



第二章 工作範圍

2.1 工作範圍

本計畫工作範圍涵蓋花蓮機廠及機務段改善工程及自臺鐵臺東線花蓮站至玉里站間約 84.3 公里(臺東線里程 K0+000~K84+300)，其間壽豐站至南平站間、南平站至萬榮站間(施工中)、萬榮站至光復站及瑞穗站至三民站已完成電化雙軌路段，其餘路段為單軌區間將進行雙軌化，計畫工程平面位置示意圖參見圖 2.1-1。

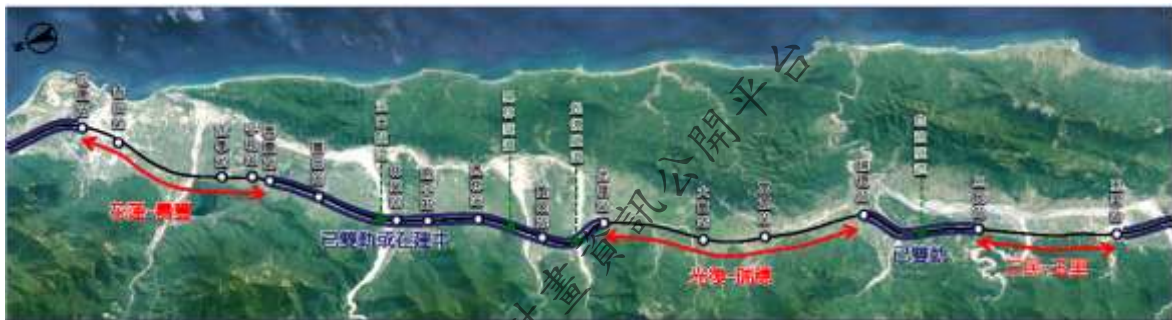


圖 2.1-1 工程範圍平面位置示意圖

2.2 工作項目

本案補充地質調查工作項目如下：

1. 現地鑽探、取樣及試驗
2. 地物探測(垂直地電阻)
3. 試驗室土/岩室內試驗
4. 水位觀測井與水壓計

2.3 現場鑽探、取樣數量

本計畫進行現場地質鑽探共施鑽 77 孔(鑽孔位置詳附錄 C 平面位置圖)，總深度為 3190 公尺，各鑽孔座標高程如表 2.3-1 所示，鑽探完成後實際鑽探深度及取樣工作數量明細一覽表如表 2.3-2。



表 2.3-1 鑽孔座標及高程一覽表

孔號	深度 (m)	TW97 座標		孔口高程 (m)	鑽孔 目的
		緯距(N)	經距(E)		
BH-11	30	2652543.76	310319.76	15.73	永吉陸橋至中山路路段(含中華路平交道及荳蘭圳橋)
BH-13	50	2652278.48	310217.25	16.29	
BH-14	40	2652202.22	310131.39	16.95	
BH-15	50	2652199.36	310074.28	16.71	
BH-16	60	2652107.25	310016.98	17.61	
BH-17	40	2652059.39	309950.45	17.33	
BH-18	50	2652004.28	309886.13	17.40	
BH-19	40	2651936.36	309787.88	18.45	
BH-20	50	2651805.72	309620.28	21.25	
BH-21	40	2651757.86	309571.08	21.01	
BH-25	40	2648157.46	304944.39	77.42	木瓜溪橋
BH-26	40	2648057.22	304960.32	76.55	
BH-27	50	2648049.39	304841.05	78.82	
BH-28	40	2647966.39	304851.18	78.30	
BH-29	60	2647845.45	304759.69	79.55	
BH-32	40	2647537.06	304715.39	71.55	
BH-33	40	2647440.48	304679.92	71.89	
BH-34	40	2647345.33	304640.08	72.11	
BH-35	35	2647228.69	304618.86	72.20	
BH-37	35	2641806.25	302852.12	41.90	荖溪橋
BH-38	50	2641725.08	302839.66	36.50	
BH-39	40	2641565.33	302725.28	38.18	
BH-40	20	2617593.66	292781.09	117.96	光復溪橋
BH-41	35	2617603.22	292779.88	118.1	
BH-42	50	2617548.33	292772.69	116.98	
BH-43	35	2617393.33	292727.18	118.55	
BH-46	50	2612235.59	289975.26	178.86	加濃溪橋
BH-47	35	2612199.56	289962.96	181.85	
BH-49	40	2605933.59	288553.95	133.31	麻仔漏溪橋
BH-50	50	2605811.26	288595.26	131.31	
BH-51	40	2605693.27	288520.48	130.12	
BH-52	50	2605598.88	288509.42	129.62	
BH-53	40	2605504.48	288498.69	129.50	
BH-55	35	2,604,552.181	288,478.675	119.56	瑞北高架橋
BH-56	40	2,604,458.838	288,479.981	118.43	
BH-57	35	2,604,366.390	288,482.517	117.14	
BH-58	40	2,604,256.310	288,487.304	115.68	



BH-59	40	2,604,148.409	288,389.130	113.45	
BH-60	40	2,604,076.713	288,400.515	112.36	
BH-61	40	2,603,955.674	288,442.565	111.34	
BH-62	60	2,603,856.987	288,464.694	110.55	
BH-63	40	2,603,767.323	288,501.377	110.45	
BH-64	35	2,603,665.037	288,503.819	109.10	
BH-65	40	2,603,567.646	288,507.079	108.26	
BH-66	40	2,603,469.596	288,510.090	107.31	
BH-67	40	2,603,367.615	288,514.252	106.58	
BH-68	35	2,603,269.059	288,521.638	105.87	
BH-69	40	2,603,177.073	288,519.269	105.05	
BH-71	35	2,602,969.071	288,532.022	103.50	
BH-72	40	2,602,848.694	288,538.016	102.93	
BH-73	40	2,602,766.994	288,535.012	101.14	
BH-74	60	2,602,667.654	288,545.633	100.72	
BH-75	40	2,602,566.305	288,533.274	99.13	
BH-76	40	2,602,477.551	288,522.760	97.89	
BH-77	35	2,602,368.931	288,506.000	96.55	
BH-78	40	2,602,253.598	288,493.545	95.94	
BH-79	40	2,602,162.516	288,482.504	95.36	
BH-80	40	2,602,069.085	288,471.644	94.59	
BH-81	40	2,601,957.840	288,457.020	93.51	
BH-82	35	2,601,869.804	288,446.632	93.18	
BH-83	40	2,601,759.532	288,437.252	92.79	
BH-84	60	2,601,668.488	288,422.095	92.31	
BH-85	40	2,601,572.824	288,409.880	92.33	
BH-86	35	2,601,452.516	288,394.060	91.75	
BH-87	40	2,601,375.317	288,383.324	91.47	
BH-88	40	2,601,284.439	288,371.859	90.86	
BH-91	40	2,600,875.608	288,293.200	91.93	
BH-92	35	2,600,822.304	288,315.947	91.23	
BH-93	20	2,583,941.480	282,983.708	115.44	路堤段 (卓溪橋北側)
N1	40	2,583,348.969	282,763.287	128.78	卓溪橋
N2	40	2,583,251.872	282,728.387	129.10	
N3	60	2,583,151.683	282,595.160	134.32	
BH-97	35	2,582,746.341	282,391.282	141.50	玉里榮醫平交 道立體化
BH-98	30	2,581,969.780	282,014.922	139.81	
BH-99	40	2,581,861.905	281,981.931	139.56	