

APPENDIX A – SITE PHOTOGRAPHS

Culvert 10875: TR 83/1 at km 26.24



Condition of the road reserve at TR 83/1 km 25.78.



Condition of the newly surfaced road and road reserve at TR 83/1 km 25.78.



km 26 marker off TR 83/1.



Newly surfaced and installed guardrails at culvert 10875 off TR 83/1.



Trimming and removal of dense vegetation at the inlet and outlet and removal of silt deposits inside the barrel.



Trimming and removal of dense vegetation at the inlet and outlet and removal of silt deposits inside the barrel.



Trimming and removal of dense vegetation at the inlet and outlet and removal of silt deposits inside the barrel.



Trimming and removal of dense vegetation at the inlet and outlet and removal of silt deposits inside the barrel.

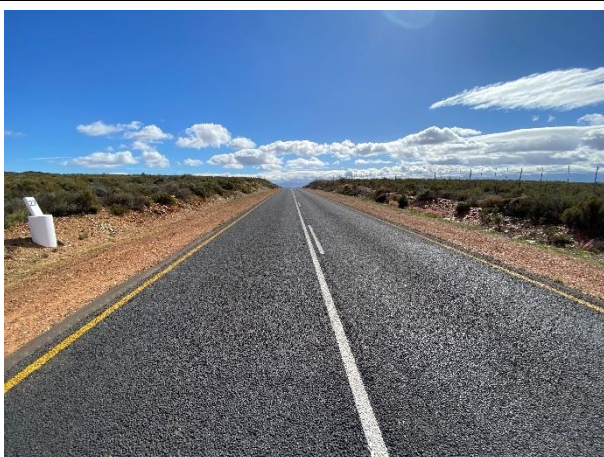


Trimming and removal of dense vegetation at the inlet and outlet and removal of silt deposits inside the barrel.



Trimming and removal of dense vegetation at the inlet and outlet and removal of silt deposits inside the barrel.

Culvert 10874: TR83/1 at km 29.99



Condition of the newly surfaced road and road reserve at TR 83/1 km 27.



km 27 marker off TR 83/1.



Culvert off TR 83/1 as km 29.



Removal and trimming of dense vegetation at the inlet and outlet.



Culvert off TR 83/1 as km 29.



Culvert off TR 83/1 as km 29.



Condition of the newly surfaced road and road reserve at TR 83/1 km 29.



Condition of the vegetation along Culvert 10874.



km 30 marker off TR 83/1.



Condition of the vegetation along Culvert 10874.



Removal of silt deposits inside the barrel and carting thereof to spoil.



Removal of silt deposits inside the barrel and carting thereof to spoil.



Condition of the vegetation along Culvert 10874.



Condition of the vegetation along Culvert 10874.

Culvert 10692: TR 83/1 at km 30.63



Condition of the newly surfaced road and road reserve at TR 83/1 km 30.



Clearance of accumulation of debris and silt deposits within the barrel.



Condition of the vegetation surrounding Culvert 10692 at km 30.63



Clearance of accumulation of debris and silt deposits within the barrel.



Gabion steps extending downward from the culvert to stabilise the slope and manage water flow.



Condition of the vegetation surrounding Culvert 10692 at km 30.63



Clearance of accumulation of debris and silt deposits within the barrel.



Condition of the vegetation surrounding Culvert 10692 at km 30.63

Culvert 10089: TR 83/1 at 50.82



km 50 marker off TR 83/1.



Condition of the newly installed guardrails and road surface at Culvert 10089.



Sloping headwall sealed by injection, and cracks cut back and repaired using a cementitious repair compound.



Clearance of dense vegetation and debris from the culvert.



Installation of gabion baskets along the waterway and embankments to prevent further scouring and erosion.



Clearance of the Armco barrel walls and the painting of affected corroded areas.



Installation of gabion baskets along the waterway and embankments to prevent further scouring and erosion.



Condition of the vegetation surrounding the culvert.

Culvert 10867: TR 83/1 at km 52.61



km 52 marker off TR 83/1.



Condition of the newly installed guardrails and road surface at Culvert 10867.



The construction of a new headwall, apron slab and wingwalls at the outlet.



New gabion mattresses installed at the outlet.



New gabion mattresses installed at the outlet.



New prefabricated concrete pipe within the existing culvert.

Bridge 5090: TR 83/1 at km 52.91



Condition of the newly installed guardrails and road surface at Culvert Bridge 5090.



Condition of the vegetation surrounding the bridge. Fencing seemed to have been dismantled.



Condition of Bridge 5090.



Repairing of cracks on the wingwalls and headwalls.



Repairing of cracks on the wingwalls and headwalls.



Removal of vegetation overgrowth and silt deposits surrounding Bridge 5090.



Condition of the vegetation surrounding the bridge.



Condition of the vegetation surrounding the bridge.



Condition of the vegetation surrounding the bridge. Some fencing is seen on the ground which has been replaced.



Condition of Bridge 5090.



Replaced expansion movement joints.



Replaced expansion movement joints



Replaced expansion movement joints



Replaced expansion movement joints

Bridge 5007: TR 83/1 at km 54.00



km 53 marker off TR 83/1.



Condition of the newly installed guardrails and road surface at Bridge 5007.



Condition of the vegetation surrounding the bridge. Fencing in place.



Replaced expansion movement joints.



Replaced expansion movement joints at the piers and abutments with Thorma joints.



Condition of the vegetation surrounding the bridge.



Condition of the vegetation surrounding the bridge.



Condition of the vegetation surrounding the bridge.



Installation of gabion baskets along the waterway and embankments to prevent further scouring and erosion.



Condition of the vegetation surrounding the bridge.
Fencing in place.



Installation of gabion baskets along the waterway and embankments to prevent further scouring and erosion.



Installation of gabion baskets along the waterway and embankments to prevent further scouring and erosion.



Installation of gabion baskets along the waterway and embankments to prevent further scouring and erosion.



Removal of vegetation overgrowth and debris deposits on the foundations



Removal of vegetation overgrowth and debris deposits on the foundations



Condition of Bridge 5007.



Installation of gabion baskets along the waterway and embankments to prevent further scouring and erosion.



Installation of gabion baskets along the waterway and embankments to prevent further scouring and erosion.

Culvert 10867: TR 83/1 at 55.19



km 55 marker off TR 83/1.



Condition of the newly installed guardrails and road surface at Culvert 10867.



Timber-reinforced embankment slope.



The existing deck at both the inlet and outlet demolished and reconstructed with a raised headwall.



Condition of the vegetation surrounding the culvert. Fencing in place.



Concrete culvert outlet with vegetated channel and timber-reinforced embankment slope.



Condition of the vegetation surrounding the culvert.
Fencing in place.



Condition of the newly installed guardrails and road surface at Culvert 10867.



Condition of the vegetation surrounding the culvert.
Fencing in place.



Condition of the vegetation surrounding the culvert.

Bridge 4837: TR 83/1 at km 57.49



km 57 marker off TR 83/1.



Small stormwater system adjacent to bridge 4837.



Inlet of the small stormwater system adjacent to bridge 4837.



Condition of the vegetation surrounding the small culvert.



Condition of the newly installed guardrails and road surface.



Inlet of the small stormwater system adjacent to bridge 4837.



Condition of the newly installed guardrails and road surface at bridge 4837.



Replaced expansion movement joints.



Concrete spalling repaired with an epoxy repair mortar.



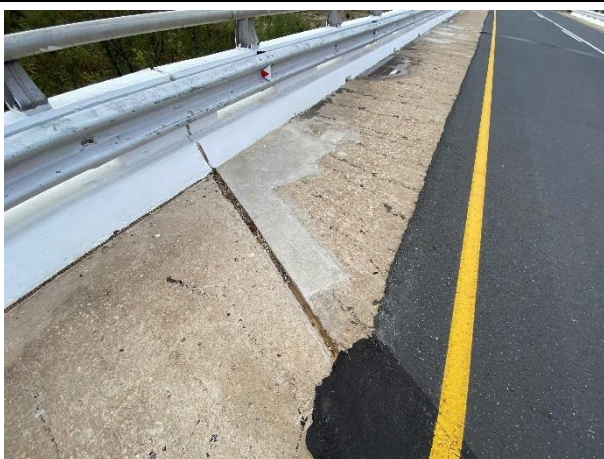
Removal of dense vegetation overgrowth and debris deposits.



Removal of dense vegetation overgrowth and debris deposits.



Condition of the vegetation surrounding the bridge.



Concrete spalling repaired with an epoxy repair mortar.



Condition of Bridge 4837.



Condition of Bridge 4837.



Repairs of vertical and horizontal cracks.



Repairs of vertical and horizontal cracks



Removal of dense vegetation overgrowth and debris deposits.



Backfilling and dump rock riprap around the piers and abutments.



Backfilling and dump rock riprap around the piers and abutments.

Bridge 4838: TR 83/1 at km 57.61



Removal of dense vegetation overgrowth and debris deposits underneath bridge 4838.



Repairs of vertical and horizontal cracks.



Repairs of vertical and horizontal cracks.



Condition of the vegetation surrounding the bridge.



Condition of Bridge 4838.



Replaced expansion movement joints.

Bridge 5359: TR 83/2 at km 6.73



Condition of the road reserve at TR 83/2.



Condition of the road reserve and surface of TR 83/2.



Upgraded side drains off TR 83/2.



Condition of the road reserve at TR 83/2.



Condition of the newly installed guardrails and road surface at bridge 5359.



Overgrown vegetation due to the recent rainfall.



Replaced expansion movement joints.



Condition of the vegetation surrounding the bridge.



Replaced expansion movement joints.



Timber-reinforced embankment slope.



Repairing of cracks.



Repairing of cracks.

Site Camp



Previous site camp notice board.



Contractor's notice boards remain stored at the site camp.



Previous site camp notice board.



Previous site camp storage facility.

Culvert 10972: TR 83/2 at km 9.32



Clearance of dense vegetation and removal of the debris from the waterway.



Clearance of dense vegetation and removal of the debris from the waterway.



Clearance of dense vegetation and removal of the debris from the waterway. Fencing is in place.



Condition of the vegetation surrounding the bridge.



Regraded banks of the bridge.



Regraded banks of the bridge.

Construction Camp



Entrance of the construction camp.



Condition of the construction camp with remained material stockpiles.



Condition of the construction camp with remained material stockpiles.



Remaining material stockpiles at the construction camp.



Vegetation debris located at the construction camp.



Vegetation debris located at the construction camp.



Remaining material stockpiles at the construction camp.



Oil and fuel residues remained at the construction camp.



Remaining material stockpiles at the construction camp.



Remaining material stockpiles at the construction camp.



Remaining material stockpiles at the construction camp.



Condition of the former bitumen storage area within the construction camp.

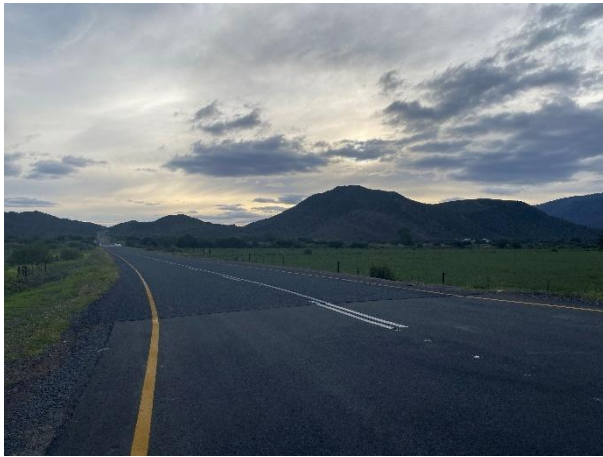


Condition of the former bitumen storage area within the construction camp.



Condition of the former bitumen storage area within the construction camp.

Bridge 5490: TR83/2 at km 15.56



Condition of the road reserve and surface of TR 83/2.



Condition of the newly installed guardrails and road surface at bridge 5490.



Replaced expansion movement joints.



Replaced expansion movement joints.



Overgrown vegetation due to the recent rainfall.



Condition of the vegetation surrounding the bridge.



Replaced expansion movement joints.



Condition of the vegetation surrounding the bridge.

Culvert 10976: TR83/2 at km 19.93



Condition of the newly installed guardrails and road surface at culvert 10976.



Repairs of vertical and horizontal cracks.



Repairs of vertical and horizontal cracks.



Removal of vegetation overgrowth and silt deposits.



Removal of vegetation overgrowth and silt deposits.



Repairs of vertical and horizontal cracks.

Culvert un-numbered: TR83/2 at km 20.37



Condition of the newly installed guardrails and road surface.



Condition of the vegetation surrounding the culvert.
Fencing in place.



Removal of vegetation overgrowth and silt deposits.



Removal of vegetation overgrowth and silt deposits.



Removal of vegetation overgrowth and silt deposits.



Condition of the vegetation surrounding the culvert. Fencing in place.

Culvert 10977: TR83/2 at km 22.25



Condition of the newly installed guardrails and road surface.



Backfill of the eastern and western cell.



Removal of vegetation overgrowth and silt deposits.



Backfill of the eastern and western cell.



Cracks repaired with a cementitious repair compound.



Repairs of vertical and horizontal cracks.



Condition of the vegetation surrounding the culvert.

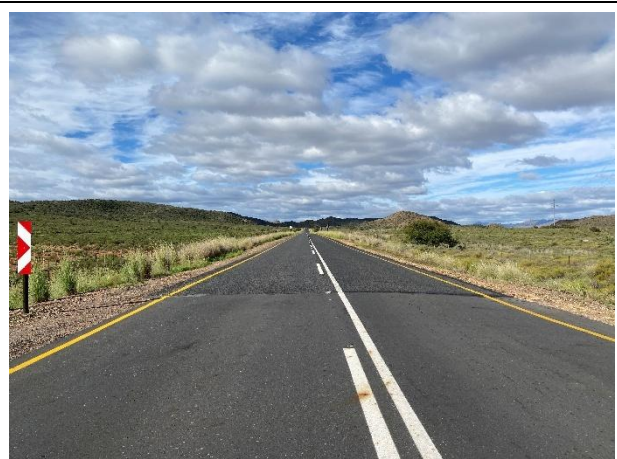


Backfill of the eastern and western cell.

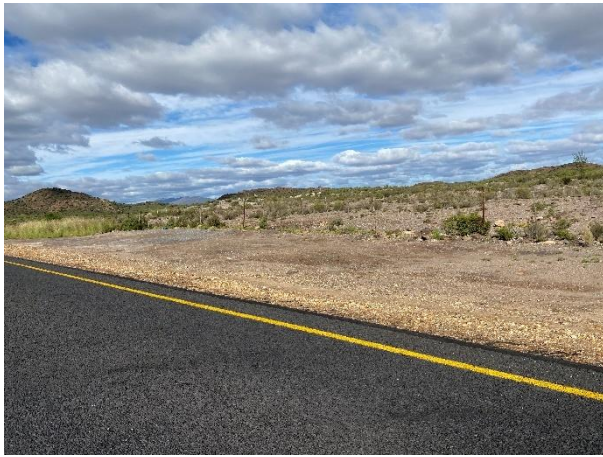
Bridge 9061: MR 365 at km 3.30



Condition of the road reserve at MR 365.



Condition of the road reserve and surface of MR 365.



Condition of the road reserve and surface of MR 365.



Condition of the newly installed guardrails and road surface.



Condition of the newly installed guardrails and road surface.



Cleared vegetation and removed debris in the waterway.



Condition of bridge 9061.



Repairs of vertical and horizontal cracks.



Repairs of vertical and horizontal cracks.



Repairs of vertical and horizontal cracks on the wingwalls.



Concrete spalling repaired with an epoxy repair mortar.



Condition of the vegetation surrounding the bridge.

Culvert 10969: MR 365 at km 4.54



Condition of the newly installed guardrails and road surface.



Condition of the vegetation surrounding the culvert.



Overgrown vegetation due to the recent rainfall.



Overgrown vegetation due to the recent rainfall.



Removal of vegetation overgrowth and silt deposits.



Concrete spalling and cracks repaired with an epoxy repair mortar.



Concrete spalling and cracks repaired with an epoxy repair mortar.



Condition of the vegetation surrounding the culvert. Fencing in place.

Culvert 10970: MR 365 at km 5.57



Condition of the newly installed guardrails and road surface.



Condition of the vegetation surrounding the culvert.



Removal of vegetation overgrowth and silt deposits.



Removal of vegetation overgrowth and silt deposits.



Repaired vertical and horizontal cracks in the abutment, piers, and wingwalls.



Repaired vertical and horizontal cracks along with concrete spalling in the abutment, piers, and wingwalls.



Removal of vegetation overgrowth and silt deposits.



Removal of vegetation at wingwalls and the installation of gabion boxes.



Removal of vegetation at wingwalls and the installation of gabion boxes.



Removal of vegetation at wingwalls and the installation of gabion boxes.



Removal of vegetation overgrowth and silt deposits.



Removal of vegetation at wingwalls and the installation of gabion boxes.

Culvert 10971: MR 365 at km 8.33



Upgraded side drains off MR 365.



Condition of the newly installed guardrails and road surface.



Condition of Culvert 10971.



Repaired vertical and horizontal cracks along with concrete spalling in the abutment, piers, and wingwalls.



Replacement of the missing culvert number.



Condition of the vegetation surrounding the culvert.



Condition of the vegetation surrounding the culvert.



Removal of debris from the waterway.



Repaired vertical and horizontal cracks along with concrete spalling in the abutment, piers, and wingwalls.



Condition of the vegetation surrounding the culvert.



Condition of the vegetation surrounding the culvert.



Removal of debris from the waterway.

Bridge 4515: MR 365 at km 13.10



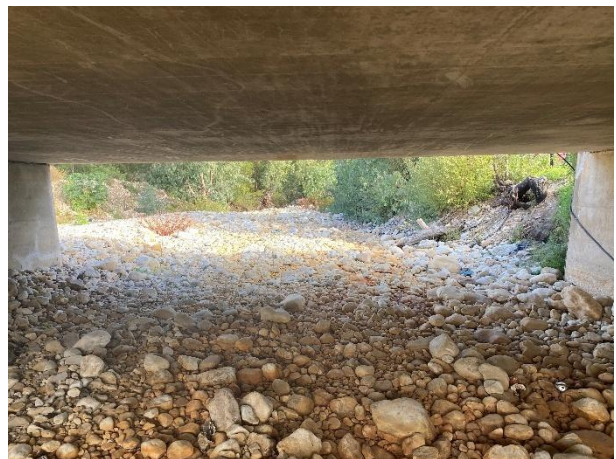
Condition of the vegetation surrounding the culvert.



Condition of the vegetation surrounding the culvert.



Condition of the vegetation surrounding the culvert.



Removal of debris from the waterway.



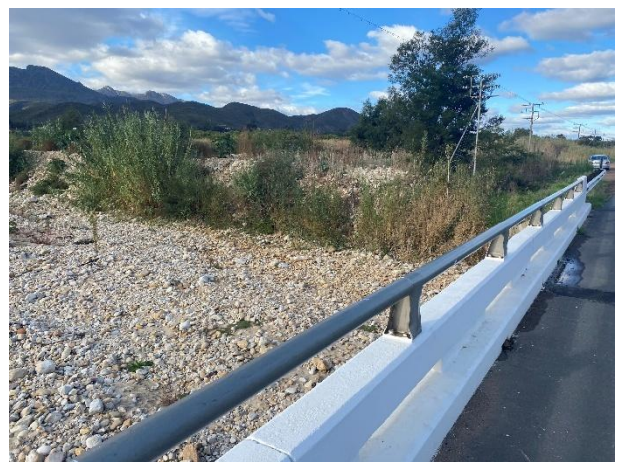
Removal of debris from the waterway.



Condition of bridge 4515.

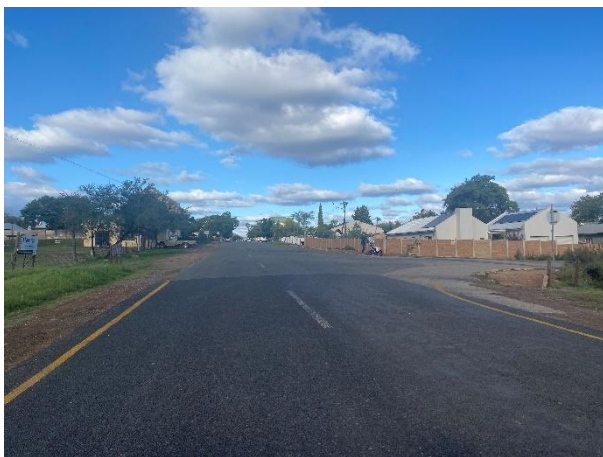


Condition of bridge 4515.



Condition of the vegetation surrounding the culvert.

Culvert Unknown Number: TR31/5 at km 0.7



Condition of the road reserve and surface of TR 31/5.



Overgrown vegetation due to the recent rainfall.



Overgrown vegetation due to the recent rainfall.



Repaired culvert.



Repaired culvert.



Removal of vegetation and debris from the waterway.



Removal of vegetation and debris from the waterway.



Overgrown vegetation due to the recent rainfall.