

## 3. SANDTON

### SUMMARY

The proposed Sandton station will be located partially under Rivonia Road between 5th Street in the south and West Street in the north.

## **ROAD WORKS**

### **ROAD CLOSURE**

The northbound carriageway of Rivonia Road (between 5th and West Streets) will be closed from January 2007 after the Katherine Drive and West Street upgrades are complete.

### **ROAD DIVERSION**

Northbound traffic will remain in Rivonia Road and will be diverted past the station in the previous southbound lane.

Southbound traffic will be diverted along West Street onto Katherine from where it will follow Katherine back onto Rivonia Road.

The secondary diversion will be along Fredman Drive into 5th Street.

### **DURATION**

Katherine and West Street upgrades will start in September 2006 and will be completed in January 2007.

The northbound carriageway of Rivonia Road will be closed after the completion of Katherine and West Street upgrades (January 2007) until the completion of the Sandton Station construction (i.e. end 2009) when it will be re-established.

### **UTILITY WORK**

Telkom and Eskom cables, and water and sewerage pipes interfering with the future Sandton station will be relocated. Work will start in May and is planned to be completed in October.

### **DEMOLITION**

The old City Hall and Block C of the City of Johannesburg Municipal buildings will be demolished to make way for the new Sandton Station. Demolition should start in October 2006.

### **FOUNDATIONS**

Mobilization for station foundations is planned for early January 2007 while the start of the piling is planned for approximately four weeks after mobilisation.



SANDTON - DETAILED DESCRIPTION OF WORK

DESCRIPTION OF ACTIVITY	AREA/S AFFECTED	IMPACT ON THE PUBLIC	DATES	DURATION
Telkom cables relocation along West Street. This will involve re-routing existing cables (copper and optic fibres) and reconnecting to the existing network	Along the western traffic lane of West Street from the intersection of West Street and Rivonia Road to 200 m past the parking garage	Works on pathways and temporary closure of road lanes to allow roads crossing	May 2006 - October 2006	6 months
Waterpipe relocation	Around the future Sandton Station (under Rivonia Road between 5th Street in the south and West Street in the north)	Works on pathways and temporary closure of road lanes to allow roads crossing	May 2006 - August 2006	4 months
Blast test	In the Library parking	Rivonia Road traffic closure for 30 minutes	End May 2006	Done
Site installation for foundation work in proposed station area	Library parking and fountain Cnr Rivonia Road and West Street	Closure of library parking area. Use of alternative.	November 2006	Full contract duration
Install power line, substation and transformers for temporary site needs	Mushroom Farm Park and City Of Joburg Land	None	January 2007	Ongoing
Demolish Metro block 'C'	Metro block 'C'	None	October 2006 - December 2006	2 Months
Demolish Sandown Hall	Sandown Hall	None	January 2007 - February 2007	2 Months



SANDTON - DETAILED DESCRIPTION OF WORK (cont.)

DESCRIPTION OF ACTIVITY	AREA/S AFFECTED	IMPACT ON THE PUBLIC	DATES	DURATION
Start piling for shaft walls	Library parking and fountain	Closure of library parking	November 2006	7 months then construction to end 2009
Close existing Metro/Library parking area	Metro/Library parking and fountain area	No further parking available in this area	January 2007	One Day
Eskom cable relocation	Around the future Sandton Station (under Rivonia Road between 5th Street in the south and West Street in the north)	Works on pathways and temporary closure of road lanes (5th Street, West Street and Rivonia Road) to allow road crossing	August 2006 – October 2006	3 months
Sewer pipes	Around the future Sandton Station (under Rivonia Road between 5th Street in the south and West Street in the north)	Works on pathways and temporary closure of road lanes (5th Street, West Street and Rivonia Road) to allow roads crossing	August 2006 – September 2006	2 months
Construction of additional lanes	Along Katherine Drive and West Street (5000m <sup>2</sup> of new road) and removal of some trees	Partial closure of lanes along Katherine Drive & West Street to allow road upgrades	August 2006 – January 2007	4 months
Relocation/installation of traffic lights (27 units)	Katherine Drive and West Street	Partial closure of lanes along Katherine Drive & West Street to allow works	August 2006 – November 2006	4 months



SANDTON - DETAILED DESCRIPTION OF WORK (cont.)

DESCRIPTION OF ACTIVITY	AREA/S AFFECTED	IMPACT ON THE PUBLIC	DATES	DURATION
Removal of advertising panels (four units)	On the pathway along Rivonia Road & Katherine Drive	None	October 2006 - November 2006	1 month
Taxi Rank relocation	By City of Joburg - to cnr Rivonia and West Street	None (new area in close proximity to the old)	January 2007	1 Week
Construction of new temporary taxi rank & Metro parking	Area in front of library including existing carports	Reduced parking in front of Metro buildings	September 2006 - February 2007	5 months
Open new Metro parking for use	Metro/Library parking	None	December 2006	2 days
Start of piling	Metro/Library parking and fountain area	None	February 2007	7 months



## MUSHROOM FARM PARK

DESCRIPTION OF ACTIVITY	AREAS/AFFECTED	IMPACT ON THE PUBLIC	DATES	DURATION
Notice/Information boards erection :	Template ,streets and position to be given by environment and communication dept	None	August/September 2006	For the duration of the work
Fence/hoarding erection	Around Mushroom Farm Park	None	September 2006	2 to 3 weeks
Security guards mobilization on site	Mushroom Farm Park	None	September 2006	permanent
Trees disposal :	Mushroom Farm Park	None	September 2006	1 week
Site installation starting by earthworks and including Tower crane erection ,offices ,etc	Mushroom Farm Park	Noise from earth work equipment and visual impact from crane and others	September 2006 - December 2006	3 months
Shaft ground pre treatment	Mushroom Farm Park	None	October 2006	4 weeks
Crane and others heavy plant mobilization for shaft sinking :	Mushroom Farm Park	Noise and visual impacts	October 2006 - November 2006	4 to 6 weeks
Shaft soil excavation start	Mushroom Farm Park	Noise from excavator and start haulage on roads	November 2006	2 to 4 weeks
Shaft rock excavation ( first blast)	Mushroom Farm Park	Noise ,vibration and dust from first blast until ventilation installation	From end November 2006	8 to 10 weeks
Gantry ,muck out system and noise building erection on top of shaft prior to start full production tunneling	Mushroom Farm Park	Noise and visual impact from carnage and heavy trucks deliveries	March 2007	4 weeks
Start tunneling full production on	Mushroom Farm Park	Heavy haulage on roads, vibration from blasts	From April 2007	Excavation duration

