JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REPUBLIC OF THE PHILIPPINES

THE DETAILED DESIGN STUDY ON

UPGRADING INTER-URBAN HIGHWAY SYSTEM ALONG THE PAN-PHILIPPINE HIGHWAY (PLARIDEL, CABANATUAN AND SAN JOSE BYPASSES)

INITIAL STAGE

LIBRARY

UNIT PRICE ANALYSIS

FOR

CABANATUAN BYPASS PACKAGE I

December 2002

KATAHIRA & ENGINEERS INTERNATIONAL YACHIYO ENGINEERING CO., LTD

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- 1. General Conditions for Cost Estimate
- 1) Procedure of Cost Estimation

Based on "Department Order No.57, 2002", Department of Public Works and Highways

2) Currency Exchange Rate 1 US = 52.28 PP= 120.12 yen as of 23/August/2002

3) Minimum Wage for Labor

- a) Wage Order No. RBIII-09, Effective from Jan. 16, 2002 National Wages and Productivity Commission, Department of Labor and Employment
- 4) Social Charge
 - a) National Health Insurance Program (NHIP) National Health Insurance Act (Art. X, RA 7875), effective from January 1, 2002
 - b) Social Security System (SSS)
 - SSC Resolution No. 900-s2001, effective from January 1, 2002

5) Material Cost

a) "Metro Manila Construction Materials Price and Indices",

- DTI, Construction Industry Authority of the Philippines (March, 2002)
- b) According to inquiries, quotations, other projects, hearing survey, etc.c) "Construction Price Book", Kensetu Bukka Chousa-kai, Japan

6) Equipment Cost

a) "Equipment Guidebook", Association of Carriers and Equipment Lessors (ACEL), INC. (Nov. 1998)

b) "Equipment Depreciation Cost Estimate Table", Japan Construction Equipment Association

7) Productivity

- a) "Construction Cost Estimate Standard", Ministry of Land Development and Transportation, Japan
 b) "Highway and Bridge Estimating Manual", DPWH, Bureau of Research and Standards (Dec. 1992)

8) General Basis Used for Cost Estimate

Вур		Cabanatuan	
Packar	ge No.		1
Station	Start	m	100+480.000
Station	End	m	109+920.000
Construction Length		m	9, 440. 000
Province			Nueva Ecija, Central Luzon
Distance from Manila	km	100.0	
Construction Period		month	32.0
Minimum Wage for Lab	or	PP/day	224.50
Equipment Rental Ext; Manila	ra out of	%	2.0%
Mobilization Distance	e	km	100.0
Hauling Distance	Soil	km	17.4
from near by	Sand	km	7.5
material source	Aggregate	km	7.5
	Gravel	km_	7.5
Hauling Distance for	Soil	km	5.0
disposal	Debris	km	5.0
Average Distance for Plant, Fabrication Ya Construction Length)	-	km	2. 4
AASHTO Girder	Max. L Total nos.	m each	<u>25.0</u> 25

2. Estimated Project Cost

Project : Upgrading Inter-Urban Highway System Along the Pan-Philippine Highway - Cabanatuan Bypass Initial Stage Pacakage 1 Location: Region III Central Luzon

Explanation of columns (D. (2), (3), (4), (5) = Input
(6), (7), (8) = percentage of markups
(9) = (6) + (7) + (8)
@l≃6.x.Ó) _
$(1) = ((5) + (10)) \times VAT(10, 0\%)$
(i) = (i) + (i)
(j) = (j) + (j)
() = () ÷ ()
16) = (3) x 10

	<u>ased on Departm</u>	ent Orde	er No, 57,	2002 c	of DPWH)
Total Estimated Dire	et Cost of the	Indirec	t Costs	Mob/	Markup
Project (PP)	<u>(max</u>	imum)	Demob	Total
Above	up to	0CM_	Profit	(max)	(max)
0	1,000,000	13.0%	15.0%	1.0%	29.0%
1,000,000	5,000,000	12.0%	14.0%	1.0%	27.0%
5,000,000	10,000,000	12.0%	13.0%	1.0%	26.0%
10,000,000	20,000,000	11.0%	12.0%	1.0%	24.0%
20,000,000	50,000,000	11.0%	11.0%	1.0%	23.0%
50,000,000		10.0%	10.0%	1.0%	21.0%

Markup percentage are determined by the following equations;

Markup	Equation	Coeff	icients
קטא נפוה	Edinariou	а	ь
0CM =	a N b	0. 2284	~0.04660
Profit =	$\mathbf{a} + \mathbf{b} \cdot \log(\mathbf{N})$	0.2813	-0.02355
Nob/Demob =	Estis	ated under Item SI	1. 800
where,	N:	Total Estimated	Direct Cost (PP)
	a. b :	Coefficients	

Adopted Markup Percentage 9, 1% 7, 9% 0.0% 17, 0%

Value Added Tax = 10,0%

				Estimated Direct	Ma	arkups (Te	stal Markup		Total Indirect	Total Cost	Unit Cost	Total Cost	
Item No.	Description	Quantity	Unit	Cost (PP)	OCM	Profit	Nob/ Demob	*	Value (PP)	УАТ (РР)	Cost (PP)	(PP)	(PP)	(PP)	Remarks
0	2		4	6	6	Ø	(8)	9		0	0			.6	
Part A	Facilities for the Engineer		•												
A(1)a	Provision of Combined Field Office/Laboratory Bldg. and Living Quarter	1.00	L. S.	2, 370, 000. 00	9. 1%	7.9%	0.0%	17.0%	402, 900, 00	277, 290. 00	680, 190. 00	3, 050, 190. 00	3, 050, 190. 00	3, 050, 190, 00	0. 627%
A(I)6	Maintenance of Field Office/Laboratory Bldg, and Living Quarter	32.00	month	2, 688, 000, 00	9. 1%	7.9%	0, 0%	17.0%	456, 960. 00	314, 496. 00	771, 456. 00	3, 459, 456. 00	108, 108, 00	3, 459, 456, 00	0.711%
A(1)c	Provision of Furniture and Fixtures for the Field Office/Laboratory and Living Quarter	1.00	L. S.	549, 000, 00	9. 1%	7.9%	0.0%	17, 0%	93, 330. 00	64, 233, 00	157, 563. 00	706, 563. 00	706, 563. 00	706, 563, 00	0. 145%
A(1)d	Provision of Equipment and Appliances for the Field Office/laboratory Bldg, and Living Quarter	1.00	L. S.	313, 000, 00	9, 1%	7.9%	0.0%	17.0%	53, 210. 00	36, 621. 00	89, 831. 00	402, 831. 00	402, 831, 00	402, 831. 00	0. 083%
A(l)e	Provision of Office Supplies and Consumable	32, 00	#onth	531, 200. 00	9, 1%	7.9%	0, 0%	17.0%	90, 304. 00	62, 150. 40	152, 454, 40	683, 654. 40	21, 364. 00	683, 648. 00	0.140%
A(I)f	Provide/Operate/Maintain Communication Equipment	32.00	month	167, 040, 00	9, 1%	7.9%	0.0%	17.0%	28, 396. 80	19, 543, 68	47, 940. 48	214, 980. 48	6, 718. 00	214, 976, 00	0. 044%
A(2) n	Provision of vehicles (sedan) for the Engineer (Rental including operation & Maintenance)	32.00	veh•an	2, 288, 000. 00	9, 1%	7, 9%	0. 0%	17.0%	388, 960, 00	267, 696, 00	656, 656, 00	2, 944, 656. 00	92, 021, 00	2, 944, 672. 00	0, 605%
A (2) b	Provision of vehicles (wagon) for the Engineer (Rental including operation & maintenance)	64, 00	vəh-m	5, 542, 400, 00	9. 1%	7.9%	0.0%	17.0%	942, 208. 00	648, 460, 80	1, 590, 668. 80	7, 133, 068, 80	111, 454, 00	7, 133, 056, 00	1. 465%
A (2) c	Provision of vehicles (pick-up) for the Engineer (Rental including operation & maintenance)	96.00	veh∙m	4, 800, 000. 00	9, 1%	7, 9%	0.0%	17.0%	816, 000, 00	561, 600. 00	1, 377, 6 00. 00	6, 177, 600. 00	64, 350. 00	6, 177, 600. 00	1. 269%
A (3)	Provision of Testing Equipment, Apparatus and Publications	1.00	L. S.	L, 040, 000. 00	9.1%	7.9%	0, 0%	17, 0%	176, 800. 00	121, 680, 00	298, 480, 00	1, 338, 480. 00	1, 338, 480, 00	1, 338, 480. 00	0. 275%
A(4)	Progress Photographs	2, 508.00	each	293, 436, 00	9.18	7, 9%	0.0%	17,0%		34, 332, 01			151.00	378, 708. 00	0.078%
Part C	Suptotal			20, 582, 078, 00					3, 498, 952, 92	2, 408, 102, 89	5, 907, 055, 81	26, 489, 131, 81		26, 490, 180, 00	5, 442%
100(1)	Clearing and Grubbing	33,00	ha	1, 273, 800, 00	9.1%	7.9%	0.0%	17.0%	216, 546, 00	149, 034, 60	365, 580, 60	1, 639, 380, 60	49, 678, 00	1, 639, 374, 00	0, 337%
100(3)	Individual Remova} of Trees, small {150mm≤ d <900mm}	158.00		13, 904. 00	9.1%	7, 9%			2, 363. 68	1, 626. 77	3, 990. 45	17, 894. 45	113,00	17, 854. 00	0, 004%
100(4)	Individual Removal of Trees, large (ф >900mm)	19.00		2, 299. 00	9.1%	7,9%			390, 83	268.98	659, 81	2, 958, 81	156,00	2, 964. 00	0, 001%
101(1)	Removal of Structures and Obstructions	1.00	L, S.	79,000,00	9.1%	7.9%	0.0%	17.0%	13, 430. 00	9, 243, 00	22, 673. 00	101, <u>6</u> 73, 00	101, 673, 00	101, 673, 00	0, 021%
101 (2) a	Removal of Existing Pedestrian Bridge (San Jose, at Bridge No.2)	0, 00	each	0.00	9.1%	7, 9%	0.0%	17.0%	0, 00	0,00	0,00	0,00	0, 00	0, 00	0. 000%
101 (2) 6	Removal of Existing Bridge (Plaridel at Bridge No.9)	0.00		0.00	9.1%	7,9%				0.00	0, 00	0.00	0, 00	0,00	0. 000%
101 (3) a 101 (3) b	Removal of Existing PCC Pavement Removal of Existing Gravel Pavement	<u>3, 547, 00</u> 0, 00		322,067.60	<u>9, 1%</u> 9, 1%	7.9%			54, 751. 49	<u>37, 681. 91</u> 0. 00	92, 433, 40	<u>414, 501. 00</u> 0, 00	117.00		0.085%
101 (3) B 101 (4) a	Removal of Existing Gravel Pavement Removal of Existing Fence (Net Fence with Barbed Wire and Wooden Posts)	0,00		0.00	<u>9, 18</u> 9, 1%	7.9%	1		0.00	0,00	0.00	0.00	0, 00 0, 00	0, 00 0, 00	0, 000%
t01 (4) b	Removal of Existing Fence (Net Fence with Barbed Wire and Concrete Posts)	0, 00	IN .	0, 00	9, 1%	7.9%	0.0%	17.0%	0. 00	0.00	0.00	0, 00	0, 00	0, 00	0, 000%

Item No.	Description	Quantity	Unit	Estimated Direct		larkups		1	otal Markup		Total Indirect	Total Cost	Unit Cost	Total Cost	··
		QUALITY	UNIT	Cost (PP)	OCM	Profit	Mob/ Demoh	8	Yatue (PP)	VAT (РР)	Cost (PP)	(PP)	(PP)	(PP)	Remarks
0	2	3	Ð	6	6	Ø	(8)	<u>(</u>		0		13			104431 KS
101 (4) c	Removal of Existing Fence (Concrete Hollow Block)	0.00	- m	0.00	9. 19	6 7.98	0.0%	17.0%	0,00	0,00	0, DL	<u> </u>			0.000
101 (5) a	Removal of Existing Guardrails	0.00		<u>0.00</u>	9. []	6 7.93	0.0%	17.0%			0.00				0, 0003
101 (5) b 101 (7)	Relocation of Existing Guardrails	0,00	<u></u>	0,00	9. 19			17.0%	0.00	0.00	0.00		0.00	0.00	0.000%
101 (8)	Removal of Existing Slope Protection Removal of Existing Slope Protection	0, 00	<u>m3</u>	0.00	9, 19		0,0%	17.0%	0.00	0.00	0,00			0.00	0,000%
	(Hand-laid Rock)	0, 00	pr3	0,00	9, 19	6 7.9%	0.0%	17.0%	0.00	0.00	0, 00	0.00	0,00	0,00	0.000%
101 (9) SPL 101 (10) a	Removal of Existing Gabion Relocation of Existing Transmission	0.00		0.00	9. 19			17.0%			0, 00	0,00	0.00	0.00	0.000%
SPL 101(10)b	Shutdown Charge for the Relocation of	0.00		0.00	9,1%		0.0%	17.0%	0,00	0.00	0.00	0.00	0.00	0,00	0.000%
art 101(10/6	Transmission Line	0,00	day	0.00	9.19	5 7.9%	0.0%	17, 0%	0.00	0.00	0,00	0.00	0, 00	0, 00	0.000%
101 (11)	Removal of Existing Combination Concrete Curb & Gutter/Side Strip	0.00	m	0.00	9, 1%	7, 9%	0.0%	17, 0%	0.00	0, 00	0.00	0,00	0.00	0.00	0. 000%
101 (12)	Relocation of Existing Road Signs	0.00		0.00	9.1%		0.0%		0,00	0.00	0.00	0.00	0.00	0,00	0,000%
101(14)	Removal of Existing Road Signs Removal of Existing Concrete Revetment	0.00	each L. S.	0,00	9.1%		0.0%				0.00		0,00	0.00	0,000%
102(1)	Unsuitable Excavation	237, 600, 00	ə. m3	29, 700, 000, 00	<u>9. 19</u> 9. 19		0,0%		0.00		0.00		0.00	0.00	0, 000%
102(2) 103(1)	Surplus Common Excavation	0.00		0.00	9, 1%	7.9%	0.0%				<u>8, 523, 900. 00</u> 0, 00			38, 253, 600, 00 0, 00	7.853%
	Structure Excavation Bridge Excavation above OWL (Common	l, 947. 00	m3	284, 262, 00	<u>9, 1%</u>	7,9%	0.0%	17.0%	48, 324, 54		81, 583, 19		188.00	366, 036, 00	0.000%
103 (2) a 103 (2) b	Soil)	434, 00	m3	63, 364, 00	9, 1%	7.9%	0.0%	17.0%	10, 771. 88	7, 413. 59	18, 185, 47	B1, 549. 47	188.00	B1, 592, 00	0.017%
	Bridge Excavation above OWL (Rocky Bridge Excavation below OWL (Common	0.00		0,00	9, 1%	7.9%	0.0%	17.0X	0,00	0.00	0,00	0.00	0.00	0.00	0, 000%
103 (2) c	Soil)	596, 00	m3	655, 600, 00	9, 1%	7.9%	0.0%	17.0%	111, 452, 00	76, 705. 20	188, 157. 20	843, 757, 20	1, 416. 00	843, 936, 00	0, 173%
<u>103 (2) d</u> 103 (3) a	Bridge Excavation below OWL (Rocky Gravel Foundation Fill	0.00	<u>m3</u>	0.00	9. 1%		0.0%	17.0%	0.00		0.00	0.00	0.00	0.00	0.000%
103 (3) b	Selected Sand Bedding	175.00	m3 m3	72, 275. 00	9. 1% 9. 1%		0.0%	17.0%	12, 286, 75		20, 742. 93	93, 017, 93	532.00	93, 100, 00	0,019%
103(6)	Pipe Culverts and Drain Excavation	8, 977, 00	m3	1, 274, 734, 00	9.1%		0.0%	<u>17.0%</u>	<u>0,00</u> 216,704,78		0.00		0.00	0.00	0.000%
103(7)	Granular Backfill for Pipe Culverts	4, 777, 00	<u>m3</u>	1, 413, 992, 00	9.1%	7.9%	0.0%	17.0%	240, 378, 64		405, 848, 66	1, 640, 582, 66 1, 819, 807, 70	183,00	1, 642, 791.00	<u>0. 337%</u>
<u>104(1)</u> 104(3)	Embankment from Excavated Soil Embankment from Borrow Soil	3, 794. 00	<u>n3</u>	576, 688, 00	<u>9, 1%</u>	7.9%	0.0%	17.0%	98, 036, 96	67, 472, 50	165, 509, 46	742, 197, 46	196.00	1,820,037.00	0. 374%
	Embankment from Borrow (Selected	623, 042. 00	<u>n3</u>	161, 367, 878, 00	<u>9. 1%</u>	7.9%	0.0%	17.0%	27, 432, 539, 26	18, 880, 041, 73	46, 312, 580, 99	207, 680, 458, 99	333.00	207, 472, 986, 00	42.665%
104 (4)	Granular Material) for Bridge	1, 125, 00	m3	309, 375, 00	9, 1%	7.9%	0.0%	17,0%	52, 593, 75	36, 196. 88.	88, 790, 63	398, 165, 63	354.00	398, 250, 00	0. 082%
	Subgrade Preparation (Common Soil) Subgrade Preparation (Existing Gravel	8, 713, 00	n 2	118, 496, 80	9, 1%	7.9%	0.0%	17.0%	20, 144, 45	13, 864. 13	34, 008, 58	152, 505, 38	17.50	152, 477, 50	0.031%
105 (2)	Surface)	0.00	m2	0, 00	9, 1%	7.9%	0.0%	17.0%	0.00	0.00	0,00	0, 00	0,00	0,00	0,000%
Part D	Subtotal Subbase and Base Course		a 1. a	197, 527, 735, 40				a	33, 579, 715, 01	23, 110, 745, 06	56, 690, 460, 07	254, 218, 195, 47		254.045.293.50	
200(1)	Aggregate Subbase Course	36, 700, 00	mä	18, 533, 500, 00	0.10								· · · · · · · · · · · · · · · · · · ·	204, 040, 295, 30	52.226%
	Aggregate Subbase Course using		ma	10, 233, 200, 00	9. 1%	7.9%	0.0%	17.0%	3, 150, 695, 00	2, 168, 419, 50	5, 319, 114, 50	23, 852, 614. 50	650, 00	23, 855, 000, 00	4. 900%
200 (2)	materials born by removal of existing gravel pavement	0, 00	m3	0.00	9. 1%	7.9%	0.0%	17.0%	0. 00	0, 00	0.00	0.00	0.00	0.00	0,000%
	Aggregate Base Course	12, 958, 00	m3	6, 867, 740, 00	9.1%	7.9%	0, 0%	17.0%	1. 167. 515. 80	803, 525, 58	1, 971, 041, 38	0 000 001 00			
204(1)	Cement Stabilized Sand Base Course Subtotal	0,00	m3	0.00	9.1%		0.0%	17.0%	0, 00	0,00	1, 971, 041, 38	8,838,781.38 0.00	682.00	8, 837, 356. 00 0, 00	1.816%
Part E	Surface Courses	ann an	stanio i stilli	25, 401, 240, 00	Court		<u>l analah</u>	296.0CS	4, 318, 210, 80	2, 971, 945. 08	7, 290, 155. 88	32, 691, 395, 88	U, W	32, 692, 356, 00	6,716%
300(1)	Gravel Surface Course	B, 474, 00	m3	4, 279, 370, 00	9. 1%	7.9%	0,0%	17.0%	727, 492, 90	600 000 00	1 800 100 10				
	Prime Coat	0.00	t	0.00	9.1%	7.9%	0.0%	17.0%	121, 492, 90	<u>500, 686. 29</u> 0, 00	<u>1, 228, 179, 19</u> 0, 00	5, 507, 549, 19 0, 00	650.00	5, 508, 100, 00	1. 131%
	Tack Coat Bituminous Concrete Surface Course, hot	0.00	t	0.00	9, 1%		0.0%	17.0%	0.00	0.00	0.00	0.00	0.00	0,00	0.000%
	laid	0,00	t	0.00	9.1%	7.9%	0.0%	17.0%	0. 00	0.00	0.00	0,00	0, 00	0.00	0.000%
310(2)	Asphalt Mixture Wearing Course (t=50mm) for bridge pavement	0.00	m2	0.00	9. 1%	7.9%	0.0%	17.0%	0.00	0.00	0.00	9.00	0,00		
	Waterproofing Layer for Pampanga Deck Slab	0.00	m2	0.00	9, 1%	7.9%	0.0%	17.0%	0.00	0.00				0.00	0, 000%
311(1)a	PCC Pavement (Plain), t=280mm	0.00	m2	0.00	9, 15	7.9%	0.0%	17.0%	0.00		0.00	0, 00	0.00	0.00	0, 000%
<u>311(1)b</u>	PCC Pavement (Plain), t=250mm	74, 141.00	#2	42, 631, 075.00	9.1%	7.9%	0.0%	17.0%	7, 247, 282, 75	0, 00 4, 987, 835, 78	0,00	0,00	0.00	0.00	0.000%
<u>311 (1) c</u> 311 (1) d	PCC Pavement (Plain), t=230mm PCC Pavement (Plain), t=180mm	4, 362.00	<u>n2</u>	2, 364, 204. 00	9, 1%	7, 9%	0.0%	17.0%	401, 914, 68	276, 611, 87	678, 526, 55	3, 042, 730, 55	740.00	54, 864, 340, 00 3, 044, 676, 00	11.272%
	PCC Pavement (Lean Mix Concrete)	0,00	m2 m3	0.00	<u>9, 1%</u> 9, 1%	7.9%	0.0%	17.0%	0.00	0, 00	0.00	0.00	0.00	<u>3,044,676,00</u> 0,00	0.625%
SPL 311(2)	PCC Pavement (Reinforced), t=300mm					7,9%	0.0%	17.0%	0,00	0.00	0.00	0.00	0, 00	0.00	0.000%
	(Approach Slab) Subtotal	396, 00	m2	815, 760, 00	9. 1%	7.9%	0, 0%	17.0%	138, 679, 20	95, 443, 92	234, 123. 12	1, 049, 883, 12	2, 651, 00	1, 049, 796. 00	0.216%
<u> </u>	The second se	unen ze telakigi e	92 <u>6-</u> 0031	50, 090, 409, 001	<u> </u>	n an Stat	1977 (M. 1977)		8, 515, 369, 53	5, 860, 577, 86	14, 375, 947, 39	64, 466, 356, 39		64, 466, 912, 00	13. 244%

				Estimated Direct	Me	rkups (Ťc	tal Markup		Total Indirect	Total Cost	Unit Cost	Total Cost	
Item No.	Description	Quantity	Unit	Cost (PP)	ocm	Profit	Mob/ Demob	*	Value (PP)	VAT (PP)	Cost (PP)	(PP)	(PP)	(PP)	Remarks
0	2	3	•	5	6	Ø	8	9	0	<u>0</u>	(12)	(Å	(Q	0	
Part F 400(3)a	Bridge Construction Steel H Piles (450mmx260kg/m),	0, 00	A	0.00	9.1%	7.9%	0.0%	17.0%	0.00	0.00	0.00	0.00	 0, 00	0.00	0.000%
400 (4) a	Precast RC Concrete Pile (400mm x 400mm), furnished	0, 00	'n	0, 00	9.1%	7.9%	0.0%	17.0%	0.00	0.00	0.00	0.00	0, 00	0.00	0. 000%
400 (4) b	Procast RC Concrete Pile (450mmx450mm) Furnished	1, 448. 00	m	2, 910, 480, 00	9. 1%	7.9%	0.0%	17.0%	494, 7B1. 60	340, 526. 16	835, 307, 76	3, 745, 787. 76	2, 587. 00	3, 745, 976. 00	0. 770%
400(10)a	Steel H Piles (450mmx260kg/m), driven	0.00	£1	0,00	9.1%	7.9%	0.0%	17, 0%	0, 00	0.00	0.00	0.00	0.00	0.00	0. 000%
400(13)a	Precast Concrete Piles (400mm x 400mm), driven	0.00	R)	0,00	9, 1%	7.9%	0.0%	17.0%	0. 00	0.00	0.00	0.00	0.00	0.00	0. 000%
400(13)6	Precast Concrete Piles (450mm x 450mm), driven	1, 233. 00	ß	431, 550. 00	9.1%	7, 9%	0.0%	17. 0%	73, 363, 50	50, 491, 35	123, 854, 85	555, 404. 85	450.00	554, 850. 00	0. 114%
400(15)a	Test Piles (400mm x 400mm), furnished & driven	0, 00	pa	0.00	9.1%	7,9%	0.0%	17, 0%	0, 00	0, 00	0.00	0.00	0.00	0.00	0. 000%
400(15)b	Test Piles (450mm x 450mm), furnished & driven	74.00	ne.	170, 200. 00	9.1%	7.9%	0, 0%	17.0%	28, 934. 00	19, 913. 40	48, 847. 40	219, 047. 40	2, 960, 00	219, 040, 00	0, 045%
400(15)c	Test Piles (Steel H Piles 460mmx260kg/m), furnished & driven	0.00	m	0.00	9.1%	7.9%	0,0%	17.0%	0.00	0.00	0, 00	0.00	0.00	0.00	0, 000%
400(16)a	Cast-in-place Concrete Bored Piles \$\phi 1000mm_	0. 00	Ø	0.00	9, 1%	7.9%	0.0%	17.0%	0.00	0, 00	0.00	0, 00	0.00	0, 00	0. 000%
400 (16) b	Cast-in-place Concrete Bored Piles \$\$\overline{1200mm}\$\$	0, 00	n	0, 00	9.1%	7.9%	0.0%	17, 0%	0.00	0.00	0.00	0.00	0, 00	0.00	0, 000%
400(16)c	Cast-in-place Concrete Bored Piles \$\overline{1500mm}\$	0.00	n	0,00	9, 1%	7.9%	0.0%	17.0%	0.00	0, 00	0.00	0, 00	0. 00	0. 00	0.000%
400 (16) d	Cast-in-place Concrete Bored Piles \$\overline{800mm}\$	0.00	- e	0.00	9.1%	7, 9%	0.0%	[7.0%	0. 00	0, 00	0. 00	0, 00	0. 00	0, 00	0. 000%
400(19)a	Pile shoes for 400mm x 400mm Piles	0.00	each	0.00	9.1%		0.0%	17.0%	0,00	0.00	0,00	0,00	0.00	0.00	0.000%
400 (19) b 400 (20) a	Pile shoes for 450mm x 450mm Piles Splices for 400mm x 400mm Piles	<u>177.00</u> 0.00	each each	<u>126, 909, 00</u> 0, 00	9, 1%		0.0%	17.0%	<u>21, 574, 53</u> 0, 00	<u>14, 848, 35</u> 0, 00	<u>36, 422, 88</u> 0, 00	163, 331, 88	923.00	163, 371.00	0.034%
400 (20) b	Splices for 450mm x 450mm Piles	0.00	each	0.00			0.0%	17.0%	0, 00	0.00	0,00	0.00	0,00	0.00	0.000%
400 (21)	Static Pile Load Test for ¢1500mm Bored Piles	0, 00	each	0.00	9. 1%	7.9%	0,0%	17, 0%	0,00	0.00	0.00	0.00	0.00	0.00	0. 000%
SPL 400(23)a	High Strain Dynamic Pile Test for \$1000mm Bored Piles	0, 00	each	0, 00	9, 1%	7.9%	0.0%	17. 0%	0.00	0,00	0, 00	0,00	0,00	0.00	0, 000%
SPL 400(23)b	High Strain Dynamic Pile Test for ¢ 1200mm Bored Piles	0.00	esch	0.00	9. 1%	7.9%	0,0%	17. 0%	0, 00	0.00	0, 00	0, 00	0.00	0.00	0. 000%
SPL 400(23)c	High Strain Dynamic Pile Test for \$\$00mm Bored Piles	0, 00	each	0, 00	9. 1%	7.9%	0.0%	17.0%	0. 00	0.00	0, 00	0.00	0.00	0.00	0. 000%
SPL, 400 (24)	Pile Integrity Test for Bored Piles of various diameter	0, 00	each	0.00	9.1%	7.9%	0.0%	17, 0%	0, 00	0.00	0,00	0.00	0.00	0.00	0. 000%
401(1)a	Concrete Railing Type A (Concrete Posts and Precast Beams)	229.00	m	283, 960, 00	9.1%	7.9%	0.0%	17.0%	48, 273. 20	33, 223. 32	81, 496, 52	365, 456. 52	1, 596. 00	365, 484. 00	0, 075%
401 (L) b	Concrete Railing Type B (Concrete Vall Type)	0, 00	tn	0.00	9.1%	7.9%	0.0%	17.0%	0.00	0.00	0.00	0, 00	0. 00	0, 00	0. 000%
401 (2) a	Steel Railing Type A for Angat and Talavera Bridge, and Approach of Pampanga Bridge	0, 00	m	0, 00	9. (%	7. 9%	0.0%	17,0%	0.00	0, 00	0, 00	0. 00	0, 00	Ø. 00	0, 000%
401 (2) b	Steel Railing Type B for Pampanga Main Bridge	0.00		0.00	9, 1%	7, 9%	0.0%	17,0%	0.00	0, 00	0.00	0,00	0.00	0, 00	0.000%
SPL 401 (3) a	Bridge Name Plate, 1000 x 600 mm for Angat Bridge	0.00	each	0, 00	9, 1%	1.9%	0.0%	17,0%	0.00	0.00	0, 00	0, 00	0.00	0.00	0.000%
SPL 401 (3) b	Bridge Name Plate, 1000 x 600 mm for Pampanga Bridge	0, 00	each	0,00	9, 1%	7.9%	0.0%	17, 0%	0. 00	0.00	0,00	0.00	0, 00	0, 00	0, 000%
SPL 401 (3) c	Bridge Name Plate, 1000 x 600 mm for Talavera Bridge	0, 00	each	0.00	9, 1%	7.9%	0.0%	17.0%	0.00	0.00	0.00	0.00	0, 00	0.00	0.000%
SPL 401 (3) d	Bridge Name Plate, 1000 x 600 mm for Interchange Ramp	0.00	each	0.00	9. 1%	7.9%	0, 0%	17, 0%	0.00	0.00	0.00	0, 00	0.00	0,00	0. 000%
403 (3)	Structural Steel for Pampanga River Bridge, furnished and fabricated	0.00	kg	0, 00	9, 1%	7.9%	0,0%	17, 0%	0.00	0.00	0.00	0.00	0, 00	0, 00	0.000%
403 (5)	Structural Steel for Pampanga River Bridge, erected	0, 00	kg	0,00	9, 1%	7.9%	0.0%	17, 0%	Q. 00	0.00	0.00	0.00	0.00	0. 00	0,000%
403 (8) a	Bearing Shoe for Steel Plate Girder Type 1 (Max. R=250t) in Pempenge Bridge	0, 00	each	0.00	9, 1%	7.9%	0.0%	17. 0%	0.00	0.00	0,00	0, 00	0,00	0, 00	0.000%

				Estimated Direct	Ma	rkups (To	tal Markup		Total Indirect	Total Cost	Unit Cost	Total Cost	
Item No.	Description	Quantity	Unit	Cost (PP)	OCM	Profit	Mob/ Demob	*	Value (PP)	VAT (PP)	Cost (PP)	(PP)	(PP)	(PP)	Remarks
		3	Ð	6	6	Ø	(B)	<u>(</u>)	10	0	(12)		60		
403 (8) b	Bearing Shoe for Steel Plate Girder Type 2 (Max. <u>8=650t) in Pampanga B</u> ridge	0, 00	each	0.00	9.1%	7, 9%	0.0%	17.0%	0.00	0.00	0, 00	0.00	0, 00	0.00	0.000%
403 (8) c	Bearing Shoe for Steel Plate Girder <u>Type 3 (Max. R=650t) in Pampanga Bridge</u>	0.00	each	0.00	9.1%	7.9%	0.0%	17, 0%	0.00	0, 00	0.00	0.00	0.00	0.00	0. 000%
SPL 403 (9)	Steel Grating for Sunlight Opening in Underpasses	0.00		0.00	9.1%	7.9%	0.0%	17, 0%	0,00	0, 00	0,00	0,00	0.00	0.00	0.000%
404(1) 404(2)	Reinforcement Steel Grade 40	171, 431.00		3, 994, 342, 30 3, 954, 202, 00	<u>9, 1%</u> 9, 1%	7,9%	0.0%	<u>17,0%</u> 17.0%	679, 038, 19 672, 214, 34	467, 338, 05	1, 146, 376, 24	5, 140, 718, 54 5, 089, 057, 97	30, 00	5, 142, 930, 00	1.056% L.045%
405(1)a	Reinforcement Steel Grade 60 Structural Concrete Class A (fc'=21MPa, max. aggregate 38mm) for heavily reinforced structures	1, 776. 00		5, 612, 160. 00	9.1%	7. 9%	0.0%		954, 067, 20	<u> </u>	1, <u>134, 888, 91</u> 1, 610, 689, 92	7, 222, 849. 92	4, 067. 00	<u>5, 083, 974-00</u> 7, 222, 992. 00	1. 484%
405(l)b	Structural Concrete Class A (fc'=21MPa, max, aggregate 38mm) for small & medium bridges substructures	٤, 001, 00	44 3	2, 252, 250, 00	9.1%	7,9%	Q. Q%	17.0%	382, 862, 50	263, 513, 25	646, 395, 75	2, 898, 645, 75	2, 896, 00	2, 898, 896, 00	0, 595%
405(l)c	Structural Concrete Class Al (fc'=21MPa, max. aggregate 20mm) for small & medium bridges RCDG	. 0.00	m3	0.00	9. [%	7.9%	0.0%	17.0%	0.00	0. 00	0. 00	0.00	0.00	0. 00	0.000%
405 (1) d	Structural Concrete Class Al (fc'=21MPa, max. aggregate 20mm) for small & medium bridges PCDG	378.00	m3	1, 512, 000, 00	9. 1%	7.9%	0.0%	17.0%	257, 040. 00	176, 904, 00	433, 944, 80	1, 945, 944. 00	5, 148, 90	1, 945, 944. 00	0.400%
405(1)e	Structural Concrete Class AAL (fc'=28MPa, max. aggregate 25) for long bridge substructures	0, 00	n 3	0,00	9.1%	7.9%	0.0%	17, 0%	0.00	0, 00	0. 00	0, 00	0.00	0. 00	0.000%
405(1)f	Structural Concrete Class AA2 (fc'=28MPa, max. aggregate 20mm) for long bridge superstructures	0,00	m3	0.00	9, 1%	7.9%	0.0%	17.0%	0.00	0.00	0.00	0,00	0.00	0.00	0.000%
405 (2)	Structural Concrete Class B (fc'=17MPa, max. aggregate 50mm) for plain or lightly reinforced structures	1, 827. 00	m3	4, 366, 530. 00	9.1%	7. 9%	0, 0%	17.0%	742, 310. 10	510, 884. 01	1, 253, 194, 11	5, 619, 724. 11	3, 076, 00	5, 619, 852. 00	J. 155%
405 (3)	Structural Concrete Class C (fc'=21MPa, max. aggregate 12mm) for thin reinforced members	65, 00	m3	168, 350, 00	9. 1%	7.9%	0.0%	17.0%	28, 619, 50	19, 696, 95	48, 316, 45	216, 666, 45	3, 333. 00	216, 645. 00	0. 045%
405 (4) b	Structural Concrete Class PP (41MPa, max. agg. 20mm) for prestressed box girders in Angat Bridge	0. 00	m3	0.00	9. 1%	7.9%	0.0%	17.0%	0.00	0.00	0.00	0.00	0. 00	0.00	0.000%
405(4)c	Structural Concrete Class PP (41MPa, max. agg. 20mm) for prestressed hollow slab girders _	0. 00	n 3	0.00	9.1%	7, 9%	D. 0%	17.0%	0.00	0. 00	0, 00	0.00	0, 00	0.00	0. 000%
405 (6)	Lean Concrete (17MPa, max, agg. 38mm), poured	174.00	in:S	339, 300. 00	9.1%	7.9%	0.0%	17.0%	57, 681, 00	39, 698. 10	97, 379, 10	436, 679. 10	2, 510, 00	436, 740. 00	0, 090%
406(l)a	Precast Prestressed Structural Concrete Nembers (AASNTO Girder Type IV L=20m), fabricated & erected	10.00	each	1, 840, 000. 00	9. 1%	7.9%	0, 0%	17.0%	312, 800, 00	215, 280. 00	528, 080, 00	2, 368, 080, 00	236, 808. 00	2, 368, 080, 00	0. 486%
406(l)b	Precast Prestressed Structural Concrete Members (AASHTO Girder Type IV L=22m), fabricated & greated	5.00	each	980, 000. 00	9. 1%	7, 9%	0, 0%	17.0%	166, 600. 00	114, 660, 00	281, 260, 00	1 <u>, 261, 260. 00</u>	252, 252. 00	1, 261, 260. 00	0. 259%
406(l)c	Precast Prestressed Structural Concrete Wembers (AASHTO Girder Type IV L=24m), fabricated & grected	0.00	each	0.00	9. 1%	7.9%	0.0%	17.0%	0. 00	0.00	0, 00	0.00	Ø, ØØ	Q. QQ	0,000%
406(l)d	Precast Prestressed Structural Concrete Members (AASHTO Girder Type IV L=25m), fabricated & erected	10.00	. each	2, 660, 000. 00	9, 1%	7, 9%	0. 0%	t7. 0%	452, 200. 00	311, 220. 00	763, 420, 00	3, 423, 420. 00	342, 342. 00	3, 423, 420, 00	0. 703%
408 (1) e	Precast Prestressed Structural Concrete Members (AASHTO Girder Type IV-B L=30m), fabricated & erected	0, 00	each	0.00	9.1%	7.9%	0.0%	17.0%	0.00	0.00	0.00	0. 00	0. 00	0.00	0, 000%
406(1)f	Precast Prestressed Structural Concrete Members (AASHTO Girder Type IV-8 L=31m), fabricated & erected_	0, 00	each	0.00	9.1%	7, 9%	0.0%	[7.0%	0.00	0, 00	0.00	0.00	0, 00	0.00	0. 000%
406(1)g	Precast Prestressed Structural Concrete Members (AASHTO Girder Type V L=29.4m), fabricated & erected	0.00	each	0.00	9.1%	7, 9%	0.0%	17.0%	0, 00	0.00	0, 00	0. 00	0.00	0.00	0. 000%

[- 				Estimated Direct	Ma	rkups (X)	T	otal Markup		Total Indirect	Total Cost	Unit Cost	Total Cost	
Item No.	Description	Quantity	Unit	Cost (PP)	OCM,	Profit	Mob/ Demob	×	Value (PP)	VAT (PP)	Cast. (PP)	(99)	(PP)	(PP)	Remarks
0	<u> </u>	3	4	6	6	Ô	8	9		0	(12)	<u>()</u>	<u> </u>	<u>(</u> ()	
408(I)h	Precast Prestressed Structural Concrete Member (AASHTO Girder Type V L=29,55m), fabricated & erected	0.00	each	0.00	9. 1%	7, 9%	0.0%	17.0%	0, 00	0.00	0, 00	0. 00	0.00	0.00	0, 000%
406(1) i	Precast Prestressed Structural Concrete Members (AASHTO Girder Type V L=33.5m), fabricated & erected	0, 00	each	0.00	9. 1%	7.9%	0.0%	17, 0%	0. 00	D, 00	0.00	0, 00	0, 00	0, 00	0. 000%
406(1) j	Precast Prestressed Structural Concrete Members (AASHTO Girder Type VI L=35m), fabricated & erected	0, 00	each	0.00	9. 1%	7, 9%	0.0%	17.0%	0, 00	0.00	0, 00	0.00	0, 00	0, 00	0. 000%
406(l)k	Precast Prestressed Structural Concrete Members (AASHTO Girder Type VI L=36m), fabricated & erected	0.00	each	0.00	9. 1%	7.9%	0,0%	17.0%	0, 00	0.00	0, 00	0.00	0.00	0.00	0.000%
408(1)1	Precast Prestressed Structural Concrete Members (AASHTO Girder Type VI(mod) L=39.4m), fabricated & erected	0.00	each	0, 00	9, 1%	7.9%	0.0%	17, 0%	0, 00	0, 00	0, 00	0, 00	0, 00	0.00	0. 000%
406(1)m	Precast Prestressed Structural Concrete Wembers (AASHTO Girder Type VI(mod) L=39.55m), fabricated & erected	0, 00	each	0, 00	9.1%	7.9%	0.0%	17.0%	0.00	0, 00	0.00	0, 00	0.00	0.00	0. 000%
406(1)n	Precast Prestressed Structural Concrete Members (AASHTO Girder Type VI(mod) L=40m), fabricated & erected	0, 00	each	0.00	9, 1%	7.9%	0.0%	17.0%	0, 00	0, 00	0.00	0. 00	0. 00	0.00	0. 000%
406(I)p	Precast Prestressed Structural Concrete (PC Deck Slab, 210 x 2000 x 9950mm)	0,00	m2	0, 00	9.1%	7, 9%	0.0%	17.0%	0, 00	0, 00	0.00	0.00	0, 00	0.00	0, 000%
406 (3) a	Prestressing Steel 12-T12.7 for PC Box Girders of Angat Bridge, Longituding	0,00	kg	0,00	9, 1%	7.9%	0.0%	t7.0%	0, 00	0.00	0.00	0, 00	0.00	0, 00	0.000%
406(3)b	Prestressing Steel 5-T12.7 for PC Box Girders of Angat Bridge, Transversal in Top Slab	0.00	kg	0.00	9. 1%	7.9%	0.0%	17.0%	0, 00	0, 00	0, 00	0, 00	0. 00	0, 00	0.000%
406(3)c	Prestressing Bar ф 32mm for PC Box Girders of Angat Bridge, Transversal in Diaphragms	0:00	kg	0. 00	9.1%	7.9%	0, 0%	17.0%	0.00	0.00	0, 00	0.00	0.00	0, 00	0. 000%
406 (3) d	Prestressing Bar ϕ 32mm for PC Box Girders of Anget Bridge, Vertical in Webs	0.00	kg	0, 00	9.1%	7.9%	0.0%	17, 0%	0, 00	0,00	0,00	0.00	0, 00	0.00	0. 000%
406 (3) e	Prestressing Steel 12-T12.7 for PC Hollow Slab Bridge for Burgol Ramp C, Longitudinal	0, 00	kg	0,00	9. 1%	7, 9%	0.0%	17,0%	0.00	0,00	0.00	Ð. 00	0, 00	0, 00	0. 000%
407(1)a	Elastomeric Bearing Pad, Dure 60 (400x300x50mm)	0.00	each	0.00	9, 1%	7.9%	0, 0%	17.0%	0.00	0, 00	0, 00	0, 00	0.00	0, 00	0. 000%
407(1)b	Elastomeric Bearing Pad, Duro 60 (600x300x50mm)	0.00	each	0, 00	9. 1%	7.9%	0.0%	17, 0%	0.00	0.00	0.00	0.00	0, 00	0,00	0.000%
407(1)c	Elastomeric Bearing Pad, Duro 60 (600x350x50mm)	50, 00	each	1, 075, 000. 00	9. 1%	7.9%	0.0%	17.0%	182, 750. 00	125, 775. 00	308, 525. 00	1, 383, 525. 00	27, 671, 00	1, 383, 550. 00	0. 284%
407 (1) d	Elastomeric Bearing Pad, Duro 60 (600x700x89mm)	0, 00	each	0, 00	9, 1%	7.9%	0.0%	17, 0%	0.00	0, 00	0.00	0, 00	0,00	0,00	0, 000%
407(1)e	Elastomeric Bearing Pad, Duro 60 (600x400x60mm)	0.00	each	0.00	9. 1%	7.9%	0.0%	17.0%	0.00	0.00	0.00	0, 00	0.00	0.00	0. 000%
407(1)f	Elastomeric Bearing Pad, Duro 60 (450x300x60mm)	0, 00	each	0, 00	9. 1%	7.9%	0, 0%	17.0%	0.00	0, 00	0,00	0.00	0.00	0.00	0, 000%
407(1)g	Elastomeric Bearing Pad, Duro 60 (550x300x50mm)	0,00	each	0,00	9, 1%	7.9%	0.0%	17.0%	0.00	0, 00	0.00	0.00	0.00	0.00	0. 000%
407(1)h	Elastomeric Bearing Pad, Duro 60 (500x400x60mm)	0, 00	each	- 0.00	9, 1%	7, 9%	0.0%	17.0%	0.00	0, 00	0.00	0, 00	0, 00	0.00	0. 000%
407 (2) a	Expansion Joint, Multiflex M80 (Elastoperic)	40.00	'n	2, 640, 000. 00	9. 1%	7.9%	0.0%	17.0%	448, 800, 00	308, 880, 00	757, 680. 00	3, 397, 680, 00	84, 942. 00	3, 397, 680, 00	0, 698%
407 (2) b	Expansion Joint, Multiflex M100 (Elastomeric)	0.00	ħ	0.00	9, 1%	7, 9%	0.0%	17, 09	0.00	0.00	0.00	0, 00	0, 00	0.00	0, 000%
407 (2) c	Expansion Joint, Multiflex M140 (Elastomeric)	0.00	m	0.00	9. 1%	7, 9%	0.0%	17.0)	0, 00	0, 00	0.00	0.00	0.00	0.00	0, 000%
407 (2) d	Expansion Joint, Multiflex NIGO (Clastomeric)	0.00	ħ	0, 00	9, 1%	7.9%	0.0%	17. 09	á a. 00	0.00	0, 00	0. 00	0.00	0, 00	0. 000%
407 (2) e	Expansion Joint, Multiflex M200 (Elastomeric)	0,00	n	0.00	9. 1%	7.9%	0,0%	17. 0)	g. 00	0, 00	0, 00	0, 00	0.00	0,00	0. 000%

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Item No.	Description	Quantity	Unit	Estimated Direct Cost (PP)	OCM	Profit	Mob/	×	Value (PP)	VAT (PP)	Total Indirect Cost (PP)	(PP)	(PP)	(PP)	Remarks
	Ø	3	(4)	6	6		Demob (8)	9	(0)	Ū.	(2)	<u>(1)</u>	<u>.</u>	6	
407 (2) f	Expansion Joint, Multiflex M330 (Elastomeric)	0,00	jā,	0.00	9.1%	7, 9%	0, 0%	17.0%	0, 00	0. 00	0.00	0.00	0.00	0.00	0, 000%
407(2)g	Expansion Joint, 30mmfor bridge	8,00	n.	1, 192, 00	9.1%	7.9%	0.0%	17.0%	202.64	139,46	342.10	1, 534, 10	192, 00	1, 536, 00	0.000%
<u>SPL 407 (3) a</u> SPL 407 (3) b	Restraining Bar ϕ 32 x 1495mm Restraining Bar ϕ 32 x 1900mm	0.00		0.00	<u>9.1%</u> 9.1%	7.9%	0.0%	17.0%	<u>0, 00</u> 0, 00	0.00	0.00	0,00	0.00	0,00	0,000%
SPL 407(3)c	Restraining Cable ¢65 x 4121mm (PC 7- T15.2)	0,00	each	0,00	9.1%	7.9%		17. 0%	0, 00	0.00	0.00	0.00	0,00	0.00	0, 000%
SPL 407 (3) d	Restraining Cable φ65 x 4224mm (PC 7- T15,2)	0, 00	each	0.00	9. 1%	7.9%	0,0%	17, 0%	0, 00	0, 00	0, 00	0.00	0. 00	0. 00	0, 000%
407 (4)	G.I. Drain Pipe ¢150mm for Bridge Drainage	11.00	<u>a</u>	9, 284. 00	9.1%	7.9%	0.0%	17.0%	L, 578. 28	1,086.23	2, 664. 51	LE, 948. 5L	1,086.00	11, 946, 00	0.002%
SPL 407(5)a	Pier Protection Concrete Blocks for Angat Bridge	0,00	Տո	0,00	9.1%	7.9%	0.0%	17, 0%	0.00	0.00	0,00	0.00	0, 00	0.00	0.000%
SPL 407(5)b	Pier Protection Concrete Blocks for Pampanga Bridge	0.00	л 2	0.00	9.1%	7.9%	0.0%	17.0%	0, 00	0.00	0.00	0.00	0,00	0.00	0.000%
SPL 407 (5) e	Pier Protection Concrete Blocks for Talayers Bridge	0,00	m2	0,00	9.1%	7.9%	0.0%	17.0%	0.00	0.00	0.00	0.00	0.00	0, 00	0, 000%
SPL 420(1)	Temporary Access Road Crossing Streams/Rivers	0.00	L, S,	0.00	9, 1%	7.9%	0.0%	17,0%	0.00	0, 00	0.00	0, 00	0, 00	0, 00	0, 000%
SPL 420(2)	Realignment of River/Stream	0.00	<u>L, S.</u>	0.00	9.1%	7.9%	0.0%	17.0%	0.00	0, 00	0,00	0.00	0.00	0.00	0. 000%
SPL 420(3)	False Works Required for Cantilever Construction for PC Box Girder (Angat River)	0, 00	L, S.	6.00	9. 1%	7, 9%	0,0%	17.0%	0.00	0. 00	0, 00	0, 00	0.00	0.00	0. 000%
SPL 420(4)a	Temporary Craneway for Angat Bridge Construction	0.00	n	0.00	9.1%	7.9%	0, 0%	17.0%	0, 00	0, 00	0.00	0.00	0.00	0.00	0, 000%
SPL 420(4)b	Temporary Craneway for Pampanga Bridge Construction	0. 00	n	0, 00	9, 1%	7.9%	0, 0%	17.0%	0. 00	0, 00	0, 00	0.00	0.00	0.00	0, 000%
SP1, 420 (4) c	Temporary Craneway for Talavera Bridge Construction	0, 00	M	0,00	9, 1%	7.9%	0.0%	17.0%	0. 00	0.00	0.00	0,00	0, 00	0.00	0. 000%
SPL 420(5)a	Temporary Access Road (Causeway) for Angat Bridge Construction	0, 00	n	0.00	9. 1%	7.9%	0.0%	17.0%	0, 00	0,00	0.00	0, 00	0. 00	0.00	0, 000%
SPL, 420(5)b	Temporary Access Road (Causeway) for Pampanga Bridge Construction	0,00	R	0, 00	9.1%	7.9%	0.0%	17, 0%	0.00	0,00	0,00	0.00	0.00	0,00	0, 000%
SPL 420(5)c	Temporary Access Road (Causeway) for Talavers Bridge Construction	0.00	m	0.00	9. 1%	7.9%	0.0%	17,0%	0.00	0, 00	0, 00	0.00	0.00	0. 00	0. 000%
SPL 420(6)a	Temporary Cofferdam for Pier Construction (Angat Bridge Type 1)	0.00	each	0,00	9, 1%	7.9%	0.0%	17.0%	0.00	0.00	0, 00	0.00	0.00	0. 00	0. 000%
SPL 420(6)b	Temporary Cofferdam for Pier Construction (Anget Bridge Type 2)	0,00	each	0,00	9. 1%	7.9%	0.0%	17.0%	0.00	0, 00	0.00	0.00	0.00	0, 00	0.000%
SPL 420(6)c	Temporary Cofferdam for Pier Construction (Pampanga Bridge)	0, 00	each	0.00	9. 1%	7.9%	0.0%	17.0%	0.00	0, 00	0.00	0.00	0.00	0.00	0, 000%
SPL 420(6)d	Temporary Cofferdam for Pier Construction (Talavera Bridge)	0, 00	each	0.00	9. 1%	7.9%	0.0%	17.0%	L	0.00	0.00	0.00	0.00	0.00	0, 000%
Part G	Subtotal Drainage and Slope Protection Structur	NERVISI SAL Re	<u>版 0-以</u>	35, 327, 709, 30	13 (A)				6,005,710,58	4, 133, 341, 98	10, 139, 052, 56	45, 466, 751, 86	<u> 1997 – La consta</u>	45, 464, 166, 00	9, 341%
500(1)s3	RCPC Standard Strength (25MPa), ϕ 460ma (18")	0, 00		0, 00	9.1%	7.9%	0.0%	17.0%	0.00	0, 00	0,00	0.00	0, 00	0.00	0. 000%
500(l)s4	RCPC Standard Strength (25MPa), ϕ 610mm (24")	0.00	<u>n</u>	0, 00	9, 1%	7.9%	0.0%	17.0%	0.00	0, 00	0,00	0.00	0, 00	0.00	0.000%
500(1)a5	RCPC Standard Strength (25MPa), \$\$\phi760mms (30*)	0, 00	m	0.00	9.1%	7, 9%	0.0%	17.0%	0, 00	0, 00	0.00	0, 00	0.00	0, 00	0, 000%
500(1)a6	RCPC Standard Strength (25MPa), Ø910mm (36")	0.00		0.00	9.1%	7.9%	0.0%	17.0%	0.00	0, 00	0.00	0.00	0.00	0. 00	0. 000%
500(l)s7	RCPC Standard Strength (25MPa), \$\$1070mm (42")	0.00	n I	0.00	9. 1%	7.9%	0.0%	17.0%	0.00	0, 00	0, 00	0,00	0,00	0.00	0, 000%
500(l)a8	RCPC Standard Strength (25MPa),	0.00	m	0,00	9.1%	7.9%	0.0%	17, 0%	0.00	0, 00	0.00	0,00	0.00	0, 00	0. 000%
500(1)a9	RCPC Standard Strength (25MPa), ¢1520mm (60")	0.00	m	0,00	9.15	7.9%	0.0%	17, 0%	0, 00	0.00	0.00	0, 00	0. 00	0, 00	0. 000%
500(1)63	RCPC Standard Strength (32MPa), \$\$460mm (18")	0.00	m	0, 00	9, 19	7.9%	0.0%	17, 0%	0.00	0.00	0.00	0.00	0,00	0.00	0, 000%
500(1)64	RCPC Standard Strength (32MPa), \$610mm (24")	Đ, DĐ	m	0, 00	9, 13	7.99	0.0%	17.0%	D, D0	0. DO	0. 00	0.00	0, 00	0.00	0.000%

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				Estimated Direct	Ma	arkups (_Te	otal Markup		Total Indirect	Total Cost	Unit Cost	Total Cost	
Item No.	Description	Quantity	Unit	Cost (PP)	OCM	Profit	Mob/ Demob	%	Value (PP)	VAT (PP)	Cost (PP)	(PP)	(PP)	(PP)	Remarks
		<u> </u>	4	6	8	Q	8	9	0	n –	(2)	<u>(1)</u>	<u>0</u>	(l)	
· 500(1)b5	RCPC Standard Strength (32MPa), ¢760mm (30″)	0.00	n	0,00	9, 1%	7.9%	0.0%	17.0%	0,00	0.00	0.00	0.00	0, 00	0.00	0, 000%
500(1)66	RCPC Standard Strength (32MPa), \$\$10mm (36")	0, 00	n	0. 00	9. 1%	7.9%	0, 0%	17.0%	0, 00	0, 00	0. 00	0.00	0.00	0.00	0. 000%
500(1)b7	RCPC Standard Strength (32MPa),	0. 00	. IP	0.00	9, 1%	7.9%	0.0%	17.0%	0, 00	0, 00	0.00	0.00	0.00	0, 00	0, 000%
500(l)b8	RCPC Standard Strength (32MPa), \$\phi 1220mm (48")	0, 00	th.	0.00	9, 1%	7.9%	0.0%	17, 0%	0.00	0.00	0. 00	0.00	0, 00	0.00	0.000%
500(1)59	RCPC Standard Strength (32MPa), \$\$\phi 1520mm (60")	0.00	pi	0.00	9.1%	7.9%	0.0%	t7.0%	0, 00	0.00	0, 00	0.00	0.00	0, 00	0. 000%
500(1)c3	RCPC Extra Strength (32MPa), φ460mm (18")	108.00	m	102, 816. 00	9.1%	7.9%	0.0%	17. 0%	17, 478, 72	12, 029, 47	29, 508, 19	132, 324. 19	1, 225. 00	132, 300. 00	0. 027%
500(1)¢4	RCPC Extra Strength (32MPa), ϕ 610mm (24")	0, 00	ħ	0,00	9.1%	7.9%	0.0%	17.0%	0,00	0.00	0.00	0, 00	0.00	0.00	0, 000%
500(1)c5	RCPC Extra Strength (32MPa), ¢760mm (30″)	0, 00	n	0, 00	9. 1%	7.9%	0.0%	17.0%	0,00	0.00	0.00	0.00	0.00	0.00	0. 000%
500(1)¢6	RCPC Extra Strength (32MPa), ϕ 910mm (36")	1, 359, 00	m	4, 294, 440. 00	9, 1%	7.9%	0.0%	ŧ7.0%	730, 054, 80	502, 449. 48	1, 232, 504. 28	5, 526, 944, 28	4,067,00	5, 527, 053. 90	1. 135%
500(1)c?	RCPC Extra Strength (32MPa), \$1970mm (42").	328.00	10	l, 498, 960. 00	9, 1%	7.9%	0.0%	17.0%	254, 823. 20	175, 378. 32	430, 201. 52	1, 929, 161, 52	5, 882. 00	1, 929, 296. 00	0, 396%
500(1)08	RCPC Extra Strength (32MPa), ¢1220mm (48")	534, 00	NL.	2, 670, 000, 00	9. 1%	7.9%	0.0%	17.0%	453, 900. 00	312, 390. 00	766, 290. 00	3, 436, 290, 00	6, 435, 00	3, 436, 290, 00	0. 706%
500(1)c9	RCPC Extra Strength (32MPa), φ1520mm (60")	0.00	п	0.00	9.1%	7.9%	0.0%	17, 0%	0.00	0.00	0, 00	0.00	0.00	0.00	0. 000%
502 (2) a l	Drop Inlet Manhole for RCPC 1∼φ460 x 1-φ460	9.00	each	55, 080. 00	9, 1%	7.9%	0.0%	17.0%	9, 363. 60	6, 444. 36	15, 807, 96	70, 887. 96	1, 876. 00	70, 884. 00	0, 015%
502 (2) a2	Drop Inlet Manhole for RCPC 1-\$610 x 1-\$460	0, 00	each	0.00	9. 1%	7.9%	0.0%	17.0%	0,00	0.00	0.00	0.00	0.00	0, 00	0. 000%
502 (2) a3	Drop Inlet Wanhole for RCPC 1-0760 x 1-0460	0.00	each	0, 00	9.1%	7.9%	0.0%	17,0%	0.00	0, 00	Ð, OO	0.00	0.00	0.00	0. 000%
502 (2) a4	Drop Inlet ∦anhole for RCPC 1-¢910 x 1-¢460	0, 00	each	0.00	9.1%	7.9%	0.0%	17.0%	0, 00	0,00	0.00	0.00	0, 00	0. 00	0. 000%
502(2)a5	Drop Inlet Manhols for RCPC 1-¢1070 x 1-¢460	0.00	each	0.00	9. 1%	7, 9%	0.0%	17.0%	0,00	0.00	0. 00	0.00	0.00	0, 00	0.000%
502 (2) a6	Drop Inlet Manhole for RCPC 1-\$1220 x 1-\$460	0, 00	each	0, 00	9.1%	7.9%	0.0%	17.0%	0, 00	0, 00	0.00	0.00	0.00	0.00	0.000%
502 (2) a7	Drop Inlet Manhole for RCPC 1-\$1520 x 1-\$460	0, 00	. each	0, 00	9. 1%	7.9%	0, 0%	17. 0%	0.00	0.00	Q, QQ	0.00	0.00	0,00	0, 000%
502(2)a12	Drop Inlet Manhole for RCPC 1-¢6t0 x 1-¢610	0, 00	each	0.00	9. 1%	7.9%	0.0%	17.0%	Q, 00	0.00	0.00	0.00	0.00	0.00	0.000%
502(2)a13	Drop Inlet Menhole for RCPC 1-φ760 x 1-φ610	0.00	esch	0.00	9, 1%	7.9%	0.0%	17.0%	0, 00	0.00	0, 00	0.00	0, 00	0.00	0.000%
502(2)a14	Drop Inlet Manhole for RCPC 1-ø910 x 1-ø610	0.00	each	0,00	9. 1%	7.9%	0.0%	17.0%	0.00	0.00	0.00	0.00	0.00	0,00	0.000%
502 (2) a 15	Drop Inlet Manhole for RCPC 1-\$1070 x 1-\$610	0.00	each	0.00	9.1%	7.9%	0.0%	17,0%	0.00	0.00	0, 00	0.00	0,00	0.00	0.000%
502(2)a16	Drop Inlet Manhole for RCPC 1-\$1220 x 1-\$610	0.00	each	0.00	9. 1%	7.9%	0,0%	17.0%	0.00	0.00	0.00	0.00	0.00	0,00	0.000%
502.(2) a17	Drop Inlet Manhole for RCPC 1-\$1520 x 1-\$610	0, 00	each	0, 00	9, 1%	7.9%	0, 0%	17.0%	0.00	0.00	0,00	0, 00	0.00	0,00	0. 000%
502 (2) a22	Drop Inlet Manhole for RCPC 2-\$610 x 1-\$610	0, 00	each	0,00	9.1%	7.9%	0, 0%	17.0%	0.00	0. 00	0,00	0.00	0.00	0.00	0. 000%
502 (2) a23	Drop Inlet Manhole for RCPC 2-\$760 x 1-\$610	0.00	each	0.00	9, 1%	7.9%	0.0%	17, 0%	0.00	0, 00	0.00	0, 00	0, 00	0, 00	0. 000%
502 (2) a24	Drop Inlet Manhole for RCPC 2-\$910 x 1-\$610	0.00	each	0.00	9, 1%	7.9%	0.0%	17, 0%	0, 00	0.00	0.00	0, 60	0.00	0.00	0. 000%
502 (2) a25	Drop Inlet Wanhole for RCPC 2-¢1070 x 1-¢610	0.00	each	0.00	9. 1%	7.9%	0.0%	17, 0%	0, 00	0.00	0.00	0, 00	0, 00	0,00	0.0003
502 (2) a26	Drop Inlet Manhole for RCPC 2-¢1220 x 1-¢610	0.00	each	0, 00	9, 19	6 7.9%	0,0%	17.0%	0.00	0.00	0.00	0, 00	0, 00	0.00	0.000
502(2)a27	Drop Inlet Manhole for RCPC 2-\$1520 x	0, 00	each	0,00	9. 17	5 7.9%	0.0%	17,0%	0.00	0.00	0, 00	0, 00	0, 00	0, 00	0.000%

·		r		C. M. B. Bland	Ha	rkups ((%)	T	otal Markup		7 • • • • • • • • • • •	Total Cost	Unit Cost	Total Cost	
. Item No,	Description	Quantity	Unit	Estimated Direct Cost (PP)		Profit	Mob/ Demob	%	Value (PP)	VAT (PP)	Total Indirect Cost (PP)	(PP)	(PP)	(PP)	Remarks
0	@	0	۲	6	6	(7)	<u>8</u>	(9)	(Q	(I)	(2)	(3	ß	<u>(6)</u>	
502(2)bi	Special Junction Box Manhole for RCPC 1-0460 x 1-0460	0.00	esch	0.00	9. เ%	7.9%	0.0%	17.0%	0.00	0,00	0.00	0, 00	0.00	0. 00	0.000%
502(2)b2	Special Junction Box Manhole for RCPC 1-\$610 x 1-\$460	0.00	each	0, 00	9. 1%	7,9%	0,0%	17, 0%	0.00	D, 00	0.00	0.00	0.00	0, 00	0.000%
502 (2) b3	Special Junction Box Manhole for RCPC 1-6760 x 1-6460	0,00	each	0.00	9.1%	7.9%	0.0%	17, 0%	0.00	0, 00	0, 00	0, 00	0, 00	0, 00	0. 000%
502 (2) Ь4	Special Junction Box Manhole for RCPC 1-0910 x 1-0460	0, 00	each	0. 00	9.1%	7.9%	0.0%	17.0%	0, 00	0.00	0, 00	0, 00	0.00	0, 00	0, 000%
502 (2) b5	Special Junction Box Manhols for RCPC 1-01070 x 1-0460	0.00	each	0, 00	9, 1%	7.9%	0.0%	17, 0%	0.00	0.00	0.00	0, 00	0.00	0. 00	0,`000%
502(2)b6	Special Junction Box Manhole for RCPC $1-\phi$ (220 x $1-\phi$ 460	0, 00	each	0, 00	9.1%	7, 9%	0.0%	17, 0%	0. 00	0, 00	0, 00	0.00	0, 00	0, 00	0. 000%
502 (2) b7	Special Junction Box Manhole for RCPC 1-01520 x 1-0460	0, 00	each	0.00	9.1%	7.9%	0.0%	17.0%	0.00	0. 00	0.00	0.00	0, 00	0.00	0. 000%
502(2)bt2	Special Junction Box Manhole for RCPC 1-\$610 x 1-\$610	0, 00	each	0.00	9.1%	7. 9%	0.0%	17, 0%	0.00	0.00	0, 00	0.00	0, 00	0, 00	0. 000%
502(2)613	Special Junction Box Manhole for RCPC $1-\phi 760 \ge 1-\phi 610$	0, 00	each	0. 00	9. 1%	7.9%	0, 0%	17.0%	0. 00	0.00	0.00	0.00	0.00	0.00	0.000%
502(2)614	Special Junction Box Manhole for RCPC 1-\$910_x 1-\$610	0.00	each	0, 00	9, 1%	7.9%	0.0%	17.0%	0.00	0.00	0,00	0,00	0.00	0, 00	0. 000%
502(2)b15	Special Junction Box Manhole for RCPC 1-01070 x 1-0610	0, 00	each	0, 00	9, 1%	7, 9%	0. 0%	17,0%	0. 00	0, 00	0.00	0,00	0.00	0. 00	0, 000%
502 (2) b16	Special Junction Box Manhole for RCPC 11-\$1220 x 1-\$610	0, 00	each	0,00	9. 1%	7. 9%	0.0%	17.0%	0.00	0,00	0.00	0.00	0, 00	0. 00	0, 000%
502(2)617	Special Junction Box Manhole for RCPC 1-61520_x 1-6610	0.00	each	0.00	9, 1%	7,9%	0.0%	17,0%	0.00	0,00	0.00	0.00	0.00	0.00	0, 000%
502 (2) b21	Special Junction Box Manhole for RCPC 2-\$\phi460 x 1-\$\phi460	0,00	each	0, 00	9. 1%	7.9%	0.0%	17, 0%	0, 00	0.00	0.00	0, 00	0.00	0, 00	0.000%
502 (2) b22	Special Junction Box Manhole for RCPC 2-\$\$610 x 1-\$\$460	0,00	each	0, 00	9, 1%	7, 9%	0.0%	17.0%	0.00	0, 00	0. 00	0.00	0.00	0, 00	0, 000%
502 (2) 523	Special Junction Box Manhole for RCPC 2-\$\$760 x 1-\$\$460	0.00	each	0, 00	9, 1%	7, 9%	0,0%	17.0%	0, 00	0, 00	0.00	0, 00	0.00	0, 00	0, 000%
502 (2) b24	Special Junction Box Nanhole for RCPC 2-\$910 x 1-\$460	0,00	each	0, 00	9. 1%	7.9%	0.0%	17, 0%	0.00	0,00	0.00	0.00	0.00	0.00	0.000%
502 (2) b2S	Special Junction Box Manhole for RCPC 2-01070 x 1-0460	0, 00	each	0.00	9, 1%	7.9%	0.0%	17.0%	0. 00	0, 00	0.00	0, 00	0, 00	0. 00	0, 000%
502 (2) b26	Special Junction Box Manhole for RCPC 2-\$1220 x 1-\$460	0.00	each	0.00	9, 1%	7.9%	0.0%	17, 0%	0.00	0.00	0.00	0,00	0.00	0.00	0.000%
502 (2) 627	Special Junction Box Manhole for RCPC 2-01520 x 1-0460	0, 00	each	0.00	9. 1%	7, 9%	0.0%	17, 0%	0.00	0.00	0.00	0.00	0.00	0, 00	0, 000%
502 (2) b32	Special Junction Box Manhole for RCPC 2-φ610_x 1-φ610	0.00	each	0,00	9.1%	7, 9%	0.0%	17.0%	0.00	0, 00	0. 00	0,00	0.00	0, 00	0.000%
502 (2) 633	Special Junction Box Manhole for RCPC 2-\$\phi760_x_1-\$\phi610	0.00	each	0.00	9.1%	7.9%	0.0%	17, 0%	0. 00	0, 00	0, 00	0. 00	0, 00	0.00	0.000%
502 (2) b34	Special Junction Box Manhole for RCPC 2-\$910_x 1-\$610	0.00	each	0.00	9. 1%	7.9%	0.0%	17, 0%	0.00	0. 00	0, 00	0.00	0, 00	0. 00	0.000%
502 (2) 635	Special Junction Box Nanhole for RCPC 2-\$1070 x 1-\$610	0.00	each	0.00	9, 1%	7.9%	0.0%	17.0%	0,00	0.00	0.00	0.00	0.00	0.00	0.000%
502 (2) b36	Special Junction Box Manhole for RCPC 2-01220 x 1-0610	0, 00	each	0,00	9. 1%	7.9%	0,0%	17.0%	0, 00	0, 00	0.00	0.00	0.00	0, 00	0.000%
502 (2) b37	Special Junction Box Manhole for RCPC 2-\$1520 x 1-\$610	0,00	each	0.00	9, I%	. 7.9%	0.0%	17.0%	0.00	0,00	0.00	0.00	0.00	0.00	0.000%
502 (2) c t	Junction Box Converted to Curb Inlet Manhole for RCPC 1-\$460 x 1-\$460	0,00	each	0.00	9.1%	7, 9%	0,0%	17, 0%	0. 00	0, 00	0, 00	0.00	0.00	0, 00	0, 000%
502 (2) c2	Junction Box Converted to Curb Inlet Manhole for RCPC 1-\$610 x 1-\$460	0.00	each	0.00	9. (%	7.9%	0.0%	17.0%	0.00	0,00	0, 00	0.00	0, 00	0. 00	0. 000%
502 (2) c3	Junction Box Converted to Curb Inlet Manhole for RCPC 1-\$760_x_1-\$460	0.00	esch	0, 00	9. 1%	7.9%	0.0%	17.0%	0, 00	0.00	0.00	0.00	0, 00	0.00	0.000%
502 (2) c4	Junction Box Converted to Curb Inlet Manhole for RCPC 1-6910 x 1-6460	0.00	each	0,00	9. 1%	7.9%	0.0%	17.0%	0.00	0.00	Q, 00	0, 00	0, 00	0.00	0. 000%
502 (2) c5	Junction Box Converted to Curb Inlet Manhole for RCPC 1-\$1070 x 1-\$460	0,00	each	0.00	9. 1%	7.9%	0.0%	17.0%	0, 00	0.00	0, 00	0, 00	0, 00	0.00	0. 000%

COST CT-IN01/Summary

				Estimated Direct	Ma	arkups (%) ·	<u>-</u> To	otal Markup		Total Indirect	Total Cost	Unit Cost	Total Cost	
Item No.	Description	Quantity	Unit	Cost (PP)	OCM	Profit	Mob/ Demob	%	Value (PP)	VAT (PP)	Cost (PP)	(PP)	(PP)	(PP)	Remarks
0		(3)	4	5	6	0		9	(Q		(12	0	(i)	(1)	
502(2)c6	Junction Box Converted to Curb Inlet Manhole for RCPC 1-01220 x 1-0450	0.00	each	0, 00	9, 1%	7.9%	0. 0%	17.0%	0.00	0, 00	0. 00	0. 00	0.00	0, 00	0. 000%
502(2)c7	Junction Box Converted to Curb Inlet	0.00	each	0.00	9, 1%	7.9%	0.0%	17.0%	0, 00	0. 00	0.00	0, 00	0.00	0, 00	0, 000%
502(2)c12	<u>Manhole for RCPC 1-¢1520 x 1-¢460</u> Junction Box Converted to Curb Inlet	0, 00	each	0, 00	9, 1%	7.9%	0.0%	17.0%	0, 00	D, 00	0,00	0.00	0.00	0.00	0, 000%
502 (2) c13	Manhale for RCPC 1-0610 x 1-0610 Junction Box Converted to Curb Inlet	0,00	each	0,00	9, 1%	├ ─	0.0%	17.0%	0,00	0, 00	0,00	0,00	0, 00	0.00	0, 000%
	Manhole for RCPC 1-\$\$760 x 1-\$610 Junction Box Converted to Curb Inlet					├									
502(2)c14	Manhole for RCPC 1-\$910 x 1-\$610 Junction Box Converted to Curb Inlet	0,00		0,00	9.1%	<u> </u>	0.0%	17, 0%	0, 00	0.00	0, 00	0.00	0,00	0.00	0.000%
502(2)c15	Manhole for RCPC 1- # 1070 x 1- # 610	0, 00	each	0.00	9, 1%	7.9%	0.0%	17.0%	0, 00	0.00	0.00	0,00	0.00	0.00	0. 000%
502(2)c16	Junction Box Converted to Curb Inlet Manhole for RCPC 1-01220 x 1-0610	0, 00	each	0.00	9, 1%	7.9%	0.0%	17,0%	0, 00	0, 00	0,00	0,00	0.00	0.00	0.000%
502(2)c17	Junction Box Converted to Curb Inlet Manhole for RCPC 1-01520 x 1-0610	0.00	oach	0.00	9, 1%	7.9%	0.0%	17. 0%	0.00	0.00	0.00	0, 00	0.00	0.00	0, 000%
502(2)c21	Junction Box Converted to Curb Inlet Manhole <u>for RCPC 2-0460 x 1-0460</u>	0.00	each	0. 00	9. 1%	7.9%	0.0%	17.0%	0, 00	0. 00	0.00	0, 00	0.00	0.00	0. 000%
502 (2) c22	Junction Box Converted to Curb Inlet Manhole for RCPC 2-0610 x 1-0460	0.00	each	0.00	9, 1%	7.9%	0.0%	17.0%	0, 00	0.00	0.00	0.00	0.00	0.00	0, 000%
502(2)c23	Junction Box Converted to Curb Inlet Wanhole for RCPC 2-\$760 x 1-\$460	0.00	each	0.00	9. 1%	7.9%	0.0%	17.0%	0, 00	0,00	0.00	Ð. 00	0. 00	Ð, DO	0, 000%
502 (2) c24	Junction Box Converted to Curb Inlet	0, 00	each	0, 00	9. 1%	7.9%	0.0%	17.0%	0,00	0.00	0, 00	0, 00	0.00	0.00	0, 000%
502 (2) c25	Manhole for RCPC 2- 0910 x 1-0460 Junction Box Converted to Curb Inlet	0,00	each	0.00	9, 1%	7.9%	0.0%	17.0%	0, 00	0, 00	0.00	0.00	0, 00	0.00	0, 000%
502 (2) c26	Manhole for RCPC 2-\$1070 x 1-\$460 Junction Box Converted to Curb Inlet	0.00		0.00	9.1%	<u> </u>	0.0%	17.0%	0,00	0.00	0.00	0, 00	0.00	0.08	0.000%
502 (2) c27	Manhole for RCPC 2-01220 x 1-0460 Junction Box Converted to Curb Inlet	0,00		0,00	9, 1%	<u> </u>	0.0%	17.0%	0,00	0.00	0,00	0.00	0.00	0, 00	0.000%
	Manhole for RCPC 2-01520 x 1-0460 Junction Box Converted to Curb Inlet		each			<u> </u>		,·				·			······
502 (2) c32	Manhole for RCPC 2-\$610 x 1-\$610 Junction Box Converted to Curb Inlet	0, 00	each	0, 00	9.1%		0,0%	17, 0%	0, 00	· · · · ·	0,00	0,00	0.00	0.00	0. 000%
502 (2) c33	Manhole for RCPC 2- \$760 x 1- \$610	0.00	each	0.00	9.1%	7.9%	0.0%	17.0%	0,00	0.00	0,00	0.00	0.00	0.00	0.000%
502(2)c34	Junction Box Converted to Curb Inlet Manhole for RCPC 2-\$910 x 1-\$610	0.00	each	0,00	9.1%	7.9%	0.0%	17.0%	0, 00	0.00	0.00	0.00	0.00	0, 00	0. 000%
502 (2) c35	Junction Box Converted to Curb Inlet Nanhole for RCPC 2-01070 x 1-0610	0.00	each	0, 00	9, 1%	7.9%	0.0%	17.0%	0.00	0.00	0, 00	0.00	0.00	0.00	0, 000%
502 (2) c36	Junction Box Converted to Curb Inlet Manhole for RCPC 2-01220 x 1-0610	0.00	each	0.00	9.1%	7.9%	0.0%	17.0%	0.00	0, 00	0.00	0.00	0, 00	0.00	0.000%
502(2)c37	Junction Box Converted to Curb Inlet Wanhole for RCPC 2-\$\$1520 x 1-\$610	0, 00	each	0, 00	9. 1%	7.9%	0.0%	17.0%	0, 00	0.00	0.00	0.00	0.00	0.00	0. 000%
502(3)a1 502(3)a2	Catch Basin for RCPC 1- # 460mm	0,00		0,00	9, 1%		0.0%	17.0%	0.00		0.00	0.00	0.00	0,00	0.000%
502(3)a2	Catch Basin for RCPC 1- \$610mm Catch Basin for RCPC 1- \$760mm	0.00		0,00	9,1%		0.0%	17.0%	0.00		0.00	0.00	0.00	0.00	0,000%
502 (3) a4	Catch Basin for RCPC 1- \$910mm	0.00	esch	0.00	9,1%	7,9%	0.0%	17.0%	0.00	0.00	0.00	0.00	0.00	0.00	0, 000%
502 (3) a5	Catch Basin for RCPC 1- # 1070mm	0.00		0,00	9.1%		0.0%	17.0%			0.00	0,00	0.00	0.00	0.000%
502(3)a6 502(3)a7	Catch Basin for RCPC 1- ¢ 1220mma Catch Basin for RCPC 1- ¢ 1520mma	0,00		0,00	9.1%		0.0%	17.0%			0.00	0.00	0.00	0.00	0,000%
502(3)b1	Catch Basin for RCPC 2- ϕ 460mm	0.00		0,00	9,1%		0.0%	17.0%				0.00	0.00	0,00	0.000%
502(3)62	Catch Basin for RCPC 2- 6610mm	0.00		0.00								0.00	0.00	0.00	0.000%
502(3)b3	Catch Basin for RCPC 2- ¢ 760mm	0.00	_	0.00				17.0%				0.00	0.00	0.00	0.000%
502(3)b4	Catch Basin for RCPC 2-0910mm	0.00		0.00				17.0%				0.00	0,00	0,00	0.000%
502 (3) b5	Catch Basin for RCPC 2- \$ 1070mm	0.00	each	0.00				17.0%	0.00			0.00	0,00	0.00	0, 000%
502(3)b6	Catch Basin for RCPC 2~ ¢1220mm	0,00		0.00	9.1%		0.0%	17.0%				0.00	0,00	0.00	0, 000%
502(3)b7	Catch Basin for RCPC 2- ¢ 1520mm	0.00		0.00	9, 1%			17.0%				0.00	0.00	0,00	0, 000%
502(4)al	U-shaped Concrete Ditch ₩=0,50m x H=0.50m	660, 00	n	897, 600, 00	9.1%	1	1	17.0%	1		257, 611, 20	1, 155, 211. 20	1, 750. 00	1, 155, 000. 00	0, 237%
502(4)a2	U-shaped Concrete Ditch W=0.75m x H=0.50m	0.00		0.00	9.1%	6 7.99	0.0%	17, 0%	0.00	0.00	0.00	0.00	0, 00	0, 00	0. 000%
502 (4) a3	U-shaped Concrete Ditch W=0.30m x	0, 00		0.00	9. 1%	6 7.99	0.0%	17.0%	0.00	0.00	0.00	0.00	0.00	0.00	0,000%
L	H=0. 30m	L	L	I	L,	L	L	L	L	L		·····	L	L	

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	r		r	Estimated Direct		arkups (<u>%)</u>	Ťc	otal Markup		Total Indirect	Tota] Cost	Unit Cost	Total Cost	
ltem No.	Description	Quantity	Unit	Cost (PP)	OC#	Profit	Mob/ Demob	%	Value (PP)	уат (рр)	Cost (PP)	(PP)	(PP)	(PP)	Remarks
0	0	3	(4)	(5)	6	\widehat{O}	8	9		<u> (i)</u>	(2)	()	0	(b	
502 (4) b i	U-shaped Concrete Ditch with Grating Cover, W=0.30m x H=0.30m	0, 00	п	0,00	9.1%	7.9%	0.0%	17,0%	0.00	0, 00	0, 00	0. 00	0.00	0, 00	0.000%
502 (4) b2	U-shaped Concrete Ditch with Grating Cover, W=0.50m x H=0.50m	0. 00	m	0, 00	9.1%	7.9%	0.0%	17.0%	· · _ · · ·	0.00	「」	0.00		0, 00	0.000%
502 (6) a	V-shaped Lined Ditch H=500mm, 1:1.50	0.00		0,00	<u> </u>	7.9%	0, 0%	17, 0%	0,00	0,00		0.00	0.00	0,00	0.000%
502(6)b	V-shaped Lined Ditch H=500mm, 1:1.00 Trapezoidal Lined Ditch B=450mm,	0.00		0,00	<u>9.1%</u>	7.9%	0,0%	17.0%	0, 00	0.00		0.00	0,00	0,00	0.000%
502(7)a	H=500mm, 1:1.00 Trapezoidal Lined Ditch B=1000mm,	1, 772. 00	in	469, 580. 00	9.1%	7.9%		17.0%	79, 828, 60	54, 940. 86		604, 349, 46	341.00	604, 252, 00	0. 124%
502(7)b	II=500mm, 1:1,00 Cleaning Culvert in Place, ¢910mm or	0.00		0.00	9.1%	7.9%	0, 0%	17, 0%	0.00	0,00		-0, 00	0.00	0.00	0, 000%
503 (3) a	less	0, 00	TI.	0.00	9, 1%	7, 9%	0.0%	17.0%	0.00	0.00	0,00	0,00	0.00	0.00	0. 000%
503(3)b	Cleaning Culvert in Place, more than \$\phi 910mms\$	0.00	m	0,00	9.1%	7.9%	0,0%	17, 0%	0.00	0.00	0.00	0, 00	0,00	0,00	0, 000%
503(4)a	Cleaning Reconditioning of RCBC, Single Barrel	0.00	n	0.00	9.1%	7.9%	0.0%	17, 0%	0.00	0.00	0.00	0.00	0.00	0,00	0, 000%
503 (4) b	Cleaning Reconditioning of RCBC, Double Barrel	0, 00	n	0,00	9, 1%	7.9%	0.0%	17.0%	0, 00	0.00	0,00	0.00	0.00	0, 00	0. 000%
503 (4) c	Cleaning Reconditioning of RCBC, Triple Barrel	0.00	<u>n</u>	0.00	9, 1%	7.9%	0, 0%	17.0%	0.00	0,00	0.00	0.00	0.00	0.00	0. 000%
504 (5)	Grouted Riprap Class A (slope protection)	4, 270. 00		3, 492, 860. 00	9.1%			17.0%		408, 664. 62		4, 495, 310. 82	1, 053. 00	4, 496, 310, 00	0.924%
505(1)	Stone Masonry Retaining Wall	0.00	<u>m</u> 3	0.00	9, 1%	7.9%	0.0%	17.0%	0,00	0.00	0,00	0.00	0.00	0,00	0.000%
506(1)	Hand-Laid Rock Apron (Loose Boulder Apron)	121.00	m3	56, 749. 00	9.1%	7.9%	0,0%	17.0%	9,647,33	6, 639, 63	16, 286. 96	73, 035. 96	604.00	73, 084, 00	0.015%
507 (2) a	Steel Sheet Piles (76x457x4mm), furnished & driven	0,00	m	0.00	9, 1%	7.9%	0.0%	17, 0%	0.00	0.00	0, 00	0,00	0, 00	0, 00	0, 000%
507 (2) b	Steel Sheet Piles (400x85x5mm), furnished & driven	819.00	<u></u>	1, 105, 650. 00	9, 1%	7.9%	0.0%	17.0%	187, 960, 50	129, 361. 05		1, 422, 971. 55	1, 737. 00	1, 422, 603, 00	0. 292%
509(1) 509(2)	Gabions	352,00		647, 680, 00	9.1%		0.0%	17.0%	110, 105, 60	75, 778, 56		833, 564, 16 0, 00	2, 368. 00	833, 536, 00 0, 00	0.171%
509(2)	<u>Gabion Mattress t=300mm</u> Filter Cloth	0.00		0,00	9.1%			17.0%		0,00		0,00	0,00	0,00	0.000%
510(1)	Rubble Concrete Slope Protection	108.00		146, 880, 00	9.1%			17.0%	24, 969, 60	17. 184. 96		189,034.56	1, 750, 00	189,000,00	0.039%
a	Subtotal			15, 438, 295, 00					2, 624, 510, 15	1, 806, 280, 51		19, 869, 085, 66		19, 869, 608, 00	4,082%
Part H	Miscellaneous Structures														
600(1)a	Concrete Curb, Type A (200x450mm)	0.00		0.00	9.1%				0,00	0.00		0.00	0,00	0,00	0.000%
<u>600 (1) b</u>	Concrete Curb, Type B (175x318mm)	0.00	m	0.00	9.1%		0.0%	17.0%	0.00	0.00	0.00	0.00	0,00	0.00	0.000%
600 (3) a	Combination Concrete Curb & Gutter/Side Strip, Type A (675x364mm)	2, 086. 00		863, 604. 00	9.1%			17, 0%	146, 812. 68	101,041.67	247, 854. 35	t, 111, 458. 35	533.00	1, 111, 838. 00	0. 228%
600 (3) b	Combination Concrete Curb & Gutter/Side Strip, Type B (675x334mm)	0.00	n	.0. 00	9.1%	7.9%	0.0%	17, 0%	0.00	0.00	0,00	0.00	0, 00	0, 00	0, 000%
600(3) c 601(1)	Combination Concrete Curb & Gutter, Type C (475x334mm)	0.00		0.00	9. 1% 9. 1%			17.0%	0.00	9,00 0,00		0,00	0.00 0.00	0.00	0.000%
602(1)	PCC Pavement for Sidewalk (t=100mma) Right-of-Way Monuments	0.00		182, 688, 00	9, 17		0.0%			21, 374, 50		235, 119, 46	453.00	235, 107.00	0.000%
602(2)	Maintenance Warker Posts for Drainage Structure	132.00		108, 636, 00	9.1%	7.9%	0.0%	17.0%		12, 710, 41		139, 814, 53	453, 00 1, 059, 00	139, 788, 00	0.029%
602(3)	Kilometer Post	9,00	each	11,070,00	9, 1%	7.9%	0.0%	17.0%	1,881,90	1, 295, 19	3, 177, 09	14, 247, 09	1, 583, 00	14, 247, 00	0.003%
603 (3) a	Metal Guardrails (Metal Beam) Type A (Embedded in Soil)	2, 267. 00	1	2, 251, 131. 00	9.1%		· · · · · · · · · · · · · · · · · · ·	17,0%		263, 382. 33				2, 897, 226, 00	0. 595%
603 (3) b	Metal Guardrails (Metal Beam) Type B (Embedded in Concrete)	0, 00	m	0, 00	9. 1%	7.9%	0.0%	17.0%	0,00	0, 00	Q, 00	0, 00	0.00	0.00	0. 000%
<u>604(1)</u> 604(2)	Fencing (Barbed Wire) Fencing (Chain Link Fence Fabric)	0,00		0.00	9, 1%			17.0%	0,00	0.00				<u>0,00</u> 0,00	0,000%
604 (3)	Fencing (Chain Link Fence Fabric on Bridge Railing)	0,00		0.00	9. 1%		1	17.0%		0.00		0.00		0.00	0,000%
605(1)a	Warning Signs (Triangular 900mm)	25.00	each	174,000.00	9.1%	7.9%	0.0%	17.0%	29, 580, 00	20, 358, 00	49, 938, 00	223, 938, 00	8, 958, 00	223, 950. 00	0.046%
605(1)b	Warning Signs (Circular \$900mm)	0.00		0,00	9.1%	7.9%		17.0%	0,00					0.00	0,000%
<u>605 (2) a</u>	Regulatory Signs (Triangular 1039mm)	1.00		8, 620, 00				17.0%		1, 008, 54				L1, 094. 00	0.002%
605 (2) b	Regulatory Signs (Octagonal 600mm)	4.00		24,680.00				17.0%						31, 764, 00	0.007%
605 (2) c	Regulatory Signs (Circular _ \$600mm) Regulatory Signs (Rectangular	11.00		65, 560, 00	<u>9, 1</u> %	· · · · ·	0.0%	17.0%		7, 670. 52	18, 815. 72			84, 381.00	0, 017%
605 (2) d	450mmx750mm)	7,00	each	47, 390, 00	9, 1%	7.9%	0.0%	17.0%	8, 056, 30	5, 544, 63	13, 600, 93	60, 990, 93	8, 713, 00	60, 991. 00	0. 013%

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				Estimated Direct	Ma	rkups		Te	otal Markup		Total Indirect	Total Cost	Unit Cost	Total Cost	
lten No.	. Description	Quantity	Unit	Cost (PP)	OCM	Profit	Nob/ Demob	16	Value (PP)	VAT (PP)	Cost (PP)	(P P)	(PP)	(PP)	Remarks
0	Q	3	•	5	6	Ø	8	9		0		0	- 44	<u>l</u> j	
605(3)a	Informatory Signs (Rectangular 0.75mx1,00m, single post)	0, 00	each	0.00	9, 1%	7.9%	0.0%	17.0%	0.00	0.00	D. 00	0.'00	0.00	0.00	0. 000%
	Informatory Signs (Type A, double post)	0.00	each	0, 00	9.1%	7, 9%	0.0%	17.0%		0.00	0, 00	0, 00	0.00	0,00	0,000%
	Informatory Signs (Type 8, double post) Informatory Signs (Type C, double post)	4,00	each each	196, 800, 00 237, 600, 00	<u> </u>	<u>7.9%</u> 7.9%	0.0%	17.0%		23, 025, 60 27, 799, 20	<u>56, 481, 60</u> 68, 191, 20	253, 281, 60 305, 791, 20	<u>63, 320, 00</u> 101, 930, 00	253, 280, 00 305, 790, 00	0.052%
	Informatory Signs (Type C, double post) Informatory Signs (Type D, <u>double post</u>)	0,00	each	0,00	9.1%	7,9%	0.0%	17.0%		27, 795, 20	0, 00	0.00	0,00	0,00	0.000%
605 (3) f	Informatory Signs (Type E, triple post)	0.00	each	0,00	9.1%	7.9%	0,0%	17.0%	0, 00	0.00	0, <u>00</u>	0.00	0.00	0,00	0.000%
	Informatory Signs (Type F, triple post)	0.00	each	0.00	9.1%	7.9%	0.0%	17.0%	0.00	0,00	0,00	0.00	0.00	0.00	0.000%
	Informatory Signs (Type G, triple post) Special Signs (750x600mm)	0.00	each each	0,00	<u>9.1%</u> 9.1%	7.9%		17.0%	0.00	0,00	0,00	0.00	0.00	0.00	0, 000%
	Special Signs (600x880mm)	0.00	each	0,00	9.1%	7.9%		17.0%		0.00	0,00	0.00	0.00	0,00	0,000%
605(4)c	Special Signs (900x550mm)	0.00	each	0,00	9.1%	7.9%		17.0%	0.00	0,00	0,00	0,00	0, 00	0,00	0.000%
	Special Signs (850x750mm) Reflectorized Pavement Studs (Raised	0.00	each	0.00	9, 1%	7.9%	0.0%	17.0%	0.00	0.00	0.00	0,00	0.00	0,00	0. 000%
607 (2) a	Profile Type, one face reflective) Reflectorized Pavement Stude (Raised	0,00	each	0,00	9.1%	7.9%		17.0%		0.00	0.00	0.00	0.00	0,00	0.000%
607 (2) b	Profile Type, two faces reflective)	0, 00	each	0,00	9.1%	7,9%	E.	17.0%		0.00	0,00	0,00	0, 00	0,00	0.000%
	Chatter Bars (one side reflective)	0,00	each	0.00	9.1%	7,9%	0.0%	17.0%	0.00	0.00	<u>0,</u> 00	0.00	0,00	0,00	0.000%
608(1)	Furnishing and Placing Top Soil for Plantation	21, 796, 00	m3	6, 625, 984, 00	9.1%	7.9%		17.0%		775, 240, 13	1, 901, 657, 41	8, 527, 641. 41	391.00	B, 522, 236. 00	1. 752%
<u>610(1)</u>	Sodding	113,031.00	m2	6, 216, 705, 00	9.1%	7.9%	0.0%	17.0%	1, 056, 839, 85	727, 354. 49	1, 784, 194, 34	8,000,899,34	70.80	8,002,594.80	1. 644%
611(1)a	Trees (Furnishing and Transplanting) Low Tree H≤1.5m	0.00	each	0, 00	9.1%	7.9%	0.0%	17.0%	0.00	0.00	0, 00	0, 00	0, 00	0.00	0, 000%
611(i)b	Trees (Furnishing and Transplanting) Wedium Tree 1.5m≤H≦3.0m Trees (Furnishing and Transplanting)	0.00	esch	0,00	9, 1%	7.9%	0.0%	17.0%	0.00	0.00	0,00	0.00	0.00	0,00	0. 000%
611(1)c	High Tree (young tree) 1.5m <his3.0m< td=""><td>902.00</td><td>each</td><td>992, 200. 00</td><td>9, 1%</td><td>7.9%</td><td>0.0%</td><td>17.0%</td><td></td><td>116, 087, 40</td><td>284, 761. 40</td><td>1, 276, 961, 40</td><td>1, 416. 00</td><td>1, 277, 232, 00</td><td>0. 262%</td></his3.0m<>	902.00	each	992, 200. 00	9, 1%	7.9%	0.0%	17.0%		116, 087, 40	284, 761. 40	1, 276, 961, 40	1, 416. 00	1, 277, 232, 00	0. 262%
<u>611(2)a</u>	Trees (Transplanting) Low Tree H≨1.5m	0.00	each	0.00	9. 1%	7, 9%	0.0%	17.0%	0.00	0,00	0.00	0,00	0, 00	0,00	0.000%
611 (2) b	Trees (Transplanting) Medium Tree 1.5m <h≦3.0m< td=""><td>0, 00</td><td>each</td><td>0.00</td><td>9.1%</td><td>7.9%</td><td>0.0%</td><td>17.0%</td><td>0.00</td><td>0.00</td><td>0, 00</td><td>0, 00</td><td>0,00</td><td>0, 00</td><td>0.000%</td></h≦3.0m<>	0, 00	each	0.00	9.1%	7.9%	0.0%	17.0%	0.00	0.00	0, 00	0, 00	0,00	0, 00	0.000%
611 (2) c	Trees (Transplanting) High Tree (young tree) 1.5m <h≦3.0m Planter Box of CHB (1.00m x 1.00m) for</h≦3.0m 	0,00	each	0.00	9, 1%	7.9%	0.0%	17.0%	0.00	0.00	0.00	0.00	0.00	0.00	0. 000%
611(3)a	Road Side Plantation Planter Box of CHB (3,00m x 1,00m) for	0.00	each	0, 00	9.1%	7.9%	 	17, 0%		0.00	0.00	0.00	0.00	0,00	0.000%
611(3)b	Road Side Plantation Planter Square Type A (1, 13mx1, 13m) for	0.00	each	0.00	9.1%	7.9%		17.0%		0.00	0.00	0,00	0.00	0, 00	0.000%
611(4)a	Road Side Plantation Planter Square Type B (0.65mx1.70m) for	0.00	each	0,00	9, 1%	7.9%		17.0%		0.00	0, 00	0, 00	0, 00	0, 00	0. 000%
611(4)b	Road Side Plantation Reflectorized Thermoplastic Pavement	0.00	each	0,00	9, 1%	7.9%	······	17.0%		0, 00	0,00	0.00	0.00	0, 00	0. 000%
612(1)a	Markings (White) Reflectorized Thermoplastic Pavement	3, 331. 00	m2	1, 505, 612, 00	9, 1%	7.9%	· · · · ·	17,0%	<u></u>	176, 156, 60	432, 110. 64	1, 937, 722. 64	582.00	1, 938, 642, 00	0. 398%
612(t)b	Markings (Yellow) Removal of Existing Thermoplastic	142, 00	m2	65, 888. 00	9, 1%	7.99	· · · · ·	17.0%		7, 708, 90	18, 909. 86	84, 797. 86	597.00	84, 774. 00	0.017%
SPL 612(2) 615(1)a	Pavement Markings Delineator (ground standing type)	0,00	m2 each	0,00	9. 1% 9. 1%	7.99		17,0%	1	0.00	0.00	0, 00	0.00	0.00	0. 000% 0. 000%
615(1)b	Delineator (attached on guardrail)	0.00	each	0,00		7,9		17.0%		0,00	0,00	0,00	0.00	0.00	0,000%
615(2)a	Curve Mirror 1-¢600	0.00	each	0,00		7.9		17.0%		0, 00		0, 00	0.00	0.00	0.000%
615(2)b 615(3)	<u>Curve Mirror 2-0600</u> Rustproof Concrete Paving (or Median	0.00	each s2	0,00		7.99 7.99		17.0%		<u>0,00</u> 0,00	0,00	0,00	0.00	0.00	0.000%
SPL 620(1)a	Traffic Signal Pole Type A (Mast Arm Post H=6,7m)	0.00	each	0.00	9.1%	7.99		17.0%		0,00	0.00	0,00	0.00	0,00	0.000%
SPL 620(1)b	Traffic Signal Pole Type A (Mast Arm Post H=6,0m)	4.00	each	169, 200. 00	9.1%	7. 99	6 0.0%	17,0%	28, 764. 00	19, 796. 40	48, 560, 40	217, 760. 40	54, 440. 00	217, 760. 00	0. 045%
SPL 620(1)e	Traffic Signal Pole Type B (\$114.3mm x 4.2m)	6, 00	cach	127, 800, 00	9.1%	7.99	6 0.0%	17.0%	21, 726. 00	14, 952. 60	36, 678, 60	164, 478, 60	27, 413, 00	164, 47B. 00	0. 034%
SPL 620(1)d	Traffic Signal Pole Type C (¢114.3mm x 3.4m)	9.00	each	197, 100. 00	9, 1%	7.99	6 0.0%	17.0%	33, 507. 00	23, 060, 70	56, 567. 70	253, 667. 70	28, 185. 00	253, 665. 00	0. 052%
SPL 620(1)e	Traffic Signal Pole Type D (¢114.3mm x (3.0m)	2, 00	each	38, 400. 00	9, 1%	7, 9	0.0%	17.0%	6, 528. 00	4, 492. 80	11, 020. 80	49, 420. 80	24, 710. 00	49, 420. 00	0. 010%
SPL 620(2)a	Traffic Signal Lamps Type A (6 vehicle lamps)	3. 00	each	582, 000, 00	9.1%	7.9	6 0.0%	17.0%	98, 940. 00	68, 094. 00	167, 034. 00	749, 034. 00	249, 678. 00	-749, 034. 00	0. 154%

COST CT-IN01/Summary

				Estimated Direct	Ma	irkups (\$)	Ti	otal Markup	-	Total Indirect	Total Cost	Unit Cost	Total Cost	
Item No.,	Description	Quantity	Unit	Cost (PP)	OCM	Profit	Mob/ Dexob	*	Value (PP)	VAT (PP)	Cost (PP)	(PP)	(PP)	(PP)	Remarks
0	<u>a</u>	(3)	4	6	6		(8)	9	6	00	0	(3		<u>(</u> j)	
SPL 620(2)b	Traffic Signal Lamps Type B (3 vehicle lamps)	20.00	each	2, 100, 000, 00	9.1%	7.9%	0. 0%	17.0%	357, 000, 00	245, 700, 00	602, 700. 00	2, 702, 700. 00	135, 135, 00	2, 702, 700. 00	0, 555%
	Traffic Signal Lamps Type C (2 pedestrian lamps)	10,00	each	506, 000. 00	9, 1%	7.9%	0.0%	17.0%	86, 020. 00	59, 202. 00	145, 222, 00	651, 222. 00	65, 122, 00	651, 220, 00	0, 134%
	Street Lighting Poles (single lamp)	L. 00	each	48, 200. 00		7.9%	0.0%		8, 194, 00	<u>5, 639, 40</u>		62, 033, 40	62, 033, 00	62, 033, 00	0.013%
	Street Lighting Poles (double lamp)	38, 00	each	2, 283, 800. 00			0.0%		388, 246, 00	267, 204. 60		2, 939, 250, 60	77, 349.00	2, 939, 262. 00	0, 604%
	Bridge Lighting Poles (single lamp)	0.00		0.00			0,0%		0.00	0.00		0.00		D. 00	0, 000%
SPL 620(4)d	Street Lighting Service Pole with Panel	2.00	each	98, 400. 00	9.1%	7.9%	0.0%	17.0%	16, 728, 00	11, 512, 80	28, 240, 80	126, 640, 80	63, 320, 00	126, 640. 00	0.026%
	Fluorescent Lighting for Underpass Culvert	0.00	each	0.00	9, 1%	7.9%	0, 0%	17.0%	0.00	0, 00	0,00	0.00	0, 00	0.00	0. 000%
SPL 020(5)a	Relocation of Street Lighting Poles (Single Lamp)	0.00	each	0.00	9.1%	7.9%	0. 0%	17.0%	0.00	0.00	0, 00	0.00	0, 00	0.00	0, 000%
SP), 020(5/0	Relocation of Street Lighting Poles (Dual Lamp)	0.00		0.00		7, 9%	0, 0%	17.0%	0.00	0.00		0, 00	0,00	0.00	0. 000%
SPL 620(6)	Toll Gate Facilities	0.00	<u>L. S.</u>	0,00		7.9%	0.0%	17.0%	0.00	0.00	0.00	0.00	<u>0, 00</u>	0.00	0, 000%
	Subtotal			26, 729, 068, 00					4, 373, 941. 56	3, 010, 300, 97	7, 384, 242, 53	33, 113, 310, 53		33, 111, 146, 80	6, 803%
	Mobilization and Demobilization					·									
SPL 800	Mobilization and Demobilization	1.00	L. S.	1, 170, 000, 00		7, 9%	0.0%	17.0%		136, 890, 00		1, 505, 790, 00		1,505,790.00	0.309%
<u>alaserise s</u>	Subtotal	27 C. 4. 1996	100	1, 170, 000, 00	<u>n (1997)</u>				198, 900, 00	136, 890, 00	336, 790. 00	1, 505, 790, 00	한 사고 소식 사람을 받을 때	1, 505, 790, 00	0. 309%
	Provisional Sum														
SPL 900(1)	Provisional Sum for Traffic Management during Construction	L. 00	L. S.	976, 000. 00	9, 1%	7, 9%	0, 0%	17,0%	165, 920. 00	114, 192. 00	280, 112, 00	1, 256, 112. 00	1, 256, 112, 00	1, 256, 112. 00	0. 258%
217, 900(2)	Provisional Sum for Relocation of Existing Utilities	1.00	L. S.	1, 150, 000, 00	9, 1%	7, 9%	0.0%	17.0%	195, 500. 00	134, 550. 00	330, 050, 00	1, 480, 050, 00	1, 480, 050, 00	1, 480, 050. 00	0. 304%
art, 900(a)	Provisional Sum for Geotechnical Investigation	1.00	L. S.	752, 000. 00	9. 1%	7, 9%	0.0%	17.0%	127, 840. 00	87, 984. 00	215, 824, 00	967, 824. 00	967, 824. 00	967, 824. 00	0. 199%
	Provisional Sum for Maintenance and Repair of Existing Access Road	1, 00	L. S,	413, 000. 00	9. 1%	7.9%	0.0%	17.0%	70, 210, 00	48, 321. 00	118, 531. 00	531, 531, 00	531, 531, 00	531, 531, 00	0. 109%
	Provisional Sum for Environmental Compliance Requirements	1.00	L, S,	922, 000. 00	9. 1%	7.9%	0.0%	17.0%	156, 740, 00	107, 874. 00	264, 614. 00	1, 186, 614. 00	1, 186, 614, 00	1, 186, 614. 00	0, 244%
SPL 900(6)	Provisional Sum for Health and Safety Requirements	1.00	L, S,	647, 000. 00	9. 1%	7.9%	0, 0%	17.0%	109, 990, 00	75, 699, 00	185, 689. 00	832, 689. 00	832, 689, 00	832, 689, 00	0. 171%
	Provisional Sum for Overseas Development Assistance (ODA)	1.00	L. S.	191, 000, 00	9. 1%	7, 9%	0.0%	17.0%	32, 470, 00	22, 347. 00	54, 817. 00	245, 817.00	245, 817, 00	245, 817, 00	0. 051%
	Provisional Sum for Contingency	1.00	L. S.	1, 900, 000, 00	9, 1%	7, 9%	0,0%	17.0%	323, 000, 00	222, 300, 00	545, 300, 00	2, 445, 300, 00	2, 445, 300, 00	2, 445, 300. 00	0, 502%
(그 1997년 1997년)	Subtotal	ACT FREE		6, 951, 000, 00					1, 181, 670, 00	813, 267, 00	1,994,937.00	8, 945, 937, 00		8, 945, 937, 00	1.838%
L															
	Total	Service States	학원 신경	378, 217, 532, 70				C. COLUM	64, 296, 980, 55	44, 251, 451, 35	108, 548, 431, 90	486, 765, 964, 60		486, 591, 389, 30,	100.000%

Prepared/Submitted By:

Recommending Approval:

Approved:

COST CT-IN01/Summary

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3. Summary of Direct Cost

ltem No.	Description	Unit	Quantity		Con	ponent	Unit Rai (%)	Le T	Total			Amou Component (PP)	int		Total	Remarks
ITGM NO.	Description	0011	Quantity	Lab.		Equip.		Local	(PP)	Labor	Material	Equipment	Foreign	Local	(PP)	Nella I Ka
Part A	Facilities for the Engineer															Γ
A(l)n	Provision of Combined Field Office/Laboratory Bldg, and Living Quarter	L. S.	1, 00	7.0%	76. 1%	16.9%	52, 6%	47.4%	2, 370, 000. 00	165, 170, 95	1, 803, 194. 60	401, 634. 15	1, 247, 670, 44	1, 122, 329. 56	2, 370, 000, 00	I
A(1)6	Maintenance of Field Office/Laboratory Bldg. and Living Quarter	manth	32.00	85.8%	14.0%	0.2%	6.3%	93. 7%	84, 000. UQ	2, 305, 535, 10	377, 436. 86	5, 028. 03	169, 222. 72	2, 518, 777. 28	2, 688, 000. 00	
A(1)c	Provision of Furniture and Fixtures for the Field Office/Laboratory and Living	I S.	1.00	0.1%	99. L%	0, 8%	33, 5%	66. 5%	549, 000, 00	815.35	543, 836, 14	4, 348, 51	183, 972, 49	365, 027. 51	549, 000. 00	ł
A(1)d	Quarter Provision of Equipment and Appliances for the Field Office/laboratory Bldg, and Living Quarter	L. S.	1, 00	0, 1%	99.1%	0. 8%	63, 7%	36, 3%	313, 000, 00	464. 85	310, 055, 94	2, 479. 21	199, 463, 99	113, 536. 01	313, 000. 00	,
λ(t)e	Provision of Office Supplies and Consumable	month	32, 00	0, 3%	98, 1%	1.6%	36. 0%	64.0%	16, 600. 00	1, 562, 35	521, 305, 10	8, 332. 55	191, 215, 32	339, 984. 68	531, 200, 00	l l
- Λ(L) f	Provide/Operate/Maintain Communication Equipment	month	32. 00	0.3%	99, 3%	0.4%	59.4%	40.6%	5, 220, 00	503, 60	165, 874. 85	661, 54	99, 288, 89	67, 751, 11	167, 040, 00	-
∧(2)a	Provision of vehicles (sedan) for the Engineer (Rental including operation & maintenance)	vehım	32,00	17.8%	8,0%	74.2%	68, 2%	31.8%	71, 500. 00	407, 211. 40	182, 896, 10	1, 697, 892 . 51	1, 559, 712. 48	728, 287, 52	2, 288, 000. 00	
<u>л(2)</u> Б	Provision of vehicles (wagon) for the Engineer (Rental including operation & maintenance)	veh∙m	64.00	14.7%	6.7%	78,6%	71.1%	28. 9%	86, 600, 00	814, 881. 82	370, 845. 24	4, 356, 672, 93	3, 938, 459, 50	1, 603, 940, 50	5, 542, 400, 00	
A(2)c	Provision of vehicles (pick-up) for the Engineer (Rental including operation & maintenance)	vehim	96, 00	25. 4%	11.2%	63.4%	61, 1%	38. 9%	50, 000, 00	1, 218, 792. 31	537, 112, 68	3, 014, 095. 02	2, 931, 613, 91	I, 868, 386. 09	4, 800, 000. 00	1
A(3)	Provision of Testing Equipment, Apparatus and Publications	L, S.	1,00	0.1%	99, 6%	0.3%	72.6%	27.4%	1, 040, 000, 00	77 6 . 12	1, 035, 601, 99	3, 621. 89	755, 242, 36	284, 757, 64	1, 040, 000, 00	
A (4)	Progress Photographs	each	2, 508. 00	3.4%	96, 1%	V. 5%	25, 2%	74.8%	117.00	10, 073, 17	281, 965, 51	1, 397, 31	73, 905, 87	219, 530. 13	293, 436, 00	1
Part C	Earthwork															
100(1)	Clearing and Grubbing Individual Removal of Trees, small	ha	33, 00	35.4%	5.4%			64.1%	38, 600, 00	450, 338, 09	68, 658, 51	754, 803, 40	453, 199, 80	820, 600, 20	L, 273, 800. 00	
100(3)	(t50muna ≦ φ < 900mm)	each	158, 00	92, 6%	0.7%	6, 7%	4.L%	95, 9%	88, 00	12, 874. 07	102.99	926, 93	566.46	13, 337, 54	13, 904. 00	
100(4)	Individual Removal of Trees, large (¢ >900mm)	each	19,00	92.6%	0.7%			95, 9%	121.00	2, 128. 70	17.03	153. 27	93.66	2, 205. 34	2, 299. 00	<u>۱</u>
101 (1)	Removal of Structures and Obstructions Removal of Existing Pedestrian Bridge	L.S.	1.00	11.3%	8.2%	80. 5%	48.9%	51.1%	79, 000. 00	8, 947, 36	6, 483. 23	63, 569, 41	38, 669, 77	40, 330, 23	79, 000, 00	1
101 (2) a	(San Jose, at Bridge No.2)	cach	0.00	12.3%	8.4%	79.4%	48. 1%	51.6%	66, 700. 00	0.00	0.00	0.00	0, 00	0, 00	0.00	4
101 (2) b	Removal of Existing Bridge (Plaride) at Bridge No. 9)	each	0.00	12, 3%	8.4%	79.4%	48. 4%	51.6%	102, 000. 00	0, 00	0.00	0. 00	0. 00	0. 00	0, 00	1
101 (3) a	Removal of Existing PCC Pavement	m2	3, 547, 00	8.2%	8.9%		50.8%	49.2%	90.80	26, 548, 26	28, 647. 36	266, 871, 98	163, 658, 60	158, 109. 00	322, 067, 60	
101(3)Ь 101(4)а	Removal of Existing Gravel Pavement Removal of Existing Fence (Net Fence	m2	0,00	15.4%	12,6%	72, 0% 22, 5%	1 · ·	52.7%	36, 80	0.00	0,00	0,00	0, 00	0.00	0.00	1
	with Barbed Wire and Wooden Posts) Removal of Existing Fence (Net Fence	in .		72, 4%	1.1%				18, 60	0, 00	0.00	0,00	0.00	0, 00	0.00	
101 (4) b	with Barbed Wire and Concrete Posts) Removal of Existing Fence (Concrete	n	0,00	65, 7%	5.0%	29.3%	19, 2%	80.8%	21.10	0.00	0, 00	0, 00	0.00	0.00	0.00	1
101 (4) c	Hollow Block)	m	0, 00	48.3%	5.3%				89. 90	0.00	0. 00	0.00	0.00	0.00	0.00	1
101 (5) a 101 (5) b	Removal of Existing Guardrails	m	0.00 0.00	68,8% 95,2%	6.2%			82.4%	41.70	0.00	0.00	0.00	0.00	0.00	0.00	
101 (5) 5	Relocation of Existing Guardrails Removal of Existing Slope Protection	n. m3	0,00		2.9% 7.6%			97.4% 51.6%	124.00 769.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	
101 (8)	Removal of Existing Slope Protection (Hand-laid Rock)	m3	0,00	13.4%	11.8%	74.7%	48.3%	51.7%	L80. 00	0. 00	0, 00	0.00	0, 00	0.00	0.00	1
101 (9)	Removal of Existing Gabion	m3	0.00	19.1%	11.1%	69.8%			192.00	0.00	0.00	0.00	0.00	0.00	0, 00	,
SPL 101(10)a SPL 101(10)b	Relocation of Existing Transmission Shutdown Charge for the Relocation of	L.S. day	0,00 0,00	6.6% 0.4%	74.3≸ 99,1%	19.2% 0.5%		42.4% 50.4%	4, 440, 000, 00 2, 040, 000, 00	0.00 0.00	0.00	0.00 U.00	0.00 0.00	0.00 0.00	0, 00 0, 00	
101(11)	Transmission Line Removal of Existing Combination		0.00	25.3%					135, 00	0, 00	0.00	0, 00	0, 00	0.00	0,00	1
101 (12)	Concrete Curb & Gutter/Side Strip Relocation of Existing Road Signs	each	0,00		26, 9%				133, 00	0.00	0.00	0,00	0.00	0.00	0.00	
101(13) 101(14)	Removal of Existing Road Signs Removal of Existing Concrete Revetment	each	0,00	26.0%	10.6%	63.4%	41.3%	58.7%	421, 00	0.00	0,00	0,00 0,00	0.00	0,00 0,00 0,00	0,00	3

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Item No.	Description	Unit	Quantity				(%)		Total			Component (PP)			Total	Remarks
102(1)	Unsuitable Excavation	m3	237,600.00	i,ab. 6.9%	<u>Met.</u> 13.6%	Equip. 79.5%	<u>For</u> 52.0%	Local 48.0%	(PP) 125.00	1.abor 2, 050, 104, 10	Naterial 4,039,286,50	Equipment 23, 610, 509, 40	Forcign 15, 452, 315, 58	Local 14, 247, 684, 42	<u>(PP)</u> 29, 700, 000, 00	. .
102(1)	Surplus Common Excavation	m3	0.00	6.9%	13.6%	79.5%	52.0%	48.0%	125.00	2,050,104,10	4,039,286,90	23, 610, 609, 10	0.00	14, 241, 084, 42	29, 100, 000, 00 0, 00	
103(1)	Structure Excavation	m3	1,947.00	6.8%	10.5%	82.6%	51.B%	48.2%	146.00	19, 449, 07	29, 916, 66	234, 896, 26	147, 139.00	137, 123, 00	284, 262. 00	
103(2)a	Bridge Excavation above OWL (Common	m3	434.00	6.8%	10.6%	82.6%	51,8%	48, 2%	146, 00	4, 337, 64	6, 701, 86	52, 324, 49	32, 800, 37	30, 563, 63	63, 364, 00	,
103(2)6	Soil) Bridge Excavation above OWL (Rocky	m3	0.00	5.0%	9.2%	85.8%	52.6%	47.4%	278.00	0, 00	0, 00	0, 00.	U. 00	0.00	0,00	
	Bridge Excavation below OWL (Rocky		1 1					I			1					
103(2) c	Soil)	m3	596, 00	9.2%	29.4%	61.5%	49, 6%	50.4%	1, 100, 00	60, 150, 75	192, 561, 41	402, 887. 84	325, 025. 51	330, 574. 49	655, 600, 00	1
103(2)d	Bridge Excavation below OWL (Rocky	m3	0,00	8.6%	26.4%	65.0%	50. 0%	50.0%	1, 300, 00	0.00	0.00	0, 00	0.60	0, 00	0.00	
103(3)a 103(3)b	Gravel Foundation Fill Selected Sand Bedding	m3 m3	175,00	24.0% 32.3%	13.2%	62.8% 52.4%	39. 7% 34. 3%	60.3% 65.7%	413.00 297.00	17, 332, 25	9, 556. 22 0. 00	45, 386, 53 0, 00	28, 658, 43 0, 00	43, 616, 57 0, 00	72, 275. 00 0, 00	
103(6)	Pipe Culverts and Drain Excavation	m3	8, 977, 00	7.6%	12.4%	79.9%	51.5%	48.5%	142.00	96, 952. 28	158, 668, 80	1,019,112,91	656, 970, 33	617, 763, 67	1, 274, 734, 00	
103(7)	Granular Backfill for Pipe Culverts	m3	4, 777. 00	29.4%	16.2%	54.4%	36, 0%	64. 0%	296.00	415, 773, 80	229, 048. 44	769, 169, 76	509, 648. 18	904, 343, 82	I, 113, 992.00	
104(1)	Embankment from Excavated Soil	6m	3, 794. 00	5.2%	10.9%	83, 9%	52.7%	47. 3%	152.00	30, 044. 73	62, 675, 67	483, 967. 59	303, 714, 85	272, 973. 15	576, 688. 00	
104 (3)	Embankment from Borrow Soil Embankment from Borrow (Selected	m3	623, 042, 00	6.2%	20. 5%	73, 2%	48.6%	51.4%	259.00	10, 018, 147, 39	33, 160, 738, 53	118, 188, 992. 09	78, 484, 438, 22	82, 883, 439, 78	161, 367, 878.00	'[
104 (4)	Granular Material) for Bridge	n 3	1, 125, 00	10.6%	17.4%	71.9%	46. 1%	53, 9%	275, 00	32, 867. 64	53, 937. 33	222, 570, 04	142, 554, 08	166, 820, 92	309, 375, 00	4
105(1)	Subgrade Preparation (Common Soil)	m2	8, 713, 00	7.1%	8.3%	84.6%	51.4%	48.6%	13.60	8, 419. 49	9, 807, 15	100, 270, 16	60, 872, 90	57, 623, 90	118, 496. 80	اد
105(2)	Subgrade Preparation (Existing Grave)	п2	0.00	7.1%	8.3%	84.6%	51.4%	48. 5%	13, 60	0.00	0,00	0, 00	0.00	0. 00	0.00	3
	Surface)										1			1		1
Part D	Subbase and Base Course							1				1	1	-		
200(1)	Aggregate Subbase Course	m3	36, 700, 00	8.5%	13, 6%	77.9%	48.5%	51.5%	505, 00	l, 579, 638. 64	2, 511, 697. 28	14, 442, 164. 08	8,991,681.63	9, 541, 818, 37	18, 533, 500. 00	1
200 (2)	Aggregate Subhase Course using		0.00	2 .00		0.1 53	C 1 4W	40.00	150.00	0.00		0.01	0.00	0.00		
200(2)	materials born by removal of existing gravel pavement	m3	0, 00	7.0%	8, 5%	84.5%	51.4%	48, 6%	150.00	0.00	0, 00	0, 00	0.00	0.00	0,00	1
201(1)	Aggregate Base Course	m3	12, 958, 00	8.6%	13.3%	78.1%	48,6%	51.4%	530.00	588, 162, 84	916, 382, 23	5, 363, 194, 92	3, 337, 496, 91	3, 530, 243, 09	6, 867, 740, 00	5
204(1)	Cement Stabilized Sand Base Course	m3.	0.00	6.3%	40, 5%	53.2%	51.7%	48, 3%	616,00	0.00	0, 00	0,00	0, 00	0.00	0,00	
	6			1					ł							
Part E 300(1)	Surface Courses Gravel Surface Course	m3 ·	8, 171, 00	9.7%	14.2%	76.0%	47.9%	52, 1%	505,00	416. 075. 44	609, 610, 80	3, 253, 683, 76	2, 051, 945, 29	2, 227, 424, 71	4, 279, 370, 00	
301 (1)	Prime Coat	t ·	0, 00	0, 5%	98.6%	0.9%	61.5%	35, 5%	23, 000, 00	0.00	0, 00	a, 2aa, 663, 76 0, 00	0,00	2, 221, 424, 71	1, 279, 370, 00	
302(1)	Tack Coat	t	0,00	0.6%	98.5%	0.9%	64.4%	35.6%	23, 000, 00	0, 00,	0, 00	0.00	0.00	0, 00	0.00	
310(1)	Bituminous Concrete Surface Course, hot	τ	0.00	0.7%	93, 2%	6.1%	63.8%	36, 2%	3, 020, 00	0. 00	0. 00	0,00	0.00	0, 00	0, 00	1
	laid Asphalt Nixture Wearing Course (t=50mm)															
310(2)	for bridge pavement	m2	0.00	0.7%	93. 3%	6.0%	63.8%	36.2%	365.00	0, 00	0.00	0.00	0.00	0.00	0.00	4
310(3)	Waterproofing Layer for Pampanga Deck	n2	0,00	30.8%	64.9%	4.3%	44.3%	55, 7%	32. 10	0.00	0, 00	0.00	0.00	0,00	0.00	1
311(1)a	Slab PCC Pavement (Plain), t≈280mm	m2	0,00	7.3%	63.9%	28.9%	53, 9%	46, 1%	622, 00	0.00	0,00		0.00	0.00	0.00	
311(1)5	PCC Pavement (Plain), t=250mm	n2	74, 141, 00	7.6%	62.9%	28.97	53. 7%	46.1%	575,00	3, 256, 517, 67	26, 827, 716, 78	0.00 12,546,840.55	22, 873, 269, 841	19, 757, 805, 16	42, 631, 075, 00	-
311(1)c	PCC Pavement (Plain), t=230mm	n 2	4, 362.00	7.9%	62.2%	29.9%	53.5%	46.5%	542.00	187, 931. 52	1, 469, 984, 34	706, 288, 14	1, 264, 325, 21	1,099,878,79	2, 364, 204, 00	
311(I)d	PCC Pavement (Plain), t=180mm	m2	0.00	B. 9%	60, 0%	31,1%	53.0%	47.0%	461.00	0.00	0, 00	0.00	0.00	0,00	0,00	
SP1. 311(1)e	PCC Pavement (Lean Mix Concrete) PCC Pavement (Reinforced), t=300mm	mЗ	0.00	12.9%	47.3%	39.9%	49, 2%	50, 8%	2, 470. 00	0.00	0. 00	0, 00	0,00	0.00	0.00	1
SPL 311(2)	(Approach Slab)	m2	396,00	11.8%	71.0%	14.2%	53. 8%	46.2%	2, 060. 00	95, 958. 74	604, 038, 98	115, 762. 27	438, 835, 00	376, 925, 00	815, 760. 00	7
						1				÷		1	1			
Part F	Bridge Construction			0.00					a 700 00		A 53					1
400 (3) я	Steel II Piles (450mmx260kg/m), Precast RC Concrete Pile (400mm x	m	0,00	2.3%	81.1%	16.6%	65.4%	34.6%	6, 700. 00	0.00	0, 00	0.00	0, 00	0.00	0, 00	}
400 (4) a	400mm), furnished	R	0,00	11.8%	71.0%	17.2%	54.2%	45, 8%	1, 580. 00	a. oo	0, 00	0.00	0, 00	0.00	0, 00	2
400 (4) b	Precast RC Concrete Pile (450mmx450mm)	m	1, 448, 00	11.8%	71.0%	17. 1%	54. 2%	45, 8%	2, 010. 00	344, 610, 05	2, 067, 178, 46	498, 691. 49	1, 576, 197, 32	1, 334, 282. 68	2 010 400 00	
	furnished								- 1					I	2, 910, 480. 00	1
400(10)a	Steel II Piles (450mmx260kg/m), driven Precast Concrete Piles (460mm x 400mm),	m	0,00	6.6%	33.6%	59. B%	54.6%	45, 4%	623. 00	0.00	0, 00	0.00	0.00	0.00	0, 00	4
400(13)a	driven	m	0,00	8.7%	12.5%	78.8%	51.3%	48.7%	330. 00	0.00	0, 00	0,00	0.00	0, 00	0.00	1
400(13)b	Precast Concrete Piles (450mm x 450mm),	l	1, 233. 00	8.7%	12.5%	78.8%	51.3%	48.7%	350.00	37, 578. 27	\$4. 012. 34	339, 959, 391	221, 345, 86	210, 201, 14	431, 550. 00	4
	driven Test Biles (400 400) Suusished K	l ‴	1,200.00			10.0%		-10.1%	355.90	01, 01 0 , 21	44, ULZ. 34	aaa, aaa, ay	221, 213.00	410, 201, 14	431, 330, 00	Ί
400 (15) a	Test Piles (400mm x 400mm), furnished & driven	m	0, 00	11.4%	62.4%	26. 2%	53. B%	46, 2%	1, 850. 00	0.00	0. 00	0.00	0.00	0.00	0,00)
400(15)b	Test Piles (450mm x 450mm), furnished &		74.00	11 60			60 OF	40.00	0 100 00	10 510 10	100 100	40 100	·			
400 (15) B	driven	^m	74,00	11.5%	63. 7%	24. B%	53. 8%	46.2%	2, 300. 00	19, 512, 49	108, 493, 58	42, 193. 93	91, 616, 07	78, 583, 93	170, 200, 00	1
400(15)c	Test Piles (Steel H Piles	m	0, 00	2.6%	77.3%	20.0%	64.6%	35.4%	7, 100, 00	0.00	0, 00	0.00	0. 00	0.00	0.00	3
I	460mmx260kg/m). furnished & driven	I	I I	i I		. I		. 1	I	_						1

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Item No.	Description	Unit	Quantity	Lab.	Con Mat,	ponent Equíp.			Total			Component (PP)			Total	Remarks
400(16)a	Cast-in-place Concrete Bored Piles © 1000mm	m	0.00	2, 8%	44.2%		<u>For.</u> 57.1%	Local 42, 9%	(PP) 12, 500. 00	Labor 0,00	<u>Materia</u>) 0,00	Equipment 0,00	Foreign0.00	Local 0, 00	(PP) 0.00	<u> </u>
400(16)b	Cast-in-place Concrete Bored Piles	m	0.00	8. 3%	48.1%	43,6%		42.9%	16, 400, 00	6,00	0.00	0,00	0.00	0.00	0.00	
400 (16) c	¢ 1200mm Cast-in-place Concrete Bored Piles	, m	0, 00	8. 1%	50. 3%				24, 300, 00	0.00	0.00	0,00	0,00		1	1
400(16)d	∲1500mm Cast~in-place Concrete Bored Piles	, .	0,00	7, 7%	39.0%	53, 3%								0.00	0, 00	
400(19)a	φ800mm Pile shoes Γοι 400mm x 400mm Piles	each	0,00	6.5%	55.0% 69.9%	3.6%	57.2% 62.0%	42, 8% 38, 0%	11, 000, 00 717, 00	0. 00 0. 00	0, 00 0, 00	0.00 0.00	0, 00 0, 00	0.00 0.00	0, 00 0, 00	
400(19)5	Pile shoes for 450mm x 450mm Piles	each	177,00	6.5%	89.9%	3.6%	62. 0%	38.0%	717.00	8, 243, 70	114, 038, 26	4, 627. 03	78, 731, 36	48, 177, 64	126, 909, 00	
400 (20) а 400 (20) b	Splices for 400mm x 400mm Piles Splices for 450mm x 450mm Piles	each each	0,00 0,00	0.5% 0.5%	98.3% 98.2%	1.2%	69.2%	30, 8%	1, 310, 00	0, 00	0.00	0.00	0.00	0.00	0,00	l
400(20)0	Static Pile Load Test for \$1500mm					1.2%		30, 8%	1, 310, 00	0.00	0, 00	0.00	0, 00	0.00	0, 00	
1	Barad Piles High Strain Dynamic Pile Test for	each	0.00	30.4%	13, 8%	55, 8%		56, 4%	121,000.00	0,00	0,00	0, 00	0.00	0.00	0.00	
SPL 400(23)a	¢ 1000mm Bored Piles High Strain Dynamic Pile Test for	each	0,00	30. 1%	13.6%	55, 8%	43, 6%	56. 4%	123, 000. 00	0.00	0.00	0.00	0, 00	0, 00	0.00	Į
SPL 400(23)b	ø1200mm Bored Piles	each	0.00	30.4%	13.8%	55.9%	43.6%	56, 4%	126, 000. 00	0.00	0, 00	Ð. 00	0.00	0, 00	0. 00	
SPL 400(23)c	lligh Strain Dynamic Pile Test for \$800mm Bored Piles	each	0.00	30, 4%	13.8%	55.8%	43.6%	56.4%	120, 000. 00	0, 00	0, 00	0, 00	0. 00	0. 00	0. 00	Í
SPL 400(24)	Pile Integrity Test for Bored Piles of various diameter	each	0. 00	30. 3%	13.8%	55.9%	43, 7%	56. 3%	163, 000. 00	0, 00	0. 00	0.00	0.00	0.00	0. 00	
401 (I) a	Concrete Railing Type A (Concrete Posts and Precast Beams)	m	229. 00	26.8%	64. 4%	8.8%	38. 5%	61.5%	I, 240. 00	76, 143, 99	182, 803. 63	25, 012, 38	109, 381, 40	174, 578. 60	283, 960. 00	
401(1)b	Concrete Railing Type B (Concrete Wail Type)	m	0.00	25. 2%	62. 9%	11.9%	38. 6%	61.4%	1, 380. 00	0, 00	0.00	0, 00	0.00	0, 00	0, 00	
401 (2) a	Steel Railing Type A for Angat and Talavera Bridge, and Approach of	n	0.00	7.2%	74.6%	18, 3%	62, 4%	37.6%	2, 740, 00	0, 00	0.00	0, 00	0.00	0.00	0.00	
	Pampanga Bridge Steel Railing Type B for Pampanga Main								2,140,00	0.00	0.00	0.05	0.00	0,00	0.00	1 '
401(2)5	Bridge Bridge Name Plate, 1000 x 600 mm for	m	0,00	2, 1%	71.2%	3,7%	50.9%	26. 0%	2,740.00	0.00	Ø. 00	0,00	0, 00	0.00	0.00	
SPL 401(3)a	Angat Bridge	each	0.00	5.1%	85. 1%	9.5%	65. 0%	35. 0%	32, 000. 00	0.00	. 0, 00	0, 00	0.00	0, 00	0.00	(
SPL 401 (3) b	Bridge Name Plate, 1000 x 600 mm for Pampanga Bridge	each	0.00	5.1%	85. 1%	9.5%	65, 0%	35, 0%	32, 000. 00	0.00	0.00	0.00	0.00	0, 00	0.00	
SPL 401 (3)c	Bridge Name Plate, 1000 x 600 mm for Talavera Bridge	each	0.00	5. t%	85.4%	9.5%	65, 0%	35, 0%	32, 000. 00	0, 00	0. 00	0.00	0, 00	0, 00	0.00	
SPL 401 (3) đ	Bridge Name Plate, 1000 x 600 mm for Interchange Ramp	each	0, 00	5.1%	85. 4%	9.5%	65, 0%	35. 0%	32, 000. 00	0, 00	0, 00	0.00	0, 00	0.00	0.00	
403(3)	Structural Steel for Pampanga River Bridge, furnished and fabricated	kg	0, 00	2, 7%	76.9%	20.4%	66, 3%	33, 7%	74. 40	0.00	· 0, 00	0, 00	0.00	D. 00	0.00	
403 (5)	Structural Steel for Pampange River Bridge, erectod	kg	0.00	6. 0%	58, 0%	35.9%	50, 7%	49, 3%	11.60	0, 00	0, 00	0.00	0.00	0. 00	0, 00	
403 (8) a	Bearing Shoe for Steel Plate Girder Type 1 (Max. R=250t) in Pampanga Bridge	each	0, 00	0,4%	98, 2%	l. 1%	69.4%	30, 6%	300, 000. 00	0. 00	0.00	0.00	0. 00	0.00	0.00	
403 (8) b	Bearing Shoe for Steel Plate Girder Type 2 (Max, R=650t) in Pampanga Bridge	each	0, 00	0, 1%	98, 7%	1.2%	69. 6%	30. 4%	782, 000. 00	0. 00	0, 00	0.00	0.00	0.00	0, 00	1
403 (8) e	Bearing Shoe for Steel Plate Girder Type 3 (Nax. R=650t) in Pampanga Bridge	each	0. 00	0.1%	98, 7%	1.2%	69.6%	30.4%	782, 000. 00	0.00	0, 00	0.00	0.00	0.00	0,00	1
SPL 403 (9)	Steel Grating for Sunlight Opening in Underpasses	n 2	0, 00	6. 5%	78, 2%	15, 2%	62. 0%	38.0%	5, 810. 00	0. 00	0.00	0, 00	0.00	0. 00	0.00	1
404 (L)	Reinforcement Steel Grade 40	kg	171, 431. 00	15.2%	77.0%	7.8%	54.0%	46.0%	23, 30	606, 614, 59	3, 075, 858, 61	311, 869, 10	2, 156, 742, 50	1, 837, 599, 80	3, 994, 342, 30	1
404 (2)	Reinforcement Steel Grade 60 Structural Concrete Class A (fc'=21MPa,	kg	161, 396, 00	t4. 5%	77, 9%	7.7%	54.5%	45. 5%	24. 50	571, 890, 19	3, 078, 956, 11	303, 355, 70	2, 154, 257, 67	1, 799, 944, 33	3, 954, 202, 00	
405(1)a	max. aggregate 38mm) for beavily reinforced structures	m3	1,776.00	25, 3%	57, 2%	17.5%	35.7%	64.3%	3, 160. 00	1, 420, 154. 37	3, 209, 576, 23	982, 429. 41	2, 006, 222, 48	3, 605, 937, 52	5, 612, 160. 00	
405(l)b	Structural Concrete Class A (fe'=21MPa, max. aggregate 38mm) for small & medium bridges substructures	m3	£,001.00	12.6%	64, 8%	22, 6%	47.3%	52. 7%	2, 250, 00	283, 698, 28	1, 460, 285. 71	508, 266, 02	1, 065, 752, 81	1, 186, 497. 19	2, 252, 250, 00	
405(1)c	Structural Concrete Class Al (fc'=21MPa, max. aggregate 20mm) for small & medium bridges RCDC	m3	0.00	25. 9%	56. 4%	17.6%	36, 1%	63. 9%	4, 110. 00	Q. 00	0, 00	0. 00	0, 00	0. 00	0.00	

Item No.	Description	Unit	Quantity		P	ponent	Unit Rat	te	Total			Amo Component (PP)	unt		Total	Remarks
ITOM NO.	Description	0111	Quantity	Lab.		Equip,		[.oca]	(PP)	Labor	Materia]	Equipment	Foreign	Local	(PP)	Remarks
405(1)d	Structural Concrete Class Al (fc'=21MPa, max. aggregate 20mm) for smal) & medium bridges PCDG	m3	378,00	21.2%	58. 1%	20.8%	39, 4%	60, 6%	4, 000, 00	320, 268, 79	877, 860, 30	313, 870, 91	596, 313. 02	915, 686, 98	1, 512, 000, 00	-
405(I)e	Structural Concrete Class AAI (fc'=28MPa, max. aggregate 25) for long bridge substructures	m3	0,00	11.0%	67.5%	21.5%	49, 4%	50.6%	2, 360. 00	0.00	0.00	0,00	0,00	0, 00	0, 00	
405(l)F	Structural Concrete Class AA2 (fc'=28MPa, max. aggregate 20mm) for long bridge superstructures	п3	Q, 00	21.5%	58, 9%	19, 5%	39, 4%	60.6%	4, 450. 00	0, 00	0. 00	0, 00	0, 00	0.00	0. 00	
405(2)	Structural Concrete Class B (fc'=17MPa; max. aggregate 50mm) for plain or lightly reinforced structures	m3	1,827.00	22. 3%	57.6%	20.1%	38, 2%	61.8%	2, 390, 00	973, 013, 10	2, 515, 860, 35	877, 656. 56	1,667,601.48	2, 698, 928, 52	4, 366, 530. 00	
405 (3)	Structural Concrete Class C (fc'=21MPa, max, aggregate 12mm) for thin reinforced members	т3	65, 00	16.5%	64. 3%	19.2%	43, 7%	56.3%	2, 590, 00	27, 718, 81	108, 253, 82	32, 377. 37	73, 518. 61	94, 831, 39	168, 350, 00	
405 (4) b	Structural Concrete Class PP (41MPa, max. agg. 20mm) for prestressed box girders in Angat Bridge	mä	0.00	26.8%	52, 3%	20. 9%	39, 1%	60. 9%	4, 170, 00	0, 00	0.00	0, 00	0.00	0.00	0. 00	
405 (4) c	Structural Concrete Class PP (41MPa, max. agg. 20mm) for prestressed hollow slab girders	mð	0,00	28. 1%	55. 2%	16.6%	37, 1%	62.9%	4, 810, 00	0. 00	0,00	0.00	0, 00	0, 00	0.00	
405 (6)	Lean Concrete (17MPa, max. agg. 38mm), Doured Precast Prestressed Structural Concrete	m3	174.00	8, 6%	67.6%	23. 8%	49. 7%	50, 3%.	(, 950, 00	29, 030, 92	22 9 , 455. 72	80, 813, 36	168, 701. 86	170, 598. 14	339, 300. 00	
406(l)a	Members (AASHTO Girder Type IV L=20m), fabricated & erected Precast Prestressed Structural Concrete	each	10, 00	11, 3%	81.1%	7.6%	57.6%	42, 4%	184, 000, 00	208, 691, 90	1, 491, 683, 88	139, 624, 22	1, 059, 687, 36	780, 312, 64	L, 840, 000. 00	{
406(l)b	Members (AASHTO Girder Type IV L≃22m), Fabricated & erected	each	5, 00	11.5%	80, 9%	7.7%	57,4%	42.6%	196, 000, 00	112, 291, 19	792, 432, 75	75, 276, 05	562, 062. 24	417, 937, 76	980, 000. 00	
406(1)c	Precast Prestressed Structural Concrete Mombers (AASHTO Girder Type IV L=24m), fabricated & erected	each	0.00	10.2%	83, 4%	6, 4%	59, 2%	40.8%	258, 000. 00	0, 00	0. 00	0, 00	0, 00	0. 00	0, 00	
406 (1) d	Precast Prestressed Structural Concrete Members (AASHTO Girder Type IV L=25m), fabricated & erected	each	10,08	10, 3%	83, 3%	6.5%	59.1%	40, 9%	266, 000, 00	272, 692, 66	2, 215, 373. 01,	171, 934. 33	l, 572, 473, 27	L, 087, 526, 73	2, 660, 000, 00	ĺ
406(1)e	Precast Prestressed Structural Concrete Members (AASNTO Girder Type IV-B 1=30m), fabricated & erected	each	0, 00	9.3%	82, 6%	8,0%	59, 8%	40, 2%	377, 000. 00	0, 00	0. 00	0, 00	0.00	0.00	0.00	
406 (1) f	Precast Prestressed Structural Concrete Nembers (AASHTO Girder Type IV-B L≂31m), fabricated & erected	each	0, 00	9.1%	82. 6%	8.1%	59, 8%	40. 2%	385, 000. 00	0. 00	0. 00	0, 00	0.00	0. 00	0.00	
406(1)g	Precast Prestressed Structural Concrete Members (AASHTO Girder Type V L=29.4m), fabricated & erected	each	0, 00	10, 3%	81.1%	8.6%	58, 5%	41, 5%	432, 000. 00	0.00	0, 00	0.00	0,00	0.00	0. 00	
406(I)h	Precast Prestressed Structural Concrete Member (AASHTO Girder Type V L≈29.55m), fabricated & erected	each	0.00	10.3%	81.1%	8, 6%	58, 5%	41.5%	434, 000, 90	0.00	0, 00	0, 00	0.00	0, 00	0.00	
406(1) i	Precast Prestressed Structural Concrete Wembers (AASHTO Girder Type V L=33,5m), fabricated & erected	each	Q, QU	9.8%	82. (%	8. 1%	59, 2%	40, 8%	485, 000. 00	Q. 00	0.00	0, 00	0.00	0,00	0.00	
406(l)j	Precast Prestressed Structural Concrete Members (AASHTO Girder Type VI L=35m), Fabricated & erected	each	0, 00	9.7%	81,7%	8, 7%	59, 2%	40.8%	538, 000. 00	0. 00	0.00	0.00	0.00	0, 00	0.00	
406(l)k	Precast Prestressed Structural Concrete Members (AASHTO Girder Type VI L=36m), [fabricated & crected	each	0, 00	9, 7%	81.6%	8.7%	59.1%	40, 9%	550, 000, 00	0.00	0. 00	0.00	0, 00	0. 00	0. 00	
406(1)1	Precast Prestressed Structural Concrete Members (AASHTO Girder Type VI(mod) L×39.4m), fabricated & erected	each	0, 00	10.4%	80, 8%	6.8%	58.2%	41.8%	710, 000. 00	0. 00	0. 00	0.00	0, 00	0.00	0, 00	
406(l)m	Precast Prestrossed Structural Concrete Members (AASHTO Girder Type VI(mod) L=39.55m), fabricated & erected	each	0.00	10.4%	80, 8%	6. 8%	58, 2%	41.8%	711, 000, 00	0.00	0.00	0,00	0, 00	0.00	0.00	,

		Γ					Unit Ra	e	······································				unt			
Item No.	Description	Unit	Quantity	Lab.	<u>Co</u> Mat.	ponent Equip.	(%) For,	Local	Total (PP)	Labor	Material	Component (PP) Equipment	Foreign	Loca]	Tota] (PP)	Remarks
406(l)n	Precast Prestressed Structural Concrete Members (AASHTO Girder Type VI(mod) 1,=40m), fabricated & erected	each	0.00	9, 9%	81.2%		58. 7%		644, 000. 00	0, 00	0.00		0.00	0, 00	0.00	
406 (1) p	Precast Prestressed Structural Concrete (PC Deck Slab, 210 x 2000 x 9950mm)	m2	0.00	9.9%	83. 8%	6,4%	60, 4%	39. 6%	6, 740. 00	0, 00	0.00	0, 00	0.00	0, 00	0.00]
406 (3) a	Prestressing Steel 12-T12.7 for PC Box Girders of Angat Bridge, Longitudinal	kg	0, 00	8.8%	86. 3%	4.9%	63, 5%	36. 5%	226.00	0.00	0, 00	0, 00	0.00	0, 00	0, 00	
406(3)ь	Prestressing Steel 5-T12.7 for PC Box Girders of Angat Bridge, Transversal in Top Slab	kg	0.00	12. 8%	78.9%	8.2%	59, 3%	40.7%	219.00	0.00	0.00	0.00	0.00	0.00	0, 00	
406 (3) c	Prestressing Bar Ø32mm for PC Box Girders of Angat Bridge, Transversal in Diaphragms	kg	0. 00	7. 2%	87. 3%	5.5%	65. 0%	35.0%	262. 00	0. 00	0.00	0.00	0.00	0. 00	0. 00	
406 (3) d	Prestressing Bar # 32mm for PC Box Girders of Angat Bridge, Vertical in Wobs	kg	0, 00	7.8%	85, 6%	6.5%	65. 0%	35. 0%	379.00	0.00	0.00	0.00	0.00	0. 00	0. 00	
406 (3) e	Prestressing Steel 12-T12.7 for PC Hollow Slab Bridge for Burgol Ramp C, Longitudinal	kg	0.00	10. 1%	85, 4%	4. 5%	62.1%	37.9%	185.00	0,00	0.00	0, 00	0, 00	0. 00	0.00	
407(l)a	Elastomeric Bearing Pad, Duro 60 (400x300x50mm)	each	Ð, VO	2. 6%	96, 0%	1.2%	63. 0%	37.0%	ti, 500. 00	0, 00	0. 00	0.00	0.00	0.00	0.00	
407(I)b	Elastomeric Bearing Pad, Duro 60 (600x300x50mm)	øach	0, 00	I. 7%	97.1%	1.2%	63, 9%	36. 1%	19, 200. 00	0.00	0. 00	0, 00	0.00	0.00	0.00	
407(1)c	Elastomeric Bearing Pad, Duro 60 (600x350x50mm)	each	50, 00	1.5%	97.3%	1.2%	64.0%	36. 0%	21, 500. 00	16, 109. 98	1, 046, 242, 96	12, 647. 06	688, 203, 62	386, 796. 38	L, 075, 000, 00	
407(1)d	Elastomeric Bearing Pad, Duro 60 (600x700x89mm)	each	0, 00	0, 4%	98. 1%	1.2%	65,2%	34.8%	85, 200. 00	0.00	0.00	0.00	0.00	. 0. 00	0.00	
407(1)e	Elastomeric Bearing Pad, Duro 60 (600x400x60mm)	each	0, 00	1.1%	97.8%	l. 2%	64. 5%	35. 5%	30, 000, 00	0.00	0, 00	0.00	0. 00	0.00	0.00	1
407(l)ť	Elastomeric Bearing Pad, Duro 60 . (450x300x60mm)	each	0.00	1.5%	97. 3%	1.2%	64.6%	35, 4%	21, 100. 00	0.00	0, 00	0.00	0. 00	0.00	0.00	
407(I)g	Elastomeric Bearing Pad, Duro 60 (550x300x50mm)	each	0. 00	2.1%	96. 7%	Ι.2%	63. 4%	36.6%	15, 100. 00	0. 00	0.00	0.00	0. 00	0.00	9, 00	l
407(l)h	Elastomeric Bearing Pad, Duro 60 (500×400x60mm)	each	0.00	1.1%	97, 7%	1.2%	64. 7%	35. 3%	28, 100. 00	0, 00	0, 00	0.00	0.00	0.00	0, 90	
407 (2) a	Expansion Joint, Multiflex MBO (Elastomeric)	п	40, 00	0, 3%	98. 6%	1.2%	64.8%	35, 2%	66, 090, 00	6, 864. 13	2, 602, 064, 76	31, 071. 11	1, 709, 712. 80	930, 287. 20	2, 640, 000. 00	
407 (2) b	Expansion Joint, Multiflex MIOO (Elastomeric)	n	0.00	0.3%	98, 6%	1.2%	64.8%	35.2%	76, 000. 00	0, 00	0,00	0.00	0. 00	0.00	9, 00	
407 (2) c	Expansion Joint, Multiflex M140 (Elastomeric)	11	0, 00	0, 2%	98.6%	1.2%	64.8%	35.2%	95, 900. 00	0.00	0, 00	0.00	0, 00	0.00	0.00	
407 (2) d	Expansion Joint, Multiflex MI60 (Elastomeric)	m	0.00	0.2%	98, 6%	1.2%	64.8%	35.2%	109, 000. 00	0.00	0, 00	0.00	0, 00	0. 00	0.00	
407 (2) e	Expansion Joint, Multiflex M200 (Elastomeric)	m	0.00	0.2%	98. 6%	1.2%	64.8%	35. 2%	125,000.00	0.00	0,00	0.00	0.00	0.00	0, 00	
407 (2) f	Expansion Joint, Multiflex M330 (Elastomeric)		0.00	0.2%	98. 6%	1. 2%	64. 8%	35. 2%	255, 000. 00	0. 00	0.00	0.00	0, 00	0. 00	0.00	
407(2)g SPL 407(3)a	Expansion Joint, 30mmfor bridge Restraining Bar ø32 x 1495mm	m each	8.00 0,00	10.8% 6.4%	88, 5% 88, 4%	0.7% 5.2%	53.5% 61.8%	46.5% 38.2%	149.00 6,170.00	128, 34 0, 00	1, 055. 40 0. 00		637, 61 0, 00	554.39 0.00	1, 192. 00 0. 00	
1	Restraining Bar ø32 x 1900mm Restraining Cable ø65 x 4121mm (PC 7-	each	0, 00	6.0%	88, 8%	5, 2%	62.2%	37, 8%	6, 590, 00	0, 00	0.00		0.00	0.00	0,00	
SPL 407(3)c	T15.2) Restraining Cable φ65 x 4224mm (PC 7-	each	0,00	2.8%	94.3%	3, 0%	65. 9%	34.1%	26,000.00	0.00	0.00	0, 00	0, 00	0.00	0. 00	1
SPL 407(3)d	T15,2) G.1. Drain Pipe φ150mm for Bridge	each	0.00	3, 2%	93.8%	3.0%	65, 3%	34. 7%	22, 200, 00	0.00	0, 00	0, 00	0.00	0.00	0.00	
407 (1)	Drainage	m	LL, 00	10.5%	87.4%	2,0%	53.8%	46. 2%	844.00	978, 07	8, 116.65	189, 29	4, 996, 20	4, 287. 80	9, 284, 00	· ·
SPL 407(5)a	Pier Protection Concrete Blocks for Angat Bridge	m2	0,00	13.6%	55.0%	31,5%	50.0%	50, 0%	808, 00	0.00	0, 00	0.00	0.00	0. 00	0, 00	
SPL 407(5)b	Pier Protection Concrete Blocks for Pampanga Bridge	m2	0.00	13.6%	54. 9%	31.5%	50, 0%	50. 0%	809.00	0. 00	0.00	0.00	0, 00	0, 00	0.00	Í I
SPL 407(5)c	Pier Protection Concrete Blocks for Talavera Bridge	, m2	0, 00	13. 7%	55, 5%	30.9%	50. 1%	49. 9%	845. 00	0, 00	0.00	0.00	0.00	0.00	0, 00	
SPL 420(1)	Temporary Access Road Crossing Streams/Rivers	L. S.	0, 00	8. 9%	30. 7%	60.4%	50, 2%	49.8%	1, 560, 000, 00	0.00	0.00	0.00	0.00	0.00	0, 00	

Item No.	Description	Unit	Quantity		Com		Unit Rai (%)	le	Total			Ano Component (PP)	unt	· · · · · · · · · · · · · · · · · · ·		Barro-t
			wunnitity	.ab,		Equip.	For.	Local	(PP)	Labor	Material	Equipment (11)	Foreign	Local	Total (PP)	Renark
SPL 420(2)	Realignment of River/Stream False Works Required for Cantilever	L. S.	0,00	0.0%	0.0%	0,0%	0.0%	0.0%	D. 00	0.00	0, 00	0.00	0,00	0, 00	0,00	1
SPI. 420(3)	Construction for PC Box Girder (Angat River)	L. S.	0, 00	7.7%	7.4%	84.6%	51.6%	45. 4%	32, 000, 000. 00	0.00	0, 00	0.00	0. 00	0. 00	0,00	F
SPL 420(4)a	Temporary Craneway for Angat Bridge Construction	m	0. 00	1.6%	93. 1%	5.3%	49.6%	50.4%	120, 000, 00	0.00	0.00	0, 00	0, 00	0. 00	0. 00	1
SPL 420(4)b	Temporary Craneway for Pampanga Bridge Construction	n	0,00	1.1%	91. 1%	4.3%	49. 7%	50, 3%	132, 000, 00	0.00	0.00	0, 00	0, 00	0, 00	0.00	,
SPL 420(4)c	Temporary Craneway for Talavera Bridge Construction	- 14	0.00	1.9%	91.8%	6.2%	49, 5%	50, 5%	105, 000, 00	0. 00	0, 00	0.00	0, 00	0.00	0, 00	ı
SPL 420(5)a	Temporary Access Road (Causeway) for Angat Bridge Construction	п	0.00	6, 3%	17.4%	76. 3%	50.0%	50.0%	7, 820. 00	0. 00	0. 00	0.00	0.00	0.00	0.00	
SPL 420(5)b	Temporary Access Road (Causeway) for Pampanga Bridge Construction	ía.	0, 00	6.4%	17.3%	76.4%	49.9%	50, 1%	6, 440. 00	0. 00	Q, OD	0.00	0,00	0, 00	0.00	1
SPL 420(5)c	Temporary Access Road (Causeway) for Talavera Bridge Construction		0.00	6.3%	17.4%	76.3%	50.0%	50, 0%	9, 890. 00	0, 00	0.00	0.00	0.00	0,00	0.00	1
SPL 420(6)a	Temporary Cofferdam for Pier Construction (Angat Bridge Type 1)	each	0, 00	9.5%	44.8%	45.8%	48. 2%	5t.8%	2, 310, 000, 00	0, 00	0, 00	0, 00	0.00	0, 00	0, 00	'
SPL 420(6)b	Temporary Cofferdam for Fier Construction (Angat Bridge Type 2) Temporary Cofferdam for Pier	each	0,00	10.1%	42.1%	47.8%		51.9%	2, 960, 000, 00	0, 00	0,00	0, 00	0.00	0.00	0, 00	1
SPL 420(6)c	Construction (Pampanga Bridge)	each	0.00	10.1%	40. 9%	49. 0%		51.9%	2, 410, 000, 00	0, 00	0, 00	0. 00	0, 00	0. 00	0.00	
SPL 420(6)d	Temporary Cofferdam for Pier Construction (Talavera Bridge)	each	0,00	8.8%	45, 4%	45, 8%	48. 5%	51.5%	L, 690, 000, 00	0. 00	0.00	0, 00	0, 00	0. 00	0, 00	.[
Part G	Drainage and Slope Protection Structures															
500(ľ) a3	RCPC Standard Strength (25MPa), \$\$\phi460mm (18")	m	0.00	19, 9%	50, 3%	29, 9%	46.8%	53. 2%	731.00	0, 00	0.00	0, 00	0, 00	0.00	0, 00	
500(I)a4	RCPC Standard Strength (25MPa), ¢610mm (24″)	•	0.00	17.7%	53. 8%	28, 6%	48. 3%	51.7%	1, 120, 00	0, 00	0.00	0, 00	0. 00	0, 00	0, 00	, ,
500(1)x5	RCPC Standard Strength (25MPa), φ760mm (30″)	m	0,00	17.0%	55, 6%	27.4%	48.8%	51.2%	l, 600. 00	0, 00	0.00	0,00	0, 00	0. 00	0, 00	
500(1)a6	RCPC Standard Strength (25MPa), ¢910mm (36″)	m	0.00	14.7%	55, 1%	30. 2%	50. 2%	49, 8%	2, 510. 00	0. 00	0, 00	0.00	0. 00	0. 00	0.00	
500(l) ₈ 7	RCPC Standard Strength (25MPa), & L070mm (42")	m	0, 00	14. 3%	56. 3%	29, 3%	50.5%	49. 5%	3, 210. 00	0.00	0, 00	0, 00	0.00	0. 00	0, 00	
500(1)a8	RCPC Standard Strength (25MPa), ± 1220mm (48")	ภ	0, 00	L3, 9%	57.3%	28. 8%	50.8%	49. 2%	3, 960, 00	0.00	0.00	0.00	0.00	0, 00	0.00	
500(1)a9	RCPC Standard Strength (25MPa), ± 1520mm (60")	R	0.00	13. 1%	57.7%	29. 2%	51.3%	48. 7%	5, BSO. 00	0, 00	0, 00	0, 00	0.00	0, 00	0, 00	
500(1)63	RCPC Standard Strength (32MPa), ϕ 460mm (18")	n	0.00	19, 7%	52. 9%	27.4%	47.3%	52. 7%	784, 00	0.00	0. 00	0, 00	0.00	0.00	0, 00	
500(l)b4	RCPC Standard Strength (32MPa), \$610mm (24")	۳.	0. 00	17. 5%	56, 1%	26, 5%	48, 7%	51.3%	t, 200. 00j	0, 00	0.00	0, 00	0. 00	0.00	0,00	{
500(L)b5	RCPC Standard Strength (32MPa), ϕ 760mma (36 ^{°°})	和	0.00	L6. 9%	57, 1%	25. 9%	49. 1%	50, 9%	L, 640. 00	0, 00	0.00	0,00	0.00	0.00	0, 00	
500(I)b6	RCPC Standard Strength (32MPa), ϕ 910mm (36*) RCPC Standard Strength (30MPa)	n	0, 00	14.7%	57.0%	28, 3%	50. 5%	49.5%	2, 660. 00	0. 00	0, 00	0.00	0, 00	0, 00	0.00	
500(l)b7	RCPC Standard Strength (32MPa), \$\overline 1070mm (42") RCPC Standard Strength (20MPa)	m	0.00	14.4%	57.8%	27.8%	50. 6 %	49. 4%	3, 300, 00	0.00	0.00	0, 00	0, 00	0, 00	0, 00	,
500(t)b8	RCPC Standard Strength (32MPa), ¢ 1220mm (48 [°]) RCPC Standard Strength (20MPa)	m	0.00	14.0%	59. 0%	27.0%	51.0%	49.0%	4, 170. 00	û, 00	0.00	0. 00	0. 00	0. 00	0, 00	
500(I)b9	RCPC Standard Strength (32MPa),	m	0.00	13. 2%	59, 4%	27.3%	51.5%	48. 5%	6, 150. 00	0, 00	0.00	0, 00	0, 00	0, 00	0, 00	1
500(1)c3	RCPC Extra Strength (32MPa), ¢460mm (187) RCPC Extra Strength (22MPa), ¢400mm	m	108.00	18.0%	55. 6%	26. 3%	48.4%	51.6%	952, 00	18, 557, 66	57, 170. 70	27, 087, 64	49, 758. 44	53, 057. 56	102, 816, 00	
500(I)c4	RCPC Extra Strength (32MPa), ¢610am (24″) RCPC Return Strength (ROMPa), ¢700-	m	0, 00	16, 5%	57. 5%	26.0%	49, 3%	50, 7%	1, 360. 00	0, 00	0, 00	0.00	0, 00	0. 00	0.00	1
500(l)c5	RCPC Extra Strength (32MPa), \$760mm (30") RCPC Extra Strength (30M), \$1615	m	0, 00	15, 9%	5 9. 0%	25. 0%	49, 8%	50, 2%	1, 960. QQ	0.00	0.00	0.00	0, 00	0.00	0, 00	,
500(I)c6	RCPC Extra Strength (32MPa), ¢910mm (36″)	m	ł, 359, 00	14. 1%	58, 6%	27.4%	50, 9%	49.1%	3, 160, 00	603, 902, 16	2, 514, 696, 50	1, 175, 841. 34	2, 187, 257. 10	2, 107, 182.90	4, 294, 440, 00)

Jtem No,	Description	Unit	Quantity		fer	ponent	Unit Ra: (%)	le	Total			Anor Component (PP)	Int		The set of	
			wantity	Lab,	Mat.	Equip.	For.	Local	(PP)	Labor	Materia]	Equipment (PP)	Foreign	Local	Total (PP)	Remarks
500(1)c7	RCPC Extra Strength (32NPa), ϕ 1070mm (42")	n.	328.00	13, 8%	60, 8%	25.4%	51.4%	48.6%	4, 570, 00	206, 719, 49	911, 200. 28	381, 040. 23	770, 023, 90	728, 936. 10	1, 498, 960, 00	,
500(1)cB	RCPC Extra Strength (32MPa), φ1220mm (48″)	n	534.00	13. 5%	60. 3%	26.2%	51.4%	48.6%	5, 000. 00	359, 153. 62	1, 610, 640, 85	700, 205. 53	1, 372, 326. 23	1, 297, 673, 77	2, 670, 000, 00	2
500(1)c9	RCPC Extra Strength (32MPa), ϕ 1520mm (60")	m	0, 00	12.9%	61.8%	25.4%	51.9%	48.1%	8, 450. 00	0, 00	0, 00	0, 00	0. 00	0. 00	0. 00	,
502(2)#1	Drop Inlet Manhole for RCPC 1-\$460 x 1-\$460	each	9, 00	31, 4%	59, 4%	9, 3%	33, 1%	66.9%	6, 120. 00	17, 268, 12	32, 705. 10	5, 106, 78	18, 232. 65	36, 847. 35	55, 080. 00)
502(2)a2	Urop Inlet Manhole for RCPC 1-\$610 x 1-\$460	each	0, 00	31.3%	59, 2%	9.5%	33. 0%	67.0%	7, 160. 00	0.00	0.00	0, 00	0, 00	· 0, 00	0,00	,
502 (2) a3	Drop Inlet Manholc for RCPC 1-∲760 x 1~∲460	each	0, 00	31.4%	58, 9%	9,7%	32.6%	67.4%	B, 550. 00	0.00	0.00	0.00	0, 00	0.00	0.00	J
502 (2) a4	Drop Inlet Manhole for RCPC 1-\$910 x 1-\$460	each	0, 00	31, 5%	58. 7%	9.8%	32.4%	67.6%	10, 200. 00	0.00	0. 00	0.00	0. 00	0, 00	0.00	
502 (2) a5	Drop Inlet Manhole for RCPC 1-01070 x 1-0460	each	0.00	31,6%	58, 5%	9,9%	32.2%	67, 8%	11, 400. 00	0.00	0.00	0, 00	0.00	0, 00	0.00	
502 (2) a6	Drop Inlet Manhole for RCPC 1-\$\phi1220 x 1~\$\phi460	each	D. 00	31.8%	58.2%	10.0%	. 31.8%	68, 2%	13, 200. 00	0.00	0, 00	. 0.00	0, 00	0.00	0, 00	,
502(2)a7	Drop Inlet Manhole for KCPC 1-φ1520 χ 1-φ460	each	0, 00	32. 0%	57.9%	10, 1%	31.5%	68, 5%	16, 500. 00	0. 00	0, 00	0.00.	0, 00	0.00	0, 00	
502(2)s12	Drop Inlet Menhole for RCPC 1-0610 x 1-0610	each	0, 00	31.1%	59. 2%	9.6%	33. 1%	66. 9%	7, 860. 00	0, 00	0. 00	0. 00	0.00	0, 00	0.00	
502(2)a13	Drop Inlet Manhole for RCPC 1- \$\phi760 x 1-\$\phi610	each	0. 00	31.2%	59 <i>.</i> 0%	9.9%	32.8%	67, 2%	9, 360. 00	0. 00	0. 00	0. 00	0. 00	0.00	0.00	/ ·
502 (2) a14	Drop Inlet Manhole for RCPC (- \$910 x 1-\$610	each	0. 00	31. 3%	58.7%	10.0%	32, 5%	67.5%	(1, 100. 00	0, OD	0. 00	0.00	0. 00	0, 00	0.00	,
502 (2) a15	Drop Inlet Manhole for RCPC (-φ1070 x 1-φ6ί0	each	0. 00	31.4%	58, 6%	10.0%	32. 4%	67.6%	12, 400. 00	0. 00	0.00	0, 00	0. 00	0, 00	0.00	,
502(2)a16	Drop Inlet Manhole for RCPC 1-φ1220 x 1-φ6t0	each	0.00	31, 5%	58, 3%	10. 2%	32. 1%	67.9%	14, 200, 00	0, 00	0.00	0, 00	0. 00	0.00.	0.00	,
502 (2) a t 7	Drop Inlet Manhole for RCPC 1-¢1520 x 1-¢610	each	0.00	31.7%	58. 0%	10, 3%	31.7%	68.3%	17, 700, 00	0. 00	0, 00	0, 00	0.00	0.00	0.00	,
502(2)a22	Orop Inlet Manhole for RCPC 2-6610 x 1-6610	each	0, 00	30, 4%	59. 4%	10.2%	33, 8%	66, 2%	11, 700. 00	0, 00	0, 00	0, 00	0. 00	0. 00	0.00	
502(2)a23	Drop Inlet Manhole for RCPC 2-¢760 x 1-¢610	each	0.00	30. 6%	59. 0%	10.4%	33. 3%	66. 7%	14, 600. 00	0, 00	0.00	0. 00	0.00	0. 00	0.00	1
502(2)a24	Drop Inlet Manhole for RCPC 2-∳910 x 1-∲610	each	0, 00,	30, 8%	58.8%	10.4%	33, 0%	67.0%	17, 900. 00	0, 00	0, 00	0. 00	0. 00	0. 00	0.00	
502 (2) a25	Drop Inter Manhole for RCPC 2-φ1070 x i-φ610	each	0, 00	30, 8%	58. 6%	10.5%	32. 8%	67. 2%	20, 700. 00	0.00	0,00	0,00	0, 00	0. 00	0, 00	
502(2)a26	Drop Inlet Manhole for RCPC 2-φ1220 x 1-φ610	each	0.00	31.1%	58, 3%	10.6%	32, 4%	67.6%	24, 300. 00	D , 00	0.00	0.00	0,00	0. 00	0,00	
502(2)a27	Orop Inlet Manhole for RCPC 2-∲1520 x 1-∲610	each	0.00	31.4%	57.9%	10.6%	32. 0%	68. 0%	31, 500. 00	0, 00	0.00	0, 00	0, 00	0.00	0, 00	,
502 (2) 61	Special Junction Box Manhole for RCPC 1-\$460 x 1-\$460	each	0, 00	33, 1%	60. 8%	6, 2%	33, 6%	66.4%	7, 660, 00	0.00	0, 00	0.00	0.00	0. 00	0.00	,
502(2)b2	Special Junction Box Manhole for RCPC 1-6610 x 1-6460	each	0, 00	32, 9%	60. 5%	6,5%	33, 5%	66. 5%	8, 790, 00	0.00	0.00	0.00	0. 00	0. 00	0,00	,
502(2)b3	Special Junction Box Manhole for RCPC 1-\$\phi760 x 1-\$\phi460	each	0.00	33, 0%	60. 1%	7,0%	33.0%	67.0%	10, 300. 00	0.00	0.00	0.00	0, 00	0. 00	. 0,00	1
502(2)64	Special Junction Box Manhole for RCPC 1-0910 x 1-0460	each	0.00	33, 0%	59.7%	7.3%	32, 7%	67.3%	12, 000, 00	0.00	0.00	0, 00	0. 00	0, 00	0.00	,
502 (2) 65	Special Junction Box Manhole for RCPC - 1-01070 x 1-0460	each	0.00	33. 1%	59, 4%	7.5%	32.4%	67.6%	13, 300. 00	0.00	0.00	0,00	0. 00	0.00	0.00	,
502(2)66	Special Junction Box Manhole for RCPC 1-01220 x 1-0460	each	0,00	33. 2%	59.0%	7.7%	32, 0%	68. 0%	15, 100. 00	0. 00	0. 00	0.00	0.00	0.00	0.00	,
502(2)b7	Special Junction Box Manhole for RCPC 1-01520 x 1-0460	each	0.00	27. 2%	64.5%	8. 3%	38. 9%	61, 1 %	27, 800.00	0. 00	0, 00	0.00	0, 00	0.00	0, 00	,
502 (2) b 1 2	Special Junction Box Manhole for RCPC 1-0610 x 1-0610	each	0. 00	32. 7%	60. 6%	6. 7%	33.6%	66, 4%	9, 610. 00	0, 00	0. 00	0, 00	0.00	0.00	0.00	
502 (2) bi 3	Special Junction Box Manhole for RCPC 1-φ760 x 1-φ610	each	0, 00	32.8%	60.1%	7.1%	33, 2%	66.8%	11, 200. 00	0, 00	0. 00	0.00	0.00	0, 00	0, 00	,
502(2)614	Special Junction Box Manhole for RCPC 1-\$910 x 1-\$610	each	0, 00	32. 9%	59. 7%	7.4%	32.8%	67.2%	13, 000, 00	0, 00	0. 00	0. 00	0. 00	0.00	0.00)

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Item No.	Description	Unit	Quantity	Lab.		ponent Equip.		Local	Total (PP)	Labor	Materia]	Component (PP) Equipment	Foreign	Local	Total (PP)	Remarks
502(2)b15	Special Junction Box Manhole for NCPC 1-01070 x 1-0610	each	0.00	32.8%	59, 5%			67.3%	14, 400. 00	0.00	0.00	0.00	0.00	0,00	0.00	
502 (2) 616	Special Junction Box Manhole for RCFC 1-01220 x 1-0610	еасл	0. 00	33.0%	59. t%	7,9%	32.2%	67 <i>.</i> 8%	16, 300. 00.	0.00	0.00	0, 00	0.00	0, 00	0, 00	
502 (2) bi 7	Special Junction Box Manhole for RCPC 1-01520 x 1-0610	each	0, 00	27.0%	64.6%	8.4%	39, 1%	60. 9%	29, 900. 00	0.00	Ø. OØ	0.00	0, 00	0, 00	0. 00	
502(2)b21	Special Junction Box Manhole for RCPC 2-\$460 x 1-\$460	each	0. 00	32.6%	60, 7%	6. 7%	33, 8%	66, 2 %	10, 200; 00	α, αο	0.00	0.00	0, 00	0, 00	0, 00	. (
502(2)b22	Special Junction Box Manhole for RCPC 2-6610 x 1-6460	cach	0, 00	32. 5%	60, 4%	7.0%	33. 7%	66. 3%	12, 400. 00	0.00	0.00	0.00	0, 00	0,00	0.00	
502 (2) b23	Special Junction Box Manhole for RCPC 2-4760 x 1-4460	each	0.00	32. 7%	59, 9%	7.1%	33. L%	66.9%	15, 100.00	U. 00	0, 00	0, 00	0.00	0.00	0, 00	
502 (2) b24	Special Junction Box Manhole for RCPC 2-0910 x 1-0460	each	0.00	32. 7%	59. 5%	7.6%	32. 7%	67.3%	18, 300. 00	0, 00	0.00	0.00	0.00	0.00	0, 00	1
502 (2) b25	Special Junction Box Manhole for RCPC 2-¢1070 x 1-¢460	each	0, 00	37.4%	54.7%	8.0%	27.0%	73.0%	16, 700, 00	0.00	. 0.00	0.00	0.00	0.00	0, 00	
502 (2) b26	Special Junction Box Manhole for RCPC 2-\$\$1220 x 1-\$\$460	each	0,00	33. 1%	58. 8%	8.1%	32. 0%	68.0%	24, 400. 00	0, 00	0.00	0.40	U. 00	0, 00	0, 00	
502(2)b27	Special Junction Box Manhole for RCPC 2~¢1520 x 1-¢460	each	0.00	27, 3%	64. 1%	8.6%	38, 7%	61.3%	46, 000. 00	0.00	0.00	0, 00	0.00	0.00	0, 00	
502 (2) b32	Special Junction Box Manhole for RCPC 2-\$610 x 1-\$610	each	0.00	32. 2%	60. 5%	7.3%	33, 9%	66. 1%	13, 400, 00	0, 00	0.00	0.00	0.00	0.00	0.00	4
502(2)633	Special Junction Box Manhole for RCPC 2-φ760 x 1-φ610	each	0.00	32. 3%	60, 0%	7.7%	.33, 4%	66, 6%	16, 300, 00	Ð. DO	0. 00	0.00	0.00	0.00	0, 00	1
502 (2) b34	Special Junction Box Manhole for RCPC 2-0910 x 1-0610	each	0.00	32.4%	59, 6%	8.0%	33. 0%	67.0%	19, 600. 00	0. 00	0.00	0.00	0. 00	0,00	0.00	.
502 (2) b35	Special Junction Bux Manhole for RCPC 2-01070 x 1-0610	each	0. 00	32.4%	59, 5%	8.2%	32. 9%	67.1%	22, 500. 00	0.00	Ø. 00	0.00	0.00	0, 00	0.00	
502(2)536	Special Junction Box Manhole for RCPC 2-61220 x 1-6610	each	0, 00	32.6%	59. 0%	8.4%	32.4%	67, 6%	26, 100, 00	0. 00	0.00	0.00	0, 00	0.00	0.00	
502(2)637	Special Junction Box Manhole for RCPC 2-\$1520 x 1-\$610	each	0.00	27.2%	64. 1%	8, 7%	38. 8%	61.2%	48, 300. 00	0.00	0.00	0, 00	0. 00	0,00	0.00	
502 (2) c t	Junction Box Converted to Curb Inlet Manhole for RCPC $1-\phi 460 \ge 1-\phi 460$	each	0.00	34.5%	52. 7%	L2.8%	32.0%	68.0%	3, 950. 00	0.00	0.00	0.00	0.00	0, 00	0.00	1
502 (2) c2	Junction Box Converted to Curh Inlet Manhole for RCPC 1-0610 x 1-0460	each	0, 00	34.2%	52. 7%	13.2%	32, 3%	67.7%	4, 340. 00	0, 00	0, 00	0.00	0, 00	0. 00	0, 00	
502(2)c3	Junction Box Converted to Curb Injet Nanhole for RCPC $1 - \phi 760 \times 1 - \phi 460$	each	0.00	34. 1%	52, 5%	13.4%	32, 3%	67.7%	4, 750. 00	0.00	Q. QQ	D. 00	0.00	0.00	0.00	1 1
502(2)c4	Junction Box Converted to Curb Inlet Manhole for RCPC 1-0910 x 1-0460	each	0.00	34.0%	52.4%	13.6%	32, 3%	67.7%	5, 120, 00	0.00	0, 00	D. 00	0.00	0.00	0.00	4
502(2)c5	Junction Bax Converted to Curb Inlet Manhole for RCPC $1-\phi 1070 \times 1-\phi 460$	each	0.00	33, 9%	52.3%	13. B%	32.4%	67.6%	5, 560, 00	0, 00	D, 00	0.00	0.00	0.00	0, 00	1 1
502 (2) c6	Junction Box Converted to Curb Inlet Manhole for RCPC 1-01220 x 1-0460	each	0.00	33. 8%	52, 2%	14.0%	32. 5%	67.5%	5, 950. 00	0.00	D. 00	0.00	0.00	0.00	0, 00	1
502 (2) c7	Junction Box Converted to Curb Inlet Manhole for RCPC $1 - \phi$ (520 x $1 - \phi$ 460) each	0,00	33. 7%	52.0%	14.3%	32.5%	67.5%	6, 740, 00	0,00	D. DO	0.00	0,00	0,00	0, 00	1
502(2)c12	Junction Box Converted to Curb Inlet Manhole for RCPC 1-0610 x 1-0610	each	û. QO	34. 0%	52.6%	13.4%	32. 3%	67. 7%	4, 770. 00	0.00	0.00	0. 00	0, 00	0, 00	0, 00	1
502(2)c13	Junction Box Converted to Curb Inlet Manhole for RCPC 1-0760 x 1-0610	each	0.00	33, 8%	52.4%	13.8%	32.5%	67.5%	5, 190. 00	0.00	V. DO	0. 90	0, 00	0, 00	0.00	1
502(2)c14	Junction Box Converted to Curb Inlet Manhole for RCPC 1-0910 x 1-0610	each	0.00	33, 8%	52, 3%	14.0%	32. 5%	67.5%	5, 620, 00	0.00	0, 00	0.00	0.00	U. 00	0, 00	1
502(2)c15	Junction Box Converted to Curb Inlet Manhole for RCPC $1-\phi 1070 \times 1-\phi 610$	each	0,00	33.6%	52.2%	14.2%	32, 6%	67.4%	6, 040, 00	0.00	0.00	0.00	0,00	0, 00	0.00	1
502(2)c16	Junction Box Converted to Curb Inlet Manhole for RCPC $1-\phi 1220 \times 1-\phi 610$	each	0.00	33, 5%	52. 1%	14, 3%	32.6%	67.4%	6, 500. 00	0.00	0.00	0.00	0.00	0, 00	0.00)
502(2)c17	Junction Box Converted to Curb Inlet Manhole For RCPC 1-01520 x 1-0510	each	0.00	33, 3%	52.0%	14.7%	32.8%	67.2%	7, 360, 00	0,00	0.00	0,00	0,00	0,00	0.00	4
502 (2) c21	Junction Box Converted to Curb Inlet Wanhole for RCPC 2-0460 x 1-0460	each	0, 00	33.9%	52.4%	13, 8%	32. 5%	67.5%	5, 380, 00	0,00	0.00	0.00	0.00	0.00	0, 00)
502 (2) c22	Junction Box Converted to Curb Inlet Manhole for RCPC 2-\$610 x 1-\$460	eachi	0,00	33. 8%	52.1%	14.1%	32. 5%	67, 5%	6, 280, 00	0, 00	0,00	0.00	0.00	0,00	0,00	,
502 (2) c23	Junction Box Converted to Curb Injet Manhole for RCPC 2-\$760 x 1-\$460	each	0. 00	33.6%	52. 0%	14.4%	32. 6%	67.4%	7, 190. 00	0, 00	0. 00	d. 00	0.00	0,00	0,00	J

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<u> </u>		r				1	Unit Rat	e				Атс	ount			<u> </u>
Item No.	Description	Unit	Quantity			ponent			Total			Component (PP)			Total	Remarks
	Junction Box Converted to Curb Inlet			Lah.	_Mat,		For.	Local	<u>(PP)</u>	Labor	Material	Equipment	<u>Foreign</u>	l.ocal	(<u>PP)</u>	
502 (2) c24	Manhole for RCPC 2-φ910 x 1-φ460	each	U. OO	33.6%	51.8%	14.6%	32, 6%	67.4%	8, 080. 00	0, 00	0, 00	0.00	0.00	0, 00	0.00	
502 (2) e25	Junction Box Converted to Curb Inlet Manhole for RCPC 2-@1070 x 1-@160	each	0, 00	33.4%	51.8%	14.7%	32, 7%	67.3%	9, 110.00	0.00	0.00	0.00	0.00	0.00	0, 00	r
502 (2) c26	Junction Box Converted to Curb Inlet Manhole for RCPC 2-61220 x 1-6460	each	0. 00	33. 4%	51.7%	I4. 9%	32. 7%	67, 3%	10, 000. 00	0.00	0,00	0.00	. 0, 00	0.00	0.00	
502(2)c27	Junction Box Converted to Curb Inlet Manhole for RCPC 2-01520 x 1-0460	each	0.00	33. 3%	51.6%	15.1%	32.7%	67.3%	11, 800. 00	0, 00	0.00	0. 00	0, 00	0. 00	0.00	i .
502(2)c32	Junction Box Converted to Curb Inlet Manhole for RCPC 2-0610 x 1-0610	each	0, 00	33. 5%	52, 0%	14.5%	32.7%	67. 3%	6, 870. 00	0, 00	0. 00	0. 00	0, 00	0. 00	0.00	
502 (2) c33	Junction Box Converted to Curb Inlet Manhole for RCPC $2-\phi760 \times 1-\phi610$	each	0.00	33, 3%	51.9%	14.8%	32, 8%	67.2%	7, 840, 00	0. 00	0.00	0, 00	0.00	0. 00	0.00	
502 (2) c34	Junction Box Converted to Curb Inlet Manhole for RCPC 2-0910 x 1-0610	each	0.00	33. 1%	51,8%	15.0%	32. 9%	67. 1%	8, 830. 00	0.00	0, 00	0.00	0.00	0. 00	0.00	-
502 (2) c35	Junction Box Converted to Curb Inlet Manhole for RCPC 2-01070 x 1-0610	each	0, 00	33. 1%	51.7%	15, 2%	32. 9%	67.1%	9, 910. 00	0, 00	0, 00	0.00	0.00	0, 00	0, 00	
502 (2) c36	Junction Box Converted to Curb Inlet Manhole for RCPC 2-01220 x 1-0610	each	0, 00	33, 0%	51.7%	15, 3%	33, 0%	67.0%	10, 900. 00	0. 00	0.00	0.00	0. 00	0.00	0, 00	
502(2)e37	Junction Box Converted to Curb Inlet Manbole for RCPC 2-01520 x 1-0610	each	0.00	32, 9%	51.6%	15.6%	33. 1%	66, 9%	12, 800, 60	0. 00	0.00	0.00	0, 00	0.00	0, 00	
502 (3) a l	Catch Basin for RCPC 1~ \$460mm	each	0, 00	27.0%	60.1%	12, 9%	35, 9%		11, 700. 00	0.00	0.00	0.00	0, 00	0.00	0.00	
502 (3) a2 502 (3) a3	Catch Basin for RCPC 1-\$610mm	esch	0.00	27.0%	60, 1%	12.9%	35.8%	64.2%	14, 300. 00	0.00	0.00	0.00	0.00	0.00	0, 00	
502 (3) a3	Catch Basin for RCPC 1-0760mm	each	0.00	27.0%	60, 0%	13.0%	35.8%		17,000.00	0, 00	0.00	0, 00	0.00	0, 00	0, 00	
	Catch Basin for RCPC 1-0910mm	each	0.00	27.0%	60, 0%	13.0%	35.8%		19, 900, 001	0, 00	0.00	0.00	0,00	0, 00	0.00	
502 (3) a5	Catch Basin for RCPC 1- # 1070mm	each	0,00	27.0%	60. 0%	13.0%	35.8%	64.2%	23, 200, 00	0.00	0.00	0, 00	0.00	0, 00	0.00	
502(3)a6	Catch Basin for RCPC 1-01220mm	each	0.00	27,0%	60, 0%	13,0%	35, 8%	64. 2%	26, 600, 00	0, 00	0.00	0.00	0,00	0.00]	0,00	1
502(3)a7	Catch Basin for RCPC 1- # 1520mm	each	0.00	27.0%	60, 0%	13.0%	35.8%	64.2%	34, 000, 00	0.00	0,00	0,00	0.00	0.00	0.00	
502(3)b1	Catch Basin for RCPC 2-#460mm	each	0.00	26.2%	60.5%	13.3%	36, 6%	63.4%	16, 200, 00	0.00	0,00	0.00	0.00	0.00	0.00	
502(3)b2	Catch Basin for RCPC 2-6610mm	each	0.00	26.1%	60, 5%	13.4%	36, 7%	63, 3%	20, 800, 00	0.00	0.00	0,00	0.00	0.00	0.00	
502(3)b3	Catch Basin for RCPC 2-φ760mm	each	0.00	25.9%	60.6%	13.5%	36, 9%	63. 1%	25, 700, 00	0.00	0,00	0.00	0.00	0,00	0, 00	
502(3)b4	Catch Basin for RCPC 2-6910mm	each	0,00	25.9%	60.6%	13.6%	36.9%	63, 1%	31,000,00	0.00	0, 00	0,00				
502(3)b5	Catch Basin for RCPC 2-¢1070mm	each	0, 00	25.8%	60.6%	13.6%	37.0%	63.0%					0.00	0.00	0.00	
502(3)66	Catch Basin for RCPC 2- 01220mm	each							37, 100, 00	0.00	0, 00	0,00	0.00	0, 00	0.00	
			0.00	25.7%	60, 7%	13.6%	37.1%		43, 400. 00	0.00	0.00	0.00	U. 00	0, 00	0,00	
502(3)b7 502(4)a1	Catch Basin for RCPC 2-¢1520mm U-shaped Concrete Ditch W=0.50m x	each	0, 00	25.6%	60. 7%	13, 7%	37, 1%	62. 9%	57, 300, 00	0.00	0, 00	0.00	0.00	U, 00	0.00	
	H=0.50m U-shaped Concrete Ditch W=0.75m x	n,	660.00	28.1%	58. 1%	13,9%	34.6%		1, 360, 00	252, 032. 84	521, 212, 05	124, 355, 11	310, 829, 39	586, 770, 61	897, 600, 00	
502 (4) a2	H=0.50m U-shaped Concrete Ditch ₩=0.30m x	m	0. 00	26.6%	58, 8%	14.7%	36. 2%		1, 480, 00	0.00	0.00	0.00	0.00	0.00	0.00	
502 (4) a3	11=0.30m 10-shaped Concrete Ditch with Grating	m	0, 00	27.3%	58.7%	14.0%	35, 6%	64.4%	941.00	0.00	0, 00	0,00	0.00	0, 00	0.00	
502 (4) bl	Cover, W=0.30m x H=0.30m U~shaped Concrete Ditch with Grating	n	0, 00	22.0%	68, 4%	9,6%	43.8%	56.2%	1, 490. 00	0, 00	0,00	0.00	0.00	0.00	0.00	
502 (4) b2 502 (6) a	Cover, W=0.50m x H=0.50m	n .	. 0,00	21.7%	69.0%	9, 3%	44.3%	55.7%	2, 050. 00	0, 00	0, 00	0. 90	0, 00	0.00	0, 00	
502 (6) b	V-shaped Lined Ditch H=500mm, 1:1.50 V-shaped Lined Ditch H=500mm, 1:1.00	m	0,00 0,00	29. 8% 29. 8%	48.8% 48.8%	21.3% 21.3%	39, 9% 39, 9%	60.1% 60.1%	384.00 359.00	0, 00 0, 00	0, 00 0, 00	0.00 0.00	0,00 0,00	0.00 0.00	0.00 0.00	
502(7)a	Trapezoidal Lined Ditch B=450mm, H=500mm, 1:1.00	m	l, 772.00	29, 8%	48, 8%	21.3%	39, 9%	60, 1%	265. 00	140, 152. 37	229, 238. 29	100, 189, 34	187, 153. 15	282, 426. 85	469, 580, 00	
502(7)b	Trapezoidal Lined Ditch B≠1000mm, H=500mm, 1:1.00	n	0,00	29.8%	18, 8%	21.3%	39. 9%	60. 1%	374.00	0. 00	U. 00	0.00	0.00	a. vo	0, 00	
503(3)a	Cleaning Culvert in Place, ¢910mm or less	m	0, 00	64. 1%	5. 7%	30, 0%	20, 0%	80.0%	24.60	0.00	0.00	0.00	0,00	0. 00	0, 00	
503 (3) b	Cleaning Culvert in Place, more than #910mm	4D	0.00	57.0%	7.3%	35.7%	24.1%	75, 9%	34.30	0, 00	0.00	0.00	. 0,00	0.00	0.00	
503(4)7	Cleaning Reconditioning of RCBC, Single Barrel	m	0, 00	45.6%	9, 9%	41.6%	30.6%	69. 4%	48.80	0.00	0, 00	0.00	0.00	0. 00	0.00	
503 (4) b	Cleaning Reconditioning of RCBC, Double Barrel	m	0, 00	37, 3%	11.7%	51.0%	35. 2%	64.8%	68. 40	0.00	0.00	0, 00	0.00	0. 00	0, 00	
503 (4) e	Cleaning Reconditioning of RCBC, Triple Barrel	n	0.00	29. 2%	13.5%	57.3%	39. 8%	60.2%	102.00	0.00	0.00	0.00	0.00	0.00	0.00	
504 (5)	Grouted Riprap Class A (slope protection)	m3	4, 270. 00	t 5. 9%	58, 5%	25.6%	47.8%	52.2%	818. 00	554, 042. 12	2, 042, 979. 76	895, 838, 12	1, 668, 182. 09	1, 824, 677. 91	3, 492, 860. 00	
505(1)	Stone Masonry Retaining Wall	m3	0.00	15, 2%	64.2%	20.6%	18, 7%	51.3%	1, 110, 00	0.00	0.00	0.00	0, 00	0.00	0,00	1
						20. 2/4		01.04	1, 110, 001	0.00	0.00	0.00	0, 00	<i>u</i> . 00]	U, UU	1

7 h			Quant in				Jnit Rat	e	Tatal			Anou	int		Total	Romant
Item No.	Description	Unit	Quantity	Lab.		ponent Eguip,	36) For.	Local	Tota] (PP)	Labor	Material	<u>Component (PP)</u> Equipment	Foreign	Local	Total (PP)	Remark
506(1)	Hand-Laid Rock Apron (Loose Boulder Apron)	Em .	121,00	8. 5%	13.2%	78.3%	48, 6%	51.4%	469, 00	4, 843. 77	7, 485. 44	44, 419, 79	27, 586. 93	29, 162, 07	56, 749. 00	
507 (2) a	Steel Sheet Piles (76x457x4mm), furnished & driven	m	0.00	2.3%	79. 3%	18.1%	65. 3%	34, 7%	713.00	0.00	0.00	0, 00	0.00	0, 00	0, 00	
507 (2) b	Steel Sheet Piles (400x85x8mm), furnished & driven	14	819,00	L. 5%	88. 0%	10.5%	67, 3%	32.7%	1, 350, 00	16, 483, 86	972, 654, 31	116, 511, 83	743, 686, 04	361, 963. 96	1, 105, 650, 00	
509(1)	Gabions	m3	352.00	14. 7%	52.0%	33.3%	37.4%	62, 6%	1, 840, 00	95, 307. 25	336, 704. 69	215, 668, 06	242, 542, 61	405, 137, 39	647, 680, 00	
509 (2)	Gabion Mattress t=300mm	#3	0.00	9.0%	70, 7%	20.3%	32.9%	67.1%	3,020,00	0,00 0,00	0.00	0,00 0,00	0,00 0,00	0.00	0,00 0,00	
509(3) 510(1)	Filter Cloth Rubble Concrete Slope Protection	m2 m3	0.00 108.00	2.1% 7.1%	96, 2% 55, 9%	1.8% 37.0%	58.6% 52.4%	41.4% 47.6%	91.70. 1,360.00	10, 395. 01	0, 00 82, 107, 56	54, 377, 43	76, 974. 69	0, 00 69, 905, 31	146, 880, 00	
Part H	Miscellaneous Structures															
600(1)я 600(1)Ъ	Concrete Curb, Type A (200x450mm) Concrete Curb, Type B (175x318mm)	m m	0.00	39.8% 41.5%	53, 1% 52, 0%	7.1% 6.5%	22.9% 21.2%	77.1% 78.8%	349.00 232.00	0.00	0.00 0.00	0, 00 0, 00	0, 00: 0, 00	0.00 0.00	0.00 0.00	
600(3)a	Combination Concrete Curb & Gutter/Side		2, 086, 00	31.3%	58.8%	9.9%	31.9%	68.1%	414,00	270, 540, 42	507, 693, 99	85, 369, 59	275, 548, 16	588, 055, 84	863, 604, 00	
600(3)a	Strip, Type A (675x364mm) Combination Concrete Curb & Gutter/Side	re m	2, 088, 00	30.8%	59, 1%	9. 970 10. 1%	32.5%	67.5%	391.00	210, 310, 42	0,00	65, 369, 59	0.00	0.00	003, 004, 00	1
	Strip, Type B (675x334mm) Combination Concrete Curb & Gulter,				- 1											
600(3)c	Туре С (475х334mm)	m	0,00	34.0%	57, 0%	9.0%	29.1%	70.9%	358, 00	0.00	0,00	0,00	0,00	0.00	0,00	
601(1) 602(1)	PCC Pavement for Sidewalk (t=100mm) Right-of-Way Monuments	m2 cach	0.00 519.00	17.8% 46,0%	62, 2% 46, 5%	13.5% 7.5%	15. 3% 22, 7%	48.2% 77.3%	475.00 352.00	0.00 84,049.43	0.00 85,025.91	0, 00 13, 612, 66	0, 00) 41, 473, 76	0.00 141, 214, 24	0.00 182,688.00	
602(2)	Maintenance Marker Posts for Drainage Structure	cach	(32, 00	52. 1%	35.4%	(2.2%	22. 3%	77.7%	823.00	56, 962. 13	38, 459, 26	13, 214, 61	24, 239, 31	81, 396. 69	108, 636. 00	
602(3)	Kilometer Post	each	9.00	44.3%	47.5%	8.2%	24,6%	75, 1%	1, 230, 00	4, 901, 29	5, 257, 33	911, 38	2, 720, 55	8, 349, 45	. 11,070.00	4
603 (3) a	Metal Guardrails (Netal Beam) Type A (Embedded in Soil)	m	2, 267, 00	16.4%	71.6%	12.0%	53.7%	46. 3%	993, 00	369, 14 t. 73	1, 612, 114. 39	269, 874. 88	1, 209, 261. 34	1, 041, 869, 66	2, 251, 131, 00	
603 (3) b	Metal Guardrails (Metal Beam) Type B (Embedded in Concrete)	m .	0.00	15.0%	70, 7%	14.3%	54.2%	45, 8%	801.00	0, 00	Ø. OD	0, 00	0.00	0, 00	0.00	1
604(1) 604(2)	Fencing (Barbed Wirc) Fencing (Chain Link Fence Fabric)	19 19	0.00 0.00	24.8% 14.6%	72, 5% 73, 2%	2.7% 12.2%	11.4% 54.5%	88.6% 45.5%	203, 00 1, 100, 00	0.00 0.00	0.00 0.00	0, 00 0, 00	0, 00 0, 00	0.00 0.00	0.00 0.00	
604 (3)	Fencing (Chain Link Fence Fabric on Bridge Railing)	m	0, 00	14.7%	73, 9%	11.4%	55.0%	45.0%	977.00	0, 00	0,00	0, 00	0.00	0.00	0,00	
605(I)a	Warning Signs (Triangular 900mm)	each	25, 00	8.3%	90, 3%	1.4%	57.6%	42. 4%	6, 960. 00	14, 436, 96	157, 120, 78	2, 442. 27	100, 165. 20	73, 834. 80	174, 000, 00)
605(1)b	Warning Signs (Circular @ 900mm)	each	0.00	5.3%	93.6%	1.1%	60.2%	39.8%	10, 900, 00	0,00	0,00	0.00	0.00	0.00	0.00	
605 (2) а 605 (2) ь	Regulatory Signs (Triangular 1039mm) Regulatory Signs (Octagonal 600mma)	each each	1.00 4.00	6.7% 9.4%	92.1% 89.1%	1.2%	59.0% 56.7%	41.0%	8, 620, 00 6, 170, 00	577.88 2,312.08	7, 935, 35 21, 994, 15	106.77	5,081.85 13,984.24	3, 538, 15 (0, 695, 76	8,620,00 24,680,00	
605(2)c	Regulatory Signs (Circular \$600mm)	each	ł1. 00	9, 7%	88.8%	1.5%	56,4%	43.6%	5, 960, 00	6, 357, 34	58, 187, 44	1,015.22	36, 958, 21	28, 601, 79	65, 560, 00	
605 (2) d	Regulatory Signs (Rectangular 450mmx750mm)	each	7.00	8, 5%	90, 0%	1.4%	57.4%	42. 6%	6, 770, 00	4, 042, 75	42, 670. 61	676. 63	27, 185, 80	20, 204, 20	47, 390. 00	D
605 (3) a	Informatory Signs (Rectangular 0.75mx1.00m, single post)	each	0. 00	4,6%	94, 4%	1.0%	60.8%	39. 2%	12, 600. 00	0, 00	0.00	0.00	0, 00	0 , 00	0.00	Ŋ
605(3)b	Informatory Signs (Type A, double post)	each	0.00	6.5%	92, 3%	1.3%	59. 1%	40. 9%	16, 700. 00	0, 00	0. 00	0.00	0, 00	0.00	0.00	
605 (3) c 605 (3) d	Informatory Signs (Type B, double post) (Informatory Signs (Type C, double post)	each each	4.00 3.00	2.2% 1.7%	97.0% 97.6%	0.8% 0.7%	62, 6% 63, 1%	37.4% 36.9%	49, 200, 00 79, 200, 00	4, 315, 39 3, 955, 49	190, 937, 19 231, 878, 37	1, 547. 42 1, 766. 14	123, 253, 51 150, 037, 87	73, 546, 49 87, 562, 13	196, 800, 00 237, 600, 00	
605(3)e	Informatory Signs (Type D, double post)	each each	0,00	1, 5%	97.8%	D. 7%	63, 2%		111, 000, 00	a, 995, 49 0. 00	231, 878, 37	0.00	130, 037, 87	0,00	237, 600, 60	
605 (3) f	Informatory Signs (Type E, triple post)	each	0.00	2.6%	96.6%	0.8%	61.9%	38.1%	59, 600, 00	0.00	0, 00	0.00	0.00	0,00	0.00	
605 (3) g	Informatory Signs (Type F, triple post)	each	0.00	1.7%	97.5%	0,8%	62, 9%	37.1%	109,000.00	0.00	0.00	0.00	0.00	0,00	0.00 D	
605(3)h 605(4)a	Informatory Signs (Type G. triple post) Special Signs (750x600mm)	each each	0.00 0.00	1,4% 7.8%	97.9% 91.0%	0.7% 1.3%	63, 2% 58, 3%	36,8% 41.7%	176, 000, 00 8, 360, 00	0.00 0.00	0.00 0.00	0.00	0, 00 0, 00	0, 00 0, 00	0.00 0.00	
605(4)b	Special Signs (600x880mm)	each	0,00	6.8%	92.0%	1.2%	59.0%		9, 530, 00	0,00	0, 00	0.00	0.00	0.00	0.00	
605 (4) c	Special Signs (900x550mm)	each	0, 00	7.3%	91.5%	1.2%	58.7%	41.3%	8, 970, 00	0, 00	0.00	0.00	0.00	0.00	0. 00	
605 (4) d	Special Signs (850x750mm) Reflectorized Pavement Studs (Raised	each	0, 00	5.9%	93. 0%	1.1%	59, 8%	40.2%	11, 000. 00	0.00	0.00	0.00	0.00	0,00	0, 00	1
607 (2) A	Profile Type, one face reflective) Reflectorized Pavement Studs (Raised	each	0, 00	4.5%	94.1%	1.5%	57.2%	42.8%	774. 00	0.00	0.00	0.00	0.00	0. 00	0, 00	
607 (2) b	Profile Type, two faces reflective)	each	0, 00	4.1%	94. 4%	1.5%	57.2%	42.8%	835.00	0, 00	0.00	0.00	0.00	0.00	0.00	2
607 (3)	Chatter Bars (one side reflective)	each	D. 00	1.9%	96. 7%	1.5%	58.6%	41.4%	1, 830. 00	0, 00	0.00	0, 00	0. 00	0.00	0.00	p
608(1)	Furnishing and Placing Top Soil for Plantation	m3	21, 796. 00	26.1%	18,0%	56. 0%	38, 1%	61.9%	304, 00	l, 727, 014. Ol	1, 190, 237. 33	3, 708, 732. 66	2, 526, 880, 61	4, 099, 103, 39	6, 625, 984. 00	0
610(1)	Sodding	m2	113, 031. 00	42.7%	55, 4%	1.9%	5.7%	94.3%	-55, 00	2, 654, 953. 52	3, 442, 199. 46	119, 552. 02	352, 137, 34	5, 864, 567, 66	6, 216, 705, 00	D
611(1)a	Trees (Furnishing and Transplanting) Low Tree H≦1.5m	each	0, 00	11.6%	82, 0%	6.4%	10.3%	89. 7%	268. 00	0.00	0.00	0.00	0, 00	0,00	0.00	0

3-10/12

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Etem No,	Description	Unit	Quantity	Lab.	Com Mat.	ponent Equip.		Loca)	Total (PP)	Labor	Material	Component (PP) Equipment	Foreign	Local	Total (PP)	Remarks
611(1)5	Trees (Furnishing and Transplanting) Medium Tree 1,5m≤H≦3.0m	each	0, 00	11.3%	83, 4%	5. 3%	9.6%	90.4%	614,00	0.00	0.00	0, 00	0.00	0.00	0, 00	
611(i)c	Trees (Purnishing and Transplanting) High Tree (young tree) 1.5m≤H≦3.0m	each	902, 00	17.1%	77.8%	5, 2%	9.1%	90. 9%	1, 100.00	169, 282. 04	771, 796. 98	51, 120, 98	90, 267. 48	901, 932. 52	992, 200, 00	
fili(2)a	Trees (Transplanting) Low Tree N≦1.5m	each	0,00	53.1%	8.4%	29.3%	21.4%	69.5%	58, 60	0.00	0.00	0.00	0.00	Ø. ØQ	0.00	1
611(2)Ь	Trees (Transplanting) Medium Tree 1.5m <h≦3.0m< td=""><td>each</td><td>0.00</td><td>56.8%</td><td>7.6%</td><td>26.5%</td><td>19.3%</td><td>71.6%</td><td>122.00</td><td>0.00</td><td>0.00</td><td>0. 00</td><td>0, 00</td><td>Ø. 90</td><td>0.00</td><td>1</td></h≦3.0m<>	each	0.00	56.8%	7.6%	26.5%	19.3%	71.6%	122.00	0.00	0.00	0. 00	0, 00	Ø. 90	0.00	1
61 t (2) e	Trees (Transplanting) High Tree (young tree) 1.5m≺H≦3.0m	each	0, 00	65.5%	5.7%	19.8%	11.4%	76.5%	286, 00	0, 00	0.00	0, 00	0.00	0.00	0.00	ŀ
611 (3) a	Planter Box of CHB (1.00m x 1.00m) for Road Side Plantation	each	0.00	37.0%	57, 7%	5, 3%	24. 8%	75. 2%	1, 570. 00	0, 00	0.00	0.00	0.00	0. 00	0.00	1
611(3)Ъ	Planter Box of CHB (3.00m x 1.00m) for Road Side Plantation	each	0.00	34.2%	60.4%	5.4%	25. 9%	74.1%	3, 730. 00	0, 00	0.00	0.00	0.00	0.00	0.00	
611(4)a	Planter Square Type A (L.13mx1.13m) for Road Side Plantation	each	0, 00	47, 5%	36. 4%	16, 1%	30. 4%	69. 6%	933.00	0, 00	a. 00	0.00	0.00	0.00	0.00	
61t(4)b	Planter Square Type B (0.68mx1.70m) for Road Side Plantation	each	D. DO	51.3%	32.8%	15,9%	27.5%	72. 5%	389.00	0.00	Ø. 00	Ð. 00	0.00	0.00	0, 00	Ì
612(1)a	Reflectorized Thermoplastic Pavement Markings (White)	m2	3, 331. 00	4.8%	87.2%	8.0%	60, 8%	39. 2%	452.00	71, 998, 98	1, 313, 114. 01	120, 499. 01	915, 184. 01	590, 427. 99	1, 505, 612, 00	
612(I)b	Reflectorized Thermoplastic Pavement Markings (Yellow)	m2	142.00	4. 7%	87.5%	7.8%	60, 9%	39.1%	464. 00	3, 070, 28	57, 666. 29	5, 151, 43	40, 114, 42	25, 773. 58	65, 888, 00	
SPL 612(2)	Removal of Existing Thermoplestic Pavement Markings	m2	0, 00	95, 7%	1.9%	2, 4%	2.4%	97.6%	71. 90	0. 00	Ø. 00	0, 00	0, 00	0. 00	0.00	ľ
615(1)a	Belineator (ground standing type)	each	0,00	2.3%	97.7%	0.0%	58.6%	41.4%	1, 480, 00	0.00	0.00	0.00	0.00	0.00	0, 00	
615(1)b 615(2)a	Delineator (attached on guardrail) Curve Mirror 1-0600	each each	0,00 0,00	2.2% 6.3%	97, 8% 92, 3%	0.0%	58.7% 55.5%	41.3% 44.5%	577.00 13,900.00	0.00	0.00 0.00	0, 00 0, 00	0,00 0,00	0,00	0, 00 0, 00	
615(2)b	Curve Mirror 2~0600	each	0.00	2, 7%	96.3%	1.0%		41.7%	24, 600, 00	0.00	0.00	0.00	0.00	0.00	0.00	
615 (3)	Dustproof Concrete Paving for Median	m2	0.00	17.5%	60.1%	22.4%		52.8%	132.00	0.00	0, 00	0.00	0.00	0.00	0.00	
SPL 620(1)a	Traffic Signal Pole Type A (Mast Arm Post H=6.7m)	each	0, 00	10.9%	65. t%	24.0%	53.8%	46. 2%	40, 600. 00	0.00	g. 00	U. UO	U, DO	0, 00	0.00	1
SPL 620(1)b	Traffic Signal Pole Type A (Mast Arm Post H=6.0m)	each	4. 00	11.6%	65,0%	23.4%	53.0%	47.0%	42, 300, 00	19, 697, 20	109, 928, 48	39, 574, 32	89, 696. 69	79, 503. 31	169, 200, 00	
SPL 620(1)e	Traffic Signal Pole Type B (¢114.3mm x 4.2m)	each	6, 00	14.7%	56, 9%	28; 3%	48.8%	51.2%	21, 300. 00	18, 797. 76	72, 778, 92	36, 223, 32	62, 344, 78	65, 455. 22	127, 800, 00	ł
SPL 620(1)d	Traffic Signal Pole Type C (фlt4.3mm x 3.4m)	each	9, 00	15.4%	56.7%	27,8%	47.9%	52. 1%	21, 900. 00	30, 395, 92	111, 832, 36	54, 871, 72	94, 482, 89	102, 617, 11	197, 100, 00	
SPL 620(1)e	Traffic Signal Pole Type D (¢114.3mm x 3.0m)	each	2.00	14.8%	56.4%	28, 8%	48, 8%	5l.2%)	(9, 200, 00	5, 667. 77	21, 675. 93	(1, 056, 31	18, 758, 00	19, 642. 00	38, 400. 00	
SPL 620(2)a	Traffic Signal Lamps Type Λ (6 vehicle]amps)	each	3.00	1.1%	97, 0%	2, 6%	54.8%	45.2%	194, 000, 00	6, 122, 02	564, 298. 41	11, 579, 57	318, 785, 56	263, 214, 44	582, 000, 00	
SPI, 620(2)b	Traffic Signal Lamps Type B (3 vehicle lamps)	each	20, 00	1.2%	96.4%	2.4%	54. 7%	45.3%	105, 000. 00	25, 268. 54	2, 024, 099, 36	50, 632, 10	1, 148, 818, 33	951, 181. 67	2, 100, 000. 00	
SPI. 620(2)c	Traffic Signal Lamps Type C (2 pedestrian lamps)	each	10.00	1.6%	94, 7%	3.7%		45. 5%	50, 600, 00	7, 870, 44	479, 190. 82	18, 938. 74	276, 006. 10	229, 993. 90	506, 000, 00	
SPL 620(4)a		each	1.00	10.6%	69,0%	20.4%		47.0%	48, 200, 00	5, 107. 80	33, 248, 33	9, 843. B7	25, 564, 50	22, 635. 50	48, 200, 00	
SPL 620(4)b	Street Lighting Poles (double lamp) Bridge Lighting Poles (single lamp)	each each	38.00 0.00		72.0% 72.2%	18.9% 18.9%		46, 0% 44, 2%	60, 100, 00	208, 512, 13	1, 643, 635. 37	431,652.50	1, 233, 312, 26	1,050,487.74	2, 283, 800, 00	
SPL 620(4)d		each	2.00		80.8%	10.7%	50.3%	41.276	33,800,00 49,200.00	0, 00 8, 338, 30	0,00 79,523.09	0.00 10, 538, 62	0.00 49,533,93	0, 00 48, 866, 07	0.00 98,400.00	
SPL 620(4)e	F)uorescent Lighting for Underpass Culvert	each	0.00		92.6%	1.8%	54.2%	45.8%	49, 202, 00 923, 00	0, 338, 30	0.00	0.00	45, 555, 55	0, 00	93, 400, 00 0. 00	
SFL 620(5)a	Relocation of Street Lighting Poles (Single Lamp)	each	0.00	21.2%	49, 7%	29.1%	43.9%	56, 1%	10, 900, 00	0.00	0.00	0, 00	0. 00	0.00	0, 00	
SPL 620(5)b	Relocation of Street Lighting Poles (Dual Lamp)		0, 00	22, 6%	48.7%	28, 6%	43.0%	57.0%	11, 100.00	0.00	0.00	0, 00	Ŭ. 00	0, 00	0.00	1
SPL 620(6)	Toll Gate Facilities	L. S.	0.00	6.3%	72.6%	21, 1%	77.4%	22.6%	86, 500, 000. 00	0.00	0.00	0, 00	0,00	0, 00	0, 00	
Part X SPL 800	Mobilization and Demobilization Mobilization and Demobilization	L. S,	1.00	9, 6%	38. 1%	52, 2%	47, 9%	52. 1%	1, 170, 000. 00	112, 724, 53	446, 322. 55	610, 952, 91	560, 431, 81	609, 568, 19	1, 170, 000. 00	
Part X	Provisional Sum Provisional Sum for Traffic Management															
SPL 900(I)	during Construction Provisional Sum for Relocation of	L, S.	1.00		6.2%	37.6%	24.2%		976, 000. 00	549, 202. 95	60, 280. 27	366, 516. 78	236, 351. 70	739, 648. 30	976, 000, 00	1
SPL 900(2)	Existing Utilities	L. S.	1.00	16, 9%	44.3%	38.7%	48.2%	51.8%	1, 150, 000. 00	194, 813. 81	509, 800. 07	445, 386, 12	553, 985, 42	596, 014, 58	1, 150, 000. 00]

		Т	Quantity				Unit Rat	.e		Amount						
Item No.	Description	Unit				iponen t			Total	Component (PP)						Remark
				Lab.	Mat.	Equip.	For.	Local	<u>(PP)</u>	Labor	Material	Équipment	Foreign	Local	<u>(PP)</u>	
51 90000 1	Provisional Sum for Geotechnical Investigation	L, S.	ι. 00	22. 3%	10, 5%	67.2%	46. 7%	59. 3%	752, 000, 00	167, 888. 20	78, 835. 57	505, 276, 24	350, 933, 33	401, 066. 67	752, 000. 00	J.
	Provisional Sum for Maintenance and Repair of Existing Access Road	1. S.	1, 00	20.3%	16.6%	63.1%	41.6%	58. 1%	413, 000, 00	83, 970, 94	68, 607, 76	260, 421. 30	171, 959, 18	211, 010. 82	413, 000, 00	r]
5rt 900(5)	Provisional Sum for Environmental Compliance Requirements	L. S.	1, 00	50, 2%	19. 0%	0, 8%	0. 8%	99, 2%	922, 000. 00	462, 690, 99	452, 077. 64	7, 231. 37	7, 231, 37	914, 768, 63	922, 000, 00	1
SLT 300(0)	Provisional Sum for Health and Safety Requirements	L. S.	1, 00	10.0%	55, 0%	35. 0%	40. 0%	60. 0%	647, 000, 00	61, 700, 00	355, 850. 00	226, 450, 00	258, 800. 00	388, 200, 00	647, 000. 00	ļ
SPL 900(7)	Provisional Sum for Overseas Development Assistance (ODA)	I. S.	1,00	2.3%	95,0%			37.2%	191, 000. 00	4, 429. 20	181, 515, 21	5, 055. 59	119, 980, 75	71,019.25	191, 000, 00	,
SPL 900(8)	Provisional Sum for Contingency	ե. Տ.	1,00	15.0%	45.0%	40.0%	50, 0%	50.0%	1, 900, 000. 00	285, 000, 00	855, 000, 00	760, 000, 00	950, 000, 00	950, 000. 00	1, 900, 000. 00	,
	Total									39, 628, 689, 82	129, 567, 550. 13	209, 021, 292, 75	184, 787, 826, 64	193, 429, 706. 06	378, 217, 532, 70	, ,
	Component									10, 5%	34. 3%	55, 3%	48, 9%	51. 1%	100.0%	į.

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