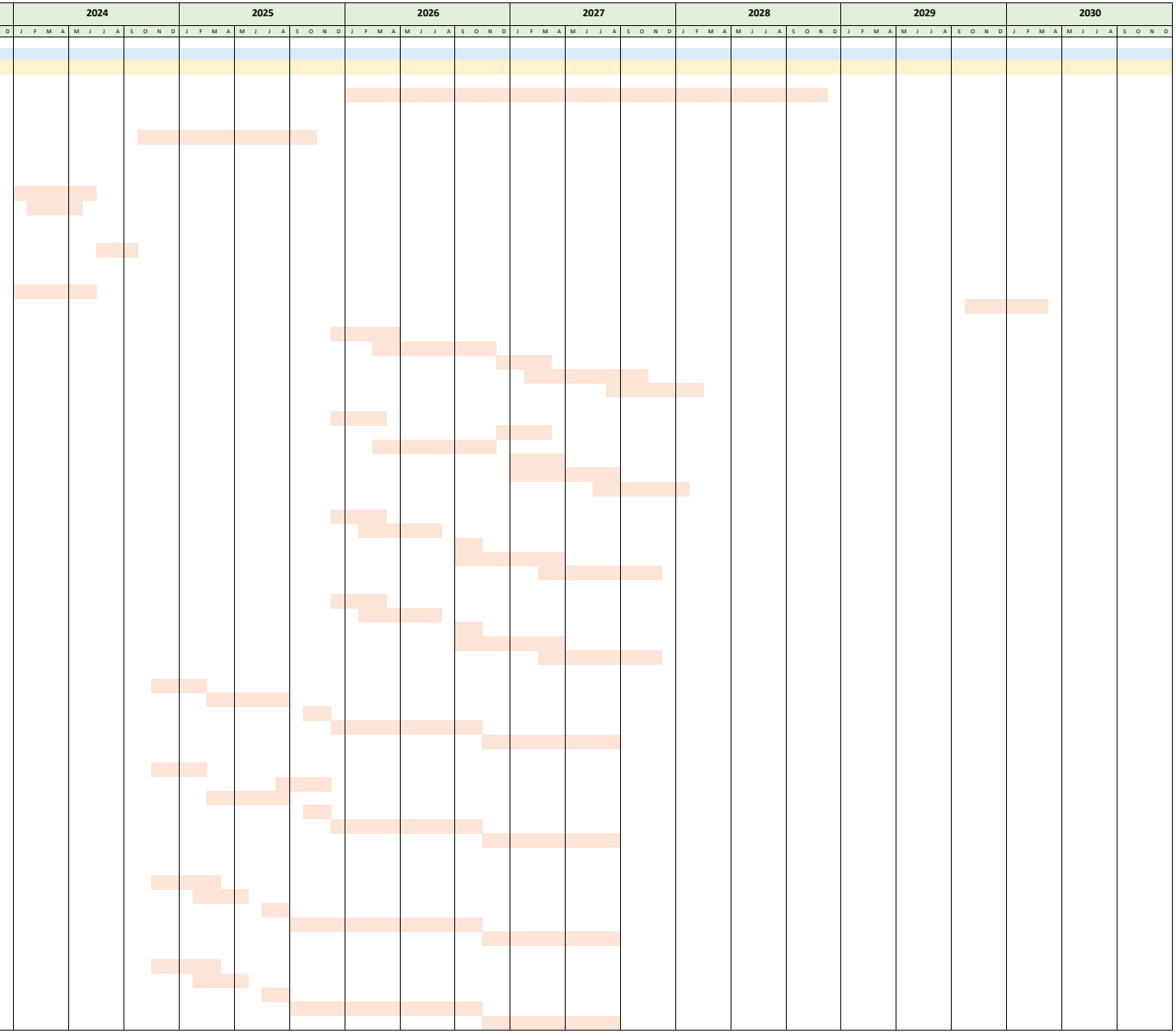
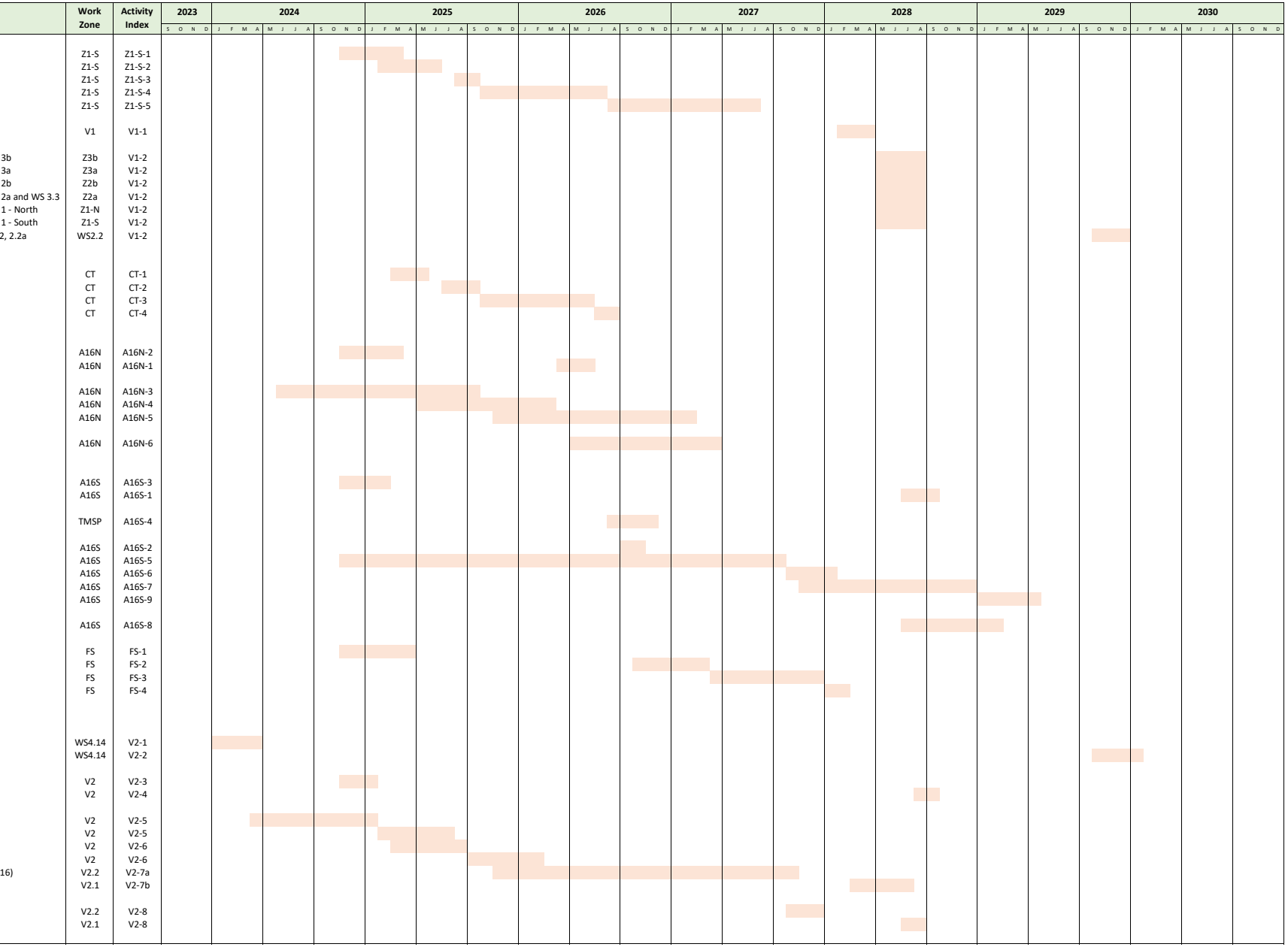
Appendix 2.3 Construction Programme

Activity Name	Work Zone	Activity Index
NEC Contract 1501 (TUM Modification , A16 Station, TRB, Viaducts)		
Civil Construction & Architectural Building Works Finishes		
Delivery		
Precast loading and unloading at Work Zone W2 (northern portion near Hoi Wong Road)	W2	W2-1
TUM Modification		
TUM Station Overrun Modification Works	TUM	TUM
Demolition & Site Clearance		
Pet Garden		
Demolition of Pet Garden and Hoi Wong Road Garden	PG	PG-1
Site Clearance of WS3.5	WS3.5	PG-2
Community Green Site		
Demolition of Community Green Station	WS4.10	WS4.10
Viaducts between TUM & A16		
Site Clearance of WS 2.1, 2.3, 2.4, 2.4a, 2.4b, 2.5, 3.1, 3.2, 3.4, 3.6, 4.2a	W1	W1-1
Reinstatement of WS 2.1, 2.3, 2.4, 2.4a, 2.4b, 2.5, 3.1, 3.2, 3.4, 3.6, 4.2a	W1	W1-2
Zone 3b		
Construction of temporary platform	Z3b	Z3b-1
Piling works	Z3b	Z3b-2
Construction of pile caps	Z3b	Z3b-3
Construction of Pier	Z3b	Z3b-4
Construction of viaduct structure	Z3b	Z3b-5
Zone 3a		
Construction of temporary platform	Z3a	Z3a-1
Construction of temporary bridge	WS2.2	Z3a-6
Piling works	Z3a	Z3a-2
Construction of pile caps	Z3a	Z3a-3
Construction of Piers	Z3a	Z3a-4
Construction of viaduct structure	Z3a	Z3a-5
Zone 2b.1		
Construction of temporary platform	Z2b.1	Z2b-1
Piling Works	Z2b.1	Z2b-2
Construction of pile caps	Z2b.1	Z2b-3
Construction of Pier	Z2b.1	Z2b-4
Construction of viaduct structure	Z2b.1	Z2b-5
Zone 2b.2		
Construction of temporary platform	Z2b.2	Z2b-1
Piling Works	Z2b.2	Z2b-2
Construction of pile caps	Z2b.2	Z2b-3
Construction of Pier	Z2b.2	Z2b-4
Construction of viaduct structure	Z2b.2	Z2b-5
Zone 2a.1		
Construction of temporary platform	Z2a.1	Z2a-1
Piling Works	Z2a.1	Z2a-2
Construction of pile caps	Z2a.1	Z2a-3
Construction of Pier	Z2a.1	Z2a-4
Construcion of viaduct structure	Z2a.1	Z2a-5
Zone 2a.2		
Construction of temporary platform	Z2a.2	Z2a-1
Construction of temporary bridge	WS3.3	Z2a-6
Piling Works	Z2a.2	Z2a-2
Construction of pile caps	Z2a.2	Z2a-3
Construction of Pier	Z2a.2	Z2a-4
Construcion of viaduct structure	Z2a.2	Z2a-5
Zone 1		
Zone 1-North.1		
Construction of temporary platform	Z1-N.1	Z1-N-1
Piling Works	Z1-N.1	Z1-N-2
Construction of pile caps	Z1-N.1	Z1-N-3
Construction of pier	Z1-N.1	Z1-N-4
Construction of viaduct structure	Z1-N.1	Z1-N-5
Zone 1-North.2		
Construction of temporary platform	Z1-N.2	Z1-N-1
Piling Works	Z1-N.2	Z1-N-2
Construction of pile caps	Z1-N.2	Z1-N-3
Construction of pier	Z1-N.2	Z1-N-4
Construction of viaduct structure	Z1-N.2	Z1-N-5



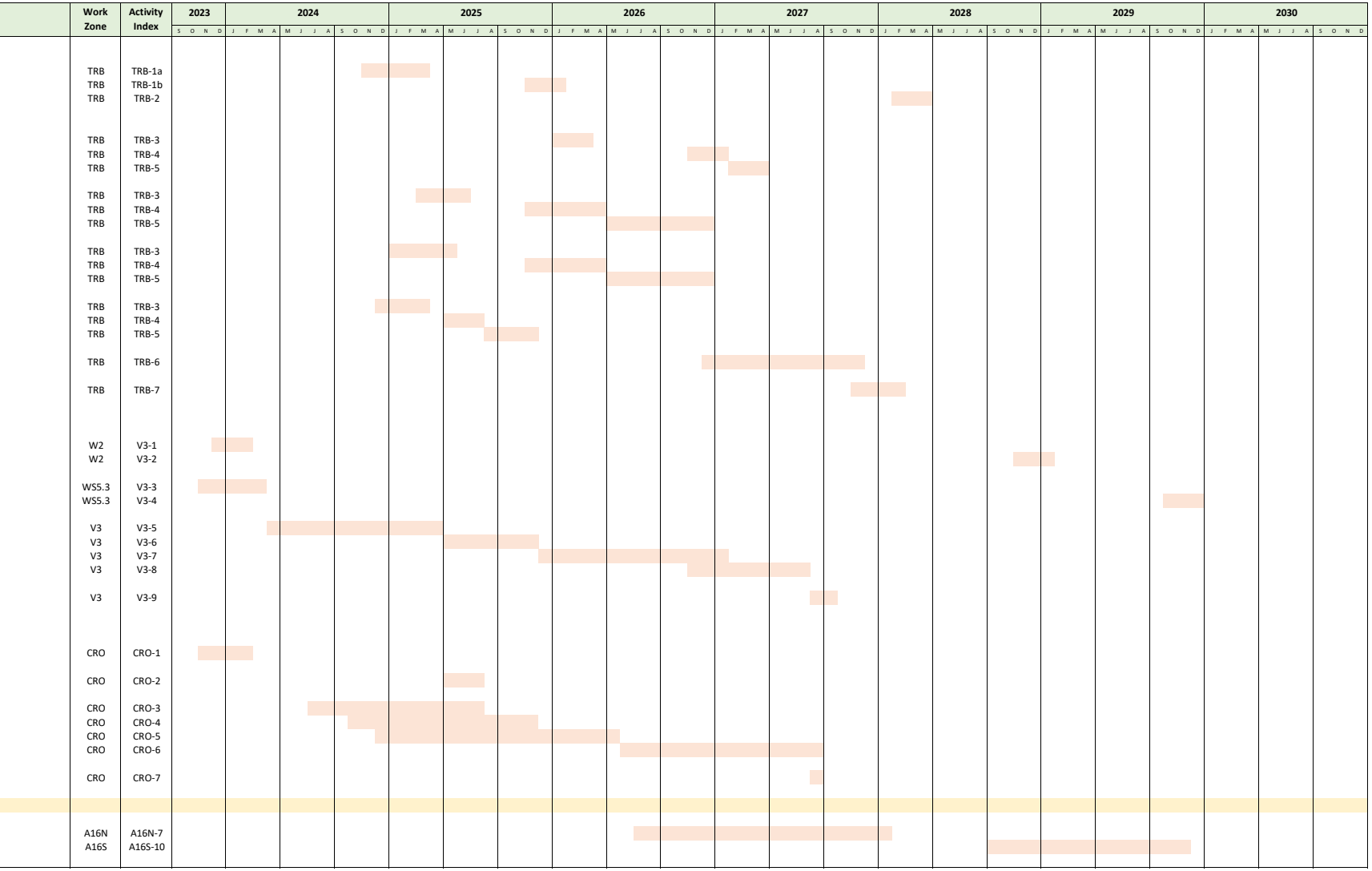
Appendix 2.3 Construction Programme

Activity Name	Work Zone	Activity Index
Zone 1-South		
Construction of temporary platform	Z1-S	Z1-S-1
Piling Works	Z1-S	Z1-S-2
Construction of pile caps	Z1-S	Z1-S-3
Construction of Pier	Z1-S	Z1-S-4
Construction of Viaduct Structure	Z1-S	Z1-S-5
Degree 1 Completion		
ABWF works for Degree 1	V1	V1-1
Removal of Temporary Platform		
Remove upstream and downstream temporary platform at Zone 3b	Z3b	V1-2
Remove upstream and downstream temporary platform at Zone 3a	Z3a	V1-2
Remove upstream and downstream temporary platform at Zone 2b	Z2b	V1-2
Remove upstream and downstream temporary platform at Zone 2a and WS 3.3	Z2a	V1-2
Remove upstream and downstream temporary platform at Zone 1 - North	Z1-N	V1-2
Remove upstream and downstream temporary platform at Zone 1 - South	Z1-S	V1-2
Remove upstream and downstream temporary platform at WS2.2, 2.2a	WS2.2	V1-2
A16 station		
Cooling Tower		
Socketed H-Pile Works	CT	CT-1
Construction of pile cap	CT	CT-2
Construction of Cooling Tower Structure	CT	CT-3
ABWF works for Degree 1	CT	CT-4
A16 Northern (GL10-22)		
Temp Platform		
Construction of temporary platform	A16N	A16N-2
Remove Temporary Platform	A16N	A16N-1
A16 Northern		
Piling Works	A16N	A16N-3
Construction of pile caps	A16N	A16N-4
Construction of Station Structure	A16N	A16N-5
Degree 1 Completion		
ABWF works for Degree 1	A16N	A16N-6
A16 Southern (GL1-10)		
Temp Platform		
Construction of temporary platform	A16S	A16S-3
Remove Temporary Platform	A16S	A16S-1
Demolition of existing swimming pool and plant room		
Demolition of existing swimming pool and plant room	TMSP	A16S-4
A16 Station Southern		
GI Works	A16S	A16S-2
Piling Works	A16S	A16S-5
Construction of pile caps	A16S	A16S-6
Construction of Station Structure	A16S	A16S-7
Other external works	A16S	A16S-9
Degree 1 Completion		
ABWF works for Degree 1	A16S	A16S-8
Feeder Substation		
Socketed H-Pile Works	FS	FS-1
Construction of pile caps	FS	FS-2
Construction of building structures	FS	FS-3
ABWF works for Degree 1	FS	FS-4
Viaducts between A16 & Tuen Mun River Bridge		
Site Clearance and Reinstatement		
Site clearance (incl tree felling works) for WS 4.14	WS4.14	V2-1
Reinstatement for WS 4.14	WS4.14	V2-2
Temporary Platform		
Construction of temporary platform	V2	V2-3
Remove temporary platform	V2	V2-4
Foundation & Piers and Crosshead		
Piling works (Land)	V2	V2-5
Piling works (River)	V2	V2-5
Construction of land pier	V2	V2-6
Construction of river pier	V2	V2-6
Construction of Viaduct structure (excl. last span connecting to A16)	V2.2	V2-7a
Construction of Viaduct structure (last span connecting to A16)	V2.1	V2-7b
Degree 1 Completion		
ABWF works for Degree 1 (excl. last span connecting to A16)	V2.2	V2-8
ABWF works for Degree 1 (last span connecting to A16)	V2.1	V2-8



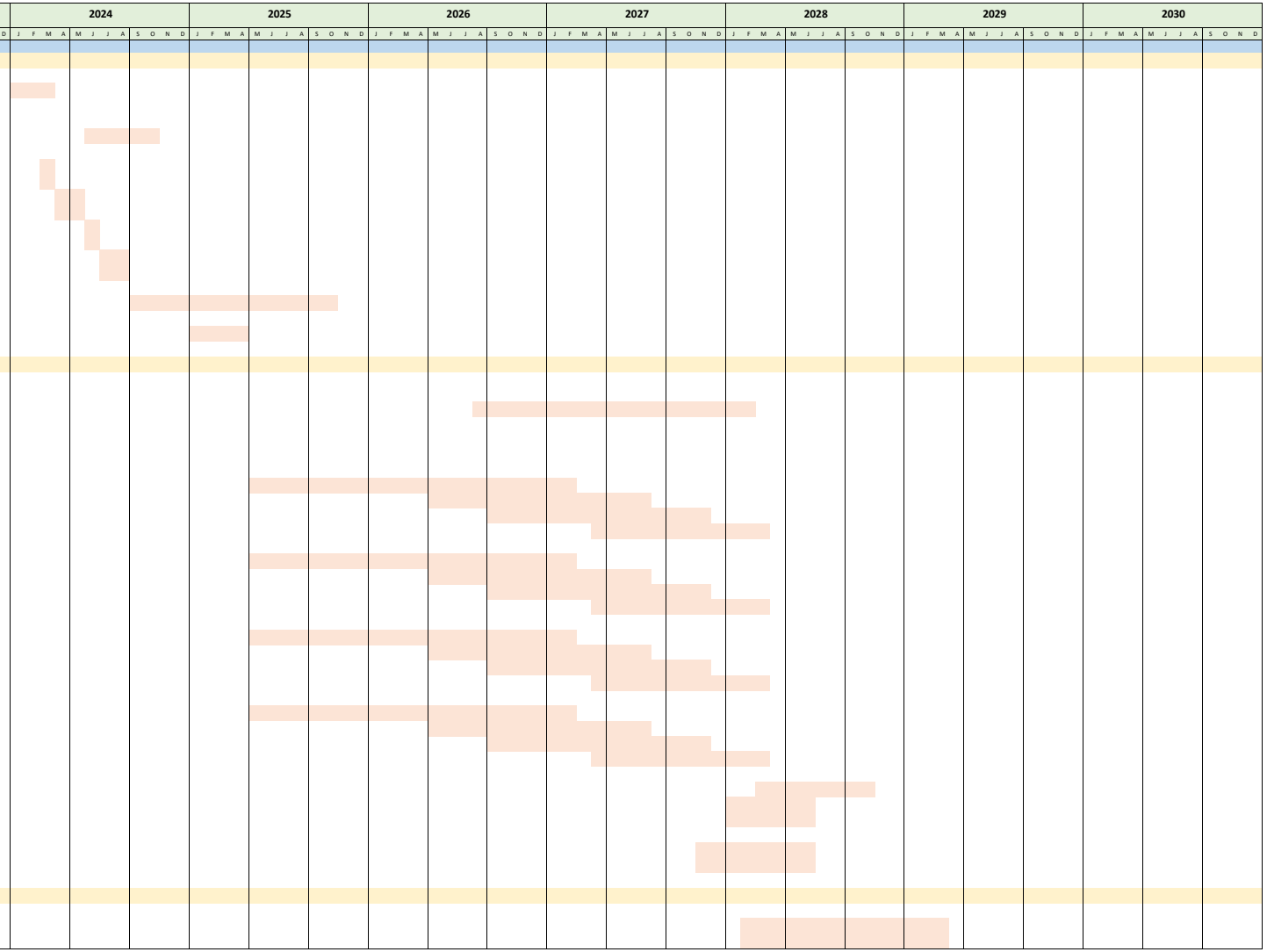
Appendix 2.3 Construction Programme

Activity Name	Work Zone	Activity Index
Tuen Mun River Bridge		
Temporary Platform		
Construction of temporary platform in 2nd dry season	TRB	TRB-1a
Construction of temporary platform in 3rd dry season	TRB	TRB-1b
Remove temporary platform	TRB	TRB-2
Pylon		
Northern River End Pier		
Piling works	TRB	TRB-3
Construction of pile caps	TRB	TRB-4
Construction of Pier Structure	TRB	TRB-5
Northern Pylon		
Piling works	TRB	TRB-3
Construction of pile caps	TRB	TRB-4
Construction of Pylon Structure	TRB	TRB-5
Southern Pylon		
Piling works	TRB	TRB-3
Construction of pile caps	TRB	TRB-4
Construction of Pylon Structure	TRB	TRB-5
Southern Land End Pier		
Piling works	TRB	TRB-3
Construction of pile caps	TRB	TRB-4
Construction of Pier Structure	TRB	TRB-5
Deck Erection		
Construction of Bridge Structure	TRB	TRB-6
Degree 1 Completion		
ABWF works for Degree 1	TRB	TRB-7
Standard Viaduct between Tuen Mun River Bridge & Crossover		
Precast Loading and Unloading		
Site Clearance for WA 5.5, 5.6, 9.1	W2	V3-1
Reinstatement for WA 5.5, 5.6, 9.1	W2	V3-2
Tuen Mun Safety Town		
Site clearance and Tree felling (or transplant)	WS5.3	V3-3
Reinstatement of Tuen Mun Safety Town	WS5.3	V3-4
Construction of Viaducts between TRB & Crossover		
Piling works	V3	V3-5
Construction of pile caps at Tuen Mun Safety Town	V3	V3-6
Construction of Pier	V3	V3-7
Construction of viaduct structure	V3	V3-8
Degree 1 Completion		
ABWF works for Degree 1	V3	V3-9
Crossover		
Mobilization		
Tree felling (or transplant)	CRO	CRO-1
NF100 Modification		
NF100 Modification work	CRO	CRO-2
Construction of crossover		
Piling works	CRO	CRO-3
Construction of pile caps	CRO	CRO-4
Construction of Pier	CRO	CRO-5
Construction of viaduct structure	CRO	CRO-6
Degree 1 Completion		
ABWF works for Degree 1	CRO	CRO-7
Architectural Finishing Works		
A16 Station		
ABWF & BS works - A16 Station Northern	A16N	A16N-7
ABWF & BS works - A16 Station Southern	A16S	A16S-10



Appendix 2.3 Construction Programme

Activity Name	Work Zone	Activity Index
NEC Contract 1502 (TMS Station)		
Preliminaries, Design and General Requirements		
Mobilisation and Preparatory work		
Site clearance for WS 6.2b, 6.4	W3	TMS-1
Preparatory Work		
Light Rail Train Protection Work		
Light Rail Protection Work	LR	TMS-2
TTMS		
Tree Felling works along Wu King Road (West) at Zone W4a	W4a	TMS-3a
Tree Felling works along Wu King Road (West) at Zone W4b	W4b	TMS-3a
Realignment of Wu King Road (West) at Zone W4a	W4a	TMS-3b
Realignment of Wu King Road (West) at Zone W4b	W4b	TMS-3b
Tree Felling works along central median at Zone W4a	W4a	TMS-3c
Tree Felling works along central median at Zone W4b	W4b	TMS-3c
Removal of central median works at Zone W4a	W4a	TMS-3d
Removal of central median works at Zone W4b	W4b	TMS-3d
Demolition and reprovision of footbridges		
NF99, NF98 Demolition and Reprovision work of NF98	W5	TMS-4
Demolition of TM Ferry Public Toilet and Park		
Demolish Tuen Mun Ferry Pier Public Toilet and Park	WS6.10	TMS-5
Civil Construction & Architectural Building Works Finishes		
Delivery		
TMS		
Precast loading and unloading at Work Zone W2 (southern portion near Yuet Wu Villa Multi-storey Car Park)	W2	W2-2
TMS Station		
TMS Station Structure		
Zone TMS.1a		
Piling works	TMS.1a	TMS-6
Construction of pile caps	TMS.1a	TMS-7
Construction of Pier	TMS.1a	TMS-8
Construction of Station	TMS.1a	TMS-9
Zone TMS.1b		
Piling works	TMS.1b	TMS-6
Construction of pile caps	TMS.1b	TMS-7
Construction of Pier	TMS.1b	TMS-8
Construction of Station	TMS.1b	TMS-9
Zone TMS.1c		
Piling works	TMS.1c	TMS-6
Construction of pile caps	TMS.1c	TMS-7
Construction of Pier	TMS.1c	TMS-8
Construction of Station	TMS.1c	TMS-9
Zone TMS.1d		
Piling works	TMS.1d	TMS-6
Construction of pile caps	TMS.1d	TMS-7
Construction of Pier	TMS.1d	TMS-8
Construction of Station	TMS.1d	TMS-9
External Works		
Construct Pick Up Drop Off Area	WS6.5	TMS-10
Other external works at Zone TMS.2a	TMS.2a	TMS-11
Other external works at Zone TMS.2b	TMS.2b	TMS-11
Degree 1 Completion		
ABWF works for Degree 1 at Zone TMS.2a	TMS.2a	TMS-12
ABWF works for Degree 1 at Zone TMS.2b	TMS.2b	TMS-12
Architectural Finishing Works		
TMS - ABWF & BS Installation		
ABWF & BS works at Zone TMS.2a	TMS.2a	TMS-12
ABWF & BS works at Zone TMS.2b	TMS.2b	TMS-12



Remarks:

- Construction of temporay platform includes the construction of cofferdam.
- Construction of pile caps includes the construction of the pile cap shells, where necessary.
- Construction of pier/station structure/feeder station structure includes the construction of column and crosshead.
- Realignment of Wu King Road (West) includes diversion of existing utilities at Wu King Road (West).
- Reinstatement of WS 2.1, 2.3, 2.4, 2.4a, 2.4b, 2.5, 3.1, 3.2, 3.4, 3.6, 4.2a includes tree planting and landscaping works along the Tuen Mun River Channel, where necessary.
- Construction of railway noise mitigation measures is under "construction of viaduct structure".