

**PROPOSED MADEYS BRIDGE
MADEYS, ST. PATRICK, GRENADA**

SUMMARY

1	PRELIMINARIES		\$ -
2	DEMOLITION		\$ -
3	GABION - PROVISIONAL		\$ -
4	BRIDGE PAVEMENT		\$ -
5	BRIDGE ABUTMENT & WING WALLS		\$ -
6	CARRIAGEWAY PAVEMENT		\$ -
7	CONTINGENCY		\$ 75,000.00
	Sub Total		\$ -
8	Overheads & Profit (%)		\$ -
	Sub Total (Net Vat)		\$ -
9	Add Applicable Vat - provisional for input tax allowance	15.0%	\$ -
	Total (Including Vat)		\$ -

PROPOSED MADEYS BRIDGE
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PERLIMINARIES

Ref	Description	Qty	Unit	Rate	Amount
	Perliminaries				
	<u>Set-up Costs</u>				
A	Mobilization (material storage prep, site office, toilet facilities, hoarding, site briefings for staff, testing, etc.)		item	\$	-
	<u>Insurance</u>				
B	Contractor to provide employers liability and workers compensation insurances		item	\$	-
	<u>Supervision</u>				
C	The contractor is to provide competent supervision throughout the duration of the project		item	\$	-
	<u>Construction Period</u>				
D	Running costs, administration (project plan, claims preparations, etc.); attendant labour, facilities, temporary work, plant and equipment, small tools, contractual obligations)		item	\$	-
	<u>De-mobilization</u>				
E	De-mobilize site office, clear materials storage area, transport plant and small tools away, snag meeting, remedying defects in defects liability period, keys hand-over meeting		item	\$	-
	<u>Temporary Roads and Bridge</u>				
E	The contractor is to provide temporary roads and maintain it during the construction period; remove on completion of the project		item	\$	-
E	The contractor is to provide temporary bridge and maintain it during the construction period; remove on completion of the project		item	\$	-
HERMITAGE BRIDGE				To Summary \$	\$ -

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DEMOLITION WORKS

Ref	Description	Qty	Unit	Rate	Amount
	Demolition Works as per Engineer's Details				
	<u>Demolish existing structures</u>				
A	demolish existing bridge and adjacent structures; down to underside of foundation level		item	\$	-
B	Extra over for disposal		item	\$	-
C	demolish existing masonry and concrete works; down to underside of foundation level; see drawing A-01		item	\$	-
D	Extra over for disposal		item	\$	-
	<u>Relocation of existing structure</u>				
E	carefully dismantle existing Bus Shed and store for relocation		item	\$	-
F	construct RC pad for Bus Shed; location to be determining on site		item	\$	-
G	reinstall Bus shed; include for all necessary material and labour		item	\$	-
	<u>Sundries</u>				
H	Allow the Provisional Sum of \$10,000.00 for addition Demolition Works		PS	\$	-
MADEYS BRIDGE				To Summary \$	\$ -
DEM 1 - 1					

PROPOSED MADEYS BRIDGE
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GABION WALL

Ref	Description	Qty	Unit	Rate	Amount
	Gabion Wall as per Engineer's Details				
	****This section is Provisional****				
	<u>Excavation to reduced levels, and dispose off-site.</u>				
A	for reduce level	311	Cy	\$	-
B	leveling and compacting bottom of excavated surfaces	233	Sy	\$	-
	<u>Imported filling material</u>				
	Supply, fill and compact to Engineer's Specifications				
C	for make up levels and fill behind gabion walls	156	Cy	\$	-
	<u>Concrete, 4,000 psi @ 28 days, vibrated</u>				
D	to footing	55	Cy	\$	-
	<u>Formwork</u>				
E	to slab on grade edge	210	Ly	\$	-
	<u>Reinforcement</u>				
F	to footing	15600	lbs	\$	-
	<u>Sundries</u>				
	Gabion basket; include for mesh and hand pack stone				
G	3' 0" x 3' 0" x 6' 0" to 6' 6"	50	nr	\$	-
H	3' 0" x 3' 0" x 5' 0" to 5' 6"	100	nr	\$	-
I	3' 0" x 3' 0" x 4' 0" to 4' 6"	100	nr	\$	-
J	3' 0" x 3' 0" x 3' 0" to 3' 6"	100	nr	\$	-

MADEYS BRIDGE				To Summary \$	\$ -
G/B 1 - 1					

PROPOSED MADEYS BRIDGE
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BRIDGE ABUTMENT & WING WALLS

Ref	Description	Qty	Unit	Rate	Amount
	Bridge Abutment & Wing Walls as per Engineer's Details				
	<u>Excavation to reduced levels, and dispose off-site.</u>				
A	general excavation (Provisional Quantity)	1244	Cy	\$	-
B	trench; footing	156	Cy	\$	-
C	leveling and compacting bottom of excavated surfaces	233	Sy	\$	-
D	leveling and compacting trench excavated surfaces by hands	168	Sy	\$	-
	<u>Imported filling material</u>				
	Supply, fill and compact to Engineer's Specifications				
E	for making up levels; (Provisional Quantity)	652	Cy	\$	-
F	for around the footing; by hand	89	Cy	\$	-
	<u>Blinding, 3,000 psi @ 28 days, vibrated</u>				
G	to footings; 4" thick	15	Cy	\$	-
	<u>Concrete, 4,500 psi @ 28 days, vibrated</u>				
H	to footing	78	Cy	\$	-
I	Extra over for waterproofing admixture	78	Cy	\$	-
J	to walls; Bridge Abutment	87	Cy	\$	-
K	Extra over for waterproofing admixture	87	Cy	\$	-
L	to walls; Wing	79	Cy	\$	-
M	Extra over for waterproofing admixture	79	Cy	\$	-
MADEYS BRIDGE				To Collection \$	\$ -
BA/WW 1 - 3					

BRIDGE ABUTMENT & WING WALLS

Ref	Description	Qty	Unit	Rate	Amount
	<u>Formwork; film face plywood finish</u>				
A	to footings	66	Sy	\$	-
B	to walls; Bridge Abutment	286	Sy	\$	-
C	to walls; Wing	237	Sy	\$	-
D	Extra over for forming opening for service pipe		item	-	\$ -
	<u>Reinforcement</u>				
E	to footings; rebars	21060	lbs	\$	-
F	to walls; Bridge Abutment; rebars	23490	lbs	\$	-
G	to walls; Wings, rebars	21330	lbs	\$	-
	<u>Damp proofing</u>				
H	bituminous sealant	262	Sy	\$	-
	<u>Sundries</u>				
I	Weeper holes	60	nr	\$	-
J	Construction joints to footings/walls - horizontal	44	ly	\$	-
K	Allow for abutments of RC walls		item	\$	-
MADEYS BRIDGE				To Collection \$	\$ -
BA/WW 2 - 3					

BRIDGE ABUTMENT & WING WALLS

Ref	Description	Qty	Unit	Rate	Amount
	COLLECTION				
	Page Nr.	BA/WW 1 - 3			\$ -
	" "	BA/WW 2 - 3			\$ -
MADEYS BRIDGE	BA/WW 3 - 3			To Summary \$	\$ -

PROPOSED MADEYS BRIDGE
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BRIDGE PAVEMENT

Ref	Description	Qty	Unit	Rate	Amount
	Bridge Pavement as per Engineer's Details				
	<u>Concrete, 4,500 psi @ 28 days, vibrated</u>				
A	to pavement/slab and beams	44	Cy	\$	-
B	Extra over for waterproofing admixture	44	Cy	\$	-
C	Extra over for falls and cross falls		item	\$	-
D	Extra over for broom finishh	18	sy	\$	-
	<u>Formwork</u>				
E	to slab edge; generally	45	Ly	\$	-
F	to suspended slab; generally	124	Sy	\$	-
G	to suspended beams; generally	38	Sy	\$	-
H	to upstand beams; generally	16	Sy	\$	-
I	to capping beams; generally	16	Sy	\$	-
	<u>Reinforcement</u>				
J	to suspended slab and beams; rebars	16632	lbs	\$	-
	<u>Sundries</u>				
K	Abutments for new pavement to existing		item	\$	-
L	Abutments for new pavement to top of walls; 2" thk Neoprene Bearing pads; see Drawing S-10		item	\$	-
M	Wabo elastoflex sealant; see Drawing S-17		item	\$	-
N	Edge void sealant; see Drawing S-17		item	\$	-
O	Steel Reinforcing; see Drawing S-17		item	\$	-
P	Abutment; see Drawing S-16		item	\$	-
Q	Bridge drainage with Clark Drain CD 172 KMB; 450 x 410 x 75 mm External dimention and Clear Opening of 280 mm	8	Nr	\$	-
MADEYS BRIDGE				To Collection \$	\$ -
B/P 1 - 3					

BRIDGE PAVEMENT					
Ref	Description	Qty	Unit	Rate	Amount
	<u>Bituminous bound pavements</u>				
A	Hot Rolled Asphalt Base to falls; depth 1" - 2"	100	Sy		\$ -
B	Hot Rolled Asphalt Binder to falls; depth 1" - 2"	100	Sy		\$ -
	<u>Ancillaries</u>				
	Surface marking; Thermo Plastic Marking as specified				
C	White/Yellow continuous lines; 4" wide	27	Ly		\$ -
D	White intermittent lines; 4" wide	27	Ly		\$ -
	<u>Tying to Existing Pavement</u>				
	Tying to existing pavement as detailed on Dwg, including breakout existing pavement, saw cutting, vertical tack coat, milling (If required) and all necessary preparation works				
E	New pavement with carrageway pavement; transverse joints	15	Ly		\$ -
	<u>Protective rails</u>				
F	2" thick CHS balustrade with intermediate post; see Drawing S-10 & S-15	80	Lf		\$ -
G	Vehicle restraint system with intermediate post; see Drawing A-02 & S-15	80	Lf		\$ -
MADEYS BRIDGE					
B/P 2 - 3					
				To Collection \$	\$ -

BRIDGE PAVEMENT

<i>Ref</i>	<i>Description</i>	<i>Qty</i>	<i>Unit</i>	<i>Rate</i>	<i>Amount</i>
	COLLECTION				
	Page Nr.	B/P 1 - 3			\$ -
	" "	B/P 2 - 3			\$ -
MADEYS BRIDGE	B/P 3 - 3			To Summary \$	\$ -

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CARRIAGEWAY - PAVEMENT

Ref	Description	Qty	Unit	Rate	Amount
	Carriageway - Pavement as per Engineer's Details				
	<u>Excavation to reduced levels, and dispose off-site.</u>				
A	for reduce level	963	Cy	\$	-
B	break up and dismantle existing pavement	611	sy	\$	-
C	leveling and compacting bottom of excavated surfaces	840	Sy	\$	-
	<u>Imported filling material</u>				
	Supply, fill and compact to Engineer's Specifications				
D	for make up levels to received new pavement	1002	Cy	\$	-
	<u>Concrete, 4,000 psi @ 28 days, vibrated</u>				
E	to pavement/slab on grade	10	Cy	\$	-
F	Extra over for falls and cross falls		item	\$	-
G	Extra over for casting slab in bays		item	\$	-
H	Extra over for broom finishh	53	sy	\$	-
	<u>Formwork</u>				
I	to slab on grade edge	43	Ly	\$	-
	<u>Reinforcement</u>				
J	to pavement/slab on grade	70	lbs	\$	-
K	to slab on grade (A252 BRC mesh to slabs)	124	Sy	\$	-
	<u>Sundries</u>				
L	Abutments for new pavement to existing	1	item	\$	-

MADEYS BRIDGE	C/P 1 - 3	To Collection \$			\$ -
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CARRIAGEWAY - PAVEMENT					
Ref	Description	Qty	Unit	Rate	Amount
	<u>Unbound Sub-base</u>				
A	Granular sub base; depth 6" - 8"	837	Sy	\$	-
	<u>Bituminous bound pavements</u>				
B	Hot Rolled Asphalt Base; depth 1" - 2"	837	Sy	\$	-
C	Hot Rolled Asphalt Binder; depth 1" - 2"	837	Sy	\$	-
	<u>Ancillaries</u>				
	Surface marking; Thermo Plastic Marking as specified				
D	White/Yellow continuous lines; 4" wide	50	Ly	\$	-
E	White intermittent lines; 4" wide	50	Ly	\$	-
F	White dashed lines; 4" wide	40	Ly	\$	-
	<u>Tying to Existing Pavement</u>				
	Tying to existing pavement as detailed on Dwg, including breakout existing pavement, saw cutting, vertical tack coat, milling (If required) and all necessary preparation works				
G	New pavement with existing pavement; transverse joints	20	Ly	\$	-
H	New pavement with existing pavement; longitudinal joints	30	Ly	\$	-
	<u>Box Drain/Culvert</u>				
	Construct box drain/culvert as indicated on the Engineer's Drawings and Details	120	Ly	\$	-
MADEYS BRIDGE				To Collection \$	\$ -
C/P 2 - 3					

CARRIAGEWAY - PAVEMENT

<i>Ref</i>	<i>Description</i>	<i>Qty</i>	<i>Unit</i>	<i>Rate</i>	<i>Amount</i>
	COLLECTION				
	Page Nr.	C/P 1 - 3			\$ -
	" "	C/P 2 - 3			\$ -
MADEYS BRIDGE	C/P 3 - 3			To Summary \$	\$ -