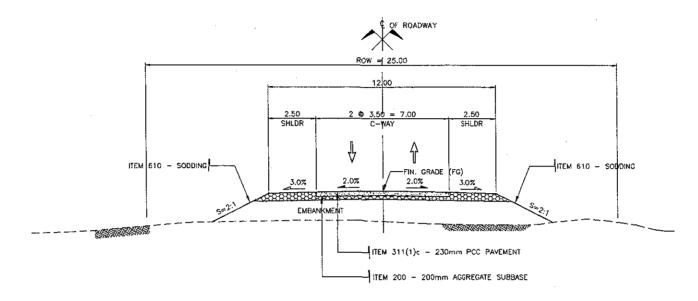
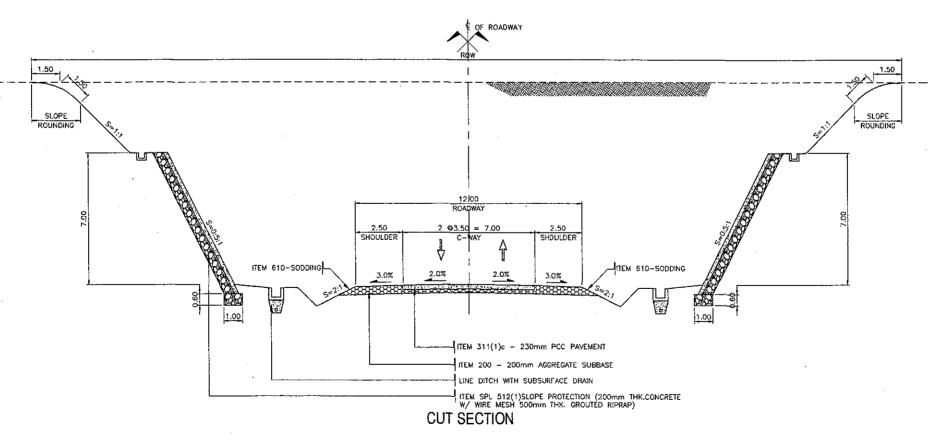


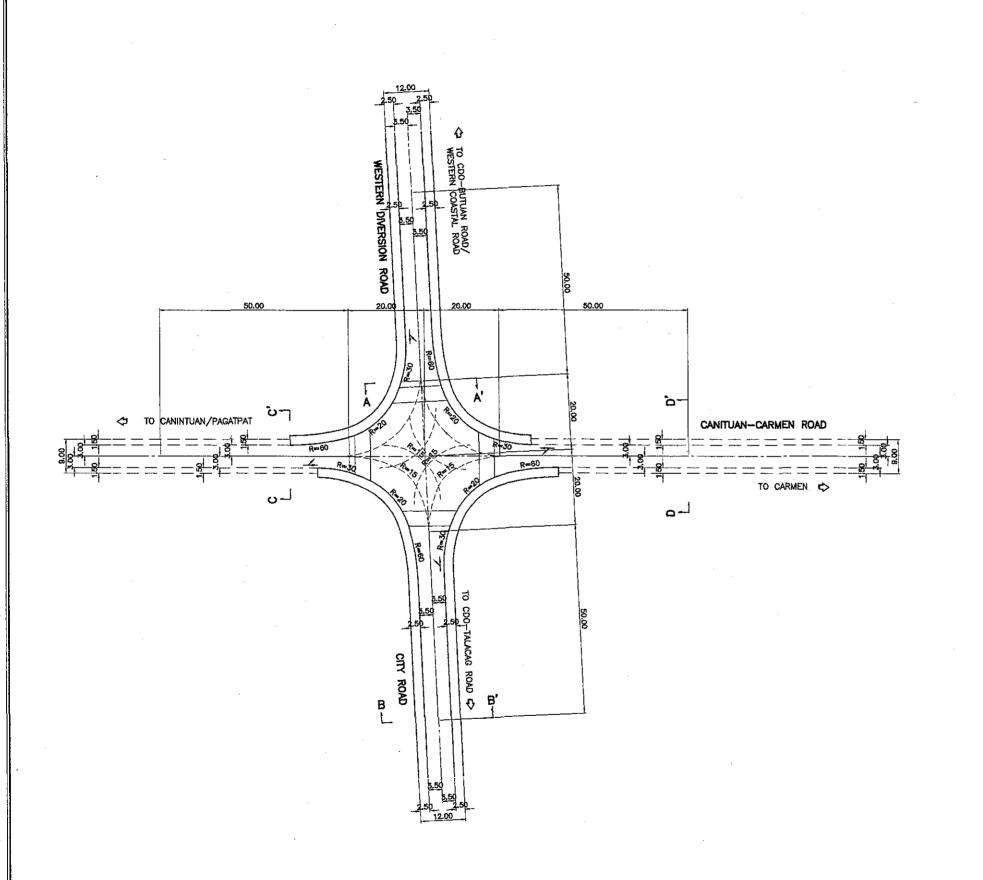
	THE STUDY ON ROAD NETWORK IMPROVEMENT FOR DEVELOPMENT OF REGIONAL GROWTH CENTERS	
SCALE :	CACAVAN DE ODO WESTERN BUIERDION DOLD	DRAWING NO
1:200	CAGAYAN DE ORO WESTERN DIVERSION ROAD TYPICAL ROAD SECTIONS	R-8

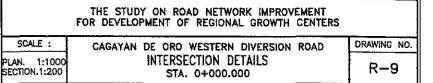


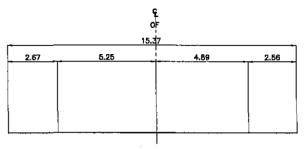
NORMAL SECTION



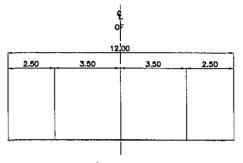
TYPICAL ROAD SECTIONS - CAGAYAN DE ORO WESTERN DIVERSION ROAD



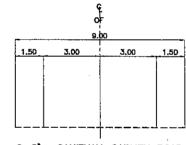




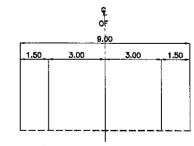
A-A': WESTERN DIVERSION ROAD



B-B' : CITY ROAD

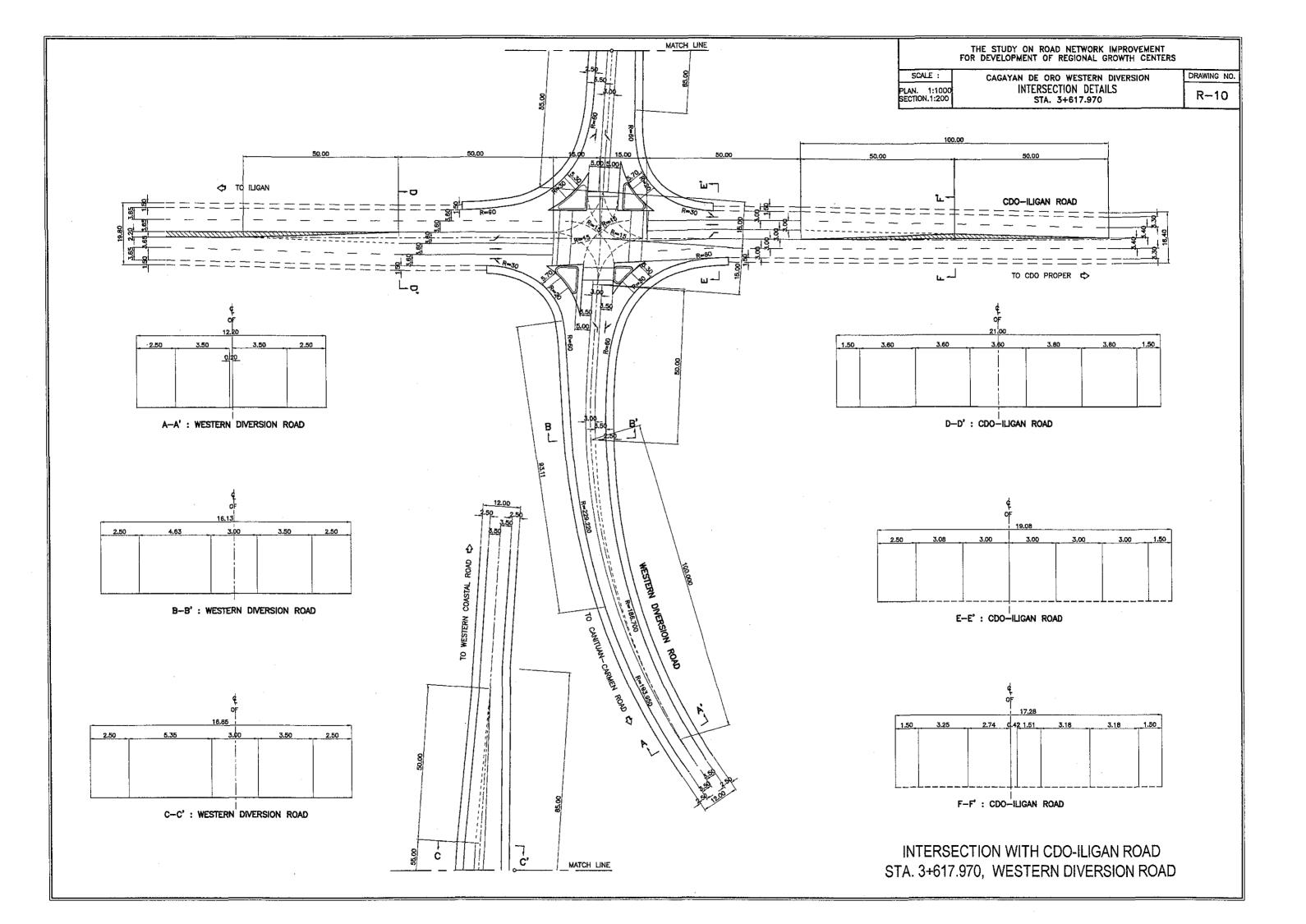


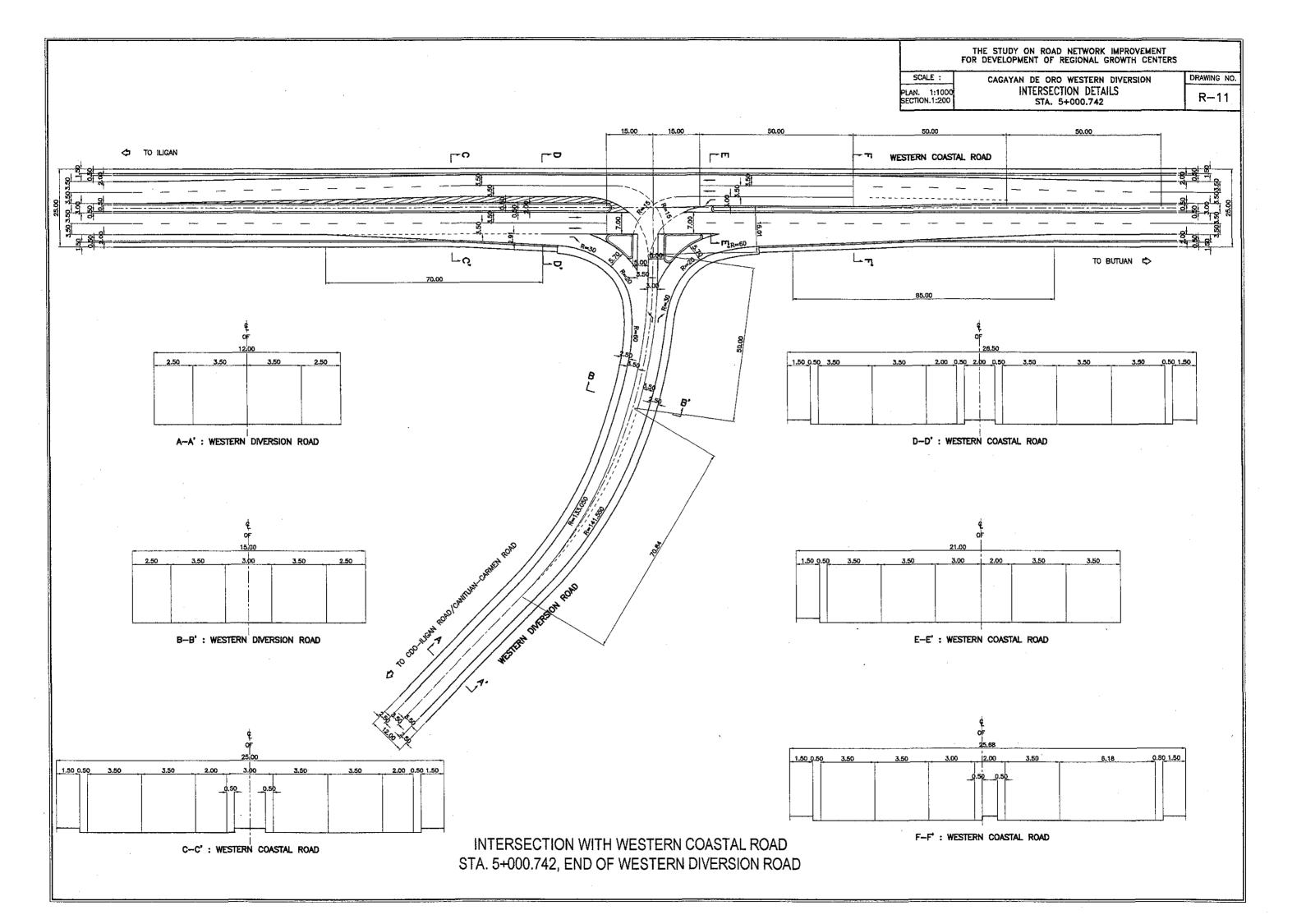
C-C': CANITUAN-CARMEN ROAD



D-D': CANITUAN-CARMEN ROAD

INTERSECTION WITH CANITUAN-CARMEN ROAD STA. 0+000.000, BEG. OF WESTERN DIVERSION ROAD







THE STUDY ON ROAD NETWORK IMPROVEMENT FOR DEVELOPMENT OF REGIONAL GROWTH CENTERS

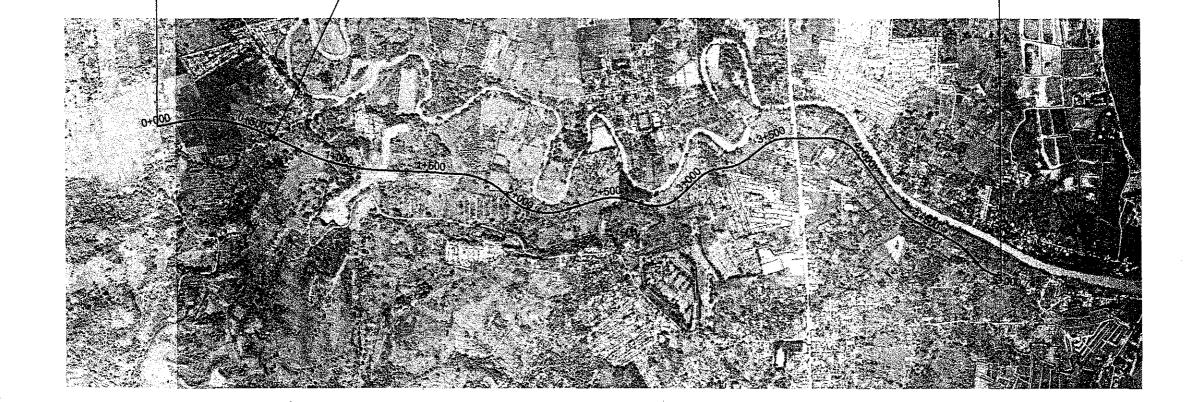
SCALE :

CAGAYAN DE ORO WESTERN DIVERSION ROAD LOCATION PLAN BRIDGE LIST

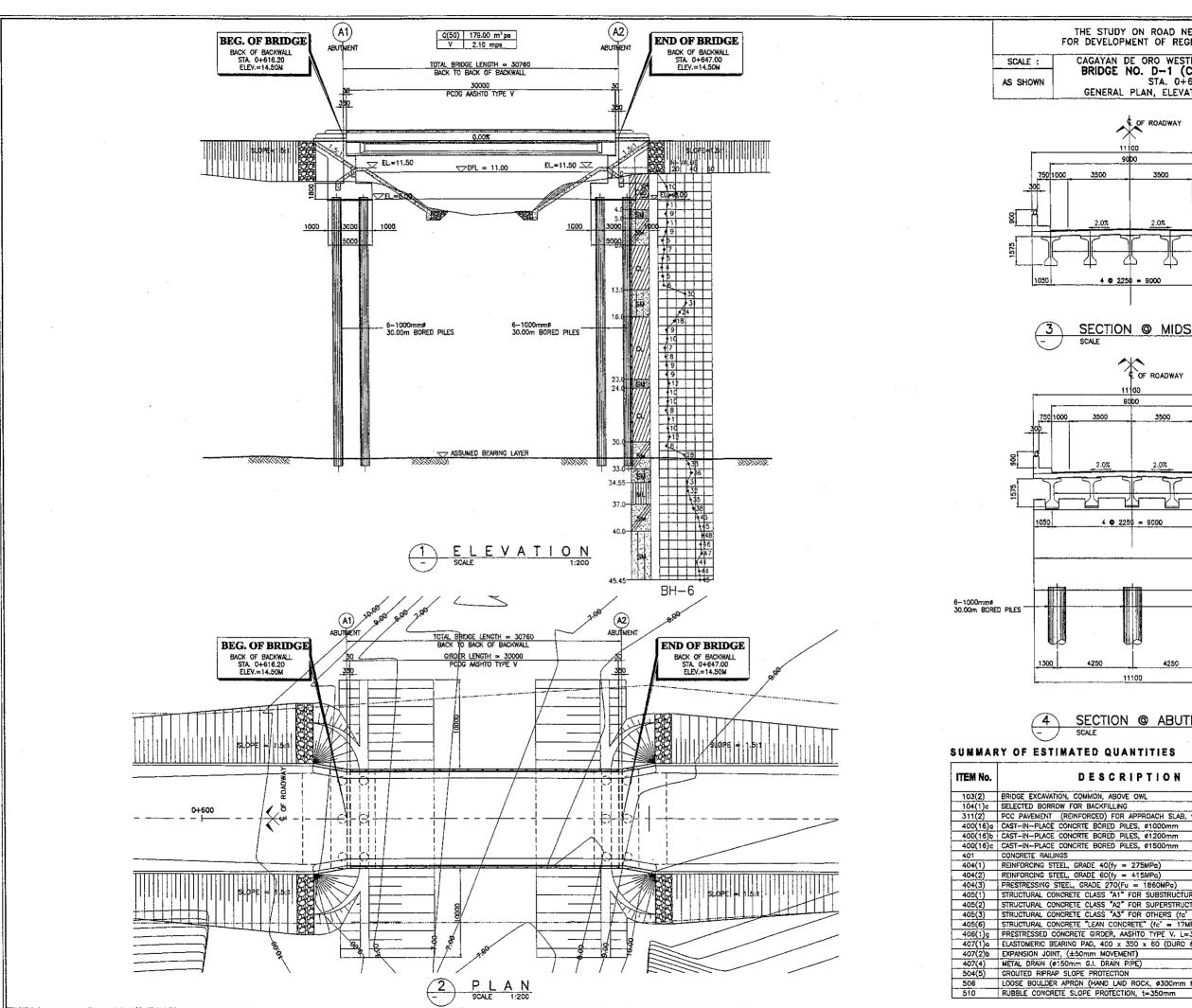
DRAWING NO.

START OF WESTERN DIVERSION ROAD STA. 0+000.000 BRIDGE NO. D-1 STA. 0+616.200 PCDG, 1 SPAN L = 30.00m

END OF WESTERN DIVERSION ROAD STA. 5+000.742

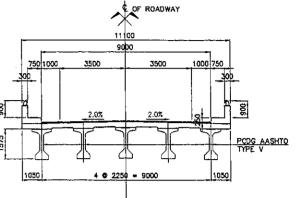


	STATI	ON		RIVE	ER HYDRAU	LICS			PROPOSEI	D BRIDGE	
BRIDGE NO.	BEGINNING	END	RIVER NAME	ELEV.	1 /- 2 ()	VELOCITY	NO. OF	SPAN	BRIDGE	SKEW	SUPERSTRUCTURE
		2110		DFL	(50 yrs)	m/s	SPAN	LENGTH (m)	LENGTH (m)	(deg.)	TYPE
D-1	STA. 0+616.200	STA. 0+647.000	CALAANAN RIVER	11.00	179	2.10	1	30	30.00	-	PCDG, AASHTO TYPE V

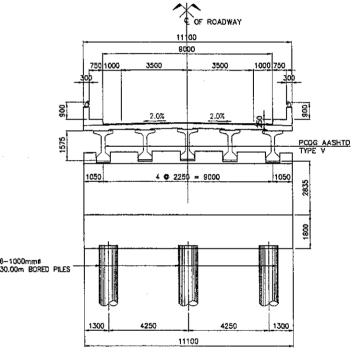


THE STUDY ON ROAD NETWORK IMPROVEMENT FOR DEVELOPMENT OF REGIONAL GROWTH CENTERS

CAGAYAN DE ORO WESTERN DIVERSION ROAD BRIDGE NO. D-1 (CALAANAN CREEK)
STA. 0+616.20
GENERAL PLAN, ELEVATION AND SECTIONS DRAWING NO. B-2



SECTION @ MIDSPAN SCALE 1:100



SECTION @ ABUTMENT

ITEM No.	DESCRIPTION	UNIT	QUANTITY	
103(2)	BRIDGE EXCAVATION, COMMON, ABOVE OWL	cu.m.	494.00	
104(1)c	SELECTED BORROW FOR BACKFILLING	¢u.m.	396.00	
311(2)	PCC PAVEMENT (REINFORCED) FOR APPROACH SLAB, t = 300mm	eq.m.	100,00	
400(16)a	CAST-IN-PLACE CONCRTE BORED PILES, \$1000mm	m	360.00	
400(16)b	CAST-IN-PLACE CONCRTE BORED PILES, #1200mm	m	_	
400(16)c	CAST-IN-PLACE CONCRTE BORED PILES, #1500mm	m	_	
401	CONCRETE RAILINGS	m	60.00	
404(1)	REINFORCING STEEL, GRADE 40(fy = 275MPa)	kg	1916.00	
404(2)	REINFORCING STEEL, GRADE 60(fy = 415MPa)	kg	77526.00	
404(3)	PRESTRESSING STEEL, GRADE 270(Fu = 1860MPa)	kg	_	
405(1)	STRUCTURAL CONCRETE CLASS "A1" FOR SUBSTRUCTURE (fc' = 24MPa)	cu.m.	324.00	
405(2)	STRUCTURAL CONCRETE CLASS "A2" FOR SUPERSTRUCTURE (fc' = 24MPa)	cu.m.	125.00	
405(3)	STRUCTURAL CONCRETE CLASS "A3" FOR OTHERS (fc' = 21MPa)	cu.m.	14.00	
405(6)	STRUCTURAL CONCRETE "LEAN CONCRETE" (fc' = 17MPg)	cu.m.	12.00	
406(1)g	PRESTRESSED CONCRETE GIRDER, AASHTO TYPE V. L=30.00M	ea	5.00	
407(1)o	ELASTONERIC BEARING PAD, 400 x 350 x 60 (DURO 60)	. ec	10.00	
407(2)b	EXPANSION JOINT, (±50mm MOVEMENT)	m	18.00	
407(4)	METAL DRAIN (#150mm G.I. DRAIN PIPE)	m	17.00	
504(5)	GROUTED RIPRAP SLOPE PROTECTION	cu.m.	12.20	
506	LOOSE BOULDER APRON (HAND LAID ROCK, \$300mm MIN., S.G. = 2.65	cu.m.	187.00	
510	RUBBLE CONCRETE SLOPE PROTECTION, t=350mm	cu.m.	345.00	

