

관 리 번 호

사 본 번 호

고속국도 제600호선 부산외곽순환 건설공사 일 반 보 고 서 [I]

제12공구 : 이곡 ~ 화전
[준 공]

2017. 12

제6장 선형 계산부

6.1 평면선형 계산서

6.2 종단선형 계산서

EP

EP 좌표	X	198480.34275	방위각	7° 5' 9.74"
	Y	218510.52748		

6.2 종단선형 계산서

6.2.1 본선

가. STA. 0+000~STA.0+210(일반구간,기장방향)

BP

구 분	STATION	지반고	계획고	ELEV	절성고
BP	-2-300.0000	162.06	140.38	140.38	-21.68

측점(STA.)	지 반 고	계 획 고	ELEV	절 성 고	종 거
-2-300.0000	162.06	140.38	140.38	-21.68	0.0000
-2-294.5000	163.19	140.30	140.30	-22.89	0.0000
-2-288.2000	162.76	140.21	140.21	-22.55	0.0000
-2-280.0000	160.00	140.09	140.09	-19.91	0.0000
-2-260.0000	152.08	139.80	139.80	-12.28	0.0000
-2-242.5000	147.35	139.55	139.55	-7.80	0.0000
-2-241.9000	146.75	139.54	139.54	-7.21	0.0000
-2-240.4000	146.55	139.52	139.52	-7.03	0.0000
-2-240.4000	146.05	139.52	139.52	-6.53	0.0000
-2-240.0000	145.95	139.51	139.51	-6.44	0.0000
-2-220.0000	140.54	139.22	139.22	-1.32	0.0000
-2-207.5000	137.55	139.04	139.04	+1.49	0.0000
-2-205.0000	137.55	139.01	139.01	+1.46	0.0000
-2-200.0000	138.03	138.94	138.94	+0.91	0.0000
-2-180.0000	140.10	138.65	138.65	-1.45	0.0000
-2-160.0000	143.34	138.36	138.36	-4.98	0.0000
-2-140.0000	147.79	138.07	138.07	-9.72	0.0000
-2-120.0000	151.07	137.78	137.78	-13.29	0.0000
-2-100.0000	153.23	137.49	137.49	-15.74	0.0000
-2- 80.0000	153.77	137.20	137.20	-16.57	0.0000
-2- 60.0000	152.35	136.91	136.91	-15.44	0.0000
-2- 52.0000	152.12	136.80	136.80	-15.32	0.0000
-2- 40.0000	148.40	136.62	136.62	-11.78	0.0000
-2- 20.0000	142.25	136.33	136.33	-5.92	0.0000

부산외곽순환 고속도로 건설공사 실시설계

-2+ 0.0000	138.03	136.05	136.05	-1.98	0.0000
-1-980.0000	137.04	135.76	135.76	-1.28	0.0000
-1-960.0000	135.32	135.47	135.47	+0.15	0.0000
-1-940.0000	132.22	135.18	135.18	+2.96	0.0000
-1-920.0000	130.88	134.89	134.89	+4.01	0.0000
-1-900.0000	132.22	134.60	134.60	+2.38	0.0000
-1-890.0000	134.03	134.46	134.46	+0.43	0.0000
-1-880.0000	134.06	134.31	134.31	+0.25	0.0000
-1-868.0000	132.26	134.14	134.14	+1.88	0.0000
-1-867.8000	131.66	134.14	134.14	+2.48	0.0000
-1-860.0000	130.46	134.02	134.02	+3.56	0.0000
-1-840.0000	124.68	133.73	133.73	+9.05	0.0000
-1-835.0000	123.79	133.66	133.66	+9.88	0.0000
-1-820.0000	120.36	133.45	133.45	+13.09	0.0000
-1-800.0000	114.93	133.16	133.16	+18.23	0.0000
-1-795.0000	113.63	133.08	133.08	+19.46	0.0000
-1-790.0000	111.64	133.01	133.01	+21.37	0.0000
-1-780.0000	106.20	132.87	132.87	+26.67	0.0000
-1-760.0000	92.82	132.58	132.58	+39.76	0.0000
-1-757.7000	92.01	132.55	132.55	+40.54	0.0000
-1-754.9000	90.26	132.50	132.50	+42.24	0.0000
-1-754.8000	90.26	132.50	132.50	+42.24	0.0000
-1-754.8000	90.06	132.50	132.50	+42.44	0.0000
-1-754.4000	90.06	132.50	132.50	+42.44	0.0000
-1-754.4000	90.26	132.50	132.50	+42.24	0.0000
-1-754.3000	90.26	132.50	132.50	+42.24	0.0000
-1-753.7000	90.36	132.49	132.49	+42.13	0.0000
-1-752.7000	89.51	132.47	132.47	+42.96	0.0000
-1-750.0000	89.51	132.43	132.43	+42.92	0.0000
-1-749.2000	89.51	132.42	132.42	+42.91	0.0000
-1-748.8000	89.81	132.42	132.42	+42.61	0.0000
-1-748.4000	89.81	132.41	132.41	+42.60	0.0000
-1-747.8000	88.92	132.40	132.40	+43.48	0.0000
-1-745.0000	89.92	132.36	132.36	+42.44	0.0000
-1-740.0000	88.92	132.29	132.29	+43.37	0.0000
-1-729.3000	88.92	132.13	132.13	+43.21	0.0000
-1-727.8000	89.17	132.11	132.11	+42.94	0.0000
-1-721.0000	89.17	132.01	132.01	+42.84	0.0000
-1-720.0000	89.36	132.00	132.00	+42.64	0.0000
-1-719.5000	89.25	131.99	131.99	+42.74	0.0000
-1-705.0000	89.25	131.78	131.78	+42.53	0.0000
-1-700.0000	89.25	131.71	131.71	+42.46	0.0000
-1-700.0000	89.25	131.71	131.71	+42.46	0.0000
-1-698.0000	89.25	131.68	131.68	+42.43	0.0000
-1-695.5000	90.16	131.65	131.65	+41.49	0.0000

-1-692.7000	90.16	131.61	131.61	+41.45	0.0000
-1-692.2000	87.97	131.60	131.60	+43.63	0.0000
-1-690.6000	87.80	131.58	131.58	+43.78	0.0000
-1-690.1000	86.98	131.57	131.57	+44.59	0.0000
-1-681.2000	86.98	131.44	131.44	+44.46	0.0000
-1-681.0000	87.88	131.44	131.44	+43.56	0.0000
-1-680.0000	87.98	131.42	131.42	+43.44	0.0000
-1-676.9000	87.73	131.38	131.38	+43.65	0.0000
-1-676.4000	88.34	131.37	131.37	+43.03	0.0000
-1-673.1000	88.34	131.32	131.32	+42.98	0.0000
-1-671.2000	89.43	131.30	131.30	+41.87	0.0000
-1-667.0000	89.63	131.23	131.23	+41.60	0.0000
-1-660.0000	89.63	131.13	131.13	+41.50	0.0000
-1-658.0000	89.63	131.10	131.10	+41.47	0.0000
-1-657.5000	89.77	131.10	131.10	+41.33	0.0000
-1-655.0000	89.77	131.06	131.06	+41.29	0.0000
-1-648.5000	89.77	130.97	130.97	+41.20	0.0000
-1-647.5000	91.07	130.95	130.95	+39.88	0.0000
-1-644.5000	91.27	130.91	130.91	+39.64	0.0000
-1-641.5000	93.55	130.87	130.87	+37.32	0.0000
-1-640.0000	93.35	130.84	130.84	+37.49	0.0000
-1-638.2000	93.74	130.82	130.82	+37.08	0.0000
-1-637.7000	94.24	130.81	130.81	+36.57	0.0000
-1-620.0000	99.58	130.56	130.56	+30.98	0.0000
-1-615.0000	101.10	130.48	130.48	+29.38	0.0000
-1-610.0000	102.72	130.41	130.41	+27.69	0.0000
-1-600.0000	105.32	130.27	130.27	+24.95	0.0000
-1-580.0000	108.63	129.98	129.98	+21.35	0.0000
-1-570.0000	109.48	129.83	129.83	+20.35	0.0000
-1-565.0000	109.79	129.76	129.76	+19.97	0.0000
-1-560.0000	109.92	129.69	129.69	+19.77	0.0000
-1-540.0000	108.53	129.40	129.40	+20.87	0.0000
-1-525.0000	106.52	129.18	129.18	+22.66	0.0000
-1-520.0000	105.91	129.11	129.11	+23.20	0.0000
-1-500.0000	104.16	128.82	128.82	+24.66	0.0000
-1-493.5000	103.88	128.73	128.73	+24.85	0.0000
-1-493.5000	103.78	128.73	128.73	+24.95	0.0000
-1-483.0000	103.27	128.58	128.58	+25.31	0.0000
-1-483.0000	103.37	128.58	128.58	+25.21	0.0000
-1-481.5000	103.25	128.55	128.55	+25.30	0.0000
-1-480.0000	104.20	128.53	128.53	+24.33	0.0000
-1-479.4000	104.80	128.52	128.52	+23.72	0.0000
-1-475.9000	105.30	128.47	128.47	+23.17	0.0000
-1-475.0000	105.53	128.46	128.46	+22.93	0.0000
-1-460.0000	107.51	128.24	128.24	+20.73	0.0000

부산외곽순환 고속도로 건설공사 실시설계

-1-447.5000	108.80	128.06	128.06	+19.26	0.0000
-1-440.0000	108.24	127.95	127.95	+19.71	0.0000
-1-435.0000	108.32	127.88	127.88	+19.56	0.0000
-1-430.0000	108.44	127.81	127.81	+19.37	0.0000
-1-420.0000	108.56	127.67	127.67	+19.11	0.0000
-1-411.0000	108.34	127.54	127.54	+19.20	0.0000
-1-406.5000	107.28	127.47	127.47	+20.19	0.0000
-1-403.0000	107.35	127.42	127.42	+20.07	0.0000
-1-401.5000	106.23	127.40	127.40	+21.17	0.0000
-1-400.0000	106.23	127.38	127.38	+21.15	0.0000
-1-390.0000	106.23	127.23	127.23	+21.00	0.0000
-1-385.0000	106.23	127.16	127.16	+20.93	0.0000
-1-380.0000	106.23	127.09	127.09	+20.86	0.0000
-1-360.0000	106.23	126.80	126.80	+20.57	0.0000
-1-345.0000	106.23	126.58	126.58	+20.35	0.0000
-1-341.4000	106.23	126.53	126.53	+20.30	0.0000
-1-340.0000	106.40	126.51	126.51	+20.11	0.0000
-1-338.0000	107.38	126.48	126.48	+19.10	0.0000
-1-320.0000	107.38	126.22	126.22	+18.84	0.0000
-1-318.5000	108.70	126.20	126.20	+17.50	0.0000
-1-312.7000	108.70	126.12	126.12	+17.42	0.0000
-1-312.1000	109.68	126.11	126.11	+16.43	0.0000
-1-304.9000	109.68	126.00	126.00	+16.32	0.0000
-1-301.1000	112.72	125.95	125.95	+13.23	0.0000
-1-300.0000	112.72	125.93	125.93	+13.21	0.0000
-1-295.0000	112.72	125.86	125.86	+13.14	0.0000
-1-280.0000	112.72	125.64	125.64	+12.92	0.0000
-1-277.0000	112.76	125.60	125.60	+12.84	0.0000
-1-276.6000	112.36	125.59	125.59	+13.23	0.0000
-1-276.2000	112.36	125.59	125.59	+13.23	0.0000
-1-275.8000	112.78	125.58	125.58	+12.80	0.0000
-1-260.0000	120.35	125.35	125.35	+5.00	0.0000
-1-255.0000	122.62	125.28	125.28	+2.66	0.0000
-1-255.0000	121.91	125.28	125.28	+3.37	0.0000
-1-250.0000	124.39	125.21	125.21	+0.82	0.0000
-1-240.0000	126.58	125.07	125.07	-1.51	0.0000
-1-220.0000	130.59	124.78	124.78	-5.81	0.0000
-1-200.0000	134.80	124.49	124.49	-10.31	0.0000

VIP STATION 0-990.0000

구 분	STATION	지반고	계획고	ELEV	절성고	종 거	구 배	길 이
BVC	-1-190.0000	136.87	124.34	124.34	-12.53	0.0000	-1.4448	400.00
VIP	0-990.0000	113.44	123.56	121.45	+10.12	2.1072		
EVC	0-790.0000	145.96	126.99	126.99	-18.97	0.0000	+2.7696	

중단곡선변화비율(K) = 94.91

측점(STA.)	지 반 고	계 획 고	ELEV	절 성 고	종 거
-1-180.0000	138.93	124.20	124.20	-14.73	0.0053
-1-180.0000	138.93	124.20	124.20	-14.73	0.0053
-1-178.1000	139.13	124.18	124.17	-14.95	0.0075
-1-177.3000	138.35	124.17	124.16	-14.18	0.0085
-1-164.3000	137.50	124.01	123.97	-13.49	0.0348
-1-160.0000	136.58	123.96	123.91	-12.62	0.0474
-1-148.7000	134.49	123.84	123.75	-10.65	0.0899
-1-145.0000	133.39	123.80	123.69	-9.59	0.1067
-1-140.0000	133.09	123.75	123.62	-9.34	0.1317
-1-137.3000	132.65	123.73	123.58	-8.92	0.1463
-1-134.1000	132.65	123.70	123.54	-8.95	0.1646
-1-130.7000	130.99	123.67	123.49	-7.32	0.1853
-1-120.0000	130.99	123.59	123.33	-7.40	0.2581
-1-117.3000	127.44	123.57	123.29	-3.87	0.2784
-1-108.2000	129.44	123.51	123.16	-5.93	0.3525
-1-100.0000	126.03	123.47	123.04	-2.56	0.4267
-1- 99.1000	125.85	123.46	123.03	-2.38	0.4353
-1- 89.3000	125.85	123.42	122.89	-2.42	0.5342
-1- 80.2000	122.81	123.39	122.76	-0.58	0.6351
-1- 80.2000	122.51	123.39	122.76	+0.88	0.6351
-1- 80.0000	122.51	123.39	122.75	-0.88	0.6374
-1- 79.8000	122.51	123.39	122.75	+0.88	0.6398
-1- 79.8000	122.81	123.39	122.75	+0.58	0.6398
-1- 79.7000	122.81	123.39	122.75	+0.58	0.6409
-1- 79.7000	122.65	123.39	122.75	-0.74	0.6409
-1- 73.5000	122.65	123.37	122.66	+0.72	0.7150
-1- 66.2000	119.58	123.36	122.55	-3.78	0.8074
-1- 60.0000	119.58	123.35	122.46	+3.77	0.8903
-1- 57.4000	119.58	123.35	122.43	-3.77	0.9263
-1- 54.4000	117.83	123.35	122.38	+5.53	0.9687
-1- 40.3000	117.83	123.36	122.18	-5.53	1.1806
-1- 40.0000	117.93	123.36	122.18	+5.43	1.1853
-1- 36.6000	116.25	123.37	122.13	-7.12	1.2397

부산외곽순환 고속도로 건설공사 실시설계

-1- 20.0000	116.25	123.41	121.89	+7.16	1.5225
-1- 12.4000	116.25	123.44	121.78	+7.19	1.6616
-1- 11.5000	115.72	123.44	121.76	+7.72	1.6785
-1- 8.9000	115.72	123.45	121.73	+7.73	1.7278
-1- 8.5000	115.29	123.46	121.72	+8.17	1.7354
-1- 1.6000	115.29	123.49	121.62	+8.20	1.8699
-1- 0.7000	114.77	123.50	121.61	+8.73	1.8878
-1+ 0.0000	114.77	123.50	121.60	+8.73	1.9018
0-995.0000	114.77	123.53	121.53	+8.76	2.0032
0-994.6000	113.97	123.53	121.52	+9.56	2.0114
0-990.6000	113.97	123.56	121.46	+9.59	2.0946
0-989.4000	112.91	123.56	121.47	+10.65	2.0946
0-987.0000	112.91	123.58	121.54	+10.67	2.0445
0-983.9000	115.21	123.60	121.62	+8.39	1.9806
0-980.0000	115.31	123.63	121.73	+8.32	1.9018
0-966.7000	118.58	123.74	122.10	+5.16	1.6448
0-960.0000	118.68	123.81	122.28	+5.13	1.5225
0-940.0000	118.80	124.02	122.84	+5.22	1.1853
0-922.2000	119.03	124.25	123.33	+5.22	0.9207
0-920.2000	118.44	124.28	123.39	+5.84	0.8930
0-920.0000	118.24	124.28	123.39	+6.04	0.8903
0-912.0000	118.24	124.40	123.61	+6.16	0.7841
0-911.0000	119.28	124.41	123.64	+5.13	0.7713
0-906.0000	119.28	124.49	123.78	+5.21	0.7089
0-905.3000	118.66	124.50	123.80	+5.84	0.7003
0-904.8000	118.66	124.51	123.81	+5.85	0.6943
0-904.0000	119.46	124.52	123.83	+5.06	0.6846
0-900.0000	119.46	124.58	123.95	+5.12	0.6374
0-883.7000	119.46	124.86	124.40	+5.40	0.4625
0-883.0000	119.62	124.87	124.42	+5.25	0.4556
0-882.6000	119.42	124.88	124.43	+5.46	0.4517
0-880.0000	119.42	124.93	124.50	+5.51	0.4267
0-873.8000	124.42	125.04	124.67	+0.62	0.3699
0-863.8000	124.42	125.24	124.95	+0.82	0.2869
0-862.8000	124.02	125.26	124.98	+1.24	0.2792
0-860.0000	127.57	125.31	125.05	-2.26	0.2581
0-840.0000	133.04	125.74	125.61	-7.30	0.1317
0-820.0000	139.32	126.21	126.16	-13.11	0.0474
0-800.0000	143.99	126.72	126.72	-17.27	0.0053
0-780.0000	147.93	127.27	127.27	-20.66	0.0000
0-760.0000	151.29	127.82	127.82	-23.47	0.0000
0-751.5000	152.15	128.06	128.06	-24.09	0.0000
0-745.0000	151.94	128.24	128.24	-23.70	0.0000
0-742.0000	151.64	128.32	128.32	-23.32	0.0000
0-740.0000	151.79	128.38	128.38	-23.41	0.0000

0-736.5000	153.88	128.47	128.47	-25.41	0.0000
0-734.0000	153.68	128.54	128.54	-25.14	0.0000
0-729.5000	155.72	128.67	128.67	-27.05	0.0000
0-720.0000	157.10	128.93	128.93	-28.17	0.0000
0-700.0000	158.71	129.48	129.48	-29.23	0.0000
0-690.0000	157.64	129.76	129.76	-27.88	0.0000
0-680.0000	152.86	130.04	130.04	-22.82	0.0000
0-677.0000	151.66	130.12	130.12	-21.54	0.0000
0-669.5000	152.06	130.33	130.33	-21.73	0.0000
0-667.5000	153.70	130.39	130.39	-23.31	0.0000
0-660.5000	153.70	130.58	130.58	-23.12	0.0000
0-660.0000	153.49	130.59	130.59	-22.90	0.0000
0-657.0000	151.40	130.68	130.68	-20.72	0.0000
0-640.0000	151.40	131.15	131.15	-20.25	0.0000
0-620.0000	151.40	131.70	131.70	-19.70	0.0000
0-607.5000	151.40	132.05	132.05	-19.35	0.0000
0-607.0000	153.25	132.06	132.06	-21.19	0.0000
0-606.0000	153.25	132.09	132.09	-21.16	0.0000
0-603.5000	153.75	132.16	132.16	-21.59	0.0000
0-600.0000	153.75	132.25	132.25	-21.50	0.0000
0-594.5000	153.75	132.41	132.41	-21.34	0.0000
0-588.7000	156.55	132.57	132.57	-23.98	0.0000
0-584.7000	156.65	132.68	132.68	-23.97	0.0000
0-580.0000	159.72	132.81	132.81	-26.91	0.0000
0-579.6000	160.02	132.82	132.82	-27.20	0.0000
0-566.5000	161.22	133.18	133.18	-28.04	0.0000
0-563.0000	164.52	133.28	133.28	-31.24	0.0000
0-560.0000	164.72	133.36	133.36	-31.36	0.0000
0-552.2000	165.48	133.58	133.58	-31.90	0.0000
0-550.5000	166.98	133.63	133.63	-33.35	0.0000
0-540.0000	169.08	133.92	133.92	-35.16	0.0000
0-520.0000	172.46	134.47	134.47	-37.99	0.0000
0-500.0000	175.77	135.02	135.02	-40.75	0.0000
0-493.0000	175.09	135.22	135.22	-39.87	0.0000
0-480.0000	172.76	135.58	135.58	-37.18	0.0000
0-460.0000	165.92	136.13	136.13	-29.79	0.0000
0-440.2000	158.51	136.68	136.68	-21.83	0.0000
0-440.0000	157.21	136.69	136.69	-20.52	0.0000
0-436.5000	157.41	136.78	136.78	-20.63	0.0000
0-420.0000	143.90	137.24	137.24	-6.66	0.0000
0-411.0000	137.45	137.49	137.49	+0.04	0.0000
0-408.0000	136.54	137.57	137.57	+1.03	0.0000
0-405.0000	136.34	137.66	137.66	+1.32	0.0000
0-400.0000	136.24	137.79	137.79	+1.55	0.0000
0-399.2000	136.24	137.82	137.82	+1.58	0.0000

부산외곽순환 고속도로 건설공사 실시설계

0-392.5000	133.85	138.00	138.00	-4.15	0.0000
0-389.3000	132.74	138.09	138.09	+5.35	0.0000
0-387.0000	130.54	138.15	138.15	-7.61	0.0000
0-382.9000	130.54	138.27	138.27	+7.73	0.0000
0-382.4000	129.44	138.28	138.28	-8.84	0.0000
0-380.0000	128.94	138.35	138.35	+9.41	0.0000
0-368.3000	140.06	138.67	138.67	-1.39	0.0000
0-360.0000	140.06	138.90	138.90	-1.16	0.0000
0-340.0000	140.20	139.46	139.46	-0.74	0.0000
0-325.6000	140.19	139.85	139.85	-0.34	0.0000
0-320.0000	142.64	140.01	140.01	-2.63	0.0000
0-300.0000	146.39	140.56	140.56	-5.83	0.0000
0-282.0000	148.85	141.06	141.06	-7.78	0.0000
0-280.0000	147.62	141.12	141.12	-6.50	0.0000
0-271.0000	146.63	141.37	141.37	-5.26	0.0000
0-262.2000	142.53	141.61	141.61	-0.92	0.0000
0-261.9000	141.23	141.62	141.62	+0.39	0.0000
0-260.0000	141.23	141.67	141.67	+0.44	0.0000
0-256.0000	141.23	141.78	141.78	+0.55	0.0000
0-248.4000	137.22	141.99	141.99	-4.77	0.0000
0-245.8000	137.22	142.06	142.06	+4.84	0.0000
0-243.6000	136.02	142.13	142.13	+6.11	0.0000
0-240.0000	136.02	142.23	142.23	-6.21	0.0000
0-220.0000	135.91	142.78	142.78	+6.87	0.0000
0-218.4000	135.91	142.82	142.82	-6.91	0.0000
0-217.6000	134.90	142.85	142.85	+7.95	0.0000
0-214.4000	134.90	142.93	142.93	-8.03	0.0000
0-213.6000	133.50	142.96	142.96	-9.46	0.0000
0-210.0000	133.50	143.06	143.06	-9.56	0.0000
0-208.4000	132.00	143.10	143.10	+11.10	0.0000
0-201.8000	131.95	143.28	143.28	+11.33	0.0000
0-200.8000	131.43	143.31	143.31	+11.88	0.0000
0-200.0000	131.43	143.33	143.33	+11.90	0.0000
0-195.5000	131.43	143.46	143.46	-12.03	0.0000
0-193.6000	129.73	143.51	143.51	+13.78	0.0000
0-192.8000	129.73	143.53	143.53	-13.80	0.0000
0-190.8000	130.43	143.59	143.59	-13.16	0.0000
0-180.6000	139.08	143.87	143.87	+4.79	0.0000
0-180.0000	139.08	143.89	143.89	+4.81	0.0000
0-160.0000	139.57	144.44	144.44	-4.87	0.0000
0-158.6000	139.57	144.48	144.48	+4.91	0.0000
0-156.0000	142.57	144.55	144.55	+1.98	0.0000
0-151.8000	146.57	144.67	144.67	-1.90	0.0000
0-151.6000	146.57	144.67	144.67	-1.90	0.0000
0-151.6000	146.27	144.67	144.67	-1.60	0.0000

0-149.1000	146.33	144.74	144.74	-1.59	0.0000
0-148.2000	146.45	144.77	144.77	-1.68	0.0000
0-147.7000	147.58	144.78	144.78	-2.80	0.0000
0-140.0000	151.82	144.99	144.99	-6.83	0.0000
0-120.0000	160.50	145.55	145.55	-14.95	0.0000
0-113.0000	163.06	145.74	145.74	-17.32	0.0000
0-103.6000	169.77	146.00	146.00	-23.77	0.0000
0-100.0000	169.97	146.10	146.10	-23.87	0.0000
0- 80.0000	170.43	146.66	146.66	-23.77	0.0000
0- 67.1000	170.16	147.01	147.01	-23.15	0.0000
0- 60.0000	169.32	147.21	147.21	-22.11	0.0000
0- 53.2000	168.44	147.40	147.40	-21.04	0.0000
0- 51.5000	166.95	147.45	147.45	-19.50	0.0000
0- 47.9000	166.95	147.55	147.55	-19.40	0.0000
0- 47.0000	165.35	147.57	147.57	-17.78	0.0000
0- 46.0000	164.55	147.60	147.60	-16.95	0.0000
0- 40.0000	164.42	147.76	147.76	-16.66	0.0000

VIP STATION 0+240.0000

구 분	STATION	지반고	계획고	ELEV	절성고	종 거	구 배	길 이
BVC	0- 30.0000	163.86	148.04	148.04	-15.82	0.0000	+2.7696	540.00
VIP	0+240.0000		151.76	155.52	+151.76	-3.7595		
EVC	0+510.0000		147.96	147.96	+147.96	0.0000	-2.8000	

종단곡선변화비율(K) = 96.95

측점(STA.)	지 반 고	계 획 고	ELEV	절 성 고	종 거
0- 26.5000	163.66	148.14	148.14	-15.52	-0.0006
0- 26.5000	163.66	148.14	148.14	-15.52	-0.0006
0- 22.0000	160.52	148.26	148.26	-12.26	-0.0033
0- 20.0000	160.32	148.31	148.32	-12.01	-0.0052
0- 17.5000	160.02	148.38	148.39	-11.64	-0.0081
0- 10.5000	156.99	148.56	148.58	-8.43	-0.0196
0- 7.7000	156.29	148.63	148.66	-7.66	-0.0256
0- 3.7000	156.29	148.73	148.77	-7.56	-0.0357
0+ 0.0000	154.97	148.83	148.87	-6.14	-0.0464
0+ 5.6000	152.70	148.96	149.03	-3.74	-0.0654
0+ 9.8000	147.10	149.06	149.14	+1.96	-0.0817
0+ 12.8000	146.90	149.13	149.23	+2.23	-0.0945
0+ 14.0000	146.70	149.16	149.26	+2.46	-0.0998
0+ 20.0000	146.70	149.30	149.43	+2.60	-0.1289
0+ 23.2000	146.70	149.37	149.51	+2.67	-0.1460

부산외곽순환 고속도로 건설공사 실시설계

0+ 26.6000	144.10	149.44	149.61	-5.34	-0.1652
0+ 30.0000	143.28	149.52	149.70	+6.24	-0.1857
0+ 33.0000	143.28	149.58	149.79	+6.30	-0.2047
0+ 34.2000	141.78	149.61	149.82	+7.83	-0.2126
0+ 40.0000	141.78	149.73	149.98	+7.95	-0.2527
0+ 47.7000	141.78	149.88	150.19	+8.10	-0.3113
0+ 49.5000	139.82	149.92	150.24	+10.10	-0.3259
0+ 60.0000	139.32	150.12	150.53	+10.80	-0.4177
0+ 61.5000	137.61	150.14	150.58	+12.53	-0.4318
0- 77.7000	137.61	150.43	151.02	+12.82	-0.5982
0+ 78.5000	137.17	150.44	151.05	+13.27	-0.6071
0+ 80.0000	137.17	150.46	151.09	+13.29	-0.6240
0+ 84.0000	137.17	150.53	151.20	+13.36	-0.6702
0+ 85.0000	136.36	150.54	151.23	+14.18	-0.6820
0+ 92.0000	136.36	150.65	151.42	+14.29	-0.7676
0+ 97.0000	133.10	150.73	151.56	+17.63	-0.8318
0+100.0000	133.10	150.77	151.64	+17.67	-0.8715
0+102.1000	133.08	150.80	151.70	+17.72	-0.8999
0+105.2000	131.56	150.84	151.79	+19.29	-0.9427
0+107.6000	131.56	150.88	151.85	+19.32	-0.9764
0+115.0000	134.21	150.97	152.06	+16.76	-1.0843
0+120.0000	134.40	151.04	152.20	+16.63	-1.1603
0+124.3000	134.82	151.09	152.31	+16.27	-1.2278
0+126.4000	135.40	151.11	152.37	+15.71	-1.2615
0+140.0000	135.40	151.26	152.75	+15.86	-1.4904
0+145.5000	134.06	151.31	152.90	+17.26	-1.5884
0+160.0000	134.08	151.44	153.30	+17.37	-1.8617
0+170.7000	134.11	151.52	153.60	+17.42	-2.0773
0+171.7000	132.93	151.53	153.63	+18.60	-2.0980
0-173.0000	132.93	151.54	153.66	+18.61	-2.1252
0+173.8000	134.36	151.54	153.69	+17.19	-2.1420
0+180.0000	137.61	151.58	153.86	+13.98	-2.2743
0+200.0000	145.15	151.68	154.41	+6.53	-2.7281
0+210.2139	147.67	151.72	154.69	+4.05	-2.9758

EP

구 분	STATION	지반고	계획고	ELEV	절성고
E P	3+219.4801	0.00			

나. STA. 0+210~STA.1+942(분리구간,기장방향)

BP

구 분	STATION	지반고	계획고	ELEV	절성고
BP	-2+300.0000	0.00			

VIP STATION 0-990.0000

구 분	STATION	지반고	계획고	ELEV	절성고	총 거	구 배	길 이
BVC	-1-190.0000		124.34	124.34	+124.34	0.0000	-1.4448	400.00
VIP	0-990.0000		123.56	121.45	+123.56	2.1072		
EVC	0-790.0000		126.99	126.99	+126.99	0.0000	+2.7696	

중단곡선변화비율(K) = 94.91

VIP STATION 0+240.0000

구 분	STATION	지반고	계획고	ELEV	절성고	총 거	구 배	길 이
BVC	0- 30.0000		148.04	148.04	+148.04	0.0000	+2.7696	540.00
VIP	0+240.0000	152.86	151.76	155.52	-1.10	-3.7595		
EVC	0+510.0000	153.86	147.96	147.96	-5.90	0.0000	-2.8000	

중단곡선변화비율(K) = 96.95

측점(STA.)	지 반 고	계 획 고	ELEV	절 성 고	총 거
0+210.2139	147.70	151.72	154.69	+4.02	-2.9758
0+220.0000	149.97	151.74	154.97	+1.78	-3.2232
0+240.0000	152.86	151.76	155.52	-1.10	-3.7595
0+260.0000	156.82	151.74	154.96	-5.09	-3.2232
0+280.0000	160.56	151.67	154.40	-8.89	-2.7281
0+300.0000	164.19	151.57	153.84	-12.63	-2.2743
0+320.0000	165.92	151.42	153.28	-14.51	-1.8617
0+329.0000	165.83	151.34	153.03	-14.49	-1.6895
0+340.0000	165.13	151.23	152.72	-13.90	-1.4904
0+360.0000	162.04	151.00	152.16	-11.04	-1.1603
0+380.0000	158.19	150.73	151.60	-7.46	-0.8715
0+400.0000	155.53	150.42	151.04	-5.11	-0.6240
0+420.0000	151.93	150.06	150.48	-1.86	-0.4177
0+439.7000	147.00	149.67	149.93	+2.68	-0.2549
0+440.0000	146.86	149.67	149.92	+2.80	-0.2527
0+445.0000	146.82	149.56	149.78	+2.74	-0.2179

부산외곽순환 고속도로 건설공사 실시설계

0+445.8000	146.78	149.54	149.76	+2.77	-0.2126
0+450.0000	144.89	149.45	149.64	+4.56	-0.1857
0+453.3000	142.99	149.38	149.55	+6.39	-0.1658
0+455.0000	142.99	149.34	149.50	+6.35	-0.1560
0+456.2000	142.99	149.32	149.47	+6.32	-0.1493
0+458.0000	144.66	149.28	149.42	+4.62	-0.1394
0+458.0000	144.66	149.28	149.42	+4.62	-0.1394
0+459.7000	146.23	149.24	149.37	+3.01	-0.1305
0+460.0000	146.20	149.23	149.36	+3.03	-0.1289
0+465.0000	146.03	149.11	149.22	+3.08	-0.1044
0+470.0000	145.84	149.00	149.08	+3.15	-0.0825
0+475.0000	146.02	148.88	148.94	+2.86	-0.0632
0+476.0000	146.02	148.85	148.91	+2.83	-0.0596
0+478.8000	148.26	148.78	148.83	+0.52	-0.0502
0+480.0000	148.26	148.75	148.80	+0.49	-0.0464
0+481.4000	148.24	148.72	148.76	+0.47	-0.0422
0+483.0000	150.02	148.68	148.72	-1.34	-0.0376
0+483.0000	150.02	148.68	148.72	-1.34	-0.0376
0+485.0000	152.24	148.63	148.66	-3.61	-0.0322
0+485.3000	152.53	148.62	148.65	-3.91	-0.0315
0+488.7000	152.53	148.53	148.56	-3.99	-0.0234
0+489.0000	152.63	148.52	148.55	-4.11	-0.0227
0+490.0000	152.58	148.50	148.52	-4.08	-0.0206
0+492.0000	152.55	148.45	148.46	-4.10	-0.0167
0+493.2000	153.18	148.42	148.43	-4.77	-0.0146
0+495.0000	153.35	148.37	148.38	-4.98	-0.0116
0+500.0000	153.60	148.23	148.24	-5.37	-0.0052
0+505.0000	153.65	148.10	148.10	-5.55	-0.0013
0+510.0000	153.86	147.96	147.96	-5.90	0.0000
0+511.8000	154.00	147.91	147.91	-6.09	0.0000
0+515.0000	155.98	147.82	147.82	-8.16	0.0000
0+520.0000	159.65	147.68	147.68	-11.97	0.0000
0+521.5000	161.75	147.64	147.64	-14.11	0.0000
0+525.0000	163.46	147.54	147.54	-15.92	0.0000
0+530.0000	165.26	147.40	147.40	-17.86	0.0000
0+532.6000	166.33	147.33	147.33	-19.00	0.0000
0+533.0000	166.45	147.32	147.32	-19.14	0.0000
0+535.0000	166.45	147.26	147.26	-19.19	0.0000
0+540.0000	166.98	147.12	147.12	-19.86	0.0000
0+545.0000	168.07	146.98	146.98	-21.09	0.0000
0+550.0000	168.76	146.84	146.84	-21.92	0.0000
0+555.0000	169.09	146.70	146.70	-22.39	0.0000
0+560.0000	169.26	146.56	146.56	-22.70	0.0000
0+565.0000	169.30	146.42	146.42	-22.88	0.0000
0+570.0000	169.34	146.28	146.28	-23.06	0.0000

0+573.0000	169.34	146.20	146.20	-23.15	0.0000
0+575.0000	169.43	146.14	146.14	-23.29	0.0000
0+580.0000	169.82	146.00	146.00	-23.82	0.0000
0+585.0000	169.62	145.86	145.86	-23.76	0.0000
0+590.0000	170.25	145.72	145.72	-24.53	0.0000
0+595.0000	170.12	145.58	145.58	-24.54	0.0000
0+600.0000	172.36	145.44	145.44	-26.92	0.0000
0+620.0000	176.60	144.88	144.88	-31.72	0.0000
0+640.0000	179.51	144.32	144.32	-35.19	0.0000
0+660.0000	184.16	143.76	143.76	-40.40	0.0000
0+680.0000	189.91	143.20	143.20	-46.71	0.0000
0+700.0000	194.97	142.64	142.64	-52.33	0.0000
0+720.0000	195.83	142.08	142.08	-53.75	0.0000
0+740.0000	189.79	141.52	141.52	-48.27	0.0000
0+760.0000	186.45	140.96	140.96	-45.49	0.0000
0+780.0000	188.67	140.40	140.40	-48.27	0.0000
0+800.0000	186.76	139.84	139.84	-46.92	0.0000
0+820.0000	194.03	139.28	139.28	-54.75	0.0000
0+840.0000	200.82	138.72	138.72	-62.10	0.0000
0+860.0000	206.72	138.16	138.16	-68.56	0.0000
0+880.0000	210.12	137.60	137.60	-72.52	0.0000
0+900.0000	215.30	137.04	137.04	-78.26	0.0000
0+920.0000	217.00	136.48	136.48	-80.52	0.0000
0+939.4000	216.34	135.94	135.94	-80.41	0.0000
0+940.0000	216.94	135.92	135.92	-81.02	0.0000
0+946.3000	216.64	135.74	135.74	-80.90	0.0000
0+947.5000	216.34	135.71	135.71	-80.63	0.0000
0+947.8000	216.34	135.70	135.70	-80.64	0.0000
0+951.5000	218.54	135.60	135.60	-82.94	0.0000
0+960.0000	220.86	135.36	135.36	-85.50	0.0000
0+980.0000	227.01	134.80	134.80	-92.21	0.0000
1+ 0.0000	234.41	134.24	134.24	-100.17	0.0000
1+ 20.0000	243.44	133.68	133.68	-109.76	0.0000
1+ 40.0000	253.52	133.12	133.12	-120.40	0.0000
1+ 60.0000	265.23	132.56	132.56	-132.67	0.0000
1+ 80.0000	273.78	132.00	132.00	-141.78	0.0000
1+100.0000	269.44	131.44	131.44	-138.00	0.0000
1+120.0000	256.84	130.88	130.88	-125.96	0.0000
1+140.0000	245.96	130.32	130.32	-115.64	0.0000
1+160.0000	236.63	129.76	129.76	-106.87	0.0000
1+180.0000	227.56	129.20	129.20	-98.36	0.0000
1+200.0000	220.36	128.64	128.64	-91.72	0.0000
1+220.0000	214.98	128.08	128.08	-86.90	0.0000
1+240.0000	210.24	127.52	127.52	-82.72	0.0000
1+260.0000	206.82	126.96	126.96	-79.86	0.0000

부산외곽순환 고속도로 건설공사 실시설계

1+280.0000	205.02	126.40	126.40	-78.62	0.0000
1+300.0000	203.14	125.84	125.84	-77.30	0.0000
1+320.0000	199.12	125.28	125.28	-73.84	0.0000
1+340.0000	198.30	124.72	124.72	-73.58	0.0000
1+360.0000	193.94	124.16	124.16	-69.78	0.0000
1+380.0000	187.20	123.60	123.60	-63.60	0.0000
1+400.0000	175.36	123.04	123.04	-52.32	0.0000
1+420.0000	165.67	122.48	122.48	-43.19	0.0000
1+440.0000	157.82	121.92	121.92	-35.90	0.0000
1+460.0000	152.38	121.36	121.36	-31.02	0.0000
1+465.0000	151.93	121.22	121.22	-30.71	0.0000
1+467.3000	151.90	121.15	121.15	-30.74	0.0000
1+467.7000	151.50	121.14	121.14	-30.35	0.0000
1+468.5000	151.50	121.12	121.12	-30.37	0.0000
1+468.9000	151.90	121.11	121.11	-30.78	0.0000
1+470.0000	152.18	121.08	121.08	-31.10	0.0000
1+470.7000	152.15	121.06	121.06	-31.09	0.0000
1+475.0000	150.92	120.94	120.94	-29.98	0.0000
1+475.9000	150.85	120.91	120.91	-29.94	0.0000
1+478.5000	150.85	120.84	120.84	-30.01	0.0000
1+480.0000	150.62	120.80	120.80	-29.82	0.0000
1+485.0000	148.70	120.66	120.66	-28.04	0.0000
1+490.0000	146.80	120.52	120.52	-26.28	0.0000
1+495.0000	144.92	120.38	120.38	-24.54	0.0000
1+497.0000	144.11	120.32	120.32	-23.79	0.0000
1+500.0000	142.89	120.24	120.24	-22.65	0.0000
1+504.0000	141.30	120.13	120.13	-21.18	0.0000
1+505.0000	141.31	120.10	120.10	-21.21	0.0000
1+508.7000	140.63	120.00	120.00	-20.63	0.0000
1+510.0000	140.26	119.96	119.96	-20.30	0.0000
1+515.0000	139.55	119.82	119.82	-19.73	0.0000
1+520.0000	138.89	119.68	119.68	-19.21	0.0000
1+523.3000	137.56	119.59	119.59	-17.97	0.0000
1+525.0000	137.24	119.54	119.54	-17.70	0.0000
1+529.0000	136.60	119.43	119.43	-17.18	0.0000
1+530.0000	136.60	119.40	119.40	-17.20	0.0000
1+535.0000	135.97	119.26	119.26	-16.72	0.0000
1+540.0000	135.38	119.12	119.12	-16.26	0.0000
1+545.0000	134.72	118.98	118.98	-15.74	0.0000
1+550.0000	134.06	118.84	118.84	-15.22	0.0000
1+555.0000	133.43	118.70	118.70	-14.73	0.0000
1+560.0000	132.80	118.56	118.56	-14.24	0.0000
1+565.0000	132.13	118.42	118.42	-13.71	0.0000
1+570.0000	131.46	118.28	118.28	-13.18	0.0000
1+575.0000	130.80	118.14	118.14	-12.66	0.0000

1+580.0000	130.19	118.00	118.00	-12.19	0.0000
1+585.0000	129.49	117.86	117.86	-11.63	0.0000
1+590.0000	128.80	117.72	117.72	-11.08	0.0000
1+595.0000	128.14	117.58	117.58	-10.56	0.0000
1+600.0000	127.52	117.44	117.44	-10.08	0.0000
1+603.7000	127.22	117.34	117.34	-9.89	0.0000
1+603.7000	127.42	117.34	117.34	-10.09	0.0000
1+605.0000	126.98	117.30	117.30	-9.68	0.0000
1+610.0000	126.16	117.16	117.16	-9.00	0.0000
1+615.0000	125.37	117.02	117.02	-8.35	0.0000
1+620.0000	124.71	116.88	116.88	-7.83	0.0000
1+640.0000	120.64	116.32	116.32	-4.32	0.0000
1+649.3000	119.96	116.06	116.06	-3.90	0.0000
1+660.0000	119.37	115.76	115.76	-3.61	0.0000
1+660.8000	119.37	115.74	115.74	-3.63	0.0000
1+680.0000	117.65	115.20	115.20	-2.45	0.0000
1+690.5000	116.64	114.91	114.91	-1.74	0.0000
1+697.6000	114.31	114.71	114.71	+0.40	0.0000
1+697.6000	112.11	114.71	114.71	+2.60	0.0000
1+700.0000	112.00	114.64	114.64	+2.64	0.0000
1+707.8000	110.96	114.42	114.42	+3.46	0.0000
1+720.0000	108.77	114.08	114.08	+5.31	0.0000
1+740.0000	106.40	113.52	113.52	+7.12	0.0000
1+760.0000	107.86	112.96	112.96	+5.10	0.0000
1+764.0000	108.30	112.85	112.85	+4.55	0.0000
1+767.5000	107.85	112.75	112.75	+4.90	0.0000
1+767.7000	107.55	112.74	112.74	+5.19	0.0000
1+780.0000	106.47	112.40	112.40	+5.93	0.0000
1+785.3000	105.91	112.25	112.25	+6.34	0.0000
1+785.5000	106.91	112.25	112.25	+5.33	0.0000
1+794.3000	108.12	112.00	112.00	+3.88	0.0000
1+796.3000	107.58	111.94	111.94	+4.36	0.0000
1+796.5000	107.18	111.94	111.94	+4.75	0.0000
1+797.5000	107.18	111.91	111.91	+4.73	0.0000
1+797.7000	107.58	111.90	111.90	+4.32	0.0000
1+800.0000	107.98	111.84	111.84	+3.86	0.0000
1+805.4000	108.36	111.69	111.69	+3.33	0.0000
1+815.0000	107.92	111.42	111.42	+3.50	0.0000
1+820.0000	108.26	111.28	111.28	+3.02	0.0000
1+829.1600	108.72	111.02	111.02	+2.30	0.0000
1+840.0000	108.66	110.72	110.72	+2.06	0.0000
1+840.9400	108.71	110.69	110.69	+1.99	0.0000
1+860.0000	107.38	110.16	110.16	+2.78	0.0000
1+880.0000	104.75	109.60	109.60	+4.85	0.0000
1+900.0000	98.69	109.04	109.04	+10.35	0.0000

부산외곽순환 고속도로 건설공사 실시설계

1+920.0000	93.67	108.48	108.48	+14.81	0.0000
1+940.0000	92.53	107.92	107.92	+15.39	0.0000
1+942.6593	92.42	107.84	107.84	+15.42	0.0000

EP

구 분	STATION	지반고	계획고	ELEV	절성고
E P	3+219.4801	0.00			

다. STA. 0+210~STA.1+945(분리구간,창원방향)

BP

구 분	STATION	지반고	계획고	ELEV	절성고
BP	0-990.0000	0.00			

VIP STATION 0+241.3017

구 분	STATION	지반고	계획고	ELEV	절성고	종 거	구 배	길 이
BVC	0- 28.6984		148.08	148.08	+148.08	0.0000	+2.7696	540.00
VIP	0+241.3017	153.59	151.80	155.56	-1.79	-3.7595		
EVC	0+511.3017	154.78	148.00	148.00	-6.78	0.0000	-2.8000	

중단곡선변화비율(K) = 96.95

측점(STA.)	지 반 고	계 획 고	ELEV	절 성 고	종 거
0+210.2139	147.63	151.75	154.69	+4.13	-2.9436
0+220.0000	149.89	151.78	154.97	+1.88	-3.1897
0+220.0149	149.96	151.78	154.97	+1.82	-3.1901
0+240.0000	153.40	151.80	155.52	-1.61	-3.7233
0+240.0513	153.35	151.80	155.52	-1.56	-3.7248
0+260.0000	157.18	151.78	155.03	-5.41	-3.2568
0+260.1057	157.23	151.77	155.03	-5.45	-3.2541
0+280.0000	161.21	151.71	154.47	-9.50	-2.7590
0+280.1901	161.17	151.71	154.47	-9.45	-2.7545
0+300.0000	164.82	151.61	153.91	-13.21	-2.3025
0+300.3163	164.80	151.61	153.90	-13.19	-2.2957
0+320.0000	167.50	151.46	153.35	-16.04	-1.8873

0+320.4703	167.62	151.46	153.34	-16.16	-1.8780
0+340.0000	166.94	151.28	152.79	-15.66	-1.5133
0+340.6416	166.90	151.27	152.77	-15.62	-1.5020
0+360.0000	164.45	151.05	152.23	-13.39	-1.1806
0+360.8301	164.43	151.04	152.21	-13.39	-1.1676
0+380.0000	161.35	150.78	151.67	-10.56	-0.8891
0+381.0359	160.98	150.77	151.64	-10.21	-0.8751
0+400.0000	158.33	150.47	151.11	-7.85	-0.6389
0+401.2589	158.33	150.45	151.08	-7.88	-0.6245
0+420.0000	156.03	150.12	150.55	-5.91	-0.4299
0+421.4991	155.70	150.09	150.51	-5.60	-0.4159
0+425.5000	155.32	150.02	150.40	-5.31	-0.3797
0+428.0000	153.50	149.97	150.33	-3.53	-0.3579
0+429.0000	153.26	149.95	150.30	-3.31	-0.3493
0+432.3000	152.82	149.89	150.21	-2.94	-0.3219
0+437.4000	152.81	149.78	150.06	-3.02	-0.2817
0+440.0000	149.63	149.73	149.99	+0.10	-0.2622
0+440.4000	149.43	149.72	149.98	+0.30	-0.2592
0+441.6329	149.33	149.70	149.95	+0.37	-0.2503
0+444.0000	149.16	149.65	149.88	+0.49	-0.2336
0+445.0000	148.59	149.63	149.85	+1.04	-0.2267
0+446.8000	147.32	149.59	149.80	+2.26	-0.2146
0+449.7000	147.32	149.52	149.72	+2.20	-0.1957
0+450.0000	147.19	149.52	149.71	+2.33	-0.1938
0+450.3000	146.91	149.51	149.70	+2.61	-0.1919
0+451.2000	146.91	149.49	149.68	+2.59	-0.1863
0+452.5000	147.21	149.46	149.64	+2.26	-0.1783
0+455.0000	147.24	149.41	149.57	+2.17	-0.1635
0+460.0000	147.19	149.30	149.43	+2.11	-0.1357
0+461.6881	147.20	149.26	149.38	+2.05	-0.1269
0+465.0000	147.13	149.18	149.29	+2.05	-0.1106
0+470.0000	146.97	149.06	149.15	+2.10	-0.0880
0+471.3000	146.93	149.03	149.12	+2.10	-0.0825
0+473.8000	144.40	148.97	149.05	+4.57	-0.0725
0+475.0000	144.40	148.94	149.01	+4.54	-0.0680
0+476.4000	144.40	148.91	148.97	+4.51	-0.0628
0+480.0000	149.20	148.82	148.87	-0.38	-0.0505
0+481.0000	149.83	148.80	148.84	-1.03	-0.0474
0+481.7294	149.57	148.78	148.82	-0.79	-0.0451
0+485.0000	150.23	148.70	148.73	-1.54	-0.0357
0+486.7378	150.01	148.65	148.68	-1.35	-0.0311
0+490.0000	150.47	148.57	148.59	-1.90	-0.0234
0+491.7455	150.57	148.52	148.54	-2.04	-0.0197
0+495.0000	150.51	148.44	148.45	-2.07	-0.0137
0+496.4000	150.60	148.40	148.41	-2.19	-0.0115

부산외곽순환 고속도로 건설공사 실시설계

0+496.7525	150.55	148.39	148.40	-2.16	-0.0109
0+500.0000	152.68	148.31	148.31	-4.38	-0.0066
0+501.7588	153.66	148.26	148.26	-5.40	-0.0047
0+503.2000	154.52	148.22	148.22	-6.30	-0.0034
0+505.0000	154.55	148.17	148.17	-6.38	-0.0020
0+506.7646	154.46	148.12	148.12	-6.34	-0.0011
0+507.1000	154.64	148.11	148.11	-6.53	-0.0009
0+510.0000	154.73	148.03	148.03	-6.70	-0.0001
0+511.7697	154.80	147.98	147.98	-6.81	0.0000
0+515.0000	155.02	147.89	147.89	-7.13	0.0000
0+516.7000	155.23	147.84	147.84	-7.39	0.0000
0+516.7743	155.04	147.84	147.84	-7.20	0.0000
0+520.0000	156.62	147.75	147.75	-8.87	0.0000
0+521.7784	157.06	147.70	147.70	-9.35	0.0000
0+523.0000	157.71	147.67	147.67	-10.04	0.0000
0+525.0000	158.43	147.61	147.61	-10.82	0.0000
0+526.7820	158.97	147.56	147.56	-11.41	0.0000
0+530.0000	160.24	147.47	147.47	-12.77	0.0000
0+531.7851	162.76	147.42	147.42	-15.34	0.0000
0+532.4000	163.13	147.40	147.40	-15.72	0.0000
0+534.7868	164.15	147.34	147.34	-16.81	0.0000
0+535.0000	163.55	147.33	147.33	-16.22	0.0000
0+536.7878	164.15	147.28	147.28	-16.87	0.0000
0+538.5000	164.50	147.23	147.23	-17.27	0.0000
0+540.0000	165.18	147.19	147.19	-17.99	0.0000
0+541.7901	165.96	147.14	147.14	-18.82	0.0000
0+545.0000	167.65	147.05	147.05	-20.60	0.0000
0+545.7000	168.03	147.03	147.03	-20.99	0.0000
0+546.7920	168.04	147.00	147.00	-21.03	0.0000
0+550.0000	168.60	146.91	146.91	-21.69	0.0000
0+551.7936	168.76	146.86	146.86	-21.90	0.0000
0+555.0000	169.15	146.77	146.77	-22.38	0.0000
0+556.7950	169.22	146.72	146.72	-22.50	0.0000
0+560.0000	169.56	146.63	146.63	-22.93	0.0000
0+561.7960	169.79	146.58	146.58	-23.21	0.0000
0+565.0000	170.04	146.49	146.49	-23.55	0.0000
0+566.7968	170.33	146.44	146.44	-23.89	0.0000
0+570.0000	170.68	146.35	146.35	-24.33	0.0000
0+571.7974	171.24	146.30	146.30	-24.94	0.0000
0+574.7976	171.24	146.22	146.22	-25.02	0.0000
0+575.0000	171.87	146.21	146.21	-25.66	0.0000
0+576.7978	171.93	146.16	146.16	-25.77	0.0000
0+580.0000	172.76	146.07	146.07	-26.69	0.0000
0+581.7981	173.02	146.02	146.02	-27.00	0.0000
0+585.0000	173.75	145.93	145.93	-27.82	0.0000

0+586.7982	173.66	145.88	145.88	-27.78	0.0000
0+590.0000	175.38	145.79	145.79	-29.59	0.0000
0+591.7983	175.62	145.74	145.74	-29.87	0.0000
0+595.0000	176.51	145.65	145.65	-30.86	0.0000
0+596.7983	177.02	145.60	145.60	-31.42	0.0000
0+600.0000	177.74	145.51	145.51	-32.23	0.0000
0+620.0000	182.47	144.95	144.95	-37.52	0.0000
0+640.0000	185.61	144.39	144.39	-41.22	0.0000
0+660.0000	191.03	143.83	143.83	-47.20	0.0000
0+680.0000	194.93	143.27	143.27	-51.66	0.0000
0+700.0000	200.21	142.71	142.71	-57.50	0.0000
0+720.0000	203.42	142.15	142.15	-61.27	0.0000
0+740.0000	198.46	141.59	141.59	-56.86	0.0000
0+760.0000	193.78	141.03	141.03	-52.75	0.0000
0+780.0000	197.63	140.47	140.47	-57.15	0.0000
0+800.0000	200.24	139.91	139.91	-60.32	0.0000
0+820.0000	199.76	139.35	139.35	-60.41	0.0000
0+840.0000	197.64	138.79	138.79	-58.84	0.0000
0+860.0000	204.29	138.23	138.23	-66.05	0.0000
0+880.0000	212.74	137.67	137.67	-75.06	0.0000
0+900.0000	218.62	137.11	137.11	-81.51	0.0000
0+920.0000	222.84	136.55	136.55	-86.29	0.0000
0+940.0000	224.74	135.99	135.99	-88.74	0.0000
0+960.0000	225.36	135.43	135.43	-89.92	0.0000
0+980.0000	232.13	134.87	134.87	-97.26	0.0000
1+ 0.0000	238.64	134.31	134.31	-104.32	0.0000
1+ 20.0000	246.04	133.75	133.75	-112.29	0.0000
1+ 40.0000	254.81	133.19	133.19	-121.62	0.0000
1+ 60.0000	262.53	132.63	132.63	-129.89	0.0000
1+ 80.0000	264.46	132.07	132.07	-132.39	0.0000
1+100.0000	259.36	131.51	131.51	-127.84	0.0000
1+120.0000	250.44	130.95	130.95	-119.49	0.0000
1+140.0000	241.14	130.39	130.39	-110.75	0.0000
1+160.0000	231.56	129.83	129.83	-101.73	0.0000
1+180.0000	224.14	129.27	129.27	-94.86	0.0000
1+200.0000	217.69	128.71	128.71	-88.98	0.0000
1+220.0000	212.36	128.15	128.15	-84.21	0.0000
1+240.0000	209.36	127.59	127.59	-81.76	0.0000
1+260.0000	207.54	127.03	127.03	-80.51	0.0000
1+280.0000	206.43	126.47	126.47	-79.96	0.0000
1+300.0000	200.73	125.91	125.91	-74.82	0.0000
1+320.0000	192.76	125.35	125.35	-67.40	0.0000
1+340.0000	187.42	124.79	124.79	-62.63	0.0000
1+360.0000	185.84	124.23	124.23	-61.60	0.0000
1+380.0000	180.83	123.67	123.67	-57.16	0.0000

부산외곽순환 고속도로 건설공사 실시설계

1+400.0000	173.03	123.11	123.11	-49.91	0.0000
1+420.0000	165.37	122.55	122.55	-42.82	0.0000
1+421.7983	164.97	122.50	122.50	-42.47	0.0000
1+440.0000	161.80	121.99	121.99	-39.81	0.0000
1+441.7983	161.58	121.94	121.94	-39.64	0.0000
1+460.0000	159.00	121.43	121.43	-37.57	0.0000
1+461.7983	158.73	121.38	121.38	-37.35	0.0000
1+465.0000	157.94	121.29	121.29	-36.65	0.0000
1+470.0000	156.60	121.15	121.15	-35.45	0.0000
1+471.7983	152.52	121.10	121.10	-31.42	0.0000
1+475.0000	154.97	121.01	121.01	-33.96	0.0000
1+476.7983	154.36	120.96	120.96	-33.40	0.0000
1+480.0000	153.28	120.87	120.87	-32.41	0.0000
1+481.7983	152.52	120.82	120.82	-31.70	0.0000
1+485.0000	151.36	120.73	120.73	-30.63	0.0000
1+486.7983	151.01	120.68	120.68	-30.33	0.0000
1+490.0000	149.34	120.59	120.59	-28.75	0.0000
1+491.7983	148.70	120.54	120.54	-28.16	0.0000
1+495.0000	147.55	120.45	120.45	-27.10	0.0000
1+496.7983	147.02	120.40	120.40	-26.62	0.0000
1+498.7983	146.21	120.35	120.35	-25.86	0.0000
1+500.0000	145.82	120.31	120.31	-25.51	0.0000
1+501.7983	145.29	120.26	120.26	-25.03	0.0000
1+505.0000	144.52	120.17	120.17	-24.35	0.0000
1+505.7983	144.20	120.15	120.15	-24.06	0.0000
1+506.7983	144.21	120.12	120.12	-24.08	0.0000
1+510.0000	143.63	120.03	120.03	-23.60	0.0000
1+511.7983	142.85	119.98	119.98	-22.87	0.0000
1+515.0000	142.82	119.89	119.89	-22.93	0.0000
1+516.7983	141.92	119.84	119.84	-22.08	0.0000
1+520.0000	141.39	119.75	119.75	-21.64	0.0000
1+521.7983	141.13	119.70	119.70	-21.43	0.0000
1+525.0000	139.54	119.61	119.61	-19.92	0.0000
1+526.7983	139.04	119.56	119.56	-19.48	0.0000
1+530.0000	137.57	119.47	119.47	-18.10	0.0000
1+530.7983	136.95	119.45	119.45	-17.50	0.0000
1+531.7984	136.95	119.42	119.42	-17.53	0.0000
1+535.0000	136.22	119.33	119.33	-16.89	0.0000
1+536.7985	136.66	119.28	119.28	-17.38	0.0000
1+539.0000	135.16	119.22	119.22	-15.94	0.0000
1+540.0000	133.46	119.19	119.19	-14.27	0.0000
1+541.7986	132.91	119.14	119.14	-13.77	0.0000
1+545.0000	131.69	119.05	119.05	-12.63	0.0000
1+546.7990	131.85	119.00	119.00	-12.85	0.0000
1+550.0000	131.04	118.91	118.91	-12.13	0.0000

1+551.7994	130.84	118.86	118.86	-11.98	0.0000
1+555.0000	130.01	118.77	118.77	-11.24	0.0000
1+556.8001	130.02	118.72	118.72	-11.30	0.0000
1+560.0000	129.62	118.63	118.63	-10.99	0.0000
1+561.8010	128.99	118.58	118.58	-10.41	0.0000
1+565.0000	128.19	118.49	118.49	-9.69	0.0000
1+566.8021	127.63	118.44	118.44	-9.19	0.0000
1+570.0000	126.87	118.35	118.35	-8.52	0.0000
1+571.8035	126.15	118.30	118.30	-7.85	0.0000
1+575.0000	125.24	118.21	118.21	-7.02	0.0000
1+576.8053	124.95	118.16	118.16	-6.79	0.0000
1+580.0000	123.27	118.07	118.07	-5.20	0.0000
1+581.8073	122.03	118.02	118.02	-4.01	0.0000
1+585.0000	121.71	117.93	117.93	-3.78	0.0000
1+586.8098	120.95	117.88	117.88	-3.07	0.0000
1+590.0000	119.96	117.79	117.79	-2.16	0.0000
1+591.8126	119.35	117.74	117.74	-1.61	0.0000
1+595.0000	118.72	117.65	117.65	-1.07	0.0000
1+596.1000	118.23	117.62	117.62	-0.61	0.0000
1+596.1000	118.50	117.62	117.62	-0.88	0.0000
1+596.8159	118.54	117.60	117.60	-0.94	0.0000
1+600.0000	117.76	117.51	117.51	-0.25	0.0000
1+601.8197	117.82	117.46	117.46	-0.36	0.0000
1+605.0000	117.92	117.37	117.37	-0.55	0.0000
1+610.0000	118.12	117.23	117.23	-0.89	0.0000
1+615.0000	118.11	117.09	117.09	-1.02	0.0000
1+620.0000	118.04	116.95	116.95	-1.09	0.0000
1+621.8401	117.24	116.90	116.90	-0.34	0.0000
1+640.0000	117.29	116.39	116.39	-0.90	0.0000
1+641.8705	117.52	116.34	116.34	-1.18	0.0000
1+654.5000	115.87	115.99	115.99	+0.11	0.0000
1+655.5000	115.87	115.96	115.96	+0.09	0.0000
1+655.5000	115.07	115.96	115.96	+0.89	0.0000
1+660.0000	114.57	115.83	115.83	+1.26	0.0000
1+661.9131	113.97	115.78	115.78	+1.81	0.0000
1+680.0000	112.38	115.27	115.27	+2.89	0.0000
1+681.9697	111.98	115.22	115.22	+3.23	0.0000
1+700.0000	109.53	114.71	114.71	+5.18	0.0000
1+702.0425	109.00	114.65	114.65	+5.65	0.0000
1+720.0000	104.70	114.15	114.15	+9.45	0.0000
1+722.1335	104.38	114.09	114.09	+9.71	0.0000
1+740.0000	102.18	113.59	113.59	+11.41	0.0000
1+742.2408	102.80	113.53	113.53	+10.72	0.0000
1+760.0000	103.53	113.03	113.03	+9.50	0.0000
1+762.3343	103.89	112.97	112.97	+9.08	0.0000

부산외곽순환 고속도로 건설공사 실시설계

1+780.0000	104.29	112.47	112.47	+8.18	0.0000
1+782.4093	105.60	112.40	112.40	+6.80	0.0000
1+785.5000	105.51	112.32	112.32	+6.81	0.0000
1+787.6000	105.76	112.26	112.26	+6.50	0.0000
1+787.7000	105.50	112.26	112.26	+6.76	0.0000
1+800.0000	104.46	111.91	111.91	+7.45	0.0000
1+802.4679	104.25	111.84	111.84	+7.59	0.0000
1+803.1000	104.20	111.82	111.82	+7.62	0.0000
1+803.4000	105.20	111.82	111.82	+6.62	0.0000
1+814.0000	105.84	111.52	111.52	+5.68	0.0000
1+815.2000	105.84	111.49	111.49	+5.65	0.0000
1+815.4000	105.44	111.48	111.48	+6.04	0.0000
1+816.2000	105.44	111.46	111.46	+6.02	0.0000
1+816.4000	105.84	111.45	111.45	+5.61	0.0000
1+820.0000	106.84	111.35	111.35	+4.51	0.0000
1+822.5121	106.72	111.28	111.28	+4.56	0.0000
1+830.3000	107.28	111.06	111.06	+3.78	0.0000
1+831.6882	107.12	111.02	111.02	+3.90	0.0000
1+835.4390	107.10	110.92	110.92	+3.82	0.0000
1+840.0000	107.07	110.79	110.79	+3.72	0.0000
1+842.5440	106.96	110.72	110.72	+3.76	0.0000
1+843.4853	106.91	110.69	110.69	+3.79	0.0000
1+846.8640	106.87	110.60	110.60	+3.73	0.0000
1+851.1000	106.82	110.48	110.48	+3.66	0.0000
1+860.0000	106.75	110.23	110.23	+3.48	0.0000
1+862.5656	106.75	110.16	110.16	+3.41	0.0000
1+880.0000	105.58	109.67	109.67	+4.09	0.0000
1+882.5789	105.02	109.60	109.60	+4.58	0.0000
1+900.0000	100.31	109.11	109.11	+8.80	0.0000
1+902.5859	99.24	109.04	109.04	+9.80	0.0000
1+920.0000	95.06	108.55	108.55	+13.49	0.0000
1+922.5887	94.98	108.48	108.48	+13.50	0.0000
1+940.0000	93.96	107.99	107.99	+14.03	0.0000
1+942.5892	93.73	107.92	107.92	+14.19	0.0000
1+945.2484	94.44	107.84	107.84	+13.41	0.0000
1+945.2486	93.52	107.84	107.84	+14.32	0.0000

EP

구 분	STATION	지반고	계획고	ELEV	절성고
E P	1+945.2486	93.52	107.84	107.84	+14.32

라. STA. 1+942~STA.3+219(일반구간,기장방향)

BP

구 분	STATION	지반고	계획고	ELEV	절성고
BP	-2-300.0000	0.00			

VIP STATION 0-990.0000

구 분	STATION	지반고	계획고	ELEV	절성고	종 거	구 배	길 이
BVC	-1-190.0000		124.34	124.34	+124.34	0.0000	-1.4448	400.00
VIP	0-990.0000		123.56	121.45	+123.56	2.1072		
EVC	0-790.0000		126.99	126.99	+126.99	0.0000	+2.7696	

종단곡선변화비율(K) = 94.91

VIP STATION 0+240.0000

구 분	STATION	지반고	계획고	ELEV	절성고	종 거	구 배	길 이
BVC	0- 30.0000		148.04	148.04	+148.04	0.0000	+2.7696	540.00
VIP	0+240.0000		151.76	155.52	+151.76	-3.7595		
EVC	0+510.0000		147.96	147.96	+147.96	0.0000	-2.8000	

종단곡선변화비율(K) = 96.95

측점(STA.)	지 반 고	계 획 고	ELEV	절 성 고	종 거
1+942.6593	92.84	107.84	107.84	+15.00	0.0000
1+960.0000	89.14	107.36	107.36	+18.22	0.0000
1+978.0000	81.42	106.86	106.86	+25.43	0.0000
1+980.0000	81.52	106.80	106.80	+25.28	0.0000
1+985.5000	82.02	106.65	106.65	+24.62	0.0000
2+ 0.0000	85.91	106.24	106.24	+20.33	0.0000
2+ 5.0000	87.27	106.10	106.10	+18.83	0.0000
2+ 20.0000	92.78	105.68	105.68	+12.90	0.0000
2+ 40.0000	100.01	105.12	105.12	+5.11	0.0000
2+ 46.6000	103.19	104.93	104.93	+1.75	0.0000
2+ 49.5000	103.19	104.85	104.85	+1.67	0.0000
2+ 60.0000	106.82	104.56	104.56	-2.26	0.0000
2+ 76.0000	110.20	104.11	104.11	-6.09	0.0000
2+ 80.0000	110.60	104.00	104.00	-6.60	0.0000
2+ 87.0000	110.35	103.80	103.80	-6.54	0.0000

부산외곽순환 고속도로 건설공사 실시설계

2+100.0000	106.18	103.44	103.44	-2.74	0.0000
2+120.0000	95.98	102.88	102.88	+6.90	0.0000
2+124.0000	94.18	102.77	102.77	+8.59	0.0000
2+124.8000	94.18	102.74	102.74	+8.56	0.0000
2+140.0000	98.66	102.32	102.32	+3.66	0.0000
2+157.0000	102.37	101.84	101.84	-0.53	0.0000
2+160.0000	102.67	101.76	101.76	-0.91	0.0000
2+165.0000	102.39	101.62	101.62	-0.77	0.0000
2+174.0000	101.20	101.37	101.37	+0.17	0.0000
2+178.8000	99.72	101.23	101.23	+1.51	0.0000
2+180.0000	99.32	101.20	101.20	+1.88	0.0000
2+200.0000	92.29	100.64	100.64	+8.35	0.0000
2+219.2000	88.16	100.10	100.10	+11.94	0.0000
2+220.0000	88.17	100.08	100.08	+11.91	0.0000
2+223.5000	88.20	99.98	99.98	+11.78	0.0000
2+240.0000	88.83	99.52	99.52	+10.69	0.0000
2+260.0000	90.00	98.96	98.96	+8.96	0.0000
2+280.0000	94.11	98.40	98.40	+4.29	0.0000
2+300.0000	97.82	97.84	97.84	+0.02	0.0000

VIP STATION 2+364.1094

구 분	STATION	지반고	계획고	ELEV	절성고	총 거	구 배	길 이
BVC	2+304.1094	98.72	97.72	97.72	-1.00	0.0000	-2.8000	120.00
VIP	2+364.1094	89.29	96.16	96.04	+6.87	0.1200		
EVC	2+424.1094	67.29	94.84	94.84	+27.55	0.0000	-2.0000	

종단곡선변화비율(K) =150.00

측정(STA.)	지 반 고	계 획 고	ELEV	절 성 고	총 거
2+320.0000	102.21	97.29	97.28	-4.92	0.0084
2+320.0000	102.21	97.29	97.28	-4.92	0.0084
2+340.0000	98.61	96.76	96.72	-1.85	0.0429
2+353.1643	93.37	96.43	96.35	+3.06	0.0802
2+355.5546	92.70	96.37	96.28	+3.68	0.0882
2+360.0000	92.13	96.26	96.16	+4.13	0.1041
2+380.0000	78.28	95.79	95.73	+17.51	0.0649
2+400.0000	70.41	95.35	95.33	+24.93	0.0194
2+420.0000	67.25	94.93	94.93	+27.68	0.0006
2+440.0000	67.46	94.53	94.53	+27.06	0.0000
2+449.5000	67.03	94.34	94.34	+27.31	0.0000
2+460.0000	70.44	94.13	94.13	+23.68	0.0000
2+462.5000	70.14	94.08	94.08	+23.93	0.0000

2+467.5000	68.99	93.98	93.98	+24.99	0.0000
2+470.7500	68.23	93.91	93.91	+25.68	0.0000
2+473.6000	67.51	93.85	93.85	+26.34	0.0000
2+476.0000	67.49	93.81	93.81	+26.32	0.0000
2+480.0000	69.39	93.73	93.73	-24.34	0.0000
2+489.2000	75.98	93.54	93.54	+17.56	0.0000
2+495.2000	77.56	93.42	93.42	+15.86	0.0000
2+500.0000	76.10	93.33	93.33	+17.23	0.0000
2+520.0000	79.27	92.93	92.93	+13.66	0.0000
2+540.0000	89.02	92.53	92.53	+3.50	0.0000
2+557.5000	91.10	92.18	92.18	+1.07	0.0000
2+560.0000	91.95	92.13	92.13	+0.17	0.0000
2+560.7500	91.95	92.11	92.11	+0.16	0.0000
2+580.0000	89.28	91.73	91.73	+2.44	0.0000
2+592.0000	86.23	91.49	91.49	+5.25	0.0000
2+592.2071	86.23	91.48	91.48	+5.26	0.0000
2+595.0000	86.21	91.43	91.43	+5.22	0.0000
2+600.0000	87.71	91.33	91.33	+3.62	0.0000
2+620.0000	91.90	90.93	90.93	-0.97	0.0000
2+637.4000	93.74	90.58	90.58	-3.17	0.0000
2+639.1000	93.14	90.54	90.54	-2.60	0.0000
2+639.5000	93.14	90.54	90.54	-2.61	0.0000
2+640.0000	93.34	90.53	90.53	-2.82	0.0000
2+643.0000	95.34	90.47	90.47	-4.88	0.0000
2+660.0000	98.94	90.13	90.13	-8.82	0.0000
2+680.0000	100.10	89.73	89.73	-10.37	0.0000
2+700.0000	98.50	89.33	89.33	-9.17	0.0000
2+720.0000	95.92	88.93	88.93	-7.00	0.0000
2+725.9691	94.73	88.81	88.81	-5.92	0.0000
2+726.0000	94.73	88.81	88.81	-5.92	0.0000
2+732.7717	94.09	88.67	88.67	-5.42	0.0000
2+740.0000	93.66	88.53	88.53	-5.14	0.0000
2+760.0000	91.14	88.13	88.13	-3.02	0.0000
2+780.0000	90.00	87.73	87.73	-2.27	0.0000
2+788.2000	89.54	87.56	87.56	-1.98	0.0000
2+800.0000	85.91	87.33	87.33	+1.42	0.0000
2+805.0000	84.12	87.23	87.23	-3.10	0.0000
2+820.0000	77.86	86.93	86.93	+9.06	0.0000
2+840.0000	74.45	86.53	86.53	+12.07	0.0000
2+850.0000	74.02	86.33	86.33	+12.30	0.0000
2+860.0000	72.40	86.13	86.13	+13.72	0.0000
2+880.0000	69.28	85.73	85.73	+16.45	0.0000
2+895.0000	64.03	85.43	85.43	+21.40	0.0000
2+900.0000	62.50	85.33	85.33	+22.82	0.0000
2+920.0000	58.52	84.93	84.93	+26.41	0.0000

부산외곽순환 고속도로 건설공사 실시설계

2+940.0000	55.53	84.53	84.53	+29.00	0.0000
2+960.0000	55.06	84.13	84.13	+29.07	0.0000
2+980.0000	51.20	83.73	83.73	+32.53	0.0000
2+985.0000	50.33	83.63	83.63	+33.30	0.0000
3+ 0.0000	44.11	83.33	83.33	+39.22	0.0000
3+ 20.0000	34.48	82.93	82.93	+48.45	0.0000
3+ 27.9000	31.44	82.77	82.77	+51.32	0.0000
3+ 29.0000	29.94	82.75	82.75	+52.81	0.0000
3+ 30.0000	29.63	82.73	82.73	+53.10	0.0000
3+ 36.0000	29.20	82.61	82.61	+53.41	0.0000
3+ 40.0000	27.50	82.53	82.53	+55.03	0.0000
3+ 45.0000	27.50	82.43	82.43	+54.93	0.0000
3+ 46.6000	26.20	82.39	82.39	+56.19	0.0000
3+ 50.6000	26.90	82.31	82.31	+55.41	0.0000
3+ 55.5000	22.90	82.22	82.22	+59.31	0.0000
3+ 60.0000	22.90	82.13	82.13	+59.22	0.0000
3+ 74.0000	22.90	81.85	81.85	+58.94	0.0000
3+ 75.0000	24.02	81.83	81.83	+57.80	0.0000
3+ 75.4000	24.19	81.82	81.82	+57.63	0.0000
3+ 77.4000	24.19	81.78	81.78	+57.59	0.0000
3+ 80.0000	22.59	81.73	81.73	+59.14	0.0000
3+ 80.9000	21.41	81.71	81.71	+60.30	0.0000
3+ 88.9000	21.50	81.55	81.55	+60.05	0.0000
3+ 92.8000	22.56	81.47	81.47	+58.91	0.0000
3+ 98.3000	27.99	81.36	81.36	+53.37	0.0000
3+ 99.3000	28.32	81.34	81.34	+53.02	0.0000
3+100.0000	29.54	81.33	81.33	+51.79	0.0000
3+101.0000	30.84	81.31	81.31	+50.47	0.0000
3+102.2000	30.64	81.28	81.28	+50.64	0.0000
3+120.0000	42.22	80.93	80.93	+38.70	0.0000
3+140.0000	47.97	80.53	80.53	+32.55	0.0000
3+160.0000	52.62	80.13	80.13	+27.51	0.0000
3+165.0000	54.73	80.03	80.03	+25.30	0.0000
3+180.0000	62.78	79.73	79.73	+16.94	0.0000
3+200.0000	72.06	79.33	79.33	+7.26	0.0000
3+210.0000	74.83	79.13	79.13	+4.29	0.0000
3+210.4500	74.93	79.12	79.12	+4.19	0.0000
3+219.4801	76.84	78.94	78.94	+2.10	0.0000

EP

구 분	STATION	지반고	계획고	ELEV	절성고
E P	3+219.4801	76.84			

6.2.2 기장분기점

가. RAMP-A

BP

구 분	STATION	지반고	계획고	ELEV	절성고
BP	0+ 0.0000	77.24	78.91	78.91	+1.67

측정(STA.)	지 반 고	계 획 고	ELEV	절 성 고	증 거
0+ 0.0000	77.24	78.91	78.91	+1.67	0.0000
0+ 10.1585	0.00	78.70	78.70	+78.70	0.0000
0+ 10.1624	0.00	78.70	78.70	+78.70	0.0000
0+ 10.1647	0.00	78.70	78.70	+78.70	0.0000
0+ 20.0000	76.90	78.51	78.51	+1.61	0.0000
0+ 20.0073	76.90	78.51	78.51	+1.61	0.0000
0+ 20.0155	76.90	78.51	78.51	+1.61	0.0000
0+ 20.0156	76.90	78.51	78.51	+1.61	0.0000
0+ 20.0841	0.00	78.51	78.51	+78.51	0.0000
0+ 30.1506	0.00	78.30	78.30	+78.30	0.0000
0+ 39.0545	76.32	78.13	78.13	+1.81	0.0000
0+ 40.0000	76.25	78.11	78.11	+1.85	0.0000
0+ 40.0293	76.26	78.11	78.11	+1.85	0.0000
0+ 40.0647	76.25	78.11	78.11	+1.85	0.0000
0+ 40.2549	0.00	78.10	78.10	+78.10	0.0000
0+ 50.1613	0.00	77.90	77.90	+77.90	0.0000
0+ 60.0000	79.00	77.71	77.71	-1.29	0.0000
0+ 60.0600	79.00	77.71	77.71	-1.30	0.0000
0+ 60.1385	79.00	77.70	77.70	-1.30	0.0000
0+ 60.4745	0.00	77.70	77.70	+77.70	0.0000
0+ 70.2016	0.00	77.50	77.50	+77.50	0.0000
0+ 70.5995	0.00	77.49	77.49	+77.49	0.0000
0+ 74.0000	77.23	77.43	77.43	+0.20	0.0000
0+ 78.5000	75.18	77.34	77.34	+2.15	0.0000
0+ 80.0000	73.60	77.31	77.31	+3.70	0.0000
0+ 80.0994	73.60	77.30	77.30	+3.70	0.0000
0+ 80.2414	73.60	77.30	77.30	+3.70	0.0000
0+ 80.7381	0.00	77.29	77.29	+77.29	0.0000
0+ 83.2752	0.00	77.24	77.24	+77.24	0.0000
0+ 83.6000	70.31	77.23	77.23	+6.92	0.0000
0+ 84.0000	70.31	77.23	77.23	+6.91	0.0000
0+ 91.0000	74.01	77.09	77.09	+3.07	0.0000

부산외곽순환 고속도로 건설공사 실시설계

0+100.0000	76.23	76.91	76.91	+0.67	0.0000
0+100.1517	76.23	76.90	76.90	+0.67	0.0000
0+100.1518	76.23	76.90	76.90	+0.67	0.0000
0+100.3867	76.23	76.90	76.90	+0.67	0.0000
0+101.0666	0.00	76.89	76.89	+76.89	0.0000
0+110.4402	0.00	76.70	76.70	+76.70	0.0000
0+120.0000	78.46	76.51	76.51	-1.95	0.0000
0+120.2208	78.46	76.50	76.50	-1.95	0.0000
0+120.2209	78.46	76.50	76.50	-1.95	0.0000
0+120.5877	78.45	76.50	76.50	-1.96	0.0000
0+121.4809	0.00	76.48	76.48	+76.48	0.0000
0+130.6736	0.00	76.29	76.29	+76.29	0.0000
0+140.0000	78.54	76.11	76.11	-2.44	0.0000
0+140.3107	78.54	76.10	76.10	-2.44	0.0000
0+140.3108	78.54	76.10	76.10	-2.44	0.0000
0+140.8573	78.54	76.09	76.09	-2.45	0.0000
0+142.0014	0.00	76.07	76.07	+76.07	0.0000
0+150.9897	0.00	75.89	75.89	+75.89	0.0000
0+160.0000	73.98	75.71	75.71	+1.72	0.0000
0+160.4253	73.98	75.70	75.70	+1.72	0.0000
0+161.0959	73.98	75.68	75.68	+1.70	0.0000
0+161.1050	73.98	75.68	75.68	+1.70	0.0000
0+162.5218	0.00	75.66	75.66	+75.66	0.0000
0+171.1238	0.00	75.48	75.48	+75.48	0.0000
0+180.0000	67.28	75.31	75.31	+8.02	0.0000
0+180.6486	67.29	75.29	75.29	+8.01	0.0000
0+180.9978	67.28	75.29	75.29	+8.00	0.0000
0+182.7695	66.77	75.25	75.25	+8.48	0.0000
0+191.2014	0.00	75.08	75.08	+75.08	0.0000
0+200.0000	60.97	74.91	74.91	+13.94	0.0000
0+200.6327	60.96	74.89	74.89	+13.93	0.0000
0+201.6001	0.00	74.87	74.87	+74.87	0.0000
0+202.8012	59.71	74.85	74.85	+15.14	0.0000
0+203.8021	0.00	74.83	74.83	+74.83	0.0000
0+205.8036	0.00	74.79	74.79	+74.79	0.0000
0+211.1144	0.00	74.68	74.68	+74.68	0.0000
0+214.0000	55.85	74.63	74.63	+18.77	0.0000
0+217.0000	53.85	74.57	74.57	+20.71	0.0000
0+218.2000	53.85	74.54	74.54	+20.69	0.0000
0+220.0000	54.44	74.51	74.51	+20.06	0.0000
0+220.4377	54.44	74.50	74.50	+20.05	0.0000
0+222.0000	54.96	74.47	74.47	+19.50	0.0000
0+224.3000	54.34	74.42	74.42	+20.09	0.0000
0+226.3000	55.41	74.38	74.38	+18.97	0.0000
0+240.0000	54.28	74.11	74.11	+19.83	0.0000

0+240.5664	54.28	74.10	74.10	+19.81	0.0000
0+242.8229	53.75	74.05	74.05	+20.30	0.0000
0+247.5000	51.58	73.96	73.96	+22.38	0.0000
0+260.0000	52.68	73.71	73.71	+21.02	0.0000
0+260.2959	52.68	73.70	73.70	+21.02	0.0000
0+261.3838	52.69	73.68	73.68	+20.99	0.0000
0+262.8658	52.08	73.65	73.65	+21.57	0.0000
0+270.5190	49.09	73.50	73.50	+24.40	0.0000
0+271.0144	0.00	73.49	73.49	+73.49	0.0000
0+276.5660	0.00	73.38	73.38	+73.38	0.0000
0+278.9688	48.02	73.33	73.33	+25.30	0.0000
0+279.8043	0.00	73.31	73.31	+73.31	0.0000
0+280.0000	48.05	73.31	73.31	+25.25	0.0000
0+280.5211	0.00	73.30	73.30	+73.30	0.0000
0+280.6612	0.00	73.29	73.29	+73.29	0.0000
0+280.7050	48.13	73.29	73.29	+25.16	0.0000
0+281.9825	48.16	73.27	73.27	+25.11	0.0000
0+282.5419	0.00	73.26	73.26	+73.26	0.0000
0+283.0494	46.90	73.25	73.25	+26.35	0.0000
0+283.1234	48.18	73.24	73.24	+25.06	0.0000
0+283.7602	0.00	73.23	73.23	+73.23	0.0000
0+284.4166	47.81	73.22	73.22	+25.41	0.0000
0+284.7763	0.00	73.21	73.21	+73.21	0.0000
0+285.0000	45.85	73.21	73.21	+27.35	0.0000
0+286.3018	0.00	73.18	73.18	+73.18	0.0000
0+288.0385	48.08	73.15	73.15	+25.07	0.0000
0+288.6723	43.97	73.13	73.13	+29.16	0.0000
0+290.0000	43.62	73.11	73.11	+29.48	0.0000
0+290.1516	0.00	73.10	73.10	+73.10	0.0000
0+290.1689	43.69	73.10	73.10	+29.41	0.0000
0+290.2832	0.00	73.10	73.10	+73.10	0.0000
0+290.4510	44.07	73.10	73.10	+29.03	0.0000
0+290.5990	44.14	73.09	73.09	+28.96	0.0000
0+290.8789	48.00	73.09	73.09	+25.09	0.0000
0+291.0075	48.12	73.09	73.09	+24.97	0.0000
0+291.0078	48.31	73.09	73.09	+24.78	0.0000
0+291.0751	44.09	73.09	73.09	+29.00	0.0000
0+291.3023	0.00	73.08	73.08	+73.08	0.0000
0+291.4054	0.00	73.08	73.08	+73.08	0.0000
0+291.5964	44.13	73.07	73.07	+28.94	0.0000
0+292.0166	48.12	73.07	73.07	+24.95	0.0000
0+292.1067	48.29	73.06	73.06	+24.78	0.0000
0+292.3895	0.00	73.06	73.06	+73.06	0.0000
0+292.8224	44.13	73.05	73.05	+28.92	0.0000
0+292.8665	44.19	73.05	73.05	+28.86	0.0000

부산외곽순환 고속도로 건설공사 실시설계

0+293.0950	0.00	73.04	73.04	+73.04	0.0000
0+293.2222	48.38	73.04	73.04	+24.66	0.0000
0+293.3907	44.24	73.04	73.04	+28.80	0.0000
0+293.8131	48.26	73.03	73.03	+24.77	0.0000
0+293.9248	44.19	73.03	73.03	+28.84	0.0000
0+294.1883	0.00	73.02	73.02	+73.02	0.0000
0+294.2000	40.03	73.02	73.02	+32.99	0.0000
0+294.3253	43.80	73.02	73.02	+29.22	0.0000
0+294.4973	0.00	73.02	73.02	+73.02	0.0000
0+294.8371	44.24	73.01	73.01	+28.77	0.0000
0+295.0256	48.53	73.01	73.01	+24.47	0.0000
0+295.3231	48.26	73.00	73.00	+24.74	0.0000
0+295.3999	43.87	73.00	73.00	+29.13	0.0000
0+295.5462	44.26	73.00	73.00	+28.73	0.0000
0+295.7323	44.30	72.99	72.99	+28.69	0.0000
0+295.8047	0.00	72.99	72.99	+72.99	0.0000
0+295.9021	44.30	72.99	72.99	+28.68	0.0000
0+296.1394	44.31	72.98	72.98	+28.67	0.0000
0+296.3791	48.36	72.98	72.98	+24.62	0.0000
0+296.6183	48.37	72.97	72.97	+24.60	0.0000
0+297.0436	0.00	72.97	72.97	+72.97	0.0000
0+297.2160	44.00	72.96	72.96	+28.97	0.0000
0+297.5380	44.32	72.96	72.96	+28.64	0.0000
0+297.7211	44.42	72.95	72.95	+28.53	0.0000
0+297.9619	39.96	72.95	72.95	+32.98	0.0000
0+297.9952	48.65	72.95	72.95	+24.30	0.0000
0+298.2009	48.52	72.94	72.94	+24.42	0.0000
0+298.4046	39.43	72.94	72.94	+33.51	0.0000
0+298.5517	44.38	72.94	72.94	+28.55	0.0000
0+298.7997	44.39	72.93	72.93	+28.54	0.0000
0+299.1153	0.00	72.92	72.92	+72.92	0.0000
0+299.6304	39.42	72.91	72.91	+33.50	0.0000
0+299.7934	39.98	72.91	72.91	+32.93	0.0000
0+300.0000	39.96	72.91	72.91	+32.94	0.0000
0+300.0985	0.00	72.90	72.90	+72.90	0.0000
0+300.2388	39.49	72.90	72.90	+33.41	0.0000
0+300.3867	44.51	72.90	72.90	+28.39	0.0000
0+300.4942	44.10	72.90	72.90	+28.79	0.0000
0+301.0727	44.52	72.89	72.89	+28.36	0.0000
0+301.3808	40.29	72.88	72.88	+32.59	0.0000
0+301.4722	39.48	72.88	72.88	+33.40	0.0000
0+301.6231	48.67	72.87	72.87	+24.20	0.0000
0+301.7230	39.45	72.87	72.87	+33.43	0.0000
0+301.9431	0.00	72.87	72.87	+72.87	0.0000
0+302.3895	0.00	72.86	72.86	+72.86	0.0000

0+303.2335	40.28	72.84	72.84	+32.56	0.0000
0+303.4550	40.01	72.84	72.84	+32.83	0.0000
0+303.5231	40.29	72.84	72.84	+32.55	0.0000
0+303.6322	40.01	72.83	72.83	+32.82	0.0000
0+303.7141	0.00	72.83	72.83	+72.83	0.0000
0+303.9689	39.55	72.83	72.83	+33.27	0.0000
0+304.1131	0.00	72.82	72.82	+72.82	0.0000
0+304.1132	0.00	72.82	72.82	+72.82	0.0000
0+304.1399	44.63	72.82	72.82	+28.19	0.0000
0+304.2487	0.00	72.82	72.82	+72.82	0.0000
0+304.4187	40.28	72.82	72.82	+32.54	0.0000
0+304.5571	0.00	72.82	72.82	+72.82	0.0000
0+305.3958	39.55	72.80	72.80	+33.25	0.0000
0+305.4318	0.00	72.80	72.80	+72.80	0.0000
0+305.4993	40.05	72.80	72.80	+32.75	0.0000
0+305.5817	0.00	72.80	72.80	+72.80	0.0000
0+305.6148	39.56	72.79	72.79	+33.24	0.0000
0+305.8271	40.03	72.79	72.79	+32.76	0.0000
0+305.8482	0.00	72.79	72.79	+72.79	0.0000
0+305.9421	0.00	72.79	72.79	+72.79	0.0000
0+305.9833	0.00	72.79	72.79	+72.79	0.0000
0+305.9834	0.00	72.79	72.79	+72.79	0.0000
0+306.2909	40.28	72.78	72.78	+32.50	0.0000
0+306.3175	0.00	72.78	72.78	+72.78	0.0000
0+306.3176	0.00	72.78	72.78	+72.78	0.0000
0+306.5299	39.20	72.78	72.78	+33.58	0.0000
0+306.6760	40.05	72.77	72.77	+32.73	0.0000
0+307.1564	0.00	72.76	72.76	+72.76	0.0000
0+307.3105	0.00	72.76	72.76	+72.76	0.0000
0+307.4431	40.28	72.76	72.76	+32.48	0.0000
0+307.4919	0.00	72.76	72.76	+72.76	0.0000
0+307.4947	39.63	72.76	72.76	+33.13	0.0000
0+307.7296	0.00	72.75	72.75	+72.75	0.0000
0+307.8447	39.59	72.75	72.75	+33.16	0.0000
0+308.0815	0.00	72.75	72.75	+72.75	0.0000
0+308.1540	39.55	72.74	72.74	+33.19	0.0000
0+308.4123	39.19	72.74	72.74	+33.55	0.0000
0+308.4157	39.19	72.74	72.74	+33.55	0.0000
0+308.5628	40.09	72.74	72.74	+32.65	0.0000
0+308.6284	0.00	72.73	72.73	+72.73	0.0000
0+308.6520	39.63	72.73	72.73	+33.11	0.0000
0+308.7723	39.19	72.73	72.73	+33.54	0.0000
0+308.8839	0.00	72.73	72.73	+72.73	0.0000
0+309.0463	0.00	72.73	72.73	+72.73	0.0000
0+309.3841	0.00	72.72	72.72	+72.72	0.0000

부산외곽순환 고속도로 건설공사 실시설계

0+309.5620	0.00	72.72	72.72	+72.72	0.0000
0+309.7448	0.00	72.71	72.71	+72.71	0.0000
0+309.9651	40.28	72.71	72.71	+32.43	0.0000
0+310.0504	39.63	72.71	72.71	+33.08	0.0000
0+310.0940	40.09	72.70	72.70	+32.61	0.0000
0+310.1909	0.00	72.70	72.70	+72.70	0.0000
0+310.3104	39.18	72.70	72.70	+33.52	0.0000
0+310.4126	39.59	72.70	72.70	+33.11	0.0000
0+310.5126	0.00	72.70	72.70	+72.70	0.0000
0+310.5517	39.71	72.70	72.70	+32.99	0.0000
0+310.6629	0.00	72.69	72.69	+72.69	0.0000
0+310.6630	0.00	72.69	72.69	+72.69	0.0000
0+310.6728	39.19	72.69	72.69	+33.51	0.0000
0+310.7284	40.27	72.69	72.69	+32.42	0.0000
0+310.7851	0.00	72.69	72.69	+72.69	0.0000
0+311.0249	40.27	72.69	72.69	+32.41	0.0000
0+311.1665	39.62	72.68	72.68	+33.06	0.0000
0+311.1890	0.00	72.68	72.68	+72.68	0.0000
0+311.4213	39.18	72.68	72.68	+33.49	0.0000
0+311.4677	0.00	72.68	72.68	+72.68	0.0000
0+311.8284	0.00	72.67	72.67	+72.67	0.0000
0+311.9266	0.00	72.67	72.67	+72.67	0.0000
0+312.2278	0.00	72.66	72.66	+72.66	0.0000
0+312.4244	0.00	72.66	72.66	+72.66	0.0000
0+312.4455	39.73	72.66	72.66	+32.93	0.0000
0+312.5525	0.00	72.66	72.66	+72.66	0.0000
0+312.6417	40.27	72.65	72.65	+32.38	0.0000
0+312.6984	40.12	72.65	72.65	+32.53	0.0000
0+312.7234	0.00	72.65	72.65	+72.65	0.0000
0+313.0826	39.71	72.65	72.65	+32.94	0.0000
0+313.2830	0.00	72.64	72.64	+72.64	0.0000
0+313.2831	0.00	72.64	72.64	+72.64	0.0000
0+313.3390	39.18	72.64	72.64	+33.46	0.0000
0+313.4043	40.13	72.64	72.64	+32.50	0.0000
0+313.5365	39.18	72.64	72.64	+33.45	0.0000
0+313.7111	40.14	72.63	72.63	+32.49	0.0000
0+313.8476	0.00	72.63	72.63	+72.63	0.0000
0+313.9739	39.18	72.63	72.63	+33.45	0.0000
0+313.9765	0.00	72.63	72.63	+72.63	0.0000
0+313.9766	0.00	72.63	72.63	+72.63	0.0000
0+314.2856	0.00	72.62	72.62	+72.62	0.0000
0+314.4777	0.00	72.62	72.62	+72.62	0.0000
0+314.6874	0.00	72.61	72.61	+72.61	0.0000
0+315.1105	39.79	72.60	72.60	+32.82	0.0000
0+315.3349	40.18	72.60	72.60	+32.42	0.0000

0+315.3948	0.00	72.60	72.60	+72.60	0.0000
0+315.4818	39.75	72.60	72.60	+32.85	0.0000
0+315.7652	39.82	72.59	72.59	+32.77	0.0000
0+315.7722	0.00	72.59	72.59	+72.59	0.0000
0+315.7923	39.18	72.59	72.59	+33.41	0.0000
0+315.9083	39.18	72.59	72.59	+33.41	0.0000
0+315.9109	0.00	72.59	72.59	+72.59	0.0000
0+315.9110	0.00	72.59	72.59	+72.59	0.0000
0+316.0435	0.00	72.59	72.59	+72.59	0.0000
0+316.0806	39.83	72.59	72.59	+32.76	0.0000
0+316.2255	39.18	72.58	72.58	+33.40	0.0000
0+316.3599	0.00	72.58	72.58	+72.58	0.0000
0+316.8566	39.18	72.57	72.57	+33.39	0.0000
0+317.0968	0.00	72.56	72.56	+72.56	0.0000
0+317.1778	0.00	72.56	72.56	+72.56	0.0000
0+317.3988	0.00	72.56	72.56	+72.56	0.0000
0+317.7111	39.91	72.55	72.55	+32.64	0.0000
0+317.7182	0.00	72.55	72.55	+72.55	0.0000
0+317.8124	38.55	72.55	72.55	+34.00	0.0000
0+317.9912	0.00	72.55	72.55	+72.55	0.0000
0+318.0000	39.55	72.55	72.55	+33.00	0.0000
0+318.0048	0.00	72.55	72.55	+72.55	0.0000
0+318.2070	39.81	72.54	72.54	+32.74	0.0000
0+318.3281	0.00	72.54	72.54	+72.54	0.0000
0+318.5224	39.17	72.54	72.54	+33.36	0.0000
0+318.5899	40.26	72.54	72.54	+32.27	0.0000
0+318.7352	0.00	72.53	72.53	+72.53	0.0000
0+318.7957	39.83	72.53	72.53	+32.70	0.0000
0+318.8094	39.17	72.53	72.53	+33.36	0.0000
0+319.0511	0.00	72.53	72.53	+72.53	0.0000
0+319.1044	39.17	72.52	72.52	+33.35	0.0000
0+319.1218	39.85	72.52	72.52	+32.68	0.0000
0+319.3000	38.55	72.52	72.52	+33.97	0.0000
0+319.4317	39.17	72.52	72.52	+33.35	0.0000
0+319.7713	38.55	72.51	72.51	+33.96	0.0000
0+319.9274	0.00	72.51	72.51	+72.51	0.0000
0+319.9649	0.00	72.51	72.51	+72.51	0.0000
0+320.0000	38.55	72.51	72.51	+33.95	0.0000
0+320.0471	0.00	72.51	72.51	+72.51	0.0000
0+320.4793	0.00	72.50	72.50	+72.50	0.0000
0+320.5776	39.14	72.50	72.50	+33.35	0.0000
0+320.6999	0.00	72.49	72.49	+72.49	0.0000
0+320.7608	39.93	72.49	72.49	+32.56	0.0000
0+320.8111	0.00	72.49	72.49	+72.49	0.0000
0+320.9000	38.55	72.49	72.49	+33.94	0.0000

부산외곽순환 고속도로 건설공사 실시설계

0+321.0713	39.16	72.49	72.49	+33.32	0.0000
0+321.8539	40.26	72.47	72.47	+32.21	0.0000
0+322.0107	0.00	72.47	72.47	+72.47	0.0000
0+322.4547	0.00	72.46	72.46	+72.46	0.0000
0+322.5179	0.00	72.46	72.46	+72.46	0.0000
0+322.5533	39.16	72.46	72.46	+33.29	0.0000
0+322.5537	39.12	72.46	72.46	+33.33	0.0000
0+322.5565	0.00	72.46	72.46	+72.46	0.0000
0+322.5566	0.00	72.46	72.46	+72.46	0.0000
0+323.6116	0.00	72.43	72.43	+72.43	0.0000
0+324.2332	0.00	72.42	72.42	+72.42	0.0000
0+324.4452	39.79	72.42	72.42	+32.63	0.0000
0+324.5057	0.00	72.42	72.42	+72.42	0.0000
0+324.7635	40.09	72.41	72.41	+32.32	0.0000
0+324.7722	0.00	72.41	72.41	+72.41	0.0000
0+324.9001	39.74	72.41	72.41	+32.67	0.0000
0+325.0600	0.00	72.41	72.41	+72.41	0.0000
0+325.1083	0.00	72.40	72.40	+72.40	0.0000
0+325.3341	39.16	72.40	72.40	+33.24	0.0000
0+325.6058	0.00	72.39	72.39	+72.39	0.0000
0+325.7699	39.16	72.39	72.39	+33.23	0.0000
0+326.1184	39.16	72.38	72.38	+33.23	0.0000
0+326.2000	40.35	72.38	72.38	+32.03	0.0000
0+326.2311	0.00	72.38	72.38	+72.38	0.0000
0+326.4079	0.00	72.38	72.38	+72.38	0.0000
0+326.4175	0.00	72.38	72.38	+72.38	0.0000
0+326.9020	39.51	72.37	72.37	+32.86	0.0000
0+327.0628	0.00	72.37	72.37	+72.37	0.0000
0+327.3103	38.98	72.36	72.36	+33.39	0.0000
0+327.5448	0.00	72.36	72.36	+72.36	0.0000
0+327.5508	0.00	72.36	72.36	+72.36	0.0000
0+327.7767	39.15	72.35	72.35	+33.20	0.0000
0+327.9332	0.00	72.35	72.35	+72.35	0.0000
0+328.4182	0.00	72.34	72.34	+72.34	0.0000
0+328.4658	0.00	72.34	72.34	+72.34	0.0000
0+328.5416	40.14	72.34	72.34	+32.20	0.0000
0+328.9294	39.15	72.33	72.33	+33.18	0.0000
0+329.1753	0.00	72.32	72.32	+72.32	0.0000
0+329.3205	40.98	72.32	72.32	+31.34	0.0000
0+329.5289	0.00	72.32	72.32	+72.32	0.0000
0+329.9519	0.00	72.31	72.31	+72.31	0.0000
0+330.0573	39.15	72.31	72.31	+33.16	0.0000
0+330.3921	39.14	72.30	72.30	+33.16	0.0000
0+330.6628	0.00	72.29	72.29	+72.29	0.0000
0+330.7871	39.08	72.29	72.29	+33.21	0.0000

0+331.1954	0.00	72.28	72.28	+72.28	0.0000
0+331.3466	40.88	72.28	72.28	+31.40	0.0000
0+331.5058	0.00	72.28	72.28	+72.28	0.0000
0+331.5561	0.00	72.28	72.28	+72.28	0.0000
0+331.6185	0.00	72.27	72.27	+72.27	0.0000
0+331.6540	40.86	72.27	72.27	+31.41	0.0000
0+332.4238	39.12	72.26	72.26	+33.14	0.0000
0+333.2533	0.00	72.24	72.24	+72.24	0.0000
0+333.5432	0.00	72.24	72.24	+72.24	0.0000
0+333.6564	0.00	72.23	72.23	+72.23	0.0000
0+333.6920	40.76	72.23	72.23	+31.47	0.0000
0+334.6535	0.00	72.21	72.21	+72.21	0.0000
0+335.4524	0.00	72.20	72.20	+72.20	0.0000
0+335.8829	39.06	72.19	72.19	+33.13	0.0000
0+336.0946	39.06	72.18	72.18	+33.13	0.0000
0+336.3125	38.93	72.18	72.18	+33.25	0.0000
0+336.5191	0.00	72.18	72.18	+72.18	0.0000
0+337.4384	39.13	72.16	72.16	+33.03	0.0000
0+337.9969	0.00	72.15	72.15	+72.15	0.0000
0+338.1530	39.03	72.14	72.14	+33.11	0.0000
0+338.1645	0.00	72.14	72.14	+72.14	0.0000
0+338.2674	0.00	72.14	72.14	+72.14	0.0000
0+339.1484	41.88	72.12	72.12	+30.24	0.0000
0+339.1486	0.00	72.12	72.12	+72.12	0.0000
0+340.0000	41.87	72.11	72.11	+30.23	0.0000
0+340.0002	0.00	72.11	72.11	+72.11	0.0000
0+340.1264	0.00	72.10	72.10	+72.10	0.0000
0+340.2312	0.00	72.10	72.10	+72.10	0.0000
0+340.2602	0.00	72.10	72.10	+72.10	0.0000
0+341.2188	41.75	72.08	72.08	+30.33	0.0000
0+341.2190	0.00	72.08	72.08	+72.08	0.0000
0+341.5411	0.00	72.08	72.08	+72.08	0.0000
0+342.0864	40.58	72.07	72.07	+31.49	0.0000
0+342.1861	0.00	72.06	72.06	+72.06	0.0000
0+342.2002	0.00	72.06	72.06	+72.06	0.0000
0+342.3619	0.00	72.06	72.06	+72.06	0.0000
0+342.7000	42.07	72.05	72.05	+29.98	0.0000
0+343.5062	39.04	72.04	72.04	+33.00	0.0000
0+343.6198	0.00	72.03	72.03	+72.03	0.0000
0+344.2051	33.48	72.02	72.02	+38.54	0.0000
0+344.2520	0.00	72.02	72.02	+72.02	0.0000
0+344.2668	0.00	72.02	72.02	+72.02	0.0000
0+344.2918	0.00	72.02	72.02	+72.02	0.0000
0+344.5324	0.00	72.02	72.02	+72.02	0.0000
0+344.9906	0.00	72.01	72.01	+72.01	0.0000

부산외곽순환 고속도로 건설공사 실시설계

0+345.1412	0.00	72.00	72.00	+72.00	0.0000
0+345.1887	40.43	72.00	72.00	+31.58	0.0000
0+345.3838	0.00	72.00	72.00	+72.00	0.0000
0+345.5000	40.06	72.00	72.00	+31.94	0.0000
0+345.9273	0.00	71.99	71.99	+71.99	0.0000
0+346.0056	39.69	71.99	71.99	+32.30	0.0000
0+346.0105	39.69	71.99	71.99	+32.30	0.0000
0+346.2915	34.17	71.98	71.98	+37.81	0.0000
0+346.3785	0.00	71.98	71.98	+71.98	0.0000
0+346.5000	40.06	71.98	71.98	+31.92	0.0000
0+346.5381	0.00	71.98	71.98	+71.98	0.0000
0+346.6196	0.00	71.97	71.97	+71.97	0.0000
0+347.4731	0.00	71.96	71.96	+71.96	0.0000
0+347.5193	0.00	71.96	71.96	+71.96	0.0000
0+347.5445	0.00	71.96	71.96	+71.96	0.0000
0+348.0179	0.00	71.95	71.95	+71.95	0.0000
0+348.1013	40.01	71.94	71.94	+31.93	0.0000
0+348.1673	0.00	71.94	71.94	+71.94	0.0000
0+348.2054	0.00	71.94	71.94	+71.94	0.0000
0+348.6300	0.00	71.93	71.93	+71.93	0.0000
0+348.9244	0.00	71.93	71.93	+71.93	0.0000
0+348.9775	0.00	71.93	71.93	+71.93	0.0000
0+349.6130	0.00	71.91	71.91	+71.91	0.0000

VIP STATION 0+420.0000

구 분	STATION	지반고	계획고	ELEV	절성고	종 거	구 배	길 이
BVC	0+350.0000	0.00	71.91	71.91	+71.91	0.0000	-2.0000	140.00
VIP	0+420.0000	70.46	69.75	70.51	-0.71	-0.7564		
EVC	0+490.0000	73.43	66.08	66.08	-7.35	0.0000	-6.3220	

중단곡선변화비율(K) = 32.39

측정(STA.)	지 반 고	계 획 고	ELEV	절 성 고	종 거
0+350.2622	0.00	71.90	71.90	+71.90	-0.0000
0+350.2622	0.00	71.90	71.90	+71.90	-0.0000
0+350.5699	44.70	71.90	71.90	+27.19	-0.0001
0+350.8768	0.00	71.89	71.89	+71.89	-0.0001
0+350.9679	0.00	71.89	71.89	+71.89	-0.0001
0+351.0205	0.00	71.89	71.89	+71.89	-0.0002
0+351.2044	38.94	71.88	71.88	+32.94	-0.0002
0+351.3000	44.33	71.88	71.88	+27.55	-0.0003
0+352.1755	0.00	71.86	71.86	+71.86	-0.0007

0+352.4010	0.00	71.86	71.86	+71.86	-0.0009
0+352.5213	0.00	71.86	71.86	+71.86	-0.0010
0+352.5450	44.90	71.85	71.86	+26.95	-0.0010
0+352.6681	44.91	71.85	71.85	+26.94	-0.0011
0+352.9754	0.00	71.85	71.85	+71.85	-0.0014
0+354.0619	0.00	71.82	71.83	+71.82	-0.0025
0+354.2751	0.00	71.82	71.82	+71.82	-0.0028
0+354.5007	0.00	71.81	71.82	+71.81	-0.0031
0+354.6447	45.12	71.81	71.81	+26.69	-0.0033
0+355.4327	39.45	71.79	71.80	+32.34	-0.0046
0+355.4330	0.00	71.79	71.80	+71.79	-0.0046
0+356.4306	39.07	71.77	71.78	+32.70	-0.0064
0+356.4310	0.00	71.77	71.78	+71.77	-0.0064
0+356.6259	39.07	71.77	71.77	+32.70	-0.0068
0+356.6262	0.00	71.77	71.77	+71.77	-0.0068
0+356.8036	0.00	71.76	71.77	+71.76	-0.0071
0+358.5303	39.07	71.72	71.74	+32.65	-0.0112
0+358.5307	0.00	71.72	71.74	+71.72	-0.0112
0+358.8014	0.00	71.72	71.73	+71.72	-0.0120
0+359.7182	0.00	71.70	71.71	+71.70	-0.0146
0+360.0000	49.23	71.69	71.71	+22.46	-0.0154
0+360.1901	0.00	71.69	71.70	+71.69	-0.0160
0+360.4515	0.00	71.68	71.70	+71.68	-0.0169
0+362.2851	0.00	71.64	71.66	+71.64	-0.0233
0+362.6132	37.42	71.63	71.65	+34.21	-0.0246
0+362.7383	0.00	71.63	71.65	+71.63	-0.0250
0+362.8477	49.30	71.62	71.65	+22.32	-0.0255
0+363.0655	40.13	71.62	71.65	+31.49	-0.0263
0+363.0861	0.00	71.62	71.65	+71.62	-0.0264
0+363.3752	40.19	71.61	71.64	+31.43	-0.0276
0+363.4193	0.00	71.61	71.64	+71.61	-0.0278
0+364.1627	0.00	71.59	71.62	+71.59	-0.0310
0+364.3212	0.00	71.59	71.62	+71.59	-0.0317
0+364.4902	0.00	71.58	71.62	+71.58	-0.0324
0+364.9367	49.40	71.57	71.61	+22.18	-0.0344
0+365.1133	0.00	71.57	71.60	+71.57	-0.0353
0+365.1540	40.52	71.57	71.60	+31.05	-0.0354
0+365.2348	33.18	71.57	71.60	+38.39	-0.0358
0+365.5067	0.00	71.56	71.60	+71.56	-0.0371
0+365.6008	0.00	71.56	71.59	+71.56	-0.0376
0+365.8528	51.19	71.55	71.59	+20.36	-0.0388
0+365.9512	0.00	71.55	71.59	+71.55	-0.0393
0+366.0071	0.00	71.55	71.59	+71.55	-0.0396
0+366.2479	0.00	71.54	71.58	+71.54	-0.0407
0+367.1674	40.55	71.52	71.56	+30.97	-0.0455

부산외곽순환 고속도로 건설공사 실시설계

0+367.4507	0.00	71.51	71.56	+71.51	-0.0470
0+367.6811	0.00	71.50	71.55	+71.50	-0.0483
0+368.0576	29.45	71.50	71.55	+42.05	-0.0503
0+368.4096	0.00	71.49	71.54	+71.49	-0.0523
0+368.4456	29.39	71.49	71.54	+42.10	-0.0525
0+368.6190	0.00	71.48	71.53	+71.48	-0.0535
0+369.2414	40.95	71.46	71.52	+30.52	-0.0571
0+369.5354	0.00	71.46	71.52	+71.46	-0.0589
0+369.9894	48.67	71.45	71.51	+22.77	-0.0617
0+370.1277	29.14	71.44	71.50	+42.30	-0.0625
0+370.4100	48.72	71.43	71.50	+22.71	-0.0643
0+370.5401	0.00	71.43	71.50	+71.43	-0.0651
0+370.6864	0.00	71.43	71.49	+71.43	-0.0661
0+372.0036	46.11	71.39	71.47	+25.29	-0.0747
0+372.0498	49.10	71.39	71.47	+22.29	-0.0750
0+372.4672	0.00	71.38	71.46	+71.38	-0.0779
0+372.4683	49.15	71.38	71.46	+22.23	-0.0779
0+372.5976	0.00	71.38	71.45	+71.38	-0.0788
0+372.6552	0.00	71.37	71.45	+71.37	-0.0792
0+372.8433	54.42	71.37	71.45	+16.95	-0.0805
0+373.1082	0.00	71.36	71.44	+71.36	-0.0824
0+373.8727	28.96	71.34	71.43	+42.38	-0.0880
0+374.4110	54.57	71.33	71.42	+16.76	-0.0920
0+374.4407	0.00	71.33	71.42	+71.33	-0.0922
0+374.7000	0.00	71.32	71.41	+71.32	-0.0942
0+374.7854	0.00	71.32	71.41	+71.32	-0.0948
0+374.8869	54.62	71.31	71.41	+16.70	-0.0956
0+375.0057	46.40	71.31	71.41	+24.91	-0.0965
0+375.9092	28.65	71.28	71.39	+42.64	-0.1036
0+376.4439	54.77	71.27	71.38	+16.50	-0.1079
0+379.9211	54.79	71.17	71.31	+16.38	-0.1382
0+380.0000	57.62	71.17	71.31	+13.54	-0.1389
0+380.2930	0.00	71.16	71.30	+71.16	-0.1416
0+381.0458	41.52	71.14	71.29	+29.62	-0.1488
0+381.0464	0.00	71.14	71.29	+71.14	-0.1488
0+381.9079	54.99	71.11	71.27	+16.13	-0.1572
0+382.2761	0.00	71.10	71.26	+71.10	-0.1608
0+382.8130	55.04	71.08	71.25	+16.05	-0.1662
0+384.7699	55.23	71.02	71.21	+15.79	-0.1866
0+385.0000	58.68	71.02	71.21	+12.33	-0.1891
0+386.1643	50.01	70.98	71.18	+20.97	-0.2019
0+386.7628	50.04	70.96	71.17	+20.92	-0.2086
0+386.8940	0.00	70.96	71.17	+70.96	-0.2101
0+387.0721	0.00	70.95	71.17	+70.95	-0.2121
0+387.2307	60.03	70.95	71.16	+10.91	-0.2140