

**Request for Quotation (RFQ)
For the service provision of
[New Camp Culvert Replacement 2023]**



ZiJin

**ROSEBEL GOLD MINES N.V.
罗斯贝尔金矿有限公司**

Issue Date: 6/6/ 2023

Closing Date: (Date/Time)

ORFEO STIJFMEYER
Category Management Specialist
Rosebel Gold Mines N.V
President Da Costalaan 2
Paramaribo, Suriname
Tel. +597 422741 Ext. 212234
M: +(597) 8260015

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A GENERAL REQUIREMENTS

Quotations are invited for the installation of concrete boxes at New Camp road. The company's detailed requirements are defined in the Technical Specification.

B BACKGROUND TO THE BUSINESS REQUIREMENT

By end of April 2019 two (2) of the 66 inch culverts #110 (corrugated metal pipe) collapsed on the downstream side due to prolonged rainfall. It was planned to replace these during the dry season of 2020 but due the developments around the covid-19 pandemic we were not able to bring contractors onsite and postponed it. In May 2021 the upstream side showed signs of subsidence and the pedestrian walkway started eroding. In order to prevent any safety issues the area will be berm off, pedestrian walkway will be shifted and closely monitored by the Ground Control team.

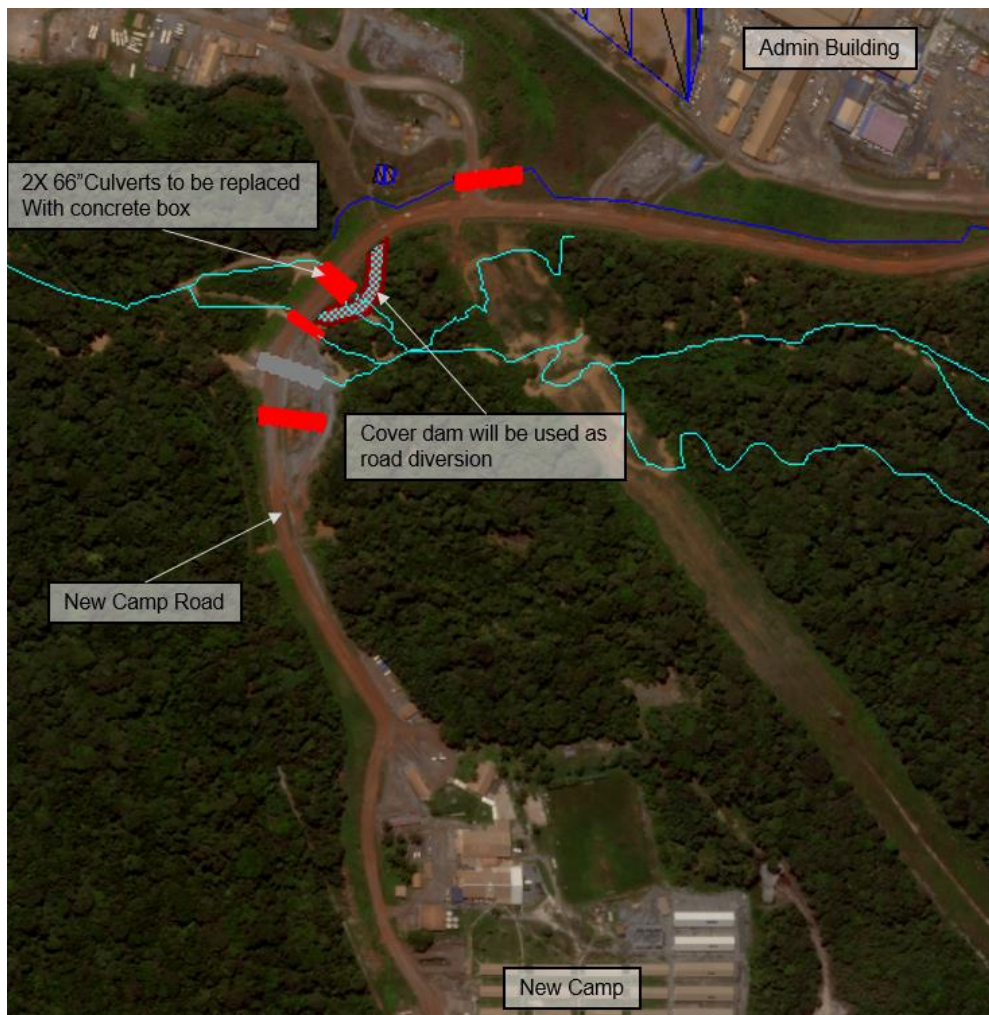


Figure 1 – showing the area of concern

C TECHNICAL SPECIFICATION

This project aims to install concrete boxes below the new Camp road for a length of approx. 29 m. The culverts are rectangular 1950mmX2250mm and weight 5500 Kg.

Depending on material availability to fill around culvert will be loaded and hauled from the Elrus plant or the Mayo Baitali crush station by the contractor. Unscreened material (pit rock, other waste) from the Mayo Baitali crush station can be used for the berms and rip rap for bank revetment. Where possible, waste material from along the roadside can be used for berm construction.

Road diversion

At upstream cover dam is necessary during the installation and should be wide (15m) enough to be used as a road diversion to New Camp. Some bush clearing will be required for the cover dam construction. It is recommended to commence with this project by mid-August. Once the culvert is replaced the diversion would then be removed to restore uninhibited flow.

The road, berms, and culvert will need to comply with the following specifications:

Road and Pedestrian pad Width: 16 m (not counting berms)

Road elevation: 513 mRL

Berm Height: 1.55 m (from road surface)

Berm Slope: 1.5H: 1V (37.5°)

0-1 ½" Capping Material Depth: 0.2 m

6" Capping Material Depth: 0.2 m

Base Material (Pit Rock) Depth: 0.8 m

Culvert Specs: 1950mmX2250mmX1000mm

Catchment area: 1.037 km²

Design elevation culvert inlet/outlet: 509mRL

QA/QC will be done on the project by the Ground Control team to ensure that the proper material is being used. Regular checks on progress will also take place. Surveying will be handled by RGM.

A JHA with the Mill electrical, surface support and health and safety should be in place prior starting with the project.

D Timeline

It is proposed to start in September 2023 and finish by end of September 2023.

For this project the job needs to be done in a certain time frame. The provided timeframe by the contractor should be strictly followed. A time frame of approx. 1 month is expected.

2 REFERENCE DOCUMENTS

RGM Policies:

In addition to the services outlined in the specification, the Contractor shall comply with all policies and codes of practice, which can be found in the following locations;

Health and Safety:

HR requirements:

- Police clearance for all contractor's working on site
- Medical screening from HCCO - Human Capital Care Outsourcing
- Proof of SOR insurance for all contractors working on site

Health & Safety requirements:

- General induction should be completed
- All mobile equipment; light vehicles and operators should comply with RGM Mobile Equipment standard;
- Contractors should adhere to the IAMGOLD golden rules and Core Safety Values

3 – BILL OF QUANTITIES

Costs

The costs should be broken down into components with a full description of each component and its associated costs. Quantities and distances are subject to change.

#	Item Description	Unit	QTY	Rate	Total	Comment
1	New Camp Culvert Replacement 2023					
1.1	Technical					
1.1.A	Design and timeline	hr	0		0	
1.1.B	Surveying	hr	0		0	RGM to arrange
1.1.C	Environmental clearance for bush clearing	hr	0			RGM to arrange
1.2	Road diversion					
1.2.A	(Bush) Clear Area	m ²	2700			
1.2.B	Construct cover dam upstream good enough to be used as a temporary bypass.	m ³	2200			
1.2.C	Hauling 0-6" (5.8 Km)	m ³	1600			From Elrus Plant
1.2.D	Hauling pit rock ()		400			
1.2.E	Placing (levelling, compacting, grading)	m ³	2560			
1.3	Concrete box installation					
1.3.A	Remove damaged culvert and subbase. (clean up)	m ³	1630			
1.3.B	Construct (Haul, place, level and compact) new base approx. 60cm 8-10" crushed material on bottom of channel. Second Layer 20cm of 0-1 ½" crushed material.	m ³	250			
1.3.C	Mobilize concrete box from Ms laydown to New Camp (4 Km)					
1.3.D	Lifting equipment for installation					
1.3.E	Dywidag thread bar Ø25 for concrete connections					
1.3.F	Install 1 row of concrete boxes (1m)	m	29			Concrete box provided by RGM
1.3.G	Fill layer of rock foundation to cover concrete culverts 40cm thick 0-1 ½" on top of culverts. Fill rest until road elevation with rip rap boulders.					
1.3.H	Finalize road with top layer of 20cm 0-6" and 20cm 0-1 ½ " crushed material					
1.4	Berm Construction					
1.4.A	Hauling 1 ½ " (Avg. 8.6 km)	m ³	400			From Mayo Baitali Crusher
1.4.B	Hauling 6" (Avg. 5.8 km)	m ³	600			From Elrus Plant
1.4.C	Placing (levelling, compacting, grading)	m ³	400			

1.4.D	Create Rock berm at Concrete box inlet					
1.5	Sub-Total					
2	General & Administrative					
2.1	Mobilization Costs					
2.2	Administrative Cost					
2.3	Extra/Over					
3	Total					