

**CONTRACT No. GTM/SCM/26/2021**  
**PREVENTATIVE AND MAINTENANCE OF TARRED ROADS IN GTM**

**SCHEDULE A: ROAD CONSTRUCTION**

**SECTION 1200**

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>1200</b>	<b><u>GENERAL REQUIREMENT AND PROVISIONS</u></b>				
B12.01	Services				
	(a) Relocation and Protection of existing services	Prov Sum	1	100 000,00	100 000,00
	(b) Contractors's handling costs, profits and all other charges in respect of subitem B12.01 (a)	%	100 000		
B12.04	Excavation				
	Excavating material within the following depth ranges below ground level for exposing of/or searching for services				
	(a) 0-2m				
	(i) Soft material	m <sup>3</sup>	1		
	(ii) Hard material	m <sup>3</sup>	1		
B12.05	Backfilling				
	(a) Using the excavated material	m <sup>3</sup>	1		
	(b) Using imported selected fill	m <sup>3</sup>	1		
B12.05	Contractor's obligations relevent to Occupational Health and Safety Act				
	(a) Contractor's initial obligations in respect of the Occupational Health And Safety and Construction Regulations	Prov Sum	1	40 000,00	40 000,00
	(b) Contractors's handling costs, profits and all other charges in respect of subitem B12.02 (a)	%	40 000		
B12.05	(a) Prime cost item for payment to landowners for borrow material, loss of crop or other matters				
	(a) Payment by contractor to landowners	Prov Sum	1	30 000,00	30 000,00
	(b) Contractors's handling costs, profits and all other charges in respect of subitem B12.03 (a)	%	30 000		
B12.06	Protection, removal, realignment and replacement of services as ordered by the Employer				
	(a) Utility services				
	(i) The removal, protection and replacement of services.	Prov Sum	1	60 000,00	60 000,00
	(ii) Handling cost and profit in respect of item B12.07(I)	%			
B12.28	Legal provisions	Prov Sum	1	20 000,00	20 000,00
		%	20 000		
<b>1200</b>	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>			<b>R</b>	

**SCHEDULE A: ROAD CONSTRUCTION**

**SECTION 1300**

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1300	<b><u>CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL OBLIGATIONS</u></b>				
B13.01	Contractor's general obligations				
	(a) Fixed obligations	L/Sum	1		
	(b) Value-related obligations	L/Sum	1		
	(c) Time-related obligations	Months	1		
	NOTE: The combined total tendered for subitems (a), (b) and (c) should not exceed 15% of the tender sum (excluding the contingent sum, CPA and VAT). Refer to form H ' CONTRACTOR'S ESTABLISHMENT ON SITE)				
1300	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>				<b>R</b>

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>1500</b>	<b><u>ACCOMMODATION OF TRAFFIC</u></b>				
15,01	<b>Accommodation of traffic and maintaining temporary deviation</b>	km	1		
15,02	<b>Earthworks for temporary deviations</b>				
	(a) Shaping of temporary deviations	km	1		
	(b) Cut and borrow to fill	m <sup>3</sup>	1		
	(c) Cut to spoil	m <sup>3</sup>	1		
B15.03	<b>Temporary traffic control facilities</b>				
	(a) Flag persons	man-day	1		
	(b) Portable STOP and GO-RY signs	No.	1		
	(d) Amber flicker lights	No.	1		
	(e) Road signs, R- and TR- series;(1200mm dia.)	No.	1		
	(f) Road signs, TW- series, 1500 mm	No.	1		
	(g) Road signs, STW-, DTG-, TGS- and TG-series excluding delineators and barricades				
	(i) 1600mm x 1200mm	m <sup>2</sup>	1		
	(ii) 2400mm x 1800mm	m <sup>2</sup>	1		
	(h) Delineators DTG50J, size 800 mm x 200 mm:				
	(i) Single	No.	1		
	(ii) Mounted back to back	No.	1		
	(i) Movable barricade/road sign combination, size 1800 x 300 and 900 dia.	No.	1		
	(j) Traffic cones (750mm high)	No.	1		
	(m) Two-way communication devices	No.	1		
	(n) Provision of high visibility safety jackets and safety hats	No	1		
	(o) Special information signs as required by Employer				
B15.04	<b>Relocation of traffic-control facility</b>	L/Sum	1		
B15.10	<b>Accommodation of traffic where the road is constructed in half-width</b>	km	1		
B15.11	<b>Traffic signal STOP/GO-RY facilities</b>	Prov Sum	1,00	10 000,00	R 10 000,00
	Contractors's handling costs, profits and all other charges in respect of subitem B15.11	%	10 000,00		
<b>1500</b>	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>				<b>R</b>



**SCHEDULE A: ROAD CONSTRUCTION**

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>1700</b>	<b><u>CLEARING AND GRUBBING</u></b>				
B17.01	Clearing and grubbing				
	(a) Normal Areas				
	(i) Within the road reserve	ha	1		
	(b) Existing fill embankments with slopes steeper than 1:4	ha	Rate only		Rate only
17,02	Removal and grubbing of large trees and tree stumps:				
	(a) Girth exceeding 1 m up to and including 2 m	No	1		
	(b) Girth exceeding 2 m up to and including 3 m	No	1		
17,04	Clearing and grubbing at inlets and outlets of hydraulic structures	m <sup>3</sup>	1		
17,05	Clearing out of hydraulic structures ( <b>Mechanical Vaccum</b> ):				
	(a) Pipes and Armco with an internal diameter up to and including 750 mm internal dia	m <sup>3</sup>	1		
	(b) Pipes and Armco with an internal diameter greater than 750 mm internal dia	m <sup>3</sup>	1		
	(c) Box culverts up to and including 600mm internal vertical dimension	m <sup>3</sup>	1		
	(b) Box culverts exceeding 600mm internal vertical dimension	m <sup>3</sup>	1		
<b>17,06</b>	<b>Site Establishment &amp; Destablishment of the Mechanical Vaccum Equipment.</b>	sum	1		
<b>1700</b>	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>				<b>R</b>

**SCHEDULE A: ROAD CONSTRUCTION**

**SECTION 1800**

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>1800</b>	<b><u>DAYWORKS</u></b>				
B18.01	Labourers:				
	(i) Unskilled labour	hr	Rate Only		Rate Only
	(ii) Semi-skilled labour	hr	Rate Only		Rate Only
	(iii) Skilled labour	hr	Rate Only		Rate Only
B18.02	Foreman	hr	Rate Only		Rate Only
B18.03	Plant				
	(a) Tipper trucks				
	(i) 3 - 5 ton	hr	Rate Only		Rate Only
	(ii) 5,1 - 10 ton	hr	Rate Only		Rate Only
B18.04	Loader (0,5m3 bucket)	hr	Rate Only		Rate Only
B18.05	Grader (CAT 14G or similar)	hr	Rate Only		Rate Only
B18.06	LDV	hr	Rate Only		Rate Only
B18.07	Compaction Rollers:				
	(i) Vibrator roller (as per 33.04 (b)(i) 3	hr	Rate Only		Rate Only
	(ii) Tamping roller	hr	Rate Only		Rate Only
	(iii) Grid roller	hr	Rate Only		Rate Only
B18.08	Hand controlled compactors:				
	(i) Pedestrian roller (Bomag BW90)	hr	Rate Only		Rate Only
	(ii) Vibratory plate	hr	Rate Only		Rate Only
	(iii) Rammers	hr	Rate Only		Rate Only
B18.09	Water truck (min 10000l)	hr	Rate Only		Rate Only
B18.10	Dozer (D7 or similar)	hr	Rate Only		Rate Only
<b>1800</b>	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>			<b>R</b>	

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**SECTION 2300**

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>2300</b>	<b><u>CONCRETE KERBING, CONCRETE CHANNELLING, CHUTES AND DOWNPIPES, AND CONCRETE LINING FOR OPEN DRAINS</u></b>				
23.01	Concrete kerbing:				
	(a) Prefabricated mountable kerb, SABS 927 fig 8C (Class 25/19 concrete):	m	1		
	(b) Cast insitu concrete beam				
	(i) Edgebeam 200 x 300 deep	m	1		
23.02	Concrete kerbing-channeling combination:				
	(b) Prefabricated concrete kerb SABS 927 fig. 8C with in-situ apron 25/19 as follows:				
	(i) Apron 300 wide sloping and 150mm thick	m	1		
23.03	Concrete chutes:				
	(a) Prefabricated concrete chutes	m	1		
23.05	Inlet, outlet, transition and similar structures				
	(a) Open chutes (Class 25/19 concrete):				
	(i) Chute inlets	No.	1		
	(ii) Chute outlets	No.	1		
23.07	Trimming of excavations for concrete-lined open drains:				
	(a) In soft material	m <sup>2</sup>	1		
	(b) In hard material	m <sup>2</sup>	1		
23.08	Concrete lining for open drains:				
	(a) Cast in situ concrete lining (Class 25/19 concrete):				
	(i) Side drains, with mesh ref 193	m <sup>3</sup>	1		
	(b) Class U2 surface finish to cast in situ concrete:				
	(i) Side drains	m <sup>2</sup>	1		
<b>2300</b>	<b>TOTAL CARRIED FORWARD</b>			<b>R</b>	

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought Forward</b>				<b>R</b>	
23.09	Formwork to cast in situ concrete lining for open drains (Class F2 surface finish)				
	(c) To ends of slabs and top	m <sup>2</sup>	1		
23.10	Sealed joints in concrete linings of open drains				
	(a) 10mm Flexcell every 2m	m	1		
23,13	Polyethylene sheeting (0.15 mm thick) for concrete lined open drains	m <sup>2</sup>	1		
PSA	Demolish and Remove broken Kerbs as indicated by the Engineer (Unreinforced) inclusive of disposal	m	1		
22.12	Removing existing concrete:				
	(a) Plain Concrete	m <sup>3</sup>	1		
	(b) Reinforced Concrete	m <sup>3</sup>	1		
<b>2300</b>	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>			<b>R</b>	

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**SECTION 3300**

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3300	<b>MASS EARTHWORKS</b>				
B31.01	Fill material from commercial sources (benching) at slip failures	m <sup>3</sup>	1		
3300	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>			R	

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**SCHEDULE A: ROAD CONSTRUCTION**

**SECTION 3500**

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>3500</b>	<b><u>STABILIZATION</u></b>				
35.01	<b>Chemical stabilization extra over unstabilized compacted layer</b>				
	(a) 150mm Base	m <sup>3</sup>	1		
35.02	Chemical stabilizing agent:				
	(a) Ordinary portland cement CEM 42.5	t	1		
35.04	Provision and application of water for curing	kl	1		
<b>3900</b>	<b>TOTAL CARRIED FORWARD</b>			<b>R</b>	

**SCHEDULE A: ROAD CONSTRUCTION**

**SECTION 3600**

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>3600</b>	<b><u>CRUSH-STONE BASE</u></b>				
36,01	Crushed-stone base:  (e) Constructed from type G3 natural material obtained from commercial sources (37,5mm nominal maximum size) and compacted to:  (i) 98% of modified AASHTO density ( 150mm Layer thickness)	m <sup>3</sup>	1		
36,04	Crushed stone base constructed with material from existing pavement layers (150mm layer thickness)  (a) G2 material compacted to 85% of modified AASHTO density density (i) Material from existing uncemented crushed stone layers	m <sup>3</sup>	1		
36,05	In situ reconstructed uncemented crushed-stone base:  c) G3 material, compacted to 98% of modified AASHTO density ( 150mm Layer thickness)	m <sup>3</sup>	1		
36,06	Extra over item 36,05 for temporarily blading the material to windrow	m <sup>3</sup>	1		
36,07	Crusher fines or sand for improving the grading of recovered crushed stone:  (a) Material from approved borrow pits (b) Material from commercial sources	m <sup>3</sup> m <sup>3</sup>	1 1		
36,08	Extra over item 36,05 for using added crushed-stone material:  (a) Material from approved sources on site (i) G1 material (ii) G2 material  (b) Material from commercial sources (i) G1 material (ii) G2 material (iii) G3 material	m <sup>3</sup> m <sup>3</sup>  m <sup>3</sup> m <sup>3</sup> m <sup>3</sup>	1 1  1 1 1		
<b>3600</b>	<b>TOTAL CARRIED FORWARD</b>			<b>R</b>	

**SCHEDULE A: ROAD CONSTRUCTION****SECTION 3600**

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought Forward</b>					<b>R</b>
36,09	Extra over item 36,04 for excavation crushed stone from existing pavements in restricted areas				
	(a) Non-cemented crushed stone	m <sup>3</sup>	1		
36,10	Extra over payment for placing and compacting or for in situ reconstruction of crushed-stone base in restricted areas:				
	(a) Extra over item 36,04 for placing and compacting from existing pavement layers	m <sup>3</sup>	1		
	(b) Extra over item 36,05 for in situ reconstructing uncemented crushed-stone base	m <sup>3</sup>	1		
36,11	Compacting the floor of pavement excavations ( 5 roller passes ) with				
	(a) Vibratory rollers	m <sup>2</sup>	1		
	(b) Flat-wheeled rollers	m <sup>2</sup>	1		
	(a) Pneumatic-tyred rollers	m <sup>2</sup>	1		
36,12	Water for compacting the pavement existing floor	kl	1		
36,13	Variation in the number of roller passes applicable to item 34.10				
	(a) Vibratory rollers	m <sup>2</sup>	1		
	(b) Flat-wheeled rollers	m <sup>2</sup>	1		
	(a) Pneumatic-tyred rollers	m <sup>2</sup>	1		
36,14	Extra over item 36.11 for compacting the floor of pavement excavation in restricted areas	m <sup>2</sup>	1		
<b>3600</b>	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>				<b>R</b>

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**SCHEDULE A: ROAD CONSTRUCTION**

**SECTION 3800**

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3800	<b><u>BREAKING UP EXISITING PAVEMENT LAYERS</u></b>				
38.01	<b>Excavating and removing existing bitumous materials</b> a) Material intended for recycling with the average depth of excvaton  i) Not exceeding 30mm ii) Exceeding 30mm but not exceeding 60mm	m <sup>2</sup>  m <sup>2</sup>	1  1		
38.02	<b>Milling out existing bituminuos material with an average milling depth:</b>  (b) Exceeding 30mm but not exceeding 60mm	m <sup>3</sup>	1		
38,04	<b>Excavating and spoiling material from an exisiting pavement and/or the underlying fill</b> a) Non-cemented materials	m <sup>3</sup>	1		
38,07	<b>Extra over 38.02 for tapering and/ or the underlying fill</b>	m <sup>3</sup>	1		
38,14	<b>Providing the milling machine on site (2200mm wide)</b>	No.	1		
38,15	<b>Moving the milling machine on site for a distance exceeding 1,0km</b>	No.	1		
3900	<b>TOTAL CARRIED FORWARD</b>			R	

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**SECTION 3900**

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>3900</b>	<b><u>PATCHING AND REPAIRING EDGE BREAKS</u></b>				
39.01	Sawing asphalt to an average depth: (i) Not exceeding 50mm	m <sup>2</sup>	1		
B39.02	Excavating in existing pavements for patching in: (c) Bituminous surfacing (30mm -60mm) (d) Gravel pavement layers	m <sup>3</sup> m <sup>3</sup>	1 1		
39.03	Backfilling of excavation for patching with: (a) Chemically stabilized pavement material (G5 material with 2.5% cement stabilizing agent) for patching a patch with a surface area: (i) Not exceeding 5 m <sup>2</sup> (ii) Exceeding 5 m <sup>2</sup> but not exceeding 100 m <sup>2</sup> (iii) Exceeding 100 m <sup>2</sup> (c) Asphalt surfacing material (continuously graded course grade, 30 mm thick) for patching a patch with a surface area: (i) Not exceeding 5 m <sup>2</sup> (ii) Exceeding 5 m <sup>2</sup> but not exceeding 100 m <sup>2</sup> (iii) Exceeding 100 m <sup>2</sup>	m <sup>3</sup> m <sup>3</sup> m <sup>3</sup> m <sup>2</sup> m <sup>2</sup> m <sup>2</sup>	1 1 Rate Only 1 1 Rate Only		Rate Only      Rate Only
39.04	Compacting the floor of excavation for patching	m <sup>2</sup>	1		
39.05	Cutting back of the edges of the existing surfacing for the repairing of edge breaks	m	1		
<b>3900</b>	<b>TOTAL CARRIED FORWARD</b>			<b>R</b>	

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**SCHEDULE A: ROAD CONSTRUCTION**

**SECTION 4100**

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
4100	<b><u>PRIME COAT</u></b>				
41,01	<b>Prime coat:</b>				
	(a) MC-30 cut-back bitumen	litre	1		
	(b) MSP1	litre	1		
41,02	<b>Aggregate for blinding</b>	m <sup>2</sup>	1		
41,03	<b>Extra over item 41.01 for applying the prime coat in areas accessible only to hand held equipment</b>	litre	1		
4100	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>			<b>R</b>	

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>4200</b>	<b><u>ASPHALT BASE AND SURFACING</u></b>				
42,02	Asphalt surfacing ( 20mm - 40mm thick, 60/70 penetration grade bitumen)				
	(a) - (i) 30mm Continuously graded medium grade asphalt	m <sup>2</sup>	1		
	(ii) 40mm Continuously graded medium grade asphalt	m <sup>2</sup>	1		
42,04	Tack coat 30% stable grade emulsion	l	1		
42,05	Binder variations	t	1		
42.11	<b><u>Asphalt layer constructed for rehabilitation purposes in accordance with the provisions of subsubclauses 4213(f)(ii) or 4213(f)(iii):</u></b>				
	(a) Base constructed with new asphalt (25mm medium grade )				
	(i) Continuously graded	t	1		
	(ii) Semi-gap-graded	t	Rate Only		Rate Only
	(b) Surfacing or overlay constructed with new asphalt 25mm thick, 60/70 penetration grade bitumen):				
	3 (i) Continuously graded	t	Rate Only		Rate Only
	(ii) Semi-gap-graded	t	Rate Only		Rate Only
	(c) Base constructed with recycled asphalt	t	Rate Only		Rate Only
	(d) Surfacing or overlay constructed with recycled asphalt	t	Rate Only		Rate Only
<b>42.12</b>	<b>Extra over items 42.01, 42.02, 42.10 and 42.11 for placing small quantities of asphalt of less than 10 tons specially produced as specified in subclause 4206(d)</b>	t	Rate Only		Rate Only
42,13	Placing and compacting asphalt in restricted areas:				
	(a) Extra over items 42.02	m <sup>2</sup>	1		
42,14	Extra over item 42.04 for applying tack coat in restricted areas:	l	1		
<b>4200</b>	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>			<b>R</b>	

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**SCHEDULE A: ROAD CONSTRUCTION**

**SECTION 4400**

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
4400	<b><u>SINGLE SEALS</u></b>				
44,01	Single seals using grade 1 aggregate and tack coat of 30% Styrene bitadiene Styrene (SBS) binder with 80/100 penetration grade bitumen and  (d) Using 13.2 mm aggregate	m <sup>2</sup>	1		
4400	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>			R	

**SCHEDULE A: ROAD CONSTRUCTION**

**SECTION 4500**

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>4500</b>	<b><u>DOUBLE SEALS</u></b>				
<b>B45,01</b>	<b>Double seals using:</b>				
	(c) 13,2 mm and 6,7 mm aggregate (grade 1 aggregate)	m <sup>2</sup>	1		
<b>45,02</b>	<b>Bituminous binder variations:</b>	m <sup>2</sup>	1		
	(b) B8 road-grade bitumen or 80/100 penetration grade bitumen	litre	1		
	(i) Homogeneous modified binder (PMB) hot applied	litre	1		
<b>45,03</b>	<b>Aggregate variations:</b>				
	(b) 13,2 mm aggregate	m <sup>3</sup>	1		
	(d) 6,7 mm aggregate	m <sup>3</sup>	1		
<b>4500</b>	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>			<b>R</b>	

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**SECTION 4600**

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
4600	<b>BITUMINOUS SINGLE SEAL WITH SLURRY (CAPE SEAL)</b>				
46,01	Bituminuos single seal with 19,0 mm aggregate and slurry	m <sup>2</sup>	1		
4600	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>			<b>R</b>	

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**SECTION 4700**

<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QUANTITY</b>	<b>RATE</b>	<b>AMOUNT</b>
<b>4700</b>	<b><u>SURFACING OF BRIDGE DECKS</u></b>				
<b>47,01</b>	<b>Surfacing on the bridge deck</b>				
	(a) Continuously graded				
	(i) 40 mm thick	t	1		
<b>4700</b>	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>			<b>R</b>	

**SCHEDULE A: ROAD CONSTRUCTION**

**SECTION 4800**

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>4800</b>	<b><u>TREATMENT OF AN EXISTING SURFACE EXHIBITING CERTAIN DEFECTS</u></b>				
<b>48,01</b>	<b>Treatment with diluted emulsion (fog spray):</b>				
LI	(b) 50% bitumen emulsion (Anionic) modified - 1.4 l/m <sup>2</sup> (Colseal)	litre	1		
<b>48,03</b>	<b>Repairing edge breaks in surfacing:</b>				
	(a) Tack coat using 30% bitumen emulsion	litre	1		
	(c) Slurry applied by spreader box (4mm)	m <sup>3</sup>	1		
<b>48,05</b>	<b>Repairing edge breaks in surfacing:</b>				
	(a) Tack coat - 30% spray grade emulsion (0,85 l/m <sup>2</sup> )	litre	1		
	(b) Reconstructing edges using continuously graded asphalt (medium grade)	t	1		
<b>48,07</b>	<b>Applying bituminous binder and herbicides for sealing cracks:</b>				
	(a) Herbicide (Hyvar X)	litre	1		
	(b) Hot bitumen rubber	litre	1		
	(d) Polymer modified bitumen sealer	litre	1		
	(e) Cleaning cracks with hot compressed air, priming and sealing using polymer modified bitumen emulsion (SBR/SBS)	m	1		
<b>48/46.05</b>	Variation in application rate of slurry (Variation apply to item 48.03 (c ) only	m <sup>3</sup>	1		
<b>B48.02</b>	<b>Texturing:</b>				
	(a) Tack coat (65% SBR latex 3% net) modified bitumen emulsion	litre	1		
	(c) Polyester geotextile "Sealmac" or similar approved	m <sup>2</sup>	1		
	(d) Penetration coat	litre	1		
	(e) 6.7 mm aggregate	m <sup>2</sup>	1		
<b>4800</b>	<b>TOTAL CARRIED TO SUMMARY</b>				<b>R</b>

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**SECTION 5600**

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>5600</b>	<b><u>ROAD SIGNS</u></b>				
B56.01	Road sign boards with painted or coloured semi-matt background. Symbols, lettering and borders in semi-matt black or Class I retro-reflective material, where the sign board is constructed from:				
	(c) Prepainted galvanized steel plate (chromadek 1,6mm thick or approved equivalent):				
	(i) Area not exceeding 2 m <sup>2</sup>	m <sup>2</sup>	1		
	(ii) Area exceeding 2 m <sup>2</sup> but not exceeding 10m <sup>2</sup>	m <sup>2</sup>	1		
56.02	Extra over B56.01 for using:				
	(a) Background of retro-reflective material:				
	(iii) Class I	m <sup>2</sup>	1		
	(b) Lettering, symbols, numbers, arrows, emblems and borders of retro-reflective material:				
	(ii) Class III	m <sup>2</sup>	1		
56.03	Road sign supports (overhead road sign structures excluded)				
	(a) Steel tubing (wall thickness 3mm)				
	(i) 75mm	t	1		
	(b) Timber 150mm	m	Rate Only		Rate Only
56.05	Excavation and backfilling for road sign supports (not applicable to kilometre posts)	m <sup>3</sup>	Rate Only		Rate Only
56.06	Extra over item 56.05 for cement-treated soil backfill	m <sup>3</sup>	1		
56.07	Extra over item 56.05 for rock excavation	m <sup>3</sup>	1		
56.08	Dismantling, storing and re-erecting road sign with a surface area of:				
	(a) Up to 2m <sup>2</sup>	No	1		
	(b) Size 200mm x 800mm at stormwater culverts	No	1		
B56.10	Hazard plates (150mm x 600mm)				
	(a) Type A at stormwater culverts	No	1		
<b>5600</b>	<b>TOTAL CARRIED TO SUMMARY</b>				<b>R</b>

**CONTRACT No. GTM/SCM/26/2021**  
**PREVENTATIVE AND MAINTENANCE OF TARRED ROADS IN GTM**

**SCHEDULE A: ROAD CONSTRUCTION**

**SECTION 5700**

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>5700</b>	<b><u>ROAD MARKINGS</u></b>				
57,01	Road marking paint:				
	(g) Kerb marking (any colour)	m <sup>2</sup>	1		
57,02	Retro-reflective road-marking paint:				
	(a) White lines (broken or unbroken):				
	(i) 100 mm wide	km	1		
	(ii) 300 mm wide	km	1		Rate Only
	(b) Yellow lines (broken or unbroken)				
	(i) 100 mm wide	km	1		
	(d) White lettering and symbols	m <sup>2</sup>	1		
	(f) Transverse lines, painted islands and arrestor bed marking (any colour)	m <sup>2</sup>	1		
57,04	Variations in rate of application:				
	(a) White paint	litre	Rate Only		Rate Only
	(b) Yellow paint	litre	Rate Only		Rate Only
	(d) Retro-reflective beads	kg	Rate Only		Rate Only
57,06	Setting out and premarking the lines (excluding traffic-island markings, lettering and symbols)	km	1		
57,10	Referencing of road marking				
	(a) Lane marking	km	1		
	(b) Traffic islands	m <sup>2</sup>	1		
<b>5700</b>	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>			<b>R</b>	

**CONTRACT No. GTM/SCM/26/2021**

**PREVENTATIVE AND MAINTENANCE OF TARRED ROADS IN GTM**

**SCHEDULE A: ROAD CONSTRUCTION**

**SECTION 5900**

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>5900</b>	<b><u>FINISHING THE ROAD AND ROAD RESERVE AND TREATING OLD ROADS</u></b>				
59.01	Finishing the road and road reserve:  (b) Single-carriageway road	km	1		
59.02	Treatment of old roads and temporary deviations	km	1		
<b>5900</b>	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>				<b>R</b>

**CONTRACT No. GTM/SCM/26/2021**

**PREVENTATIVE AND MAINTENANCE OF TARRED ROADS IN GTM**

**SCHEDULE A: ROAD CONSTRUCTION**

**SECTION 7300**

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>7300</b>	<b><u>CONCRETE BLOCK PAVING FOR ROADS</u></b>				
73.01	<b>Concrete block paving</b>				
	(i) Grey 40mm SA-type paving block	m <sup>2</sup>	1		
	(ii) 60mm interlocking paving blocks	m <sup>2</sup>	1		
	(iii) 80mm interlocking paving blocks	m <sup>2</sup>	1		
73.02	Cast in situ concrete edge and intermediate beam (150mm x 200mm 25mpa)	m <sup>2</sup>	1		
<b>7300</b>	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>			<b>R</b>	

**SCHEDULE A: ROAD CONSTRUCTION**

**SECTION 8100**

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>8100</b>	<b><u>TESTING MATERIALS AND WORKMANSHIP</u></b>				
B81.04	Additional tests required by the Employer				
	(a) Prime Cost sum for additional tests required by the Employer	PC Sum	1,00	50000,00	R 50 000,00
	(b) Contractor's handling costs, profit and all the other charges in respect of sub-item B81.02 (a)	%	R 50 000,00		
<b>8100</b>	<b>TOTAL CARRIED FORWARD TO SUMMARY</b>			<b>R</b>	

**GREATER TZANEEN MUNICIPALITY****CONTRACT No. GTM/SCM/26/2021****FOR****PREVENTATIVE AND MAINTENANCE OF TARRED ROADS IN GTM**

<b>ITEM</b>	<b>DESCRIPTION</b>	<b>AMOUNT</b>
1200	GENERAL REQUIREMENTS AND PROVISIONS	R
1300	CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL	R
1500	ACCOMMODATION OF TRAFFIC	R
1600	OVERHAUL	R
1700	CLEARING AND GRUBBING	R
1800	DAYWORKS	R
2300	CONCRETE KERBING, CONCRETE, CHANNELING, OPEN	R
3300	MASS EARTHWORKS	R
3500	STABILIZATION	R
3600	CRUSH-STONE BASE	R
3800	BREAKING UP EXISTING PAVEMENT LAYERS	R
3900	PATCHING AND REPAIRING EDGE BREAK	R
4100	PRIME COAT	R
4200	ASPHALT BASE AND SURFACING	R
4400	SINGLE SEALS	R
4500	DOUBLE SEALS	R
4600	BITUMINOUS SINGLE SEAL WITH SLURY (CAPE SEAL)	R
4700	SURFACING OF BRIDGE DECKS	R
4800	TREATMENT OF AN EXISTING SURFACE EXHIBITING CERTAIN	R
5600	ROAD SIGNS	R
5700	ROAD MARKINGS	R
5900	FINISHING THE ROAD AND ROAD RESERVE	R
7300	CONCRETE BLOCK PAVING FOR ROADS	R
8100	TESTING MATERIALS AND WORKMANSHIP	R
<b>SUMMARY OF SCHEDULE A: ROAD CONSTRUCTION</b>		<b>R</b>
1) CONTRACT PRICE ADJUSTMENT 7,5%		R
2) VARIATIONS ON SPECIAL MATERIALS 3% (RISE & FALL)		R
3) CONTINGENCIES AT 10%		R
<b>SUB TOTAL</b>		<b>R</b>
ADD : 15% VAT		R
<b>TENDER (CONTRACT) PRICE CARRIED TO FORM OF ACCEPTANCE</b>		<b>R</b>