage in	• N/A	• No mitigation measures would be required.	• N/A

Sensitive Receivers / Assessment Points	Impact Prediction Results (Without Mitigation)	Key Relevant Standards/Criteria	Extents of Exceedance (Without Mitigation)	Impact Avoidance Measures / Mitigation Measures	Residual Impacts (After Implementation of Mitigation Measures)
		Environmental Impact Assessment Studies; • Hong Kong Planning Standards and Guidelines Chapter 10; • Guidelines for Cultural Heritage Impact Assessment			
Operation Impact					
Cultural heritage resources	• No impact would be anticipated during the operation phase.	• Antiquities and Monuments Ordinance (Cap.53); • Environmental Impact Assessment Ordinance (EIAO) (Cap.499) and EIAO-TM Annexes 10 and 19; • Guidance Note on Assessment of Impact on Sites of Cultural Heritage in Environmental Impact Assessment Studies; • Hong Kong Planning Standards and Guidelines Chapter 10; • Guidelines for Cultural Heritage Impact Assessment	• N/A	• No mitigation measure would be required.	• N/A

Sensitive Receivers / Assessment Points	Impact Prediction Results (Without Mitigation)	Key Relevant Standards/Criteria	Extents of Exceedance (Without Mitigation)	Impact Avoidance Measures / Mitigation Measures	Residual Impacts (After Implementation of Mitigation Measures)
Landscape and Visual					
Construction Impact					
Landscape Resources (LRs)	• Moderate landscape impact on LR 4.1 (Tsuen Wan Park), LR 4.4 (Kwai Chung Park), LR 4.5 (Kwai Shun Street Playground). • Slight/moderate landscape impact on LR 1 (Vegetation on Slope and Roadside Planting). • Insubstantial landscape impact on LR 2 (Vegetation within G/IC Site), LR 3 (Waterbody in Rambler Channel), LR 4.2 (Tsuen Wan Promenade and Tsuen Wan Riviera Park), LR 4.3 (Other Open Spaces in Tsuen Wan), LR 4.6 (Other Open Spaces in Kwai Tsing), LR 5 (Landscape Areas in Residential Development in Tsuen Wan).	• Annexes 10 and 18 of the EIAO-TM • Environmental Impact Ordinance Guidance Note 8/2010	• N/A	• Preservation of Existing Vegetation • Transplanting of Affected Trees • Control of Night-time Lighting Glare • Erection of Decorative Screen Hoarding • Management of Construction Activities and Facilities • Reinstatement of Temporarily Disturbed Landscape Areas	• Slight/moderate landscape impact on LR 4.1, LR 4.4, LR 4.5. • Insubstantial/slight landscape impact on LR 1. • Insubstantial landscape impact on LR 2, LR 3, LR 4.2, LR 4.3, LR 4.6, LR 5.
Landscape Character Areas (LCAs)	• Moderate landscape impact on LCA 1 (Transportation Corridor Landscape LCA), LCA 5.1 (Tsuen Wan Park Urban Landscape LCA), LCA 5.2 (Kwai Chung Park Urban Landscape LCA). • Slight/moderate landscape impact on LCA2.2 (Kwai Cung Industrial Urban Landscape	• Annexes 10 and 18 of the EIAO-TM • Environmental Impact Ordinance Guidance Note 8/2010	• N/A	• Preservation of Existing Vegetation • Transplanting of Affected Trees • Control of Night-time Lighting Glare • Erection of Decorative Screen Hoarding	• Slight/moderate landscape impact on LCA 1, LCA 5.1, LCA 5.2. • Insubstantial/slight landscape impact on LCA 2.2, LCA 4.1. • Insubstantial landscape impact on LCA 2.1, LCA 3.1, LCA 3.2, LCA 4.2,

Sensitive Receivers / Assessment Points	Impact Prediction Results (Without Mitigation)	Key Relevant Standards/Criteria	Extents of Exceedance (Without Mitigation)	Impact Avoidance Measures / Mitigation Measures	Residual Impacts (After Implementation of Mitigation Measures)
	LCA), LCA 4.1 (Tsuen Wan Miscellaneous Urban Fringe Landscape LCA). • Insubstantial/slight landscape impact on LCA 4.2 (Kwai Chung Muscellaneous Urban Fringe Landscape LCA) • Insubstantial landscape impact on LCA 2.1 (Tsuen Wan Industrial Urban Landscape LCA), LCA 3.1 (Tsuen Wan Residential Urban Landscape LCA), LCA 3.2 (Kwai Chung Residential Landscape LCA), LCA 6 (Mixed Modern Comprehensive Urban Development Landscape LCA), LCA 7 (Cemetery Landscape LCA), LCA 8 (Strait Landscape LCA).				LCA 6, LCA 7, LCA 8.
Visually Sensitive Receivers (VSRs)	• Substantial visual impact on REC-7. • Moderate visual impact on R-4, REC-2, REC-5, GIC-1, GIC-2, GIC-3, GIC-6, T-1, T-6. • Moderate/substantial visual impact on R-7, R-8, O-1, O-2, O-3, O-5, T-2, T-4, T-5. • Slight/moderate visual impact on R-2, R-3, REC-1, O-4. • Insubstantial/slight visual impact on R-1, R-5, REC-3,	• Annexes 10 and 18 of the EIAO-TM • Environmental Impact Ordinance Guidance Note 8/2010	• N/A	• Preservation of Existing Vegetation • Transplanting of Affected Trees • Control of Night-time Lighting Glare • Erection of Decorative Screen Hoarding • Management of Construction Activities and Facilities • Reinstatement of Temporarily	• Moderate/substantial residual visual impact on REC-7. • Moderate residual visual impact on R-7, R-8, O-1, O-2, O-3, O-5, T-2, T-4, T-5. • Slight/moderate residual visual impact on R-4, REC-2, REC-5, GIC-1, GIC-2, GIC-3, GIC-6, T-1, T-6.

Sensitive Receivers / Assessment Points	Impact Prediction Results (Without Mitigation)	Key Relevant Standards/Criteria	Extents of Exceedance (Without Mitigation)	Impact Avoidance Measures / Mitigation Measures	Residual Impacts (After Implementation of Mitigation Measures)
	REC-4. • Insubstantial visual impact on other VSRs.			Disturbed Landscape Areas • Reinstatement of Affected Slopes	• Insubstantial/slight residual visual impact on R-2, R-3, REC-1, O-4. • Insubstantial residual visual impact on other VSRs.
Operation Impact					
Landscape Resources (LRs)	• Moderate landscape impact on LR 4.1 (Tsuen Wan Park), LR 4.4 (Kwai Chung Park), LR 4.5 (Kwai Shun Street Playground). • Slight/moderate landscape impact on LR 1 (Vegetation on Slope and Roadside Planting). • Insubstantial landscape impact on LR 2 (Vegetation within G/IC Site), LR 3 (Waterbody in Rambler Channel), LR 4.2 (Tsuen Wan Promenade and Tsuen Wan Riviera Park), LR 4.3 (Other Open Spaces in Tsuen Wan), LR 4.6 (Other Open Spaces in Kwai Tsing), LR 5 (Landscape Areas in Residential Development in Tsuen Wan).	• Annexes 10 and 18 of the EIAO-TM • Environmental Impact Ordinance Guidance Note 8/2010	• N/A	• Compensatory Planting for Loss of Existing Trees • Landscape Reinstatement and Treatment of Slopes • Maximization of Roadside Planting • Re-provision of Affected Open Space • Visually Pleasing Aesthetic Treatment on Noise Barriers and Noise Enclosures • Aesthetic Pleasing Design for Carriageways and Other Highways Structures	• Slight/moderate residual impact during day 1 of operation and insubstantial/slight residual impact during year 10 of operation on LR 4.1, LR 4.4, LR 4.5. • Insubstantial/slight residual impact during day 1 of operation and insubstantial residual impact during year 10 of operation on LR 1. • Insubstantial residual impact during day1 and year 10 of operation on LR 2, LR 3, LR 4.2, LR 4.3, LR 4.6, LR 5.
Landscape Character Areas (LCAs)	• Moderate landscape impact on LCA 1 (Transportation Corridor Landscape LCA), LCA 5.1 (Tsuen Wan Park Urban Landscape LCA), LCA 5.2	• Annexes 10 and 18 of the EIAO-TM • Environmental Impact Ordinance Guidance Note 8/2010	• N/A	• Compensatory Planting for Loss of Existing Trees • Landscape Reinstatement and Treatment of Slopes • Maximization of Roadside	• Slight/moderate residual impact during day 1 of operation and insubstantial/slight residual impact during

Sensitive Receivers / Assessment Points	Impact Prediction Results (Without Mitigation)	Key Relevant Standards/Criteria	Extents of Exceedance (Without Mitigation)	Impact Avoidance Measures / Mitigation Measures	Residual Impacts (After Implementation of Mitigation Measures)
	(Kwai Chung Park Urban Landscape LCA). • Slight/moderate landscape impact on LCA2.2 (Kwai Cung Industrial Urban Landscape LCA), LCA 4.1 (Tsuen Wan Miscellaneous Urban Fringe Landscape LCA). • Insubstantial/slight landscape impact on LCA 4.2 (Kwai Chung Muscellaneous Urban Fringe Landscape LCA). • Insubstantial landscape impact on LCA 2.1 (Tsuen Wan Industrial Urban Landscape LCA), LCA 3.1 (Tsuen Wan Residential Urban Landscape LCA), LCA 3.2 (Kwai Chung Residential Landscape LCA), LCA 6 (Mixed Modern Comprehensive Urban Development Landscape LCA), LCA 7 (Cemetery Landscape LCA), LCA 8 (Strait Landscape LCA).			Planting • Re-provision of Affected Open Space • Visually Pleasing Aesthetic Treatment on Noise Barriers and Noise Enclosures • Aesthetic Pleasing Design for Carriageways and Other Highways Structures	year 10 of operation on LCA 1, LCA 5.1, LCA 5.2. • Insubstantial/slight residual impact during day 1 of operation and insubstantial residual impact during year 10 of operation on LCA 2.2, LCA 4.1. • Insubstantial residual impact during day 1 and year 10 of operation on LCA 2.1, LCA 3.1, LCA 3.2, LCA 4.2, LCA 6, LCA 7, LCA 8.
Visually Sensitive Receivers (VSRs)	• Substantial visual impact on REC-7. • Moderate visual impact on R-4, REC-2, REC-5, GIC-1, GIC-2, GIC-3, GIC-6, T-1, T-6. • Moderate/substantial visual impact on R-7, R-8, O-1, O-2,	• Annexes 10 and 18 of the EIAO-TM • Environmental Impact Ordinance Guidance Note 8/2010	• N/A	• Compensatory Planting for Loss of Existing Trees • Landscape Reinstatement and Treatment of Slopes • Maximization of Roadside Planting • Re-provision of Affected Open	• Moderate/substantial residual visual impact during day 1 of operation and moderate residual visual impact during year 10 of operation on REC-7. • Moderate residual visual

Sensitive Receivers / Assessment Points	Impact Prediction Results (Without Mitigation)	Key Relevant Standards/Criteria	Extents of Exceedance (Without Mitigation)	Impact Avoidance Measures / Mitigation Measures	Residual Impacts (After Implementation of Mitigation Measures)
	O-3, O-5, T-2, T-4, T-5. • Slight/moderate visual impact on R-2, R-3, REC-1, O-4. • Insubstantial/slight visual impact on R-1, R-5, REC-3, REC-4. • Insubstantial visual impact on other VSRs.			Space • Visually Pleasing Aesthetic Treatment on Noise Barriers and Noise Enclosures • Aesthetic Pleasing Design for Carriageways and Other Highways Structures	impact during day 1 of operation and slight/ insubstantial residual visual impact during year 10 of operation on R-7, R-8, O-1, O-2, O-3, O-5, T-2, T-4, T-5. • Slight/moderate residual visual impact during day 1 of operation and insubstantial/slight residual visual impact during year 10 of operation on R-4, REC-2, REC-5, GIC-1, GIC-2, GIC-3, GIC-6, T-1, T-6. • Insubstantial/slight residual visual impact during day 1 of operation and insubstantial residual visual impact during year 10 of operation on R-2, R-3, REC-1, O-4. • Insubstantial residual visual impact during day 1 and year 10 of operation on other VSRs.