

INDEX TO BILL OF QUANTITIES

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BILL OF QUANTITIES**SECTION 1 Preliminaries****PART AA PRELIMINARIES**

| Item | Clause | Description | Unit | Quantity | Rate | Amount |
|------|-------------|---|--------|----------|------|------------|
| 1 | GCC 2015 | GENERAL CONDITIONS OF CONTRACT (GCC 2015) READ IN CONJUNCTION WITH THE CONTRACT DATA Fixed Charge obligations | sum | 1 | | |
| 2 | GCC 2015 | Time Related obligations | sum | 1 | | |
| 3 | SANS 1921-1 | SANS 1921-1 : GENERAL ENGINEERING AND CONSTRUCTION WORKS READ IN CONJUNCTION WITH THE ASSOCIATED SPECIFICATION DATA IN THE SCOPE OF WORKS Fixed Charge Items | sum | 1 | | |
| 4 | SANS 1921-1 | Time Related Items | sum | 1 | | |
| 5 | C1.2.3.1 | COMMUNITY LIAISON OFFICER (Allows for one CLO per contract at an average of 80 hours per contract) | PC Sum | 900000 | 1.00 | 900,000.00 |
| 6 | C1.2.3.2 | LOCAL LABOUR Allow for the weekly submission of proof of employment of local labour | sum | 1 | | |

TOTAL CARRIED TO SECTION 1 SUMMARY: Preliminaries

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BILL OF QUANTITIES SECTION SUMMARY

SECTION 1 Preliminaries

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| PART AA | PRELIMINARIES | |
| TOTAL CARRIED TO FINAL SUMMARY | | |

BILL OF QUANTITIES**SECTION 2 General Specifications****PART AB GENERAL SPECIFICATIONS**

| Item | Clause | Description | Unit | Quantity | Rate | Amount |
|------|--------|---|--------|----------|------|------------|
| 1 | AB.2 | FIXED CHARGES | sum | 1 | | |
| | | Offices for Managing Contractor and Staff | | | | |
| 2 | AB.2 | Services Connection Fee (electrical / water / telephone) (Provisional) | PC sum | 150000 | 1.00 | 150,000.00 |
| 3 | AB.3 | Installation of Telephone / Fax | sum | 1 | | |
| 4 | AB.4 | Contractor's Camp Site / Store Yard | sum | 1 | | |
| 5 | AB.5 | Notice Board | no. | 1 | | |
| 6 | AB.7 | Road Deviations | sum | 1 | | |
| 7 | AB.7 | Initial supply of all signs, barricades and delineators | sum | 1 | | |
| 8 | | Survey coordination of existing valves, manholes, catchpits, and cable duct markers | sum | 1 | | |
| 9 | | Allow for the following Additional Items which the tenderer requires to be priced separately :- | sum | 1 | | |
| | | a) | | | | |
| 10 | | b) | sum | 1 | | |
| 11 | | c) | sum | 1 | | |
| 12 | AB.3 | Rental of Telephone / Fax for Engineer's Office Including Payment of Telephone / Service Accounts (Provisional Sum) | sum | 1 | | |
| 13 | AB.6 | Cost of Samples and Contractor's Preliminary and Site Control Testing | PC Sum | 100000 | 1.00 | 100,000.00 |
| 14 | AB.7 | Maintenance of Pedestrian and Traffic Facilities | sum | 1 | | |
| 15 | AB.7 | Maintenance of all signs, barricades and delineators | sum | 1 | | |
| 16 | | Survey for, and Preparation of, 'As-Built' Drawings | PC Sum | 100000 | 1.00 | 100,000.00 |
| 17 | | Allow the following additional items which the tenderer required to be priced separately :- | sum | 1 | | |
| | | a) | | | | |
| 18 | | b) | sum | 1 | | |
| 19 | | c) | sum | 1 | | |

Part Continued PART AB GENERAL SPECIFICATIONS

| Item | Clause | Description | Unit | Quantity | Rate | Amount |
|------|--------------------|--|--------|----------|------|--------|
| 20 | C1.2.3.6/C.1.2.3.7 | Time related cost for compliance with the requirements of ETA RETS | months | 24 | | |

TOTAL CARRIED TO SECTION 2 SUMMARY: General Specifications R

BILL OF QUANTITIES SECTION SUMMARY

SECTION 2 General Specifications

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| PART | AB | GENERAL SPECIFICATIONS | |
| TOTAL CARRIED TO FINAL SUMMARY | | | |

SECTION 3 Occupational Health and Safety**PART AH OCCUPATIONAL HEALTH and SAFETY**

| Item | Clause | Description | Unit | Quantity | Rate | Amount |
|------|---------|---|--------|----------|------|--------|
| 1 | AH.14.1 | Contractor's initial obligations in respect of the Occupational Health and Safety Act and Construction Regulations | sum | 1 | | |
| 2 | AH.14.2 | Contractor's time related obligations in respect of the Occupational Health and Safety Act and Construction Regulations | months | 24 | | |
| 3 | AH.14.3 | Submission of the Health and Safety File for each subcontractor | no. | 60 | | |

TOTAL CARRIED TO SECTION 3 SUMMARY: Occupational Health and Safety

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BILL OF QUANTITIES SECTION SUMMARY

SECTION 3 Occupational Health and Safety

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| PART | AH | OCCUPATIONAL HEALTH and SAFETY | |
| TOTAL CARRIED TO FINAL SUMMARY | | | |

SECTION 4 Site Clearance**PART B SITE CLEARANCE**

| Item | Clause | Description | Unit | Quantity | Rate | Amount |
|------|--------|---|------|----------|------|--------|
| 1 | B.8.2 | General clearance and grubbing in road reserve | m2 | 5000 | | |
| 2 | B.8.2 | General clearance and grubbing within a servitude | m2 | 1500 | | |
| 3 | B.8.2 | General clearance and grubbing in private property | m2 | 1000 | | |
| 4 | B.8.4 | Removal of large trees and stumps | no. | 50 | | |
| 5 | B.8.5 | Removal of 0 - 1.8m high wire mesh fence and store on site for re-use | m | 120 | | |
| 6 | B.8.5 | Removal of 0 - 1.8 m high wire mesh fence and spoil at tip Rate to include all haulage | m | 150 | | |
| 7 | B.8.5 | Removal of 0 - 1.8 m high precast concrete fence and store on site for re-use | m | 120 | | |
| 8 | B.8.5 | Removal of 0 - 1.8 m high precast concrete fence and spoil at tip Rate to include all haulage | m | 120 | | |
| 9 | B.8.6 | Removal of guardrail and posts and store on site for re-use | m | 350 | | |
| 10 | B.8.6 | Removal of guardrail and posts and spoil at tip Rate to include all haulage | m | 350 | | |
| 11 | B.8.7 | Removal of street/traffic signs and posts and store on site for re-use | no. | 120 | | |
| 12 | B.8.7 | Removal of street/traffic signs and posts and spoil at tip Rate to include all haulage | no. | 30 | | |
| 13 | B.8.7 | Removal of bollards and spoil at tip Rate to include all haulage | no. | 100 | | |
| 14 | B.8.14 | Removal of roadways to tip Rate to include haulage | m3 | 500 | | |
| 15 | B.8.15 | Removal of concrete sidewalks/ median to tip | m3 | 120 | | |
| 16 | B.8.15 | Removal of asphalt to tip | m3 | 150 | | |
| 17 | B.8.15 | Removal of interlocking blocks in paved areas to tip | m3 | 150 | | |
| 18 | B.8.15 | Removal of concrete sidewalks/ median to tip | m3 | 200 | | |
| 19 | B.8.15 | Removal of brick paving to tip | m3 | 100 | | |
| 20 | B.8.16 | Removal of asphalt extruded haunch to tip | m3 | 100 | | |

Part Continued **PART B SITE CLEARANCE**

| Item | Clause | Description | Unit | Quantity | Rate | Amount |
|------|--------|---|------|----------|------|--------|
| 21 | B.8.16 | Removal of precast kerb to tip | m3 | 150 | | |
| 22 | B.8.17 | Scarify existing hardened areas Depth : 0 to 100 mm | m2 | 200 | | |
| 23 | B.8.17 | Scarify existing hardened areas Depth : 100 to 150 mm | m2 | 200 | | |
| 24 | B.8.17 | Scarify existing hardened areas Depth : exceeding 150 mm | m2 | 200 | | |
| 25 | B.8.18 | Removal of excess scarified material to spoil. Rate to include all haulage | m3 | 250 | | |

TOTAL CARRIED TO SECTION 4 SUMMARY: Site Clearance

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BILL OF QUANTITIES SECTION SUMMARY

SECTION 4 Site Clearance

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| PART B | SITE CLEARANCE | |
| TOTAL CARRIED TO FINAL SUMMARY | | |

SECTION 5 Concrete works**PART C CONCRETE WORK**

| Item | Clause | Description | Unit | Quantity | Rate | Amount |
|------|--------|---|------|----------|------|--------|
| 1 | | Supply and lay TB300 Terrace Block (or approved equivalent) inclusive of sand filling as per detail | m2 | 350 | | |
| 2 | | Supply and lay TB500 Terrace Block (or approved equivalent) inclusive of sand filling as per detail | m2 | 350 | | |
| 3 | | Base type A including mesh ref.245, excavation and compaction of sub-grade to 95% Mod. A.A.S.H.T.O | m | 140 | | |
| 4 | C.8.1 | Grade 15/26 mass concrete in and between top row of blocks | m3 | 30 | | |
| 5 | | 1300mm wide geofabric extending into fill laid under 3rd row. (Kaymat U44 or approved equivalent). | m | 700 | | |

TOTAL CARRIED TO SECTION 5 SUMMARY: Concrete works

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BILL OF QUANTITIES SECTION SUMMARY

SECTION 5 Concrete works

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| PART C | CONCRETE WORK | |
| TOTAL CARRIED TO FINAL SUMMARY | | |

SECTION 6 Earthworks:bulk**PART DA EARTHWORKS : BULK**

| Item | Clause | Description | Unit | Quantity | Rate | Amount |
|------|---------|---|------|----------|------|--------|
| 1 | DA.8.2 | Excavate topsoil and stockpile | m3 | 550 | | |
| 2 | DA.8.2 | Excavate topsoil and spoil at tip | m3 | 550 | | |
| 3 | DA.8.3 | Excavate soft material and place directly into fill | m3 | 400 | | |
| 4 | DA.8.3 | Excavate soft material to spoil | m3 | 450 | | |
| 5 | DA.8.3 | Extra over above for the excavation of intermediate material to spoil | m3 | 300 | | |
| 6 | DA.8.4 | Import suitable G6 fill material | m3 | 400 | | |
| 7 | DA.8.5 | Compact soft material from site to 95% Mod. A.A.S.H.T.O. | m3 | 3500 | | |
| 8 | DA.8.5 | Compact imported fill material to 95% Mod. A.A.S.H.T.O. | m3 | 3500 | | |
| 9 | DA.8.9 | Formation | m2 | 3500 | | |
| 10 | DA.8.3 | Excavate unsuitable material below embankments or formation and spoil at tip | m3 | 100 | | |
| 11 | DB 8.19 | Proving of sevicees | m3 | 300 | | |
| 12 | DA.8.3 | Extra over above for excavation in hard material to fill | m3 | 100 | | |
| 13 | DA.8.3 | Extra over above for excavation of boulders greater than 0,15 m3 to fill | m3 | 100 | | |
| 14 | DA.8.3 | Extra over above for excavation in intermediate material to stockpile | m3 | 120 | | |
| 15 | DA.8.3 | Extra over for excavation in hard material to stockpile | m3 | 100 | | |
| 16 | DA.8.3 | Extra over above for excavation of boulders greater than 0,15 m3 to stockpile | m3 | 120 | | |

TOTAL CARRIED TO SECTION 6 SUMMARY: Earthworks:bulk

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PART EB GRADED CRUSHED STONE

| Item | Clause | Description | Unit | Quantity | Rate | Amount |
|------|--|--|------|----------|------|--------|
| 1 | EB.8(1) EB123 EB1234 | Graded crushed stone, 100 mm thickness | m3 | 80 | | |
| 2 | EB.8(1) EB1234 EB12345 EB123456 | Graded crushed stone, 150 mm thick | m3 | 120 | | |
| 3 | EB.8(2) | Prime coat | m2 | 700 | | |

TOTAL CARRIED TO SECTION 6 SUMMARY: Earthworks:bulk

R

PART EC CEMENT TREATED GRADED CRUSHED STONE

| Item | Clause | Description | Unit | Quantity | Rate | Amount |
|------|----------------------------|--|------|----------|------|--------|
| 1 | EC.8(a) | Cement treated C3 layer using graded crushed stone 125 mm thick | m3 | 2000 | | |
| 2 | | Extra over item for working C3 in restricted areas | m3 | 200 | | |
| 3 | EC.8(b) | Prime coat | m2 | 1000 | | |
| 4 | EC.8/PS.EC.1.2 | Extra over item for cement stabilising agent | m3 | 5 | | |
| 5 | EC.8.1/PS.EC.1.2/PS.EC.1.3 | Trial section for cement treated graded crushed stone(C3) to thickness | m3 | 10 | | |

TOTAL CARRIED TO SECTION 6 SUMMARY: Earthworks:bulk

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PART EL DUMPROCK SUBGRADE IMPROVEMENT

| Item | Clause | Description | Unit | Quantity | Rate | Amount |
|------|-------------------|---|------|----------|------|--------|
| 1 | EL.8 / PS.DA.[15] | Dumprock subgrade improvement, 150 mm thick | m3 | 600 | | |
| 2 | EL.8/PS.DA.[15] | Dumprock subgrade improvement, 300 mm thick | m3 | 300 | | |

TOTAL CARRIED TO SECTION 6 SUMMARY: Earthworks:bulk

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BILL OF QUANTITIES SECTION SUMMARY

SECTION 6 Earthworks:bulk

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| PART DA | EARTHWORKS : BULK | |
| PART EB | GRADED CRUSHED STONE | |
| PART EC | CEMENT TREATED GRADED CRUSHED STONE | |
| PART EL | DUMPROCK SUBGRADE IMPROVEMENT | |
| TOTAL CARRIED TO FINAL SUMMARY | | |

SECTION 7 Road Asphalt**PART ED ROAD ASPHALT**

| Item | Clause | Description | Unit | Quantity | Rate | Amount |
|------|--------|---|----------------|----------|------|--------|
| 1 | ED.8.4 | Tack coat, 0.3 l/m ² shall be sprayed onto road surface | m ² | 55200 | | |
| 2 | PS 17 | Saw Cut existing asphalt surface to a depth of 50mm : PS.17 | m | 9000 | | |
| 3 | PS 16 | Construct Speed Hump at eThekwini Mix "A" asphalt specification with Bitumen of +/-5.7% compacted to 98% MOD ASSHTO, as per drawing no 46352 Rev 001 or 46223 Rev 001 | t | 1400 | | |
| 4 | ED | Private Plant Asphalt 50mm . Bitumen content % as per mix design entered at time of use. | t | 150 | | |
| 5 | ED | Private Plant Asphalt 80mm . Bitumen content % as per mix design entered at time of use. | t | 150 | | |
| 6 | ED | Private Plant Asphalt 100mm. Bitumen content % as per mix design entered at time of use. | t | 150 | | |

TOTAL CARRIED TO SECTION 7 SUMMARY: Road Asphalt

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BILL OF QUANTITIES SECTION SUMMARY

SECTION 7 Road Asphalt

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| PART | ED | ROAD ASPHALT | |
| TOTAL CARRIED TO FINAL SUMMARY | | | |

SECTION 8 Kerbs and Haunches**PART EF KERBS AND HAUNCHES**

| Item | Clause | Description | Unit | Quantity | Rate | Amount |
|------|-----------|--|------|----------|------|--------|
| 1 | EF.8.1 PS | Supply and Lay Figure 12 kerb barrier kerb with concrete channel as detailed on drawing No.38577 | m | 9000 | | |
| 2 | EF.8.1 | Supply and Lay Figure.6 Type E Mountable kerb as detailed on Drawing No. 38577 | m | 9000 | | |
| 3 | EF.8.1 | Extra over item 1,2,3 for curves of radius less than 25 m | m | 1500 | | |
| 4 | EF.8.1 | Scoop kerb and channel (Type A) including transition kerb | m | 500 | | |

TOTAL CARRIED TO SECTION 8 SUMMARY: Kerbs and Haunches

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BILL OF QUANTITIES SECTION SUMMARY

SECTION 8 Kerbs and Haunches

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| PART | EF | KERBS AND HAUNCHES | |
| TOTAL CARRIED TO FINAL SUMMARY | | | |

SECTION 9 Sidewalk, footpaths and Median Areas**PART EG SIDEWALKS, FOOTPATHS and MEDIAN AREAS**

| Item | Clause | Description | Unit | Quantity | Rate | Amount |
|------|------------------------------------|---|------|----------|------|--------|
| 1 | EG.8.1 EG 5.1 EG187.7 EG1567 | Asphalt sidewalk/footpath with 100mm G2 graded crushed stone overlaid by 25mm Mix A Asphalt (Rate to include weedkiller) | m2 | 11000 | | |
| 2 | EG.8.2 PS | Supply and lay precast concrete steps 1m wide inclusive of all excavations and preparations. Rate to include 75mm grade 20/1 concrete base as per standard Drawing No.38581 | m2 | 100 | | |
| 3 | EG.8.5 EG 5.4 | Asphalt vehicular access hardening with 150mm G2 graded crushed stone overlaid by 30mm Mix A asphalt (Rate to include weedkiller) | m2 | 10000 | | |
| 4 | EG.8.2 PS | Supply and Install handrail posts as per standard Drawing No.38581 | m | 250 | | |

TOTAL CARRIED TO SECTION 9 SUMMARY: Sidewalk, footpaths and Median Areas

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BILL OF QUANTITIES SECTION SUMMARY

SECTION 9 Sidewalk, footpaths and Median Areas

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| PART | EG | SIDEWALKS, FOOTPATHS and MEDIAN AREAS | |
| TOTAL CARRIED TO FINAL SUMMARY | | | |

SECTION 10 Guardrails**PART EH STEEL GUARDRAILS & CONC. MEDIAN BARRIERS**

| Item | Clause | Description | Unit | Quantity | Rate | Amount |
|-------------------------|---------------------|---|------|----------|------|--------|
| STEEL GUARDRAILS | | | | | | |
| 1 | EH 8.1 PS 22.1 | Supply and install straight steel guard rails as per Drawing No. 38580. | m | 2500 | | |
| 2 | EH 8.1 PS 22.1 | Supply and install curved steel guardrails. Refer to Annexure for detail. | m | 1000 | | |
| 3 | EH.5.1.2 PS 22.2 | Single head post as per Drawing No. 38580. | no. | 900 | | |
| 4 | EH 5.1.3 | Fish Tail type end. Refer to annexure for detail. | no. | 300 | | |
| 5 | EH 5.1.3 | Bull Nose Type end. Refer to Annexure for detail. | no. | 300 | | |

TOTAL CARRIED TO SECTION 10 SUMMARY: Guardrails

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BILL OF QUANTITIES SECTION SUMMARY

SECTION 10 Guardrails

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| PART | EH | STEEL GUARDRAILS & CONC. MEDIAN BARRIERS | |
| TOTAL CARRIED TO FINAL SUMMARY | | | |

SECTION 11 Protection Works**PART F PROTECTION WORKS**

| Item | Clause | Description | Unit | Quantity | Rate | Amount |
|------|----------|--|------|----------|------|--------|
| 1 | F.8.1 | Topsoiling from stockpile | m2 | 250 | | |
| 2 | PS.21 | Supply and erect concrete bollard as per standard drawing No. 38580. Rate to include for backfill and compaction in all material | no. | 500 | | |
| 3 | | Re-erect 0-1.8m high wire mesh fence using materials stored on site | m | 100 | | |
| 4 | | Re-erect 0-1,8 m high precast concrete fence using materials stored on site | m | 100 | | |
| 5 | AA.F.[.] | Supply and lay 2,4m high clear view fence | m | 600 | | |

TOTAL CARRIED TO SECTION 11 SUMMARY: Protection Works

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BILL OF QUANTITIES SECTION SUMMARY

SECTION 11 Protection Works

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| PART F | PROTECTION WORKS | |
| TOTAL CARRIED TO FINAL SUMMARY | | |

SECTION 12 Manholes and Appurtenant Drainage Works**PART PH MANHOLES and APPURTENANT DRAINAGE WORKS**

| Item | Clause | Description | Unit | Quantity | Rate | Amount |
|------|--------|---|------|----------|------|--------|
| 1 | PH.8.7 | Raise/lower cast iron valve cover in paved area by :- - 0 to 250 mm | no. | 20 | | |
| 2 | PH.8.7 | Raise/lower cast iron valve cover paved area by :- - 250 to 500 mm | no. | 20 | | |
| 3 | PH.8.7 | Raise/lower existing manhole with concrete cover and frame in paved area by :- - 0 to 250 mm | no. | 20 | | |
| 4 | PH.8.7 | Raise/lower existing manhole with concrete cover and frame in paved area by :- - 250 to 500 mm | no. | 20 | | |
| 5 | PH.8.3 | Standard inlet type S1. Depth :- - Over 0,0 m and not exceeding 1,5 m. Refer to eThekwini Standard Drawing No. 38572. | no. | 4 | | |
| 6 | PH.8.3 | Standard inlet type S2. Depth :- - Over 0,0 m and not exceeding 1,5 m. Refer to eThekwini Standard Drawing No. 38572. | no. | 4 | | |
| 7 | PH.8.3 | Standard inlet type D3. Depth :- - Over 0,0 m and not exceeding 1,5 m. Refer to eThekwini Standard Drawing No. 38572. | no. | 4 | | |
| 8 | PH.8.3 | Standard inlet type S3. Depth :- - Over 0,0 m and not exceeding 1,5 m | no. | 5 | | |
| 9 | PH.8.2 | Standard precast concrete ring manhole. Heavy duty cast iron cover and frame - Over 0 m and not exceeding 1,5 m | no. | 10 | | |

TOTAL CARRIED TO SECTION 12 SUMMARY: Manholes and Appurtenant Drainage Works

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BILL OF QUANTITIES SECTION SUMMARY

SECTION 12 Manholes and Appurtenant Drainage Works

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| PART | PH | MANHOLES and APPURTENANT DRAINAGE WORKS | |
| TOTAL CARRIED TO FINAL SUMMARY | | | |

SECTION 13 Road Signs**PART TA ROAD SIGNS**

| Item | Clause | Description | Unit | Quantity | Rate | Amount |
|------|----------------|--|------|----------|------|--------|
| 1 | TA.1 PS 18.1 | Supply and erect W332 road sign on class 4 and 5 roads as per Drawing No. 4262A Rev 001. Rate to include for W332 road sign as per specification, clamps, bolts, nuts and assembly | no. | 700 | | |
| 2 | TA 8.2 PS 18.2 | Supply and erect 76mm x 2mm square hot dipped galvanised post with soilcrete base (350mm x 350mm x 800mm deep), excavation, backfill, compaction and removal of any excess material to tip as per Drawing No. 4262A Rev 001. Rate to include for haulage | no. | 1400 | | |
| 3 | TA.1 PS 18.3 | Supply and install road sign W401 and W402 on bollard. The four corners of the sign is to be bolted. The bolt shaft is to be epoxied | no. | 500 | | |
| 4 | TA 3.4 PS 22.3 | Supply and Install Reflective Plates on guard rails | no. | 450 | | |

TOTAL CARRIED TO SECTION 13 SUMMARY: Road Signs

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BILL OF QUANTITIES SECTION SUMMARY

SECTION 13 Road Signs

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| PART | TA | ROAD SIGNS | |
| TOTAL CARRIED TO FINAL SUMMARY | | | |

SECTION 14 Road Marking**PART TB ROAD MARKINGS**

| Item | Clause | Description | Unit | Quantity | Rate | Amount |
|------|-------------------|--|------|----------|------|--------|
| 1 | TB.8.1.1 PS.20 | Painted road lines 100-150mm wide (White), with retro reflective paint in the road centre line, including setting out and premarking. Rate to include for two coats of paint as per manufacturers specification. Paint must be SABS approved. | m | 3000 | | |
| 2 | TB.8.1.1 PS.20 | Painted road lines 200m wide (White), with retro reflective paint on speed hump, rate to include setting out and premarking of speed hump (WM10). Rate to include for two coats of painting as per manufacturers specification. Paint must be SABS approved. Refer to Drawing 46352 Rev 001 or 46223 Rev 001 | m | 1800 | | |
| 3 | TB.8.3 PS.19 | Supply and install double-sided red/red 43 Alluminium Lynx Studs with anchor shanks. Rate to include for cleaning road surface, drilling the anchor hole and supply of epoxy. Refer to Drawing 43924A/1 | no. | 1200 | | |
| 4 | TB.8.1.1 PS.20 | Supply and Install double-sided yellow/yellow 43 Alluminium Lynx Studs with anchor shanks. Rate to include for cleaning road surface, drilling the anchor hole and supply of epoxy. Refer to Drawing 43924A/1 | m | 1200 | | |
| 5 | TB.8.1.1 PS.20 | Painted road lines 300mm wide (White) RTM 1 Stop Line, including setting out and premarking (refer to SARTSM Traffic Signal Design - VOL 3 Chapter 5.10 - 5.13) | m | 150 | | |
| 6 | TB.8.1.1 PS.20 | Painted road lines 300mm wide (White) RTM 2 Yield, including setting out and premarking (refer to SARTSM Traffic Signal Design - VOL 3 Chapter 5.10 - 5.13) | m | 150 | | |
| 7 | TB.8.1.1 PS.20 | Painted road lines 100mm wide (White) RM 3 Pedestrian crossing line, including setting out and premarking (refer to SARTSM Traffic Signal Design - VOL 3 Chapter 5.10 - 5.13) | m | 500 | | |
| 8 | TB.8.1.1 PS.20 | Painted road lines 100mm wide (White) RM 1 No Overtaking line including setting out and premarking (refer to SARTSM Traffic Signal Design - VOL 3 Chapter 5.10 - 5.13) | m | 350 | | |

BILL OF QUANTITIES SECTION SUMMARY

SECTION 14 Road Marking

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| PART | TB | ROAD MARKINGS | |
| TOTAL CARRIED TO FINAL SUMMARY | | | |

Part Continued **PART** TB ROAD MARKINGS

| Item | Clause | Description | Unit | Quantity | Rate | Amount |
|------|-------------------|--|------|----------|------|--------|
| 9 | TB.8.1.1 PS.20 | Painted road lines 100mm wide (White) RM 3 Channelising / Staking line, including setting out and premarking (refer to SARTSM Traffic Signal Design - VOL 3 Chapter 5.10 - 5.13) | m | 650 | | |
| 10 | TB.8.1.1 PS.20 | Painted road lines 100mm wide (White) RM 3 Dividing line, including setting out and premarking (refer to SARTSM Traffic Signal Design - VOL 3 Chapter 5.10 - 5.13) | m | 650 | | |
| 11 | TB.8.1.1 PS.20 | Painted road lines 100mm wide (yellow) RM 4.1 Left Edge Line, including setting out and premarking (refer to SARTSM Traffic Signal Design - VOL 3 Chapter 5.10 - 5.13) | m | 350 | | |
| 12 | TB.8.1.2 | Painted road lines 100mm wide (white) RM 4.2 Right Edge Line, including setting out and premarking (refer to SARTSM Traffic Signal Design - VOL 3 Chapter 5.10 - 5.13) | m2 | 350 | | |
| 13 | TB.8.1.2 | Road Marking for lettering, symbols and traffic islands (white), including setting out lettering, symbols and traffic island markings. (refer to SARTSM Traffic Signal Design - VOL 3 Chapter 5.10 - 5.13) | m2 | 20 | | |
| 14 | TB.8.1.2 | Road Marking for lettering, symbols and traffic islands (yellow), including setting out lettering, symbols and traffic island markings. (refer to SARTSM Traffic Signal Design - VOL 3 Chapter 5.10 - 5.13) | m2 | 20 | | |

TOTAL CARRIED TO SECTION 14 SUMMARY: Road Marking

R

SECTION 15 Reinstatement**PART S REINSTATEMENT**

| Item | Clause | Description | Unit | Quantity | Rate | Amount |
|------|--------|---|------|----------|------|--------|
| 1 | S.8.1 | Reinstatement of ground surface to match existing | m2 | 50 | | |
| 2 | S.8.2 | Reinstatement of concrete sidewalk / median | m2 | 50 | | |
| 3 | S.8.2 | Reinstatement of paved sidewalk / median - brick paving | m2 | 50 | | |
| 4 | S.8.2 | Reinstatement of asphalt sidewalk / median 25mm | m2 | 50 | | |

TOTAL CARRIED TO SECTION 15 SUMMARY: Reinstatement

R

BILL OF QUANTITIES SECTION SUMMARY

SECTION 15 Reinstatement

| | | |
|--------------------------------|---------------|--|
| PART S | REINSTATEMENT | |
| TOTAL CARRIED TO FINAL SUMMARY | | |

SUMMARY OF BILL OF QUANTITIES

Section

| | | | |
|---|---|---|-------|
| 1 Preliminaries | | R | _____ |
| AA PRELIMINARIES | R | | _____ |
| 2 General Specifications | | R | _____ |
| AB GENERAL SPECIFICATIONS | R | | _____ |
| 3 Occupational Health and Safety | | R | _____ |
| AH OCCUPATIONAL HEALTH and SAFETY | R | | _____ |
| 4 Site Clearance | | R | _____ |
| B SITE CLEARANCE | R | | _____ |
| 5 Concrete works | | R | _____ |
| C CONCRETE WORK | R | | _____ |
| 6 Earthworks:bulk | | R | _____ |
| DA EARTHWORKS : BULK | R | | _____ |
| EB GRADED CRUSHED STONE | R | | _____ |
| EC CEMENT TREATED GRADED CRUSHED STONE | R | | _____ |
| EL DUMPROCK SUBGRADE IMPROVEMENT | R | | _____ |
| 7 Road Asphalt | | R | _____ |
| ED ROAD ASPHALT | R | | _____ |
| 8 Kerbs and Haunches | | R | _____ |
| EF KERBS AND HAUNCHES | R | | _____ |
| 9 Sidewalk, footpaths and Median Areas | | R | _____ |
| EG SIDEWALKS, FOOTPATHS and MEDIAN AREAS | R | | _____ |
| 10 Guardrails | | R | _____ |
| EH STEEL GUARDRAILS & CONC. MEDIAN BARRIERS | R | | _____ |
| 11 Protection Works | | R | _____ |
| F PROTECTION WORKS | R | | _____ |
| 12 Manholes and Appurtenant Drainage Works | | R | _____ |
| PH MANHOLES and APPURTENANT DRAINAGE WORKS | R | | _____ |
| 13 Road Signs | | R | _____ |
| TA ROAD SIGNS | R | | _____ |
| 14 Road Marking | | R | _____ |
| TB ROAD MARKINGS | R | | _____ |
| 15 Reinstatement | | R | _____ |
| S REINSTATEMENT | R | | _____ |

Section

| | | |
|---|---|-------|
| SUB TOTAL | R | _____ |
| ADD VAT (15%) - (only if a registered VAT Vendor) | R | _____ |
| TOTAL CARRIED TO FORM OF TENDER | R | _____ |
