

Bar Schedule

Element	Bar Number	Shape	Dia (mm)	Length Ft - in	SPACING (MM)	Total Bars
BRIDGE GIRDER	01		25	47.5		24
	02		20	47.33		24
	03		25	39.2		24
	04		25	27.5		24
	05		12	45		36
	06		10	6.1		720
	07		16	4.2		360
	08		36	5.0		12

Element	Bar Number	Shape	Dia (mm)	Dia (in)	Length Ft - in	SPACING (mm)(in)	Total Bars
BRIDGE ABUTMENT & FOUNDATION	01		20	3/4	12.5	200(8")	200
	02		16	5/8	10.69	200(8")	56
	02A		16	5/8	20	200(8")	56
	03		12	1/2	3.21	900(36")	60
	04		20	3/4	6.67	150(6")	232
	05		20	3/4	12.75	150(6")	232
	06		16	5/8	11.33	200(8")	68
	06A		16	5/8	20	200(8")	68
	07		16	5/8	12.23	300(12")	60
	08		16	5/8	8.01	300(12")	60
	09		10	3/8	8.75	150(6")	116
	10		16	5/8	11.33		20
	10A		16	5/8	20		20
	11		12	1/2	11.33	250(10")	20
DIAPHRAGM	11A		12	1/2	20	250(10")	20
	12		10	3/8	1.67	300(12")	58
	13		10	3/8	2.125	450(18")	240
	14		25	1	3.3125		12
	01		16	5/8	4.0		80
	02		10	3/8	6.5	200(8")	70

- NOTES:**
- 1) Do not Scale drawings.
 - 2) All dimension to be check on site.
 - 3) This drawing is to be read with conjunction with all other structural and mechanical services drawing.
 - 4) GEOTEXTILES MATERIALS:
Geotextiles for placement behind retaining walls and for protection of coastal fills and causeway fills shall be non woven needle punched polyester fabric. The fabric shall meet the following specification;

Weight > 0.6kg/sqm.
Effective opening Size < 0.08 mm
Permeability > 4 mm/s
Min. thickness 5 mm
UV Resistance to ASTM D4355 > 70%
Puncture resistance ASTM D4833 > 100kg
Brust Strength -ASTM D3786 > 5000kpa

5. STRUCTURAL STEEL REINFORCEMENT:
5.1) Steel strength to be cold work deformed bars to B.S. 4461 or other approved with bending stress of "Y" bars=66,000 psi

No: DATE: ISSUE:

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CONSULTANTS:

CLIENT: Government of St. Vincent & the Grenadines

PROJECT: Rehabilitation of Congo Valley Road, Bridge #1 & River Defence

TITLE: Bar Schedule Grand Sable Bridge

PROJ. No:	SCALE:	DRAWN:	DWG. No.
DATE:	CHECKED:		LI 509