

Legend

- M1
- M2/M3
- Proposed Development Scheme
- Project Site Boundary for Construction Phase
- 500m Assessment Area

Rev	Description	By	Date

Consultant



Project Title
IMPROVEMENT TO SO KWUN PO INTERCHANGE

Title
Road Configurations and Road Grouping for CALINE4 Input (With Project, Without DNR Scenario)

Drawing No. Appendix 3.3		Rev.	
Drawn	Date: 8/8/2023	Checked	Approved
Scale	1:6,000 (A3)	Status	

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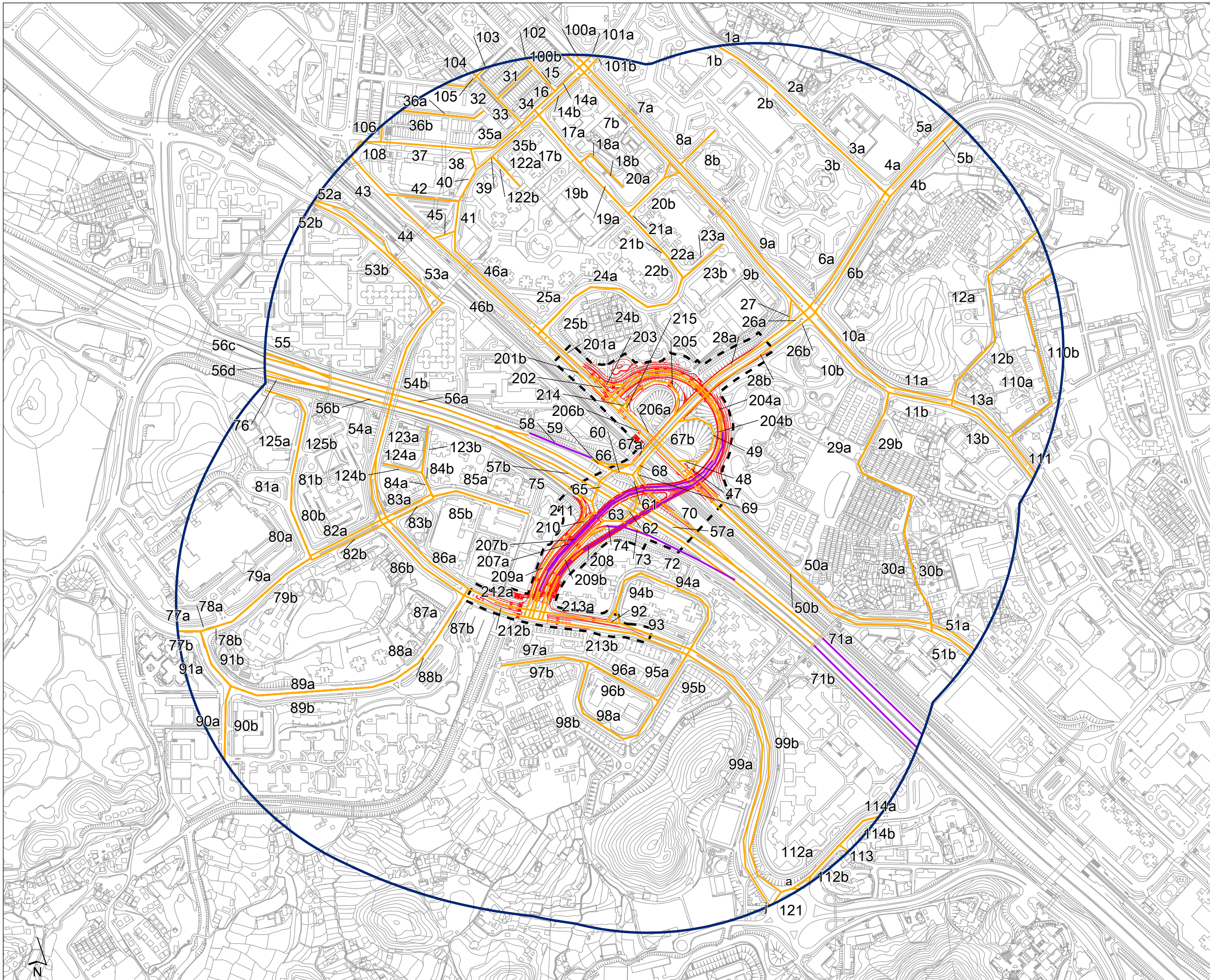
Appendix 3.3 – Road Configurations for CALINE4 Model

DNR Case (i.e. With Project, With Direct Noise Remedies Scenario)

Base mPD

9.0

No.	Road ID	Road Code	Road Name	Starting Coordinate	Ending Coordinate	Actual Average Width	Model Width	Actual Average Height	Vertical Barrier/Cantilever Height Adjustment	Model Height	Road Type	Road Grouping	Vertical Barrier/Cantilever Type		
(#)	(ID)	(ID)	(Name)	X	Y	X	Y	(m)	(m)	(mPD)	(m)	(mAG)	(Type Code)	(Group)	(Type)
370	L202	L202_02	San Wan Road	831558.93	839938.45	831575.55	839921.51	6.5	12.5	11.1	-	2.1	1	M1	
371	L203	L203_01	So Kwun Po Link	831517.80	839977.45	831549.58	839961.32	12.0	18.0	11.0	-	2.0	1	M1	
372	L203	L203_02	So Kwun Po Link	831549.58	839961.32	831576.83	839961.32	12.0	18.0	11.0	-	2.0	1	M1	
373	L204a	L204a_01	So Kwun Po Link	831548.23	839934.80	831576.83	839961.32	12.0	15.0	11.0	-	2.0	1	M1	
374	L204a	L204a_02	So Kwun Po Link	831576.83	839961.32	831590.73	839973.52	14.5	17.5	11.0	3.0	5.0	1	M1	Proposed 3m Vertical barrier on Left-side
375	L204a	L204a_03	So Kwun Po Link	831590.73	839973.52	831628.94	839986.07	13.0	16.0	11.0	3.0	5.0	1	M1	Proposed 3m Vertical barrier on Left-side
376	L204a	L204a_04	So Kwun Po Link	831628.94	839986.07	831650.73	839984.84	12.5	18.5	11.0	3.0	5.0	1	M1	Proposed 3m Vertical barrier on Left-side
377	L204a	L204a_05	So Kwun Po Link	831650.73	839984.84	831670.03	839981.45	12.0	18.0	11.0	-	2.0	1	M1	
378	L204a	L204a_06	So Kwun Po Link	831670.03	839981.45	831707.23	839959.75	12.0	18.0	13.0	-	4.0	4	M1	
379	L204a	L204a_07	So Kwun Po Link	831707.23	839959.75	831724.35	839942.63	12.0	18.0	15.0	-	6.0	4	M1	
380	L204a	L204a_08	So Kwun Po Link	831724.35	839942.63	831744.40	839909.26	12.0	18.0	17.0	-	8.0	4	M1	
381	L204a	L204a_09	So Kwun Po Link	831744.40	839909.26	831748.87	839879.88	12.0	18.0	19.0	-	10.0	4	M1	
382	L204a	L204a_10	So Kwun Po Link	831748.87	839879.88	831747.59	839854.17	12.0	18.0	21.0	-	2.0	4	M2	
383	L204a	L204a_11	So Kwun Po Link	831747.59	839854.17	831734.82	839826.22	12.0	18.0	23.0	-	4.0	4	M2	
384	L204a	L204a_12	So Kwun Po Link	831734.82	839826.22	831716.17	839802.98	12.0	18.0	23.0	-	4.0	4	M2	
385	L204a	L204a_13	So Kwun Po Link	831716.17	839802.98	831696.17	839787.42	12.0	18.0	23.0	-	4.0	4	M2	
386	L204b	L204b_01	So Kwun Po Link	831692.67	839794.81	831714.38	839810.33	12.0	18.0	23.0	-	4.0	4	M2	
387	L204b	L204b_02	So Kwun Po Link	831714.38	839810.33	831730.91	839830.49	12.0	18.0	21.0	-	2.0	4	M2	
388	L204b	L204b_03	So Kwun Po Link	831730.91	839830.49	831741.94	839854.87	12.0	18.0	19.0	-	10.0	4	M1	
389	L204b	L204b_04	So Kwun Po Link	831741.94	839854.87	831744.53	839879.53	12.0	18.0	17.0	-	8.0	4	M1	
390	L204b	L204b_05	So Kwun Po Link	831744.53	839879.53	831740.37	839907.74	12.0	18.0	15.0	-	6.0	4	M1	
391	L204b	L204b_06	So Kwun Po Link	831740.37	839907.74	831720.94	839939.51	12.0	18.0	13.0	-	4.0	4	M1	
392	L204b	L204b_07	So Kwun Po Link	831720.94	839939.51	831704.40	839956.67	12.0	18.0	11.0	-	2.0	1	M1	
393	L204b	L204b_08	So Kwun Po Link	831704.40	839956.67	831663.44	839977.53	12.5	18.5	11.0	-	2.0	1	M1	
394	L204b	L204b_09	So Kwun Po Link	831663.44	839977.53	831625.43	839979.13	13.0	19.0	11.0	-	2.0	1	M1	
395	L204b	L204b_10	So Kwun Po Link	831625.43	839979.13	831591.74	839964.91	14.5	20.5	11.0	-	2.0	1	M1	
396	L204b	L204b_11	So Kwun Po Link	831591.74	839964.91	831554.39	839928.95	12.0	18.0	11.0	-	2.0	1	M1	
397	L205	L205_01	So Kwun Po Slip Road	831665.21	839908.66	831672.38	839943.20	6.5	12.5	17.8	-	8.8	1	M1	
398	L205	L205_02	So Kwun Po Slip Road	831672.38	839943.20	831655.13	839964.43	6.5	12.5	17.8	-	8.8	1	M1	
399	L205	L205_03	So Kwun Po Slip Road	831655.13	839964.43	831629.26	839968.11	6.5	12.5	14.9	-	5.9	1	M1	
400	L205	L205_04	So Kwun Po Slip Road	831629.26	839968.11	831603.71	839954.37	7.0	13.0	12.2	-	3.2	1	M1	
401	L205	L205_05	So Kwun Po Slip Road	831603.71	839954.37	831582.17	839931.37	7.5	13.5	10.9	-	1.9	1	M1	
402	L206a	L206a_01	San Wan Road	831575.55	839921.51	831670.02	839829.76	10.5	16.5	10.7	-	1.7	1	M1	
403	L206a	L206a_02	San Wan Road	831670.02	839829.76	831690.85	839810.38	8.5	14.5	10.5	-	1.5	1	M1	
404	L206b	L206b_01	San Wan Road	831694.29	839801.80	831568.88	839915.03	8.0	14.0	10.8	-	1.8	1	M1	
405	L207a	L207a_01	So Kwun Po Link	831412.23	839558.81	831426.89	839599.60	9.0	15.0	11.0	-	2.0	4	M1	
406	L207a	L207a_02	So Kwun Po Link	831426.89	839599.60	831444.98	839639.38	9.0	12.0	13.0	5.0	9.0	4	M1	Proposed 5m Vertical barrier on Left-side
407	L207a	L207a_03	So Kwun Po Link	831444.98	839639.38	831463.60	839665.68	9.0	12.0	15.0	5.0	1.0	4	M2	Proposed 5m Vertical barrier on Left-side
408	L207a	L207a_04	So Kwun Po Link	831463.60	839665.68	831528.66	839733.36	9.0	12.0	18.0	3.0	2.0	4	M2	Proposed 3m Vertical barrier on Left-side
409	L207a	L207a_05	So Kwun Po Link	831528.66	839733.36	831554.53	839758.27	10.0	16.0	22.0	-	3.0	4	M2	
410	L207a	L207a_06	So Kwun Po Link	831554.53	839758.27	831582.63	839775.52	11.0	17.0	26.0	-	7.0	4	M2	
411	L207a	L207a_07	So Kwun Po Link	831582.63	839775.52	831609.94	839783.82	12.0	18.0	28.0	-	9.0	4	M2	
412	L207a	L207a_08	So Kwun Po Link	831609.94	839783.82	831663.76	839787.18	13.0	19.0	27.0	-	8.0	4	M2	
413	L207a	L207a_09	So Kwun Po Link	831663.76	839787.18	831692.67	839794.81	12.0	18.0	25.0	-	6.0	4	M2	
414	L207b	L207b_01	So Kwun Po Link	831696.17	839787.42	831660.00	839780.23	12.0	18.0	25.0	-	6.0	4	M2	
415	L207b	L207b_02	So Kwun Po Link	831660.00	839780.23	831613.21	839778.63	13.0	19.0	27.0	-	8.0	4	M2	
416	L207b	L207b_03	So Kwun Po Link	831613.21	839778.63	831587.66	839771.93	12.0	18.0	28.0	-	9.0	4	M2	
417	L207b	L207b_04	So Kwun Po Link	831587.66	839771.93	831557.00	839755.32	11.0	17.0	26.0	-	7.0	4	M2	
418	L207b	L207b_05	So Kwun Po Link	831557.00	839755.32	831531.52	839730.18	10.0	16.0	22.0	-	3.0	4	M2	
419	L207b	L207b_06	So Kwun Po Link	831530.34	839731.49	831485.68	839664.78	9.0	12.0	18.0	6.8	5.8	4	M2	Proposed 5m Vertical barrier + 2.5m Cantilever $\angle 45^\circ$ on Left-side
420	L207b	L207b_07	So Kwun Po Link	831485.68	839664.78	831446.28	839637.60	9.0	12.0	15.0	6.8	2.8	4	M2	Proposed 5m Vertical barrier + 2.5m Cantilever $\angle 45^\circ$ on Left-side
421	L207b	L207b_08	So Kwun Po Link	831446.28	839637.60	831430.82	839604.04	9.0	12.0	13.0	6.8	0.8	4	M2	Proposed 5m Vertical barrier + 2.5m Cantilever $\angle 45^\circ$ on Left-side
422	L207b	L207b_09	So Kwun Po Link	831430.82	839604.04	831419.05	839567.41	9.0	15.0	11.0	-	2.0	4	M1	
423	L208	L208_01	So Kwun Po Link	831696.17	839787.42	831614.62	839741.10	5.0	11.0	25.0	-	6.0	4	M2	
424	L208	L208_02	So Kwun Po Link	831614.62	839741.10	831588.09	839724.74	5.0	11.0	25.0	-	6.0	4	M2	
425	L208	L208_03	So Kwun Po Link	831588.09	839724.74	831506.94	839675.31	5.0	11.0	22.0	-	3.0	4	M2	
426	L208	L208_04	So Kwun Po Link	831506.94	839675.31	831486.88	839658.25	5.0	11.0	18.0	-	9.0	4	M1	
427	L208	L208_05	So Kwun Po Link	831486.88	839658.25	831464.34	839631.19	5.0	8.0	15.0	6.8	2.8	4	M2	Proposed 5m Vertical barrier + 2.5m Cantilever $\angle 45^\circ$ on Left-side
428	L208	L208_06	So Kwun Po Link	831464.34	839631.19	831443.73	839585.21	5.0	8.0	12.0	6.8	9.8	4	M1	Proposed 5m Vertical barrier + 2.5m Cantilever $\angle 45^\circ$ on Left-side
429	L208	L208_07	So Kwun Po Link	831443.73	839585.21	831435.66	839554.59	5.0	11.0	11.0	-	2.0	4	M1	
430	L209a	L209a_01	So Kwun Po Road	831404.89	839560.31	831430.21	839634.75	10.0	16.0	10.6	-	1.6	1	M1	
431	L209a	L209a_02	So Kwun Po Road	831430.21	839634.75	831458.31	839678.83	10.0	13.0	11.0	5.0	7.0	1	M1	Proposed 5m Vertical barrier on Left-side
432	L209a	L209a_03	So Kwun Po Road	831458.31	839678.83	831502.47	839721.22	10.0	13.0	11.3	3.0	5.3	1	M1	Proposed 3m Vertical barrier on Left-side
433	L209b	L209b_01	So Kwun Po Road	831542.31	839725.93	831513.97	839699.43	10.0	16.0	16.5	-	7.5	1	M1	
434	L209b	L209b_02	So Kwun Po Road	831513.97	839699.43	831463.66	839642.74	11.5	17.5	13.2	-	4.2	1	M1	
435	L209b	L209b_03	So Kwun Po Road	831463.66	839642.74	831447.37	839614.71	13.5	19.5	13.2	-	4.2	1	M1	
436	L209b	L209b_04	So Kwun Po Road	831447.37	839614.71	831429.52	839565.47	13.0	19.0	10.3	-	1.3	1	M1	
437	L210	L210_01	So Kwun Po Road	831502.47	839721.22	831526.98	839741.74	8.5	14.5	13.7	-	4.7	1	M1	
438	L211	L211_01	So Kwun Po Road	831502.47	839721.22	831510.14	839745.84	5.0	8.0	12.2	3.0	6.2	1	M1	Proposed 3m Vertical barrier on Left-side
439	L211	L211_02	So Kwun Po Road	831510.14	839745.84	831502.66	839764.18	5.0	8.0	12.2	3.0	6.2	1	M1	Proposed 3m Vertical barrier on Left-side
440	L211	L211_03	So Kwun Po Road	831504.03	839765.63	831483.31	839783.96	5.0	8.0	10.4	7.0	8.4	1	M1	1-side cantilever on Left-side
441	L212a	L212a_01	Pak Wo Road	831308.61	839608.68	831373.97	839679.27	8.0	14.0	10.6	-	1.6	1	M1	
442	L212a	L212a_02	Pak Wo Road	831373.97	839579.27	831428.21	839659.99	8.0	14.0	10.5	-	1.5	1	M1	
443	L212b	L212b_01	Pak Wo Road	831425.90	839556.01	831373.91	839566.66	8.0	14.0	10.9	-	1.9	1	M1	
444	L212b	L212b_02	Pak Wo Road	831373.91	839566.66	831299.80	839597.68	7.0	13.0	10.9					



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Appendix 3.3 – Road Configurations for CALINE4 Model

				Base Case (i.e. Without Project Scenario)				Base mPD				9.0			
No.	Road ID	Road Code	Road Name	Starting Coordinate		Ending Coordinate		Actual Average Width	Model Width	Actual Average Height	Vertical Barrier/Cantilever Height Adjustment	Model Height	Road Type	Road Grouping	Vertical Barrier/Cantilever Type
(#)	(ID)	(ID)	(Name)	X	Y	X	Y	(m)	(m)	(mPD)	(m)	(mAG)	(Type Code)	(Group)	(Type)
1	L001a	L001a_01	Tin Ping Road	831739.67	840546.71	831774.41	840525.95	10.0	16.0	9.6	-	1.6	1	M1	-
2	L001a	L001a_02	Tin Ping Road	831774.41	840525.95	831832.84	840477.00	10.0	16.0	10.1	-	0.1	1	M1	-
3	L001b	L001b_01	Tin Ping Road	831832.84	840476.23	831774.41	840525.95	10.0	16.0	10.1	-	1.1	1	M1	-
4	L001b	L001b_02	Tin Ping Road	831774.41	840525.95	831739.67	840546.71	10.0	16.0	9.6	-	0.6	1	M1	-
5	L002a	L002a_01	Tin Ping Road	831833.81	840476.23	831888.10	840425.04	10.0	16.0	10.1	-	1.1	1	M1	-
6	L002b	L002b_01	Tin Ping Road	831888.10	840425.04	831833.81	840476.23	10.0	16.0	10.1	-	1.1	1	M1	-
7	L003a	L003a_01	Tin Ping Road	831888.10	840425.04	832037.56	840285.84	10.5	16.5	10.0	-	1.0	1	M1	-
8	L003b	L003b_01	Tin Ping Road	832037.56	840285.84	831888.10	840425.04	10.5	16.5	10.0	-	1.0	1	M1	-
9	L004a	L004a_01	Ma Sik Road	832030.08	840294.78	832087.53	840357.64	7.5	13.5	10.1	-	1.1	1	M1	-
10	L004b	L004b_01	Ma Sik Road	832094.62	840348.67	832038.62	840287.52	7.5	13.5	10.8	-	1.8	1	M1	-
11	L005a	L005a_01	Ma Sik Road	832087.53	840357.64	832148.65	840419.65	7.5	13.5	10.5	-	1.5	1	M1	-
12	L005b	L005b_01	Ma Sik Road	832157.14	840411.70	832094.62	840348.67	7.5	13.5	11.4	-	2.4	1	M1	-
13	L006a	L006a_01	Ma Sik Road	831895.67	840092.38	831933.64	840140.57	7.5	13.5	10.8	-	1.8	1	M1	-
14	L006a	L006a_02	Ma Sik Road	831933.64	840140.57	832030.08	840294.78	7.5	13.5	10.5	-	1.5	1	M1	-
15	L006b	L006b_01	Ma Sik Road	832038.62	840287.52	831942.82	840134.73	7.5	13.5	10.4	-	1.4	1	M1	-
16	L006b	L006b_02	Ma Sik Road	831942.82	840134.73	831904.09	840081.54	7.5	13.5	10.6	-	1.6	1	M1	-
17	L007a	L007a_01	Jockey Club Road	831512.10	840512.45	831675.49	840342.21	7.5	13.5	9.7	-	0.7	1	M1	-
18	L007b	L007b_01	Jockey Club Road	831675.49	840342.21	831657.02	840345.88	7.5	13.5	9.6	-	0.6	1	M1	-
19	L007b	L007b_02	Jockey Club Road	831657.02	840345.88	831504.96	840505.06	7.5	13.5	9.5	-	0.5	1	M1	-
20	L008a	L008a_01	Tin Ping Lane	831675.49	840342.21	831735.54	840401.22	7.0	13.0	9.6	-	0.6	1	M1	-
21	L008b	L008b_01	Tin Ping Lane	831735.54	840401.22	831675.49	840342.21	7.0	13.0	9.6	-	0.6	1	M1	-
22	L009a	L009a_01	Jockey Club Road	831675.49	840342.21	831761.00	840251.10	7.5	13.5	9.8	-	0.8	1	M1	-
23	L009a	L009a_02	Jockey Club Road	831761.00	840251.10	831819.57	840177.54	6.5	12.5	10.1	-	1.1	1	M1	-
24	L009a	L009a_03	Jockey Club Road	831819.57	840177.54	831902.93	840092.56	15.0	21.0	10.5	-	1.5	1	M1	-
25	L009b	L009b_01	Jockey Club Road	831866.97	840109.13	831807.22	840174.25	7.5	13.5	10.5	-	1.5	1	M1	-
26	L009b	L009b_02	Jockey Club Road	831807.22	840174.25	831754.55	840243.04	7.0	13.0	9.9	-	0.9	1	M1	-
27	L009b	L009b_03	Jockey Club Road	831754.55	840243.04	831754.55	840243.04	6.5	12.5	10.2	-	1.2	1	M1	-
28	L010a	L010a_01	Jockey Club Road	831902.93	840092.56	831991.31	839994.16	6.0	12.0	11.7	-	2.7	1	M1	-
29	L010a	L010a_02	Jockey Club Road	831991.31	839994.16	832038.09	839956.94	6.5	12.5	13.2	-	4.2	1	M1	-
30	L010b	L010b_01	Jockey Club Road	832038.09	839956.94	831980.29	839985.84	6.5	12.5	13.3	-	4.3	1	M1	-
31	L010b	L010b_02	Jockey Club Road	831980.29	839985.84	831866.97	840109.13	13.5	19.5	11.7	-	2.7	1	M1	-
32	L011a	L011a_01	Jockey Club Road	832038.09	839956.94	832146.00	839934.28	6.5	12.5	14.1	-	5.1	1	M1	-
33	L011b	L011b_01	Jockey Club Road	832146.00	839934.28	832038.09	839956.94	6.0	12.0	14.5	-	5.5	1	M1	-
34	L012a	L012a_01	Ling Shan Road	832143.87	839925.06	832152.86	839967.23	8.0	14.0	14.1	-	5.1	1	M1	-
35	L012a	L012a_02	Ling Shan Road	832152.86	839967.23	832218.97	840038.34	6.0	12.0	15.1	-	6.1	1	M1	-
36	L012a	L012a_03	Ling Shan Road	832218.97	840038.34	832207.33	840149.78	6.0	12.0	15.5	-	6.5	1	M1	-
37	L012a	L012a_04	Ling Shan Road	832207.33	840149.78	832292.98	840226.33	6.0	12.0	14.9	-	5.9	1	M1	-
38	L012b	L012b_01	Ling Shan Road	832292.98	840226.33	832207.33	840149.78	6.0	12.0	14.9	-	5.9	1	M1	-
39	L012b	L012b_02	Ling Shan Road	832207.33	840149.78	832218.97	840038.34	6.0	12.0	15.5	-	6.1	1	M1	-
40	L012b	L012b_03	Ling Shan Road	832218.97	840038.34	832152.86	839967.23	6.0	12.0	15.1	-	6.1	1	M1	-
41	L012b	L012b_04	Ling Shan Road	832152.86	839967.23	832143.87	839925.06	6.0	12.0	14.5	-	5.5	1	M1	-
42	L013a	L013a_01	Jockey Club Road	832146.00	839934.28	832193.72	839917.84	7.0	13.0	14.7	-	5.7	1	M1	-
43	L013a	L013a_02	Jockey Club Road	832193.72	839917.84	832242.05	839869.41	7.0	13.0	15.7	-	6.7	1	M1	-
44	L013b	L013b_01	Jockey Club Road	832242.05	839869.41	832234.19	839862.09	8.0	14.0	16.2	-	7.2	1	M1	-
45	L013b	L013b_02	Jockey Club Road	832234.19	839862.09	832189.25	839906.80	8.0	14.0	15.7	-	6.7	1	M1	-
46	L013b	L013b_03	Jockey Club Road	832189.25	839906.80	832143.87	839925.06	8.0	14.0	14.5	-	5.5	1	M1	-
47	L014a	L014a_01	Lung Sum Avenue	831458.26	840468.58	831504.31	840513.86	7.0	13.0	8.7	-	0.0	1	M1	-
48	L014b	L014b_01	Lung Sum Avenue	831504.31	840513.86	831430.24	840427.83	7.0	13.0	8.9	-	0.0	1	M1	-
49	L015	L015_01	San Shing Avenue	831458.26	840468.58	831419.58	840512.78	7.5	13.5	8.9	-	0.0	1	M1	-
50	L016	L016_01	Lung Sum Avenue	831422.97	840436.31	831458.26	840468.58	10.5	16.5	8.7	-	0.0	1	M1	-
51	L017a	L017a_01	Chi Cheong Road	831422.97	840436.31	831501.37	840344.85	11.5	17.5	9.0	-	0.0	1	M1	-
52	L017b	L017b_01	Chi Cheong Road	831501.37	840344.85	831422.97	840436.31	11.5	17.5	9.0	-	0.0	1	M1	-
53	L018a	L018a_01	Chi Yin Lane	831501.37	840344.85	831519.77	840360.35	6.7	12.7	8.0	-	0.0	1	M1	-
54	L018a	L018a_02	Chi Yin Lane	831519.77	840360.35	831576.49	840303.22	5.6	11.6	8.0	-	0.0	1	M1	-
55	L018b	L018b_01	Chi Yin Lane	831576.49	840303.22	831519.77	840360.35	5.6	11.6	8.0	-	0.0	1	M1	-
56	L018b	L018b_02	Chi Yin Lane	831519.77	840360.35	831501.37	840344.85	6.7	12.7	8.0	-	0.0	1	M1	-
57	L019a	L019a_01	Chi Cheong Road	831501.37	840344.85	831584.72	840257.08	10.5	16.5	9.2	-	0.2	1	M1	-
58	L019b	L019b_01	Chi Cheong Road	831584.72	840257.08	831501.37	840344.85	10.5	16.5	9.2	-	0.2	1	M1	-
59	L020a	L020a_01	Chi Ming Street	831584.72	840257.08	831646.67	840318.31	11.0	17.0	9.0	-	0.0	1	M1	-
60	L020a	L020a_02	Chi Ming Street	831646.67	840318.31	831657.02	840345.88	5.5	11.5	9.0	-	0.0	1	M1	-
61	L020b	L020b_01	Chi Ming Street	831657.02	840345.88	831646.67	840318.31	5.5	11.5	9.0	-	0.0	1	M1	-
62	L020b	L020b_02	Chi Ming Street	831646.67	840318.31	831584.72	840257.08	11.0	17.0	9.0	-	0.0	1	M1	-
63	L021a	L021a_01	Chi Cheong Road	831584.72	840257.08	831650.82	840185.23	10.0	16.0	9.2	-	0.2	1	M1	-
64	L021b	L021b_01	Chi Cheong Road	831650.82	840185.23	831584.72	840257.08	10.0	16.0	9.2	-	0.2	1	M1	-
65	L022a	L022a_01	Chi Cheong Road	831650.82	840185.23	831679.01	840147.54	10.5	16.5	9.5	-	0.5	1	M1	-
66	L022b	L022b_01	Chi Cheong Road	831679.01	840147.54	831650.82	840185.23	10.5	16.5	9.5	-	0.5	1	M1	-
67	L023a	L023a_01	Chi Yin Lane	831678.07	840144.08	831748.35	840204.12	6.8	12.8	9.8	-	0.8	1	M1	-
68	L023b	L023b_01	Chi Yin Lane	831748.35	840204.12	831678.07	840144.08	6.8	12.8	9.8	-	0.8	1	M1	-
69	L024a	L024a_01	Chi Cheong Road	831490.96	840112.23	831519.79	840130.02	11.0	17.0	9.9	-	0.9	1	M1	-
70	L024a	L024a_02	Chi Cheong Road	831519.79	840130.02	831570.62	840127.20	11.0	17.0	10.0	-	1.0	1	M1	-
71	L024a	L024a_03	Chi Cheong Road	831570.62	840127.20	831618.25	840095.63	11.0	17.0	10.1	-	1.1	1	M1	-
72	L024a	L024a_04	Chi Cheong Road	831618.25	840095.63	831653.10	840101.37	11.0	17.0	9.8	-	0.8	1	M1	-
73	L024a	L024a_05	Chi Cheong Road	831653.10	840101.37	831669.71	840118.98	11.0	17.0	9.8	-	0.8	1	M1	-
74	L024a	L024a_06	Chi Cheong Road	831669.71	840118.98	831679.01	840147.54	11.0	17.0	9.3	-	0.3	1	M1	-
75	L024b	L024b_01	Chi Cheong Road	831679.01	840147.54	831669.71	840118.98	11.0	17.0	9.3	-	0.3	1	M1	-
76	L024b	L024b_02	Chi Cheong Road	831669.71	840118.98	831653.10	840101.37	11.0	17.0	9.8	-	0.8	1	M1	-
77	L024b	L024b_03	Chi Cheong Road	831653.10	840101.37	831618.25	840095.63	11.0	17.0	9.8	-	0.8	1	M1	-
78	L024b	L024b_04	Chi Cheong Road	831618.25	840095.63	831570.62	840127.20	11.0	17.0	10.1	-	1.1	1	M1	-
79	L024b	L024b_05	Chi Cheong Road												

Appendix 3.3 – Road Configurations for CALINE4 Model

				Base Case (i.e. Without Project Scenario)				Base mPD				9.0			
No.	Road ID	Road Code	Road Name	Starting Coordinate		Ending Coordinate		Actual Average Width	Model Width	Actual Average Height	Vertical Barrier/Cantilever Height Adjustment	Model Height	Road Type	Road Grouping	Vertical Barrier/Cantilever Type
(#)	(ID)	(ID)	(Name)	X	Y	X	Y	(m)	(m)	(mPD)	(m)	(mAG)	(Type Code)	(Group)	(Type)
123	L041	L041_01	Lung Wan Street	831291.92	840277.95	831285.58	840226.67	12.0	18.0	8.9	-	0.0	1	M1	
124	L042	L042_01	Sheung Shui Station PLB Terminus	831291.92	840277.95	831165.50	840290.96	6.0	12.0	9.0	-	0.0	1	M1	
125	L043	L043_01	San Wan Road	831165.50	840290.96	831106.45	840354.50	13.5	19.5	8.1	-	0.0	1	M1	
126	L044	L044_01	San Wan Road	831247.93	840214.08	831165.50	840290.96	13.5	19.5	8.3	-	0.0	1	M1	
127	L045	L045_01	Lung Wan Street	831285.58	840226.67	831247.93	840214.08	10.0	16.0	8.7	-	0.0	1	M1	
128	L046a	L046a_01	San Wan Road	831285.58	840226.67	831285.58	840192.90	9.5	15.5	8.7	-	0.0	1	M1	
129	L046a	L046a_02	San Wan Road	831285.58	840192.90	831434.78	840054.54	7.0	13.0	8.8	-	0.0	1	M1	
130	L046b	L046b_01	San Wan Road	831428.69	840048.29	831247.93	840214.08	7.0	13.0	8.7	-	0.0	1	M1	
131	L047	L047_01	So Kwun Po Slip Road	831684.28	839801.80	831705.64	839828.92	6.0	12.0	10.5	-	1.5	1	M1	
132	L048	L048_01	So Kwun Po Slip Road	831670.02	839829.76	831705.64	839828.92	5.5	11.5	10.5	-	1.5	1	M1	
133	L049	L049_01	So Kwun Po Slip Road	831705.64	839828.92	831726.97	839650.78	5.5	11.5	11.3	-	2.3	1	M1	
134	L049	L049_02	So Kwun Po Slip Road	831726.97	839650.78	831734.18	839873.65	5.5	11.5	13.1	-	4.1	1	M1	
135	L049	L049_03	So Kwun Po Slip Road	831734.18	839873.65	831727.19	839891.72	5.5	11.5	15.6	-	6.6	1	M1	
136	L049	L049_04	So Kwun Po Slip Road	831727.19	839891.72	831704.20	839903.58	5.5	11.5	16.2	-	7.2	1	M1	
137	L049	L049_05	So Kwun Po Slip Road	831704.20	839903.58	831671.69	839897.45	5.5	11.5	17.4	-	8.4	1	M1	
138	L050a	L050a_01	San Wan Road	831690.85	839810.38	831939.38	839578.54	5.5	11.5	10.9	-	1.9	1	M1	
139	L050a	L050a_02	San Wan Road	831939.38	839578.54	831987.60	839556.60	6.0	12.0	11.4	-	2.4	1	M1	
140	L050a	L050a_03	San Wan Road	831987.60	839556.60	832068.05	839545.46	6.5	12.5	11.7	-	2.7	1	M1	
141	L050a	L050a_04	San Wan Road	832068.05	839545.46	832107.83	839548.25	7.0	13.0	11.7	-	2.7	1	M1	
142	L050b	L050b_01	San Wan Road	832104.41	839537.26	832066.89	839545.38	6.5	12.5	12.2	-	3.1	1	M1	
143	L050b	L050b_02	San Wan Road	832066.89	839545.38	831979.29	839547.70	6.0	12.0	12.0	-	3.0	1	M1	
144	L050b	L050b_03	San Wan Road	831979.29	839547.70	831935.70	839567.65	7.0	13.0	12.0	-	3.0	1	M1	
145	L050b	L050b_04	San Wan Road	831935.70	839567.65	831684.28	839801.80	7.0	13.0	11.5	-	2.5	1	M1	
146	L051a	L051a_01	San Wan Road	832107.83	839548.25	832144.54	839533.84	7.5	13.5	12.8	-	3.8	1	M1	
147	L051a	L051a_02	San Wan Road	832144.54	839533.84	832184.21	839503.50	7.0	13.0	12.8	-	3.8	1	M1	
148	L051b	L051b_01	San Wan Road	832177.42	839492.59	832141.42	839520.42	7.0	13.0	12.8	-	3.8	1	M1	
149	L051b	L051b_02	San Wan Road	832141.42	839520.42	832104.41	839537.26	7.5	13.5	12.8	-	3.8	1	M1	
150	L052a	L052a_01	Choi Yuen Road	831041.95	840280.14	831097.47	840262.92	10.0	16.0	9.2	-	0.2	1	M1	
151	L052a	L052a_02	Choi Yuen Road	831097.47	840262.92	831160.89	840210.82	10.0	16.0	9.4	-	0.4	1	M1	
152	L052a	L052a_03	Choi Yuen Road	831160.89	840210.82	831168.53	840192.48	10.0	16.0	9.5	-	0.5	1	M1	
153	L052b	L052b_01	Choi Yuen Road	831161.18	840191.30	831094.92	840248.87	10.5	16.5	9.2	-	0.2	1	M1	
154	L052b	L052b_02	Choi Yuen Road	831094.92	840248.87	831039.07	840275.79	10.5	16.5	9.2	-	0.2	1	M1	
155	L053a	L053a_01	Choi Yuen Road	831168.53	840192.48	831263.89	840102.67	13.0	19.0	9.6	-	0.6	1	M1	
156	L053b	L053b_01	Choi Yuen Road	831247.36	840084.89	831223.58	840132.53	13.0	19.0	9.6	-	0.6	1	M1	
157	L053b	L053b_02	Choi Yuen Road	831223.58	840132.53	831161.18	840191.30	13.0	19.0	9.4	-	0.4	1	M1	
158	L054a	L054a_01	Pak Wo Road	831158.06	839723.71	831142.04	839764.84	11.0	17.0	10.1	-	1.1	1	M1	
159	L054a	L054a_02	Pak Wo Road	831142.04	839764.84	831139.49	839799.24	11.0	17.0	10.3	-	1.3	1	M1	
160	L054a	L054a_03	Pak Wo Road	831139.49	839799.24	831149.06	839835.29	11.0	17.0	12.0	-	3.0	1	M1	
161	L054a	L054a_04	Pak Wo Road	831149.06	839835.29	831167.77	839906.16	11.0	17.0	13.0	-	4.0	1	M1	
162	L054a	L054a_05	Pak Wo Road	831167.77	839906.16	831182.83	839966.95	11.0	17.0	13.6	-	4.6	4	M1	
163	L054a	L054a_06	Pak Wo Road	831182.83	839966.95	831202.17	840025.34	11.0	17.0	12.0	-	3.0	1	M1	
164	L054a	L054a_07	Pak Wo Road	831202.17	840025.34	831224.99	840060.66	11.0	17.0	10.4	-	1.4	1	M1	
165	L054a	L054a_08	Pak Wo Road	831224.99	840060.66	831247.36	840084.89	11.0	17.0	10.0	-	1.0	1	M1	
166	L054b	L054b_01	Pak Wo Road	831263.89	840102.67	831224.75	840060.30	11.0	17.0	10.0	-	1.0	1	M1	
167	L054b	L054b_02	Pak Wo Road	831224.99	840060.66	831202.17	840025.34	11.0	17.0	10.4	-	1.4	1	M1	
168	L054b	L054b_03	Pak Wo Road	831202.17	840025.34	831182.83	839966.95	11.0	17.0	12.0	-	3.0	1	M1	
169	L054b	L054b_04	Pak Wo Road	831182.83	839966.95	831167.77	839906.16	11.0	17.0	13.6	-	4.6	4	M1	
170	L054b	L054b_05	Pak Wo Road	831167.77	839906.16	831149.06	839835.29	11.0	17.0	13.0	-	4.0	1	M1	
171	L054b	L054b_06	Pak Wo Road	831149.06	839835.29	831147.38	839798.83	11.0	17.0	12.0	-	3.0	1	M1	
172	L054b	L054b_07	Pak Wo Road	831147.38	839798.83	831152.31	839794.30	11.0	17.0	10.3	-	1.3	1	M1	
173	L054b	L054b_08	Pak Wo Road	831152.31	839794.30	831167.33	839730.28	11.0	17.0	10.1	-	1.1	1	M1	
174	L055	L055_01	Fanling Highway	830968.73	840016.99	831009.97	839988.06	7.0	10.0	9.9	7.0	7.9	1	M1	1-side cantilever on Left-side
175	L055	L055_02	Fanling Highway	831010.20	839998.05	831070.33	839972.18	7.0	10.0	9.9	7.0	7.9	1	M1	1-side cantilever on Left-side
176	L056a	L056a_01	Fanling Highway	831070.33	839974.18	831263.72	839921.35	17.0	17.0	10.2	7.0	8.2	1	M1	2-side cantilever
177	L056a	L056a_02	Fanling Highway	831263.72	839921.35	831354.32	839888.93	17.0	17.0	10.5	7.0	8.5	1	M1	2-side cantilever
178	L056b	L056b_01	Fanling Highway	831259.34	839903.10	831067.32	839954.43	17.0	17.0	10.5	7.0	8.5	1	M1	2-side cantilever
179	L056b	L056b_02	Fanling Highway	831346.57	839871.53	831259.34	839903.10	17.0	17.0	9.7	7.0	7.7	1	M1	2-side cantilever
180	L056c	L056c_01	Fanling Highway	830956.96	840007.79	831070.76	839976.13	13.0	16.0	11.1	7.0	9.1	1	M1	1-side cantilever on Right-side
181	L056d	L056d_01	Fanling Highway	831067.32	839952.43	830956.75	839966.58	13.0	16.0	11.3	7.0	9.3	1	M1	1-side cantilever on Right-side
182	L057a	L057a_01	Fanling Highway	831355.17	839890.74	831459.60	839841.11	13.0	16.0	11.8	7.0	9.8	1	M1	1-side cantilever on Right-side
183	L057a	L057a_02	Fanling Highway	831459.60	839841.11	831533.95	839797.26	13.0	16.0	11.8	7.0	9.8	1	M1	1-side cantilever on Right-side
184	L057a	L057a_03	Fanling Highway	831533.11	839795.45	831603.69	839754.84	13.0	16.0	11.8	7.0	9.8	1	M1	1-side cantilever on Right-side
185	L057a	L057a_04	Fanling Highway	831604.91	839756.41	831691.23	839702.86	13.0	16.0	11.8	7.0	9.8	1	M1	1-side cantilever on Right-side
186	L057a	L057a_05	Fanling Highway	831691.23	839702.86	831782.65	839638.44	13.0	16.0	11.7	7.0	9.7	1	M1	1-side cantilever on Right-side
187	L057b	L057b_01	Fanling Highway	831782.65	839638.44	831678.15	839690.50	13.0	16.0	11.7	7.0	9.7	1	M1	1-side cantilever on Left-side, vertical barrier on Right-side
188	L057b	L057b_02	Fanling Highway	831678.15	839638.44	831595.71	839741.74	13.0	16.0	11.8	7.0	9.8	1	M1	1-side cantilever on Left-side, vertical barrier on Right-side
189	L057b	L057b_03	Fanling Highway	831595.71	839741.74	831525.86	839793.43	13.0	16.0	11.8	7.0	9.8	1	M1	1-side cantilever on Left-side, vertical barrier on Right-side
190	L057b	L057b_04	Fanling Highway	831525.86	839793.43	831453.92	839824.51	13.0	16.0	11.8	7.0	9.8	1	M1	1-side cantilever on Left-side, vertical barrier on Right-side
191	L057b	L057b_05	Fanling Highway	831453.92	839824.51	831346.57	839871.53	13.0	16.0	11.8	7.0	9.8	1	M1	1-side cantilever on Left-side, vertical barrier on Right-side
192	L058	L058_01	Fanling Highway Slip Road	831353.20	83987.23	831412.60	839874.14	6.0	9.0	12.0	7.0	10.0	1	M1	1-side cantilever on Left-side
193	L058	L058_02	Fanling Highway Slip Road	831412.60	83987.23	831521.57	839834.52	6.0	9.0	16.0	7.0	14.0	1	M2	1-side cantilever on Right-side
194	L059	L059_01	Fanling Highway Slip Road	831520.73	839832.71	831559.18	839812.45	8.0	14.0	18.3	-	9.3	1	M1	
195	L060	L060_01	So Kwun Po Interchange	831559.18	839812.45	831592.53	839805.28	10.0	16.0	18.6	-	9.6	1	M1	
196	L061	L061_01	So Kwun Po Interchange	831592.53	839805.28	831604.66	839782.77	10.0	16.0	18.7	-	9.7	1	M1	
197	L062	L062_01	So Kwun Po Interchange	831604.66	839782.77	831596.77	839747.65	8.0	14.0	18.7	-	9.7	4	M1	
198	L062	L062_02	So Kwun Po Interchange	831596.77	839747.65	831573.37	839725.71	8.0	14.0	18.7	-	9.7	4	M1	
199	L063	L063_01	So Kwun Po Interchange	83											

Appendix 3.3 – Road Configurations for CALINE4 Model

		Base Case (i.e. Without Project Scenario)						Base mPD				9.0			
No.	Road ID	Road Code	Road Name	Starting Coordinate		Ending Coordinate		Actual Average Width	Model Width	Actual Average Height	Vertical Barrier/Cantilever Height Adjustment	Model Height	Road Type	Road Grouping	Vertical Barrier/Cantilever Type
(#)	(ID)	(ID)	(Name)	X	Y	X	Y	(m)	(m)	(mPD)	(m)	(mAG)	(Type Code)	(Group)	(Type)
245	L083b	L083b_01	Po Wing Road	831248.63	839764.81	831186.65	839722.77	5.5	11.5	10.0	-	1.0	1	M1	
246	L084a	L084a_01	Wai Wo Street	831248.63	839764.81	831228.14	839609.09	7.5	13.5	9.7	-	0.7	1	M1	
247	L084b	L084b_01	Wai Wo Street	831228.14	839609.09	831248.63	839764.81	7.5	13.5	9.7	-	0.7	1	M1	
248	L085a	L085a_01	Po Wing Road	831247.11	839768.10	831287.86	839777.61	13.5	19.5	10.6	-	1.6	1	M1	
249	L085a	L085a_02	Po Wing Road	831287.86	839777.61	831413.01	839738.06	10.5	16.5	10.4	-	1.4	1	M1	
250	L085b	L085b_01	Po Wing Road	831413.01	839738.06	831287.86	839777.61	10.5	16.5	10.4	-	1.4	1	M1	
251	L085b	L085b_02	Po Wing Road	831287.86	839777.61	831247.11	839768.10	13.5	19.5	10.6	-	1.6	1	M1	
252	L086a	L086a_01	Pak Wo Road	831167.33	839730.29	831243.85	839652.66	7.0	13.0	10.6	-	1.6	1	M1	
253	L086a	L086a_02	Pak Wo Road	831243.85	839652.66	831308.61	839608.68	7.5	13.5	10.7	-	1.7	1	M1	
254	L086b	L086b_01	Pak Wo Road	831299.80	839597.68	831231.55	839644.70	7.5	13.5	10.9	-	1.9	1	M1	
255	L086b	L086b_02	Pak Wo Road	831231.55	839644.70	831158.06	839723.71	10.0	16.0	10.9	-	1.9	1	M1	
256	L087a	L087a_01	Ching Hui Road	831253.77	839523.00	831308.61	839608.68	15.5	21.5	11.4	-	2.4	1	M1	
257	L087b	L087b_01	Ching Hui Road	831308.61	839608.68	831253.77	839523.00	15.5	21.5	11.4	-	2.4	1	M1	
258	L088a	L088a_01	Ching Hui Road	831180.41	839450.92	831221.84	839479.93	14.5	20.5	11.3	-	2.3	1	M1	
259	L088a	L088a_02	Ching Hui Road	831221.84	839479.93	831253.77	839523.00	14.5	20.5	11.4	-	2.4	1	M1	
260	L088b	L088b_01	Ching Hui Road	831253.77	839523.00	831221.84	839479.93	14.5	20.5	11.3	-	2.3	1	M1	
261	L088b	L088b_02	Ching Hui Road	831221.84	839479.93	831180.41	839450.92	14.5	20.5	11.4	-	2.4	1	M1	
262	L089a	L089a_01	Ching Hui Road	830897.72	839440.46	830943.73	839424.09	13.5	19.5	11.5	-	2.5	1	M1	
263	L089a	L089a_02	Ching Hui Road	830943.73	839424.09	831142.46	839438.69	13.5	19.5	11.5	-	2.5	1	M1	
264	L089a	L089a_03	Ching Hui Road	831142.46	839438.69	831180.41	839450.92	14.0	20.0	11.4	-	2.4	1	M1	
265	L089b	L089b_01	Ching Hui Road	831180.41	839450.92	831142.46	839438.69	14.0	20.0	11.4	-	2.4	1	M1	
266	L089b	L089b_02	Ching Hui Road	831142.46	839438.69	830943.73	839424.09	13.5	19.5	11.5	-	2.5	1	M1	
267	L089b	L089b_03	Ching Hui Road	830943.73	839424.09	830897.72	839440.46	13.5	19.5	11.5	-	2.5	1	M1	
268	L090a	L090a_01	Ching Shing Road	830896.96	839309.96	830899.02	839414.65	11.0	17.0	13.1	-	4.1	1	M1	
269	L090a	L090a_02	Ching Shing Road	830899.02	839414.65	830897.72	839440.46	11.0	17.0	13.1	-	4.1	1	M1	
270	L090b	L090b_01	Ching Shing Road	830897.72	839440.46	830899.02	839414.65	11.0	17.0	13.1	-	4.1	1	M1	
271	L090b	L090b_02	Ching Shing Road	830899.02	839414.65	830896.96	839309.96	11.0	17.0	13.1	-	4.1	1	M1	
272	L091a	L091a_01	Ching Hui Road	830897.72	839440.46	830864.12	839477.93	15.5	21.5	13.0	-	4.0	1	M1	
273	L091a	L091a_02	Ching Hui Road	830864.12	839477.93	830845.23	839534.86	15.5	21.5	13.0	-	4.0	1	M1	
274	L091b	L091b_01	Ching Hui Road	830845.23	839534.86	830864.12	839477.93	15.5	21.5	13.0	-	4.0	1	M1	
275	L091b	L091b_02	Ching Hui Road	830864.12	839477.93	830897.72	839440.46	15.5	21.5	13.0	-	4.0	1	M1	
276	L092	L092_01	Pak Wo Road	831547.44	839551.61	831570.48	839548.80	7.5	13.5	11.8	-	2.8	1	M1	
277	L093	L093_01	Pak Wo Road	831570.48	839548.80	831696.03	839503.27	9.5	15.5	11.4	-	3.1	1	M1	
278	L094a	L094a_01	Kat Cheung Crescent	831547.44	839551.61	831563.25	839573.41	7.5	13.5	12.1	-	2.4	1	M1	
279	L094a	L094a_02	Kat Cheung Crescent	831563.25	839573.41	831578.27	839622.88	7.5	13.5	12.2	-	3.2	1	M1	
280	L094a	L094a_03	Kat Cheung Crescent	831578.27	839622.88	831606.68	839635.58	7.5	13.5	11.5	-	2.5	1	M1	
281	L094a	L094a_04	Kat Cheung Crescent	831606.68	839635.58	831707.25	839593.26	7.5	13.5	11.0	-	2.0	1	M1	
282	L094a	L094a_05	Kat Cheung Crescent	831707.25	839593.26	831722.87	839576.63	7.5	13.5	10.8	-	1.8	1	M1	
283	L094a	L094a_06	Kat Cheung Crescent	831722.87	839576.63	831722.87	839555.07	7.5	13.5	10.8	-	1.8	1	M1	
284	L094a	L094a_07	Kat Cheung Crescent	831722.87	839555.07	831689.80	839499.78	7.5	13.5	10.8	-	1.8	1	M1	
285	L094b	L094b_01	Kat Cheung Crescent	831689.80	839499.78	831722.87	839555.07	7.5	13.5	10.8	-	1.8	1	M1	
286	L094b	L094b_02	Kat Cheung Crescent	831722.87	839555.07	831722.87	839576.63	7.5	13.5	10.8	-	1.8	1	M1	
287	L094b	L094b_03	Kat Cheung Crescent	831722.87	839576.63	831707.25	839593.26	7.5	13.5	10.8	-	1.8	1	M1	
288	L094b	L094b_04	Kat Cheung Crescent	831707.25	839593.26	831606.68	839635.58	7.5	13.5	11.0	-	2.0	1	M1	
289	L094b	L094b_05	Kat Cheung Crescent	831606.68	839635.58	831578.27	839622.88	7.5	13.5	11.5	-	2.5	1	M1	
290	L094b	L094b_06	Kat Cheung Crescent	831578.27	839622.88	831563.25	839573.41	7.5	13.5	12.2	-	3.2	1	M1	
291	L094b	L094b_07	Kat Cheung Crescent	831563.25	839573.41	831570.48	839548.80	7.5	13.5	12.1	-	3.1	1	M1	
292	L095a	L095a_01	Yu Tai Road	831637.64	839414.70	831689.80	839499.78	7.5	13.5	11.0	-	2.0	1	M1	
293	L095b	L095b_01	Yu Tai Road	831689.80	839499.78	831637.64	839414.70	7.5	13.5	11.0	-	2.0	1	M1	
294	L096a	L096a_01	Wai Hon Road	831516.20	839481.31	831637.64	839414.70	7.0	13.0	11.2	-	2.2	1	M1	
295	L096a	L096a_02	Wai Hon Road	831637.64	839414.70	831516.20	839481.31	7.0	13.0	11.2	-	2.2	1	M1	
296	L097a	L097a_01	Wai Hon Road	831364.65	839475.30	831472.36	839490.27	7.0	13.0	10.7	-	1.7	1	M1	
297	L097a	L097a_02	Wai Hon Road	831472.36	839490.27	831516.20	839481.31	7.0	13.0	10.9	-	1.9	1	M1	
298	L097b	L097b_01	Wai Hon Road	831516.20	839481.31	831472.36	839490.27	7.0	13.0	10.9	-	1.9	1	M1	
299	L097b	L097b_02	Wai Hon Road	831472.36	839490.27	831364.65	839475.30	7.0	13.0	10.7	-	1.7	1	M1	
300	L098a	L098a_01	Yu Tai Road	831516.20	839481.31	831498.96	839420.54	7.5	13.5	12.4	-	3.4	1	M1	
301	L098a	L098a_02	Yu Tai Road	831498.96	839420.54	831506.56	839393.54	7.5	13.5	12.6	-	3.6	1	M1	
302	L098a	L098a_03	Yu Tai Road	831506.56	839393.54	831576.20	839348.89	7.5	13.5	12.8	-	3.8	1	M1	
303	L098a	L098a_04	Yu Tai Road	831576.20	839348.89	831600.94	839355.86	7.5	13.5	11.6	-	2.6	1	M1	
304	L098a	L098a_05	Yu Tai Road	831600.94	839355.86	831637.64	839414.70	7.5	13.5	11.6	-	2.6	1	M1	
305	L098b	L098b_01	Yu Tai Road	831637.64	839414.70	831600.94	839355.86	7.5	13.5	11.6	-	2.6	1	M1	
306	L098b	L098b_02	Yu Tai Road	831600.94	839355.86	831576.20	839348.89	7.5	13.5	11.6	-	2.6	1	M1	
307	L098b	L098b_03	Yu Tai Road	831576.20	839348.89	831506.56	839393.54	7.5	13.5	12.8	-	3.8	1	M1	
308	L098b	L098b_04	Yu Tai Road	831506.56	839393.54	831498.96	839420.54	7.5	13.5	12.6	-	3.6	1	M1	
309	L098b	L098b_05	Yu Tai Road	831498.96	839420.54	831516.20	839481.31	7.5	13.5	12.4	-	3.4	1	M1	
310	L099a	L099a_01	Pak Wo Road	831629.31	839602.20	831787.96	839127.21	7.5	13.5	17.5	-	8.5	1	M1	
311	L099a	L099a_02	Pak Wo Road	831787.96	839127.21	831784.14	839173.96	10.5	16.5	15.1	-	6.1	1	M1	
312	L099a	L099a_03	Pak Wo Road	831784.14	839173.96	831613.56	839275.54	7.5	13.5	15.1	-	6.1	1	M1	
313	L099a	L099a_04	Pak Wo Road	831613.56	839275.54	831817.19	839337.41	7.5	13.5	12.2	-	3.2	1	M1	
314	L099a	L099a_05	Pak Wo Road	831817.19	839337.41	831795.62	839403.11	7.5	13.5	12.2	-	3.2	1	M1	
315	L099a	L099a_06	Pak Wo Road	831795.62	839403.11	831750.08	839454.70	7.5	13.5	12.2	-	3.2	1	M1	
316	L099a	L099a_07	Pak Wo Road	831750.08	839454.70	831686.79	839464.86	10.5	16.5	10.9	-	1.9	1	M1	
317	L099b	L099b_01	Pak Wo Road	831695.03	839503.27	831767.17	839456.18	7.5	13.5	11.6	-	2.6	1	M1	
318	L099b	L099b_02	Pak Wo Road	831767.17	839456.18	831810.63	839399.62	7.5	13.5	13.6	-	4.6	1	M1	
319	L099b	L099b_03	Pak Wo Road	831810.63	839399.62	831829.34	839335.17	7.5	13.5	14.9	-	5.9	1	M1	
320	L099b	L099b_04	Pak Wo Road	831829.34	839335.17	831827.47	839283.00	7.5	13.5	14.9	-	5.9	1	M1	
321	L099b	L099b_05	Pak Wo Road	831827.47	839283.00	831795.03	839157.40	10.5	16.5	16.7	-	7.7	1	M1	
322	L099b	L099b_06	Pak Wo Road	831795.03	839157.40	831808.92	839113.91	7.5	13.5						

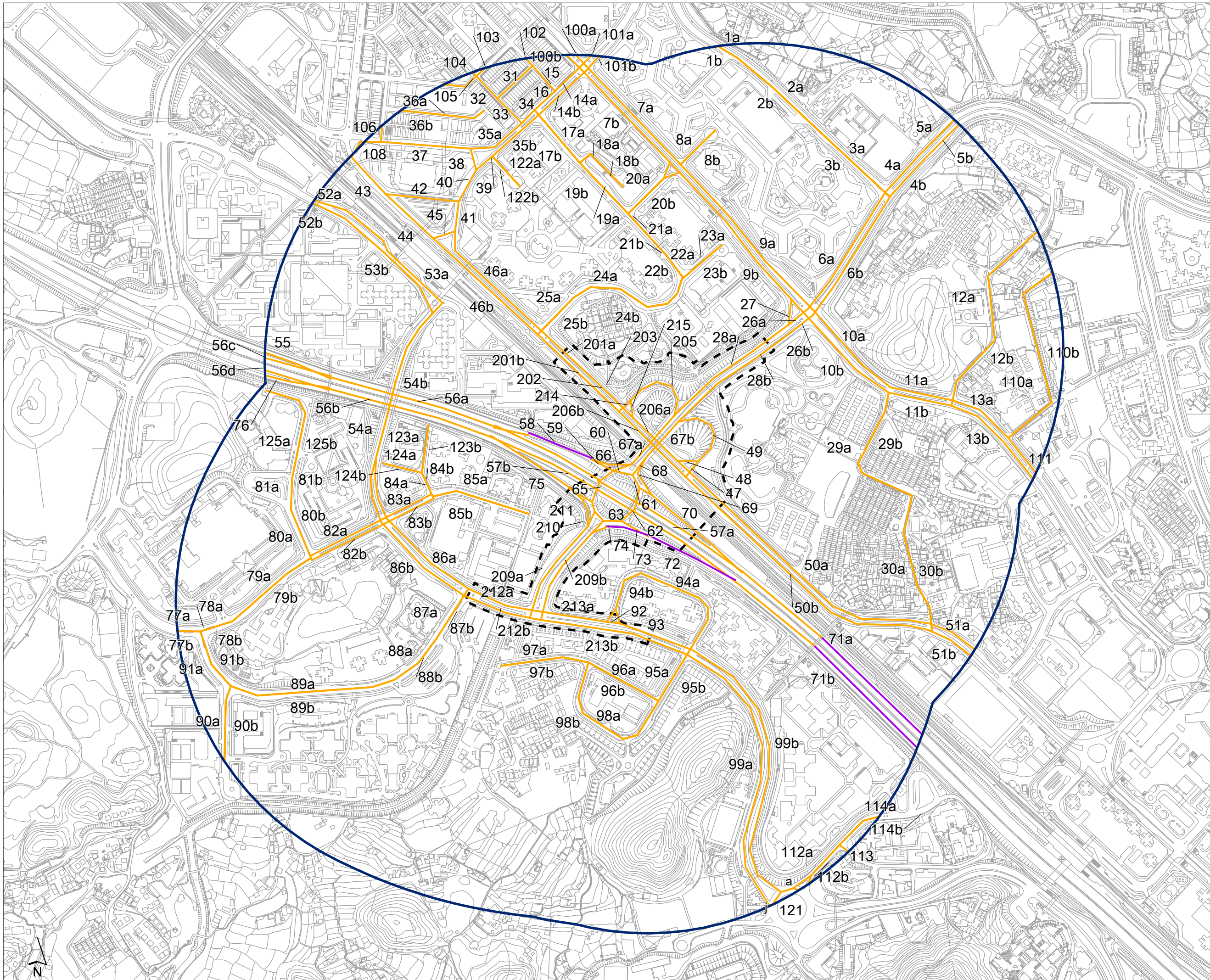
Appendix 3.3 – Road Configurations for CALINE4 Model

Base Case (i.e. Without Project Scenario)

Base mPD

9.0

No.	Road ID	Road Code	Road Name	Starting Coordinate		Ending Coordinate		Actual Average Width	Model Width	Actual Average Height	Vertical Barrier/Cantilever Height Adjustment	Model Height	Road Type	Road Grouping	Vertical Barrier/Cantilever Type
				X	Y	X	Y								
367	L201a	L201a_01	San Wan Road	831434.78	840054.54	831517.80	839977.45	10.0	16.0	9.9	-	0.9	1	M1	-
368	L201b	L201b_01	San Wan Road	831568.88	839915.03	831428.69	840048.29	7.5	13.5	10.0	-	1.0	1	M1	-
369	L202	L202_01	San Wan Road	831517.80	839977.45	831558.93	839938.45	6.5	12.5	10.8	-	1.8	1	M1	-
370	L202	L202_02	San Wan Road	831558.93	839938.45	831575.55	839921.51	6.5	12.5	11.1	-	2.1	1	M1	-
371	L205	L205_01	So Kwun Po Slip Road	831665.21	839908.66	831670.87	839935.91	6.5	12.5	17.8	-	8.8	1	M1	-
372	L205	L205_02	So Kwun Po Slip Road	831670.87	839935.91	831659.40	839958.92	6.5	12.5	17.8	-	8.8	1	M1	-
373	L205	L205_03	So Kwun Po Slip Road	831659.40	839958.92	831633.85	839966.13	6.5	12.5	14.9	-	5.9	1	M1	-
374	L205	L205_04	So Kwun Po Slip Road	831633.85	839966.13	831608.12	839953.17	7.0	13.0	12.2	-	3.2	1	M1	-
375	L205	L205_05	So Kwun Po Slip Road	831608.12	839953.17	831589.49	839934.13	7.5	13.5	10.9	-	1.9	1	M1	-
376	L206a	L206a_01	San Wan Road	831575.55	839921.51	831670.02	839829.76	10.5	16.5	10.7	-	1.7	1	M1	-
377	L206a	L206a_02	San Wan Road	831670.02	839829.76	831690.85	839810.38	8.5	14.5	10.5	-	1.5	1	M1	-
378	L206b	L206b_01	San Wan Road	831684.28	839801.80	831568.88	839915.03	8.0	14.0	10.8	-	1.8	1	M1	-
379	L209a	L209a_01	So Kwun Po Road	831414.72	839558.30	831433.16	839617.83	10.0	16.0	10.6	-	1.6	1	M1	-
380	L209a	L209a_02	So Kwun Po Road	831433.16	839617.83	831460.15	839655.10	10.0	16.0	11.0	-	2.0	1	M1	-
381	L209a	L209a_03	So Kwun Po Road	831460.15	839655.10	831514.66	839715.82	10.0	16.0	11.3	-	2.3	1	M1	-
382	L209b	L209b_01	So Kwun Po Road	831542.31	839725.93	831522.49	839705.19	10.0	16.0	16.5	-	7.5	1	M1	-
383	L209b	L209b_02	So Kwun Po Road	831522.49	839705.19	831471.61	839648.67	11.5	17.5	13.2	-	4.2	1	M1	-
384	L209b	L209b_03	So Kwun Po Road	831471.61	839648.67	831448.65	839613.17	13.5	19.5	13.2	-	4.2	1	M1	-
385	L209b	L209b_04	So Kwun Po Road	831448.65	839613.17	831433.84	839554.82	13.0	19.0	10.3	-	1.3	1	M1	-
386	L210	L210_01	So Kwun Po Road	831514.66	839715.82	831526.98	839741.74	8.5	14.5	13.7	-	4.7	1	M1	-
387	L211	L211_01	So Kwun Po Road	831514.66	839715.82	831515.71	839743.19	5.0	11.0	12.2	-	3.2	1	M1	-
388	L211	L211_02	So Kwun Po Road	831515.71	839743.19	831506.56	839759.67	5.0	11.0	12.2	-	3.2	1	M1	-
389	L211	L211_03	So Kwun Po Road	831507.21	839761.56	831483.31	839783.96	5.0	11.0	10.4	-	1.4	1	M1	-
390	L212a	L212a_01	Pak Wo Road	831308.61	839608.68	831373.97	839579.27	8.0	14.0	10.6	-	1.6	1	M1	-
391	L212a	L212a_02	Pak Wo Road	831373.97	839579.27	831428.21	839569.99	8.0	14.0	10.5	-	1.5	1	M1	-
392	L212b	L212b_01	Pak Wo Road	831425.90	839556.01	831373.91	839566.66	8.0	14.0	10.9	-	1.9	1	M1	-
393	L212b	L212b_02	Pak Wo Road	831373.91	839566.66	831299.80	839597.68	7.0	13.0	10.9	-	1.9	1	M1	-
394	L213a	L213a_01	Pak Wo Road	831428.21	839569.99	831547.44	839551.61	8.0	14.0	11.1	-	2.1	1	M1	-
395	L213b	L213b_01	Pak Wo Road	831686.79	839494.86	831593.58	839530.88	8.0	14.0	11.0	-	2.0	1	M1	-
396	L213b	L213b_02	Pak Wo Road	831593.58	839530.88	831425.90	839556.01	8.0	14.0	11.1	-	2.1	1	M1	-
397	L214	L214_01	So Kwun Po Slip Road	831589.49	839934.13	831568.88	839915.03	7.5	13.5	10.9	-	1.9	1	M1	-
398	L215	L215_01	So Kwun Po Slip Road	831589.49	839934.13	831592.89	839904.66	7.5	13.5	10.9	-	1.9	1	M1	-



Legend

Road Link Grouping

- M1
- M2/M3
- Project Site Boundary for Construction Phase
- 500m Assessment Area

Rev	Description	By	Date

Consultant



Project Title

IMPROVEMENT TO SO KWUN PO INTERCHANGE

Title

Road Configurations and Road Grouping for CALINE4 Input (Without Project Scenario)

Drawing No. Appendix 3.3

Drawn Date: 30/6/2023 Checked Approved

Scale 1:6,000 (A3) Status

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