

Renovation and Repairs to Three Fords in the Community of Kintyre

WHEREAS the current mission statement of the Kingston and St. Andrew Corporation (KSAC) is "To meet the local needs of the citizens of Kingston and St. Andrew by providing effective and efficient services to enhance their quality of life"

AND WHEREAS the residents of Kintyre and Hope flats have to wait sometime for hours and days after heavy rain-fall to drive across the fords to get to work, school, medical facility and to conduct other general business, the present condition of the fords is adding stress to their life.

AND WHEREAS the estimated cost to repair the three fords as prepared by the City Engineering Department of the KSAC is in the sum of \$ 14,460,000.00.

BE IT RESOLVED that this sitting of the Council on behalf of the citizens of Kintyre and Hope Flats request from the Ministry of Local Government, through the Equalisation Fund, the sum of \$14,460,000.00 as per attached estimate to have the necessary repairs done to the fords.

Moved by Councillor Artnell McDonald

Seconded by Councillor Patricia Morgan

## KINGSTON &amp; ST. ANDREW CORPORATION

## CITY ENGINEER'S DEPARTMENT

## BILL OF QUANTITIES

DATE: March 26, 2015

DIVISION: KINTYRE

LOCATION: CONSTITUTION HILL ROAD AND ST. JOSEPH'S ROAD

SUBJECT: REPAIR AND RENOVATION TO THREE FORDINGS

## SCOPE OF WORKS

To construct temporary access road, install concrete culvert and cast road way with mass concrete

## CONSTITUTION HILL ROAD

To construct rubble stone wall

A To excavate compact earth for stone wall foundation (600mm x 600mm)

M<sup>3</sup> 50 \$3,000.00 \$150,000.00

B To cast foundation with 20 Mpa concrete as directed

M<sup>3</sup> 20 \$20,000.00 \$400,000.00

C To construct rubble stone wall (500 - 1000mm high x 300mm thick)

M<sup>3</sup> 40 \$25,000.00 \$1,000,000.00

D To back fill wall with 12" diameter boulders

M<sup>3</sup> 24 \$2,500.00 \$60,000.00

E Construct 20 MPa concrete capping as directed

M 130 \$3,500.00 \$455,000.00

F Provide tools, equipment and labour to clear land slide and widen road way as directed

M<sup>3</sup> 40 \$3,000.00 \$120,000.00

## Road Way

A To excavate compact earth 150mm deep to receive mass concrete and cart away surplus as directed

M<sup>2</sup> 650 \$400.00 \$260,000.00

B To mix and deposit 20 Mpa concrete 150mm thick, rod and rough finish as directed reinforced with JRC fabric

M<sup>3</sup> 100 \$25,000.00 \$2,500,000.00Kingston & St. Andrew Corporation  
CITY ENGINEER'S DEPT.

C/F

City Engineer

CITY ENGINEER'S DEPARTMENT

\$4,945,000.00



<b>B/F</b>				\$4,945,000.00	
<b>First Fording</b>					
<b>To construct rubble stone wall</b>					
A	To excavate compact earth for stone wall foundation (600mm x 600mm)	M <sup>3</sup>	8	\$3,000.00	\$24,000.00
B	To cast foundation with 20 Mpa concrete as directed	M <sup>3</sup>	4	\$20,000.00	\$80,000.00
C	To construct rubble stone wall (500 - 1000mm high x 300mm thick)	M <sup>3</sup>	36	\$25,000.00	\$900,000.00
D	To back fill wall with 12" diameter boulders	M <sup>3</sup>	6	\$2,500.00	\$15,000.00
E	Construct 20 MPa concrete capping as directed	M	5	\$3,500.00	\$17,500.00
F	To repair existing Rip Rap as directed			\$150,000.00	\$150,000.00
G	To back fill area with river shingle as directed	item	1	\$120,000.00	\$120,000.00
H	To recast a section of drain with 20MPa concrete	item	1	\$50,000.00	\$50,000.00
<b>Second Fording</b>					
<b>To cast existing drain/ road way</b>					
A	To excavate compact earth 150mm deep to receive mass concrete and cart away surplus as directed	M <sup>2</sup>	85	\$400.00	\$34,000.00
B	To mix and deposit 20 Mpa concrete 150mm thick, rod and rough finish as directed reinforced with JRC fabric	M <sup>3</sup>	15	\$25,000.00	\$375,000.00
<b>Main Fording</b>					
<b>To construct rubble stone wing wall</b>					
A	To excavate compact earth for stone wall foundation (600mm x 600mm)	M <sup>3</sup>	25.0	\$3,000.00	\$75,000.00
B	To cast foundation with 20 Mpa concrete as directed	M <sup>3</sup>	12	\$20,000.00	\$240,000.00
C	To construct rubble stone wall (500 - 1000mm high x 300mm thick)	M <sup>3</sup>	84	\$25,000.00	\$2,100,000.00
D	To back fill wall with 12" diameter boulders	M <sup>3</sup>	18	\$2,500.00	\$45,000.00
E	Construct 20 MPa concrete capping as directed	M	27	\$3,500.00	\$94,500.00
<b>To repair existing rubble stone wall</b>					
A	To reconstruct section of existing wall footing ≈ 12M	item	1	\$500,000.00	\$500,000.00
<b>C/F</b>				\$9,765,000.00	



B/F					
<u>Culvert</u>					\$9,765,000.00
A	To supply equipment to excavate drain (11m x 2m x 3.6m)	M <sup>3</sup>	80	\$2,500.00	\$200,000.00
B	To supply & install 1.2m diameter HDPE pipes as directed	No.	7	\$300,000.00	\$2,100,000.00
C	To back fill wall with dump sand	M <sup>3</sup>	48	\$2,500.00	\$120,000.00
<u>Road Way</u>					
A	To excavate compact earth 150mm deep to receive mass concrete and cart away surplus as directed	M <sup>2</sup>	350	\$400.00	\$140,000.00
B	To mix and deposit 20 Mpa concrete 150mm thick, rod and rough finish as directed reinforced with JRC fabric	M <sup>3</sup>	40	\$25,000.00	\$1,000,000.00
	For Preliminaries to include security, storage, supervision, testing and traffic control	item	1	\$635,000.00	\$635,000.00
	Allow sum for Contigencies as directed by Engineer	item	1	\$500,000.00	\$500,000.00
TOTAL					\$14,460,000.00

CITY ENGINEER'S DEPARTMENT