

DEPARTMENT OF ROADS AND TRANSPORT

TRANSPORT INFRASTRUCTURE HOUSE

TIH Launch

18 March 2021



GAUTENG
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

Growing Gauteng Together

Agenda

1. What is the TIH?
2. Why the TIH?
3. Objective of the TIH
4. Project Management Tools
5. Project Book
 - Planning
 - Design
 - Construction
6. Project Economic Impact

TRANSPORT INFRASTRUCTURE HOUSE

WHAT IS THE TIH?

The TIH consists of senior managers from primarily Infrastructure business units within the Department

Chairperson : MEC

Attendees : MEC /
HOD / **TIH**

Meetings : Weekly

MEC_TIH
COMMITTEE

Chairperson : HOD

Attendees : HOD /
TIH

Meetings : Weekly

HOD_TIH
STEERING
COMMITTEE

Chairperson : TIH
Leader

Attendees : **TIH**

Meetings : Weekly

TRANSPORT
INFRASTRUCTURE
HOUSE (TIH)

TIH Launch

➤ Purpose:

- Invoke Public confidence
- Encourage Investments
- Inform the Public about the projects in the Pipeline

➤ Creating The Story

- **Outline the GGT-TSM 2030**
 - Catalyst for Economic Growth
 - Restructure the Urban Form
 - Gauteng as a Freight and Logistics Hub
 - Data Centric Mobility
 - Building Strong Institutions
- **Improvements to Transport Network**
 - Rehabilitate and Construct New Road Systems
 - Mobility Networks
 - Commercialization of Transport Nodes
 - Expansion of the Fibre Network

TIH Launch

➤ Role of Developers

- **Encourage Investments From Private Developers**
 - Economic stimulus to the Provincial Economy
 - Skills Development and Sustainable Job Creation
 - Key partner in Restructuring Urban Landform
 - Fast tracking of Development
 - Enabling a Smart Province
- **Acknowledge the Stumbling Blocks to Progress – Key Challenges**
 - Communication: Key point of contact
 - Agreements: Time it takes for finalization
 - Misplaced MOAs
 - Project delivery cycle
 - Prolonged Design process
 - SCM process
 - Perceived Governance challenges

TIH Launch

➤ Building Strong Institutions - Doing Things Differently

- Introduction of the TIH to provide Project Management Support
 - Unlock projects within the Pipeline
 - Assist in Streamlining the SCM Process
 - Strengthen Project Management Tools and Processes
- Robust Supply Chain Process to deliver projects faster
 - Streamline of SCM Process
 - Stronger Accountability
- Clearly defined Communication lines and Timeous Decision Making
 - Single Point of Contact
 - Clearly defined Turnaround Times
- Strengthen the Governance
 - SCM Probity Process
- Financial Prudence
 - Accurate Budgeting and Project Prioritization

PROJECT MANAGEMENT TOOLS

➤ PROJECT PERFORMANCE BAROMETER

- Performance tool to measure project progress
- Ensure critical tasks are planned and performed sequentially

➤ ROADS ASSET MANAGEMENT SERVICES (RAMS) VIEWER

- Viewing of the Gauteng Roads Network, which includes bridges, culverts, traffic and project data.
- Link can be found here for public viewing:

<https://pta-gis-2-web1.csir.co.za/portal/apps/sites/#/gpdtrams>

PROJECT MANAGEMENT TOOLS

➤ DRONE TECHNOLOGY

- Monitor progress and identify potential risks
- Statistic aerial image of applicable area: To be able to overlay/compare images over time (i.e. month to month progress) and to be loaded onto RAMS viewer
- “Fly through” video image of the area
- Ability to do measurements and quantification.
- Frequency: Monthly for Construction Projects and also Ad Hoc sites



Project Performance Barometer: Tool

Gauteng Province Department of Roads & Transport: Transport Infrastructure Project Performance Barometer

Thank you for your commitment in using the Transport Infrastructure Project Performance Barometer. This is a tool that must be used to assess the readiness of planning and delivery teams in the Infrastructure delivery lifecycle to progress key infrastructure delivery activities from one phase to the next.



Project Details

Project Description	K43 from K142 (Nirvana drive) to K122 (Union road) (approximately 6.24km)
UNIQUE Project NAME	K43
Chief Directorate	Design & Traffic Engineering
Transport Infrastructure House (TIH) ID No.	2

Overall Status

55%

Infrastructure Manager Details

Name	Mpho Motetsi
Phone Number	+27 63 251 8269
Email	mpho.maleke@gauteng.gov.za / nelson.mulaudzi@gauteng.gov.za

Stakeholder Engagement

Have you involved all Stakeholders in assessing the various phases in this matrix?	
Have you involved the PSPs/Contractors in assessing the various phases in this matrix?	

Assessment Date	16-11-2020
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DP2-Design Project Management	Responsibility	Target Completion Date	Complete	Comments
Please indicate status of the following activities				
Design Implementation Planning Phase				
Gate - Strategic Decision Making Point 1(f) - Preparatory and Briefing of Prefeasibility				
Objective:				
<i>Ensure the project is ready for funding allocation.</i>				
Verify if preliminary design or route determination is available.	Project Manager	2 weeks	Complete	
Project Scope is verified by planning.	Project Manager	1 week	Complete	
Visual condition Assessment report is available.	Project Manager	1 week	N/A	
Conduct Project pre-assessment with GDARD and receive accep	Project Manager	3 weeks	Complete	
Conduct Project pre-assessment with DWS	Project Manager	4 weeks	Complete	
Inspection of illegal settlement in the road reserve.	Project Manager	1 week	Complete	
Inspection of powerlines, services in the road reserve.	Project Manager	1 week	Complete	
Inspection of encroachments (cemeteries, buildings, fences etc) in the road reserve.	Project Manager	1 week	Complete	
Project listing on Appendix D, Ramp document.	Chief Engineer	2 weeks	Complete	
Project listing on the Infrastructure Programme Management Plan (IPMP).	Chief Engineer	2 weeks	Complete	
Project Initiation report (PIR) or Business Case that addresses major risks is approved and accepted by GPT.	Project Manager	4 weeks	Complete	
Development of the Memorandum of Agreement (MOA).	Chief Engineer	6 weeks	N/A	
				100%
Procurement of PSP Phase				
Gate - Strategic Decision Making Point 1(g) - Professional Service Provider Procurement				
Objective:				
<i>Procure a PSP to undertake Technical Engineering Services</i>				
Funds are projecting on ECE and IRM	Chief Director	2 weeks	Complete	
Project is on HOD approved procurement/demand plan.	Director	2 weeks	Complete	
Approved PIR for SCM is available.	Project Manager	1 week	Complete	
Memo to request to advertise has BSC and BEC nominations.	Project Manager	2 weeks	Complete	
Budget on the memo is the same as the budget on PIR and ECE.	Project Manager	1 week	Complete	
Draft Advert is available.	Project Manager	2 weeks	Complete	
Draft tender document is available.	Project Manager	3 weeks	Complete	
				100%

Project Performance Barometer: Tool

Design Phase				
Gate - Strategic Decision Making Point 2 - Contracting and Preliminary Design				
Objective: Ensure contracting and design kick-off is conducted according to Standard Operating Procedures (SOPs)				
Is the award letter received from SCM?	Project Manager	1 week	Complete	
Kick-off meeting held with PSP as per SOPs?	Project Manager	1 week	Complete	
Is the Contract signed by PSP and HOD.	Project Manager	2 weeks	Complete	
Did you Agree on project programme and milestones?	Project Manager	1 week	Complete	
Is the Scope of Work / Appointment (Introduction) done?	PSP	1 week	Complete	
Is the description of Route done?	PSP	4 weeks	Complete	
Are Accesses, intersections and Land use defined?	PSP	4 weeks	Complete	
Are Traffic Aspects considered.	PSP	8 weeks	Complete	
Are topography, climate and rainfall considered?	PSP	12 weeks	Complete	
Are geology, pavement design and materials complete?	PSP	6 weeks		Ong going (50% complete)
Impact on the environment / Environmental aspects	PSP	1 year		EIA application in progress
Are design standards and Shifting of services complete?	PSP	8 weeks	Complete	Protection & Shifting of services to be done during construction phase
Are stormwater design and Structures complete?	PSP	8 weeks		
Are properties affected defined?	PSP	6 weeks	Complete	
Is Liaison with concerned parties complete?	PSP	20 weeks		Ong-going
Was the effect of the "Do nothing" alternative considered?	PSP	2 weeks	Complete	
Is the estimated cost of project done?	PSP	4 weeks		
Is the summary and Recommendations done?	PSP	4 weeks		
Is the preliminary design report done?	PSP	4 weeks		
				63%
Design Phase				
Gate - Strategic Decision Making Point 3 - Detail Design and readiness for construction (Hand-over).				
Objective: Ensure proper designs handover to construction				
Is the EIA study initiated?	PSP	1 week	Complete	
Is the WULA application initiated?	PSP	1 week	Complete	
Are Wayleave applications initiated?	PSP	N/A		
Is the Land acquisition process initiated?	PSP	N/A		
Are locally plan, key plan, and list of plans complete?	PSP	20 weeks	Complete	
Is the project definition (i.e. road number and section, and type of project, defined?	PSP	4 weeks	Complete	
Is the brief project overview and description, including design standards defined?	PSP	1 week	Complete	
Are the unique project issues, like undermining, environmental measures, public transport facilities outlined and addressed in the design?	PSP	20 weeks		
Is the estimated contract value, period, and contract conditions outlined?	PSP	4 weeks		
Are borrow pits and material acquisition identified?	PSP	N/A		
Are Services identified and outlined?	PSP	4 weeks	Complete	
Are specific declaration and compensation issues completed?	PSP	4 weeks		
Was the accommodation of traffic considered?	PSP	4 weeks		
Is the brief discussion on construction – any special measures, handling of traffic, etc done?	PSP	N/A		
Are signed design plans submitted hard copies Sepia?	PSP	1 week		
Are design plans submitted as soft copies on CDs?	PSP	1 week		
Is the book of drawings submitted?	PSP	1 week		
Is the draft construction tender document submitted?	PSP	2 weeks		
Is the TP86 form submitted with the designs?	PSP	1 week		
Has the Environmental Impact assessment (EIA) obtained the ROD?	PSP	1 year		
Is the Water Use License application (WULA) obtained?	PSP	1 year		Completed
Is the Land acquired and available?	Project Manager			
Is the property being leased via DID cleared for construction?	Project Manager			
Are illegal settlements in the road reserve cleared or addressed?	Chief Engineer			
Are powerlines, services in the road reserve cleared or addressed?	Chief Engineer			
Are encroachments (Cemeteries, buildings, fences etc) in the road reserve cleared or addressed?	Chief Engineer			
Is the updated Project Initiation report (PIR) or Business Case available for Construction?	Chief Engineer			
Is the construction checklist completed and the signed copy filed on the project file and electronically?	Project Manager			
				21%

Project Performance Barometer: Route Determination

No.	PROJECT DESCRIPTION	Project Initiation	Procure a PSP to undertake Technical Engineering Servicest	Contract signature, project kick-off	Prepare different route alternative alignments	Conduct Environmental Assessment	Consultation with Affected and Interested Parties	Preparation of Preliminary and Final Route Determination Report	Advertisement of Route Determination	Establishment of Commission and Public Enquiry	Acceptance by MEC and Promulgation	Overall Status
1	Project A: K14 at K177, K203 at K177, K16 between K169 and PWV19, PWV6 at N4: Route Det. process as per SOP	100%	100%	100%	100%	100%	100%	100%	0%	N/A	0%	82%
2	Project B: K106 at K175, K109 at K68, K163 between N17 and K136, K175 at K173-K179: Route Det. process as per SOP	100%	100%	100%	100%	100%	100%	100%	0%	N/A	0%	82%
3	Project C: K156 Extension Westwards, K176 Extension Westwards, K178 Extension Westwards and K213 Extension Southwards:: Route Det. process as per SOP	100%	100%	100%	100%	100%	100%	100%	0%	N/A	0%	82%
4	Project D: K9 between K156 and K11, PWV16 between K211 and K5, PWV8 between K13 and PWV1: Route Det. process as per SOP	100%	100%	100%	100%	100%	100%	100%	0%	N/A	0%	82%
5	Project E: K17 between K24 and K26, K24 west of K76, K26 between K76 and K17, K76 at and north west of K197: Route Det. process as per SOP	100%	100%	100%	100%	100%	100%	100%	0%	N/A	0%	82%
6	Project F: K96 between K197 and K76, K102 between K140 and PWV1, K140 extension west of K102, K211 between P89-1 and K228: Route Determination process as per SOP.	100%	100%	100%	100%	100%	100%	100%	0%	N/A	0%	82%
7	Project G: K228 west of K76, PWV12A extension west of K5, PWV20 extension west D377: Route Determination process as per SOP.	100%	100%	100%	100%	100%	100%	100%	0%	N/A	0%	82%
8	Project H: K83 extension eastwards up to Provincial border, K77 realignment of K77: Route Determination process as per SOP.	100%	100%	100%	100%	100%	100%	100%	0%	N/A	0%	82%

Project Performance Barometer : Design Services

No.	PROJECT DESCRIPTION	Preparatory and Briefing of Prefeasibility	Professional Service Provider Procurement	Contracting and Commencement of Designs	Designs Readiness for construction	Overall Status
14	K69/K50 UPGRADING OF GARSTFONTEIN ROAD (K50) TO DUAL CARRIAGEWAY BETWEEN LORISO AND ANTON VAN WOUW STREETS INCLUDING THE INTERSECTION BETWEEN THE K69 (SOLOMON MAHLANGU) AND THE K69 (GARSTFONTEIN)	100%	N/A	N/A	100%	100%
3	Construction of K122 (south of Naturena) between K45(P73-1) Golden Highway(Nance field) to P1-1 (K57) (R82) Vereeniging road. Single carriageway road	100%	100%	100%	77%	92%
4	Upgrade of K105(M57) (Pretoria Rd) and P38-1 between K60 (Tembisa access) and K68 (M32) Kempton Park Civic Centre. Doubling on BRT Route	100%	100%	100%	55%	88%
17	K117 from K88 to K92 (approximately 2.0 km)	100%	100%	100%	56%	87%
9	K14 BETWEEN P2-5 (R513) CULLINAN ROAD AND D483 RAYTON ROAD (R516) TO BYPASS CULLINAN. SINGLE CARRIAGEWAY ROAD	94%	100%	N/A	70%	84%
11	K43 from K142 (Nirvana drive) to K122 (Union road) (approximately 6.24km)	100%	100%	100%	55%	84%
13	K60 from K58 (D51) (Allandale road) to k117 (Andrew Mapheto) (approximately 5.5km)	100%	100%	100%	50%	83%
16	K72_N14 PINEHAVEN INTERCHANGE THE CONSTRUCTION OF A PORTION OF ROAD K72, INCLUDING THE P126-1/P39-1	89%	50%	N/A	64%	72%
12	Construction of new road K54 Section 3 from PWV17 (N4) to R21 to serve as PTA Eastern bypass (double carriageway plus 5 interchanges at major arterials) Section 4 from R21 to N1: Dual Carraigeway	100%	100%	0%	0%	47%
15	Construction and Upgrading of New K71 (P66-1) (R55) Section 2 between P71-1 (Main Road) and D795 (Summit Road)	82%	0%	0%	32%	47%
19	P241-1 from K15 (R558) to K11 (R28) Bekkersdal approximately 19km	100%	100%	0%	0%	47%
6	D2150 from P73/1 (Golden Highway) and Link Road	100%	100%	0%	0%	45%
8	D2204 between K15 and Lenasia Drive and New bridge over rail - Lenasia	100%	100%	0%	0%	45%
18	K217 Section 2 from K8 (R566) to K216 and P230/1	100%	79%	0%	0%	42%
20	PWV 15 Phase 1: Construction of a new road between R21 and N3 and detail design and land acquisition between N17 and N3	90%	0%	0%	0%	41%
5	D781 between Bronkhorstspuit Road (R25) P91-2 and end of tar	89%	0%	0%	0%	35%
10	K29 (R512) Malibongwe drive between Lanseria and NW border (PIR accepted by DRT)	85%	0%	0%	0%	25%
7	D2192 from km 4.35 to km 6.45 road distance 2.10km upgrade from gravel to surface	81%	0%	0%	0%	20%
1	D359 From KM 0.000 to KM 7.85 upgrade from gravel to surface	69%	0%	0%	0%	17%
2	Tarring of gravel road D2159 from P103/1 to end of road Rietvallei: Km 0.00 to 4.75	69%	0%	0%	0%	17%

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Project Book

Project Book Information Updates

Total Number of Projects : 67

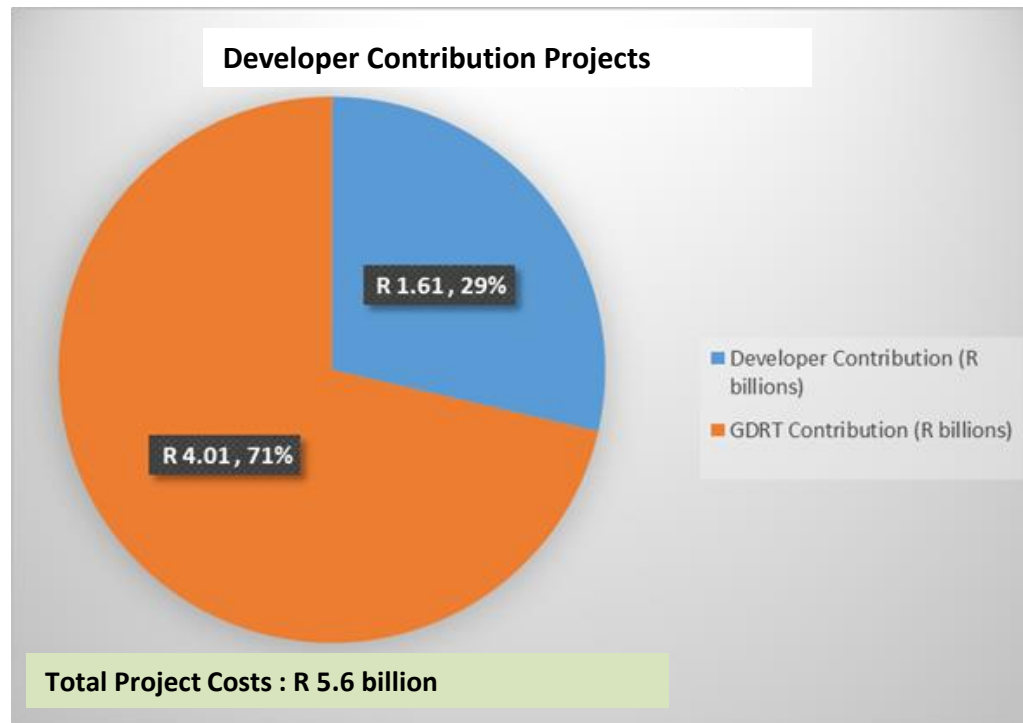
Total Project Book Value : R 23 billion (*over a 10-year period*)

Project Book Information Updates

PRIVATE DEVELOPER CONTRIBUTION PROJECTS

Total Number of Projects : 13

Total Project Book Value : R 5.6 Billion

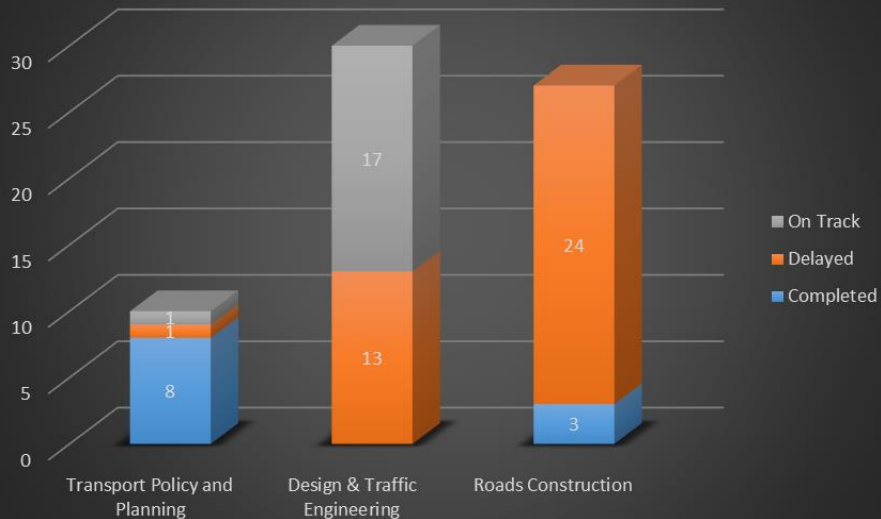


DEVELOPER PROJECTS DASHBOARD

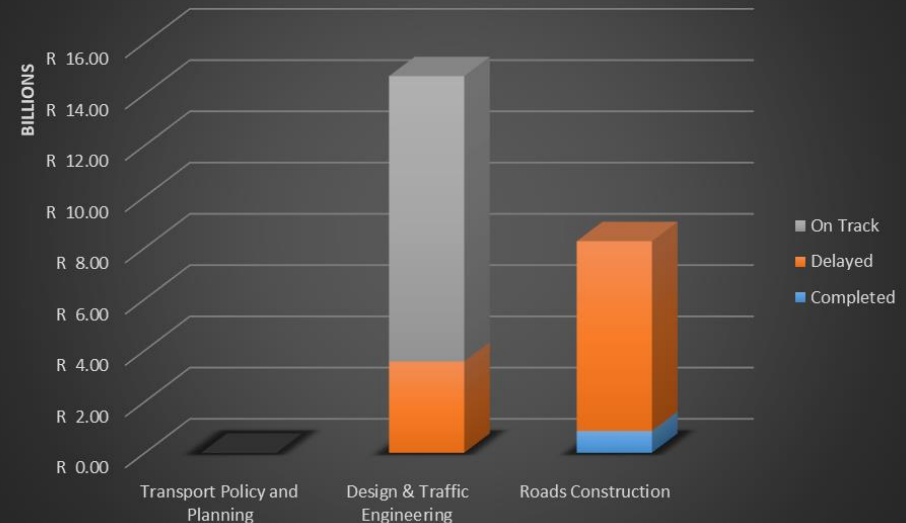
No	PROJECT	DEVELOPER	PROJECT STATUS	PLANNING AND NEGOTIATIONS WITH DEVELOPER	MOU COMPILATION	MOU APPROVAL	TREASURY FUNDING APPROVAL	DESIGN PROCUREMENT	DESIGN EXECUTION	PROCUREMENT FOR CONSTRUCTION	CONSTRUCTION EXECUTION
DEVELOPER PROJECTS IN DESIGN	109 K155 LINKSFIELD - CONSTRUCTION AND UPGRADING OF K155 BETWEEN K113 (R25) AND PRETORIA ROAD INCLUDING AND UPGRADES TO INTERSECTION BETWEEN K113 AND P91-1 AS WELL AS THE	Equicent + GDHS	Delayed								
	111 K14 TO CONSTRUCT THE UNCOMPLETED PORTION OF THE K14 (SEFAKO MAKGATHO DRIVE) BETWEEN PAUL KRUGER STREET AND LAVENDER ROAD (K97), INCLUDING THE CONSTRUCTION OF A NEW BRIDGE	Rainbow Junction Development	delayed								
	113 K72: PINEHAVEN INTERCHANGE THE CONSTRUCTION OF A PORTION OF ROAD K72, INCLUDING THE P126-1/P39-1	Triple 3 Group	delayed								
	19 CONSTRUCTION OF K14 BETWEEN P2-5 (R513) CULLINAN ROAD AND D483 RAYTON ROAD (R516) TO BYPASS CULLINAN. SINGLE CARRIAGEWAY ROAD	Cullinan Diamond Mine (Pty) Ltd	Delayed								
	110 K69/K50 UPGRADING OF GARSTFONTEIN ROAD (K50) TO DUAL CARRIAGEWAY BETWEEN LORISO AND ANTON VAN WOUW STREETS INCLUDING THE INTERSECTION BETWEEN THE K69 (SOLOMON	CoT	Delayed								
	28 K56 - CONSTRUCTION OF ROAD K56 BETWEEN K46 (WILLIAM NICOL DRIVE) AND P71-1 (MAIN ROAD)	Steyn City + Century Properties	Delayed								
DEVELOPER PROJECTS IN CONSTRUCTION	4 CONSTRUCTION PHASE 1 OF K217 FROM K8 TO NIGELLA AVENUE, AS PART OF THE TOTAL K217 ROAD FROM THE N4 TO P230/1 IN SOSHANGUVE. TSHWANE AUTOMOTIVE CITY DEVELOPMENT AND	Rosslyn Hub Development Company(Pty)	Delayed								
	25 K46 - Construction of Rd K46 (P79/1) Phase 2 Between PWV 5 and N14 (P158/2) (Diepsloot)	Steyn City + Century Development	Delayed								
	1 Construction of new road K60 Section 2, 3 and 4 of K60 : between Megawatt Park (Maxwell Drive) and (Kyalami Rd) P66-1 (K71) (R55), and K101 (P1-2) (Old JHB road) across the N1, to K113 (Access to Gautrain	Attacq Waterfall Investment	Delayed								
	29 K73 - Construction of Rd K73 between K58 (Allandale Rd) and K71 (Woodmead Drive), The Upgrading of Sections of K58 and K71 and Rehabilitation of K58 between Maple Drive and K71	Century Properties	Delayed								
	27 K56 - Construction of Rd K56 Between K46 (William Nicol Drive) and P71-1 (Main Road) (4.4 Km) and the Extension of Erling Roads from Dorothy Road to K56	Steyn City & Century Properties	Delayed								
	18 K31 Greengate Development: Rd (D374) Beyers Naude –Reconstruction and upgrade of the M5 Beyers Naude from Zandspruit (Peter Road) to N14	Afroprop Natal (Pty) Ltd	Delayed								
	12 Vaal river City - Construction of New Interchange and Access Rd to Sharpeville and Vaal River City on the R42 (Barrage Rd) in Vereeniging	Glimmering Glass + Steyn City	Delayed								

TRANSPORT INFRASTRUCTURE HOUSE

No. of Projects per Directorate & Status



Project Amounts per Directorate & Status

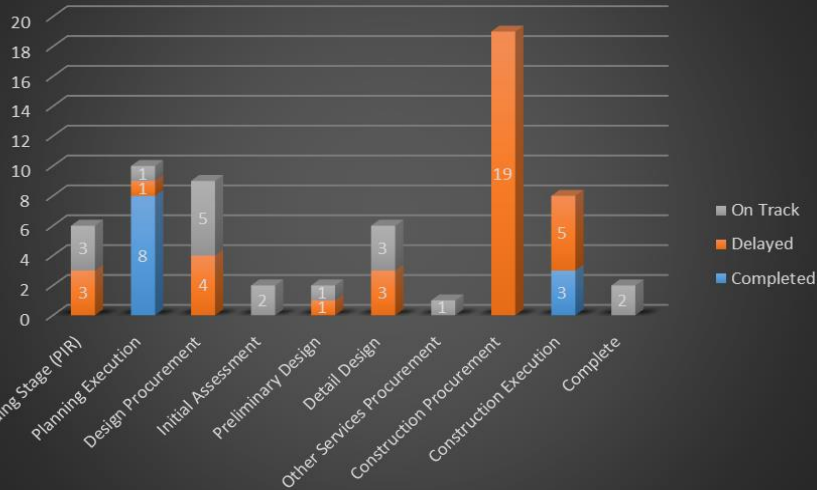


Count of Total Estimated Project Value					
Directorate	Completed	Delayed	On Track	Grand Total	
Transport Policy and Planning	8	1	1	10	15%
Design & Traffic Engineering	0	13	17	30	45%
Roads Construction	3	24	0	27	40%
Grand Total	11	38	18	67	
	16%	57%	27%		

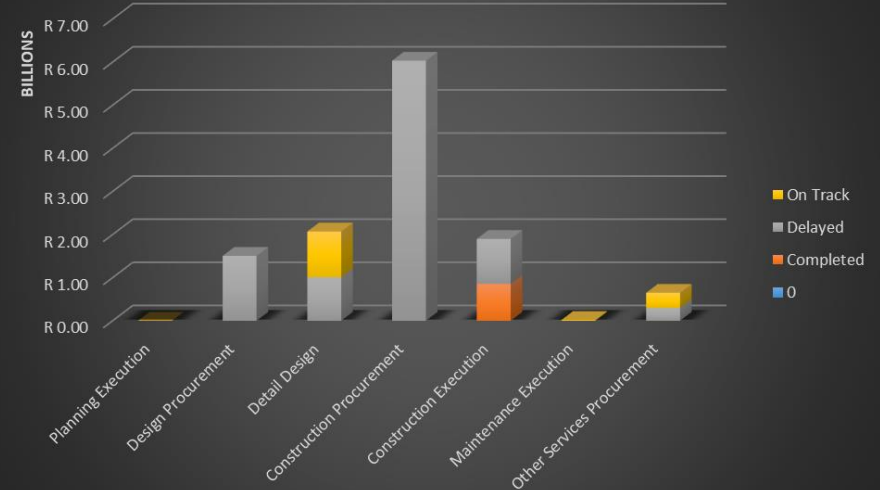
Sum of Total Estimated Project Value					
Directorate	Completed	Delayed	On Track	Grand Total	
Transport Policy and Planning	R 0.00	R 0.00	R 2 000 000.00	R 2 000 000.00	0%
Design & Traffic Engineering	R 0.00	R 3 563 000 000.00	R 11 136 088 080.00	R 14 699 088 080.00	64%
Roads Construction	R 855 424 213.11	R 7 403 250 030.38	R 0.00	R 8 258 674 243.49	36%
Grand Total	R 855 424 213.11	R 10 966 250 030.38	R 11 138 088 080.00	R 22 959 762 323.49	
	4%	48%	49%		

TRANSPORT INFRASTRUCTURE HOUSE

Project Status per Stage



Project Amounts per Stage



Count of Total Estimated Project Value	Column Labels				
Project Stage	Completed	Delayed	On Track	Grand Total	
Funding Stage (PIR)		3	3	6	9%
Planning Execution	8	1	1	10	15%
Design Procurement		4	5	9	14%
Initial Assessment			2	2	3%
Preliminary Design		1	1	2	3%
Detail Design		3	3	6	9%
Other Services Procurement			1	1	2%
Construction Procurement		19		19	29%
Construction Execution	3	5		8	12%
Complete			2	2	3%
Grand Total	11	36	18	65	

Sum of Total Estimated Project Value	Column Labels				
Project Stage	Completed	Delayed	On Track	Grand Total	
Planning Execution	R 0.00	R 0.00	R 2 000 000 000.00	R 2 000 000 000.00	0%
Design Procurement		R 1 506 000 000.00	R 8 827 000 000.00	R 10 333 000 000.00	45%
Detail Design		R 482 000 000.00	R 850 000 000.00	R 1 332 000 000.00	6%
Construction Procurement		R 6 359 593 557.00		R 6 359 593 557.00	28%
Construction Execution	R 855 424 213.11	R 1 043 656 473.38		R 1 899 080 686.49	8%
Other Services Procurement			R 350 000 000.00	R 350 000 000.00	2%
Complete			R 609 088 080.00	R 609 088 080.00	
Preliminary Design		R 450 000 000.00	R 350 000 000.00	R 800 000 000.00	
Initial Assessment			R 150 000 000.00	R 150 000 000.00	
Funding Stage (PIR)		R 895 000 000.00	R 0.00	R 895 000 000.00	
Grand Total	R 855 424 213.11	R 10 736 250 030.38	R 11 138 088 080.00	R 22 729 762 323.49	

TIH PROJECT BOOK SUMMARY

The following report provides an update on all the projects in the pipeline that are either complete, on-track and delayed.



COMPLETE

11

COMPLETE



ON-TRACK

18

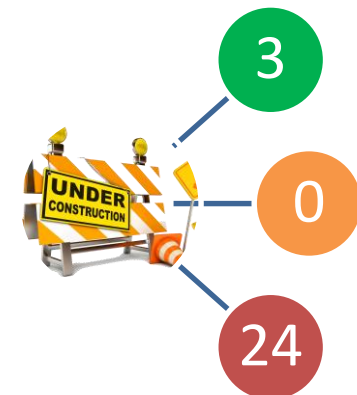
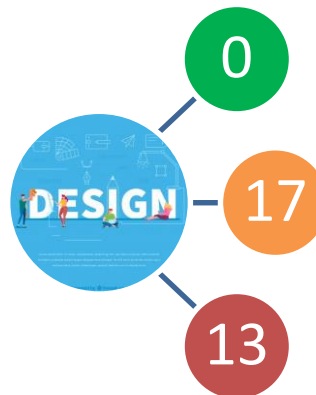
ON-TRACK



DELAYED

38

DELAYED



TRANSPORT INFRASTRUCTURE HOUSE

Projects in Route Planning Execution Stage

#	Project Description / Programme Name	Chief Directorate	Current Project Stage	Project Status
1	Dictate and prioritise Transport Infrastructure strategically Project A: K14 at K177, K203 at K177, K16 between K169 and PWV19, PWV6 at N4: Route Det. process as per SOP	Transport Policy and Planning	Planning Execution	Completed
2	Project B: K106 at K175, K109 at K68, K163 between N17 and K136, K175 at K173-K179: Route Determination process as per SOP.	Transport Policy and Planning	Planning Execution	Completed
3	Project C: K156 Extension Westwards, K176 Extension Westwards, K178 Extension Westwards and K213 Extension Southwards: Route Determination process as per SOP.	Transport Policy and Planning	Planning Execution	Completed
4	Project D: K9 between K156 and K11, PWV16 between K211 and K5, PWV8 between K13 and PWV1: Route Determination process as per SOP.	Transport Policy and Planning	Planning Execution	Completed
5	Project E: K17 between K24 and K26, K24 west of K76, K26 between K76 and K17, K76 at and north west of K197: Route Determination process as per SOP.	Transport Policy and Planning	Planning Execution	Completed
6	Project F: K96 between K197 and K76, K102 between K140 and PWV1, K140 extension west of K102, K211 between P89-1 and K228: Route Determination process as per SOP.	Transport Policy and Planning	Planning Execution	Completed
7	Project G: K228 west of K76, PWV12A extension west of K5, PWV20 extension west D377: Route Determination process as per SOP.	Transport Policy and Planning	Planning Execution	Completed
8	Project H: K83 extension eastwards, K77 realignment of K77: Route Determination process as per SOP.	Transport Policy and Planning	Planning Execution	Completed
9	Amendment of outstanding routes as per 2010 Review Recommendations. New tender preparation for 2020/2021: K27 between K46 and K73, K54 between PWV9 and K73, K147 between K40 and PWV19, PWV5 between P? and K62, K109 between K220 and K60, K113(east) between Terrace rd to PWV3, K113 WEST, K178 between K9 and N1-19, K176 between PWV1 and K13, PWV8 between PWV1 and N14, K215 east of Lanseria between, K232 between N3-12 and K58, K115 between K58 and PWV3, K113(east) between Terrace road to PWV3: Route Determination process as per SOP.	Transport Policy and Planning	Planning Execution	Delayed
10	PWV16 Feasibility Study (Protea Glen) A Study to confirm feasibility and implementation plan for PWV16.	Transport Policy and Planning	Planning Execution	On Track

TRANSPORT INFRASTRUCTURE HOUSE

Projects in Design Procurement Stage

ID	Project Description / Programme Name	Chief Directorate	Current Project Stage	Project Status
1	K217 Section 2 from K8 (R566) to K216 and P230/1	Design & Traffic Engineering	Design Procurement	On Track
2	Construction of new road K54 Section 3 from PWV17 (N4) to R21 to serve as PTA Eastern bypass (double carriageway plus 5 interchanges at major arterials) Section 4 from R21 to N1: Dual Carriageway	Design & Traffic Engineering	Design Procurement	Delayed
3	PWV 15 Section 1, 2 &3: Construction of a new road between R21 and N3	Design & Traffic Engineering	Design Procurement	On Track
4	Heavy rehabilitation of D2150 from P73/1 (Golden Highway) and Link Road – Orange Farm	Design & Traffic Engineering	Design Procurement	Delayed
5	D2204 between K15 and Lenasia Drive and New bridge over rail - Lenasia	Design & Traffic Engineering	Design Procurement	Delayed
6	P156-1(R59) Pedestrian Bridge construction (Ntirhisano Project)	Design & Traffic Engineering	Design Procurement	On Track
7	P241-1 from K15 (R558) to K11 (R28) Bekkersdal approximately 19km	Design & Traffic Engineering	Design Procurement	Delayed
8	P66/1 / (K71 Phase 3) – between road P71/1 and road D795) Links Kyalami in Midrand and Noordwyk R562	Design & Traffic Engineering	Design Procurement	On Track
9	The maintenance and rehabilitation of bridges in Tshwane (BMS Phase 1) - 9 bridges	Design & Traffic Engineering	Design Procurement	On Track

TRANSPORT INFRASTRUCTURE HOUSE

Projects in Design Stage

ID	Project Description / Programme Name	Chief Directorate	Current Project Stage	Project Status
1	Upgrade of K105(M57) (Pretoria Rd) and P38-1 between K60 (Tembisa access) and K68 (M32) Kempton Park Civic Centre. Doubling on BRT Route	Design & Traffic Engineering	Preliminary Design	Delayed
2	K111: From Nellmapius Drive to PWV5, upgrade from single carriageway to dual and new road construction (approximately 10.36 km).	Design & Traffic Engineering	Preliminary Design	On Track
3	Upgrading of K97 Section 2 from N4 -Interchange (Bon Accord) to old road (P1-3) (R101) Single carriageway road	Design & Traffic Engineering	Other Services Procurement	On Track
4	BMS 3 - Designs for repairs and maintenance of bridges (Benoni Region)	Design & Traffic Engineering	Initial Assessment	On Track
5	BMS 3 - Designs for repairs and maintenance of bridges (Vereeniging Region)	Design & Traffic Engineering	Initial Assessment	On Track
6	K155 LINKSFIELD - CONSTRUCTION AND UPGRADING OF K155 BETWEEN K113 (R25) AND PRETORIA ROAD INCLUDING AND UPGRADES TO INTERSECTION BETWEEN K113 AND P91-1 AS WELL AS THE CONNECTION OF ROAD ACROSS N3 TO VAN RIEBEECK ROAD	Design & Traffic Engineering	Funding Stage (PIR)	Delayed
7	K14 TO CONSTRUCT THE UNCOMPLETED PORTION OF THE K14 (SEFAKO MAKGATHO DRIVE) BETWEEN PAUL KRUGER STREET AND LAVENDER ROAD (K97), INCLUDING THE CONSTRUCTION OF A NEW BRIDGE ACROSS THE APIES RIVER	Design & Traffic Engineering	Funding Stage (PIR)	Delayed
8	K72: Pinehaven Interchange The construction of a Portion of Road K72, including the P126-1/P39-1	Design & Traffic Engineering	Funding Stage (PIR)	Delayed
9	K90N – Phase 2 of the R21/ Atlas Road interchange (PIR accepted by DRT)	Design & Traffic Engineering	Funding Stage (PIR)	On Track
10	K29 (R512) Malibongwe drive between Lanseria and NW border (PIR accepted by DRT)	Design & Traffic Engineering	Funding Stage (PIR)	On Track

TRANSPORT INFRASTRUCTURE HOUSE

Projects in Design Stage

ID	Project Description / Programme Name	Chief Directorate	Current Project Stage	Project Status
11	Pretoria Main Road (K101) crossing Allandale Road (K58)	Design & Traffic Engineering	Funding Stage (PIR)	On Track
12	Construction of K122 (south of Naturena) between K45(P73-1) Golden Highway(Nance field) to P1-1 (K57) (R82) Vereeniging road. Single carriageway road	Design & Traffic Engineering	Detail Design	On Track
13	Construction of new road K60 Section 5 between K58 (D51)(M39)Allandale road and K117 (M18)Andrew Mapheto street. Single carriageway road to Ivory Park	Design & Traffic Engineering	Detail Design	Delayed
14	Construction of K14 between P2-5 (R513) Cullinan road and D483 Rayton road (R516) to bypass Cullinan. Single carriageway road	Design & Traffic Engineering	Detail Design	Delayed
15	K43 (P219-1/M10) between K122 (Soweto union) to K142(P241-1/R554). Eldorado Park (Includes Non-Provincial Road)	Design & Traffic Engineering	Detail Design	On Track
16	K117 from K88 to K92 (approximately 2.0 km)	Design & Traffic Engineering	Detail Design	On Track
17	K60 Detail design from K58(D51)(Allandale Road) to K117 Andrew Mapheto drive, Rabie Ridge	Design & Traffic Engineering	Detail Design	Delayed
18	K69/K50 UPGRADING OF GARSTFONTEIN ROAD (K50) TO DUAL CARRIAGEWAY BETWEEN LORISO AND ANTON VAN WOUW STREETS INCLUDING THE INTERSECTION BETWEEN THE K69 (SOLOMON MAHLANGU) AND THE K69 (GARSTFONTEIN)	Design & Traffic Engineering	Design Services	Delayed
19	K102: New construction from main street to Main reef road (PIR accepted by DRT) Project will be phased to avoid cemetery encroachment.	Design & Traffic Engineering	Design Services	Delayed

TRANSPORT INFRASTRUCTURE HOUSE

Projects in Construction Procurement Stage

№	Project Description / Programme Name	Chief Directorate	Current Project Stage	Project Status
1	Construction of new road K60 Section 2, 3 and 4 of K60 : between Megawatt Park (Maxwell Drive) and (Kyalami Rd) P66-1 (K71) (R55), and K101 (P1-2) (Old JHB road) across the N1, to K113 (Access to Gautrain yard) over Jukskei river. Developers Contribution	Roads Construction	Construction Procurement	Delayed
2	Upgrading of K71(P66-1) (R55) Section 1 between P158-1 (N14) and D795(R562) Summit Road: Doubling of road	Roads Construction	Construction Procurement	Delayed
3	Construction of a New DLTC at Sebokeng	Roads Construction	Construction Procurement	Delayed
4	Vaal River City: Construction of new interchange and access road to Sharpeville and Vaal River City on the R42 (Barrage Road) in Vereeniging. Developers Contribution	Roads Construction	Construction Procurement	Delayed
5	Vereeniging Intermodal Public Transport Facility	Roads Construction	Construction Procurement	Delayed
6	Rooihuiskraal On Ramp Loop on to the N14 Eastbound Carriageway	Roads Construction	Construction Procurement	Delayed
7	Upgrading/ Widening of road K148/N3 Interchange Phase 1	Roads Construction	Construction Procurement	Delayed
8	Upgrading K31(D374) (M5) (Beyers Naude) between Peter Road and P158-2 (N14) Doubling of road. Developer Contribution (Greengate)	Roads Construction	Construction Procurement	Delayed
9	Upgrading of K101 Section 3 (P1-2) (R101) (old PTA/JHB road) between N1 Rooihuiskraal interchange and road D795 (R562)(Olifantsfontein rd.) Doubling of road (Developer Contribution)	Roads Construction	Construction Procurement	Delayed
10	Upgrading of K15(D524)(R558) Adcock St. between Dobsonville (K102) (Main street) and Protea Glen (Wild Chestnut St.): Doubling of road.	Roads Construction	Construction Procurement	Delayed

TRANSPORT INFRASTRUCTURE HOUSE

Projects in Construction Procurement Stage

ID	Project Description / Programme Name	Chief Directorate	Current Project Stage	Project Status
11	Upgrading K46 (P79-1)(R511) between PWV 5 (Erling road) and D795 /N14: Doubling of road. Developers Contribution	Roads Construction	Construction Procurement	Delayed
12	Construction of K56 between K46 (William Nicol Rd) and P71-1 (Main Rd) and the Extension of Erling Rd between Dorothy Road and K56	Roads Construction	Construction Procurement	Delayed
13	New road K73 between K71(P66-1)(Woodmead Drive) and K58 (D51) (Allandale Road): Doubling of Road : (Developer contribution)	Roads Construction	Construction Procurement	Delayed
14	Upgrading of Mabopane Drivers License Testing Centre (DLTC)	Roads Construction	Construction Procurement	Delayed
15	R82 S2 (K57) - Construction of Road R82 between Road D1073 (Walkerville) and K164 (De Deur)between Werner street and Wellbach road towards Meyerton (D904)	Roads Construction	Construction Procurement	Delayed
16	K175 (R568): Rehabilitation of Road K175 (R568) from P6-1 (K201) to Ekadustrial (K14)	Roads Construction	Construction Procurement	Delayed
17	Rehabilitation of Road P122/1 Phase 2 from K105 (Tembisa) to Solomon Mahlangu Drive (K69)	Roads Construction	Construction Procurement	Delayed
18	Heavy Rehabilitation of D483 (R515) from P6/1(R25) to D713(R513)(Cullinan)	Roads Construction	Construction Procurement	Delayed
19	Rehabilitation of Road P73/1 (R553) Golden Highway between Ennerdale (km 41.0) and Eldorado park (km 62.24) Approximately 21,24 km	Roads Construction	Construction Procurement	Delayed

TRANSPORT INFRASTRUCTURE HOUSE

Projects in Construction Stage

	Project Description / Programme Name	Chief Directorate	Current Project Stage	Project Status
1	Construction of new Road K54 Section 1 between K69(M10)(Solomon Mahlangu) and K22(P154-1)(R104)Old Bronkhorstspuit Road: Single Carriageway plus Doubling of road D2561(M8) Tsamaya from railway bridge to K54M10)	Roads Construction	Construction Execution	Delayed
2	Upgrading of K69 Section 1 (M10) (Solomon Mahlangu) between K22(R104) and K54 (Tsamaya rd.):Doubling of road	Roads Construction	Construction Execution	Delayed
3	P158/2 (N14)Phase 2: Rehabilitation of Road P158/2 (N14) from Diepsloot to Brakfontein	Roads Construction	Construction Execution	Completed
4	P156/3: Rehabilitation of Road P156/3 from P155/1 to D2563	Roads Construction	Construction Execution	Delayed
5	P175/1: Rehabilitation of Road P175/1 from Vanderbijlpark to Potchefstroom Phase 2	Roads Construction	Construction Execution	Completed
6	P39/1 (Diepsloot to Muldersdrift) Heavy Rehabilitation from km30 (Jukskei River) to km43 (Muldersdrift) and the upgrading of K33(D1027)Cedar Road at K52(P39-1) intersection	Roads Construction	Construction Execution	Delayed
7	Rehabilitation of Road P88/1 between Road P73/1 and Road P3/6	Roads Construction	Construction Execution	Completed
8	P241/1: Rehabilitation of Road P241/1 (R554) from km 17.7 to km 19.75 and Road D405 from km0.00 to km 8.75 (R82)	Roads Construction	Construction Execution	Delayed

TRANSPORT INFRASTRUCTURE HOUSE

Maintenance Programmes and Projects

	Project Description / Programme Name	Chief Directorate	Current Project Stage	Project Status
45	BENONI REGION REGRAVELLING OF GRAVEL ROADS	Road Maintenance	Maintenance Execution	On Track
46	BRONKHORSTSPRUIT REGION REGRAVELLING OF GRAVEL ROADS	Road Maintenance	Maintenance Execution	On Track
48	GRASS CUTTING	Road Maintenance	Maintenance Procurement	Delayed
49	Implementation of Term Contracts for Diluted Emulsion	Road Maintenance	Maintenance Execution	On Track
50	KRUGERSDORP REGION REGRAVELLING OF GRAVEL ROADS	Road Maintenance	Maintenance Execution	On Track
52	MANUFACT & SUPPLY ROAD SIGN(EIMR)	Road Maintenance	Maintenance Execution	On Track
53	MANUFACT & SUPPLY ROAD SIGN(EIMR)	Road Maintenance	Maintenance Execution	On Track
54.1	OUTSOURCED ROUTINE ROAD MAINTENANCE CLASS 1 & 2	Road Maintenance	Maintenance Execution	On Track
54.2	OUTSOURCED ROUTINE ROAD MAINTENANCE CLASS 1 & 2	Road Maintenance	Maintenance Execution	On Track
55	OUTSOURCED ROUTINE ROAD MAINTENANCE CLASS 3	Road Maintenance	Maintenance Execution	On Track

TRANSPORT INFRASTRUCTURE HOUSE

Maintenance Programmes and Projects

ID	Project Description / Programme Name	Chief Directorate	Current Project Stage	Project Status
56	OUTSOURCED ROUTINE ROAD MAINTENANCE CLASS 5 & 6 ROADS (EOMR)	Road Maintenance	Maintenance Execution	On Track
57	PROF. ENGINEERING SERVICES CLASS 1&2 ROADS (EOMR) RISFSA class 1 & 2 provincial roads	Road Maintenance	Maintenance Execution	On Track
58	PROF. ENGINEERING SERVICES CLASS 3 ROADS (EOMR)	Road Maintenance	Maintenance Execution	On Track
59	PROF. ENGINEERING SERVICES CLASS 5 & 6 ROADS (EOMR)	Road Maintenance	Maintenance Execution	On Track
60	RIFSA ROUTINE ROADS MAINTENANCE CLASS 4	Road Maintenance	Maintenance Execution	On Track
61	RIFSA ROUTINE ROADS MAINTENANCE CLASS 4	Road Maintenance	Maintenance Execution	On Track
62	RIFSA ROUTINE ROADS MAINTENANCE CLASS 4	Road Maintenance	Maintenance Execution	On Track
63	RIFSA ROUTINE ROADS MAINTENANCE CLASS 4	Road Maintenance	Maintenance Execution	On Track
65	STORM WATER(BRIDGE AND CULVERT(EOMR)	Road Maintenance	Maintenance Execution	On Track
66	STREET LIGHTS MAINT&UPGRAD(EOMR)	Road Maintenance	Maintenance Execution	On Track

TRANSPORT INFRASTRUCTURE HOUSE

Maintenance Programmes and Projects

ID	Project Description / Programme Name	Chief Directorate	Current Project Stage	Project Status
67.1	GUARDRAILS SUPPLY & ERECT (EIMR)	Road Maintenance	Maintenance Procurement	Delayed
67.2	Supply & Delivery of Guardrails for a period of 3 years in all 5 regions in Gauteng	Road Maintenance	Maintenance Procurement	Delayed
68	SUPPLY ERECT KM MARKERS (EIMR)	Road Maintenance	Maintenance Procurement	Delayed
69	SUPPLY / MAINTAIN CRACK SEAL (EIMR)	Road Maintenance	Maintenance Procurement	Delayed
70	Supply and Maintenance of small plant and Equipment on an as and when required basis	Road Maintenance	Maintenance Execution	On Track
71	SUPPLY BRIDGE RAILS (EIMR)	Road Maintenance	Maintenance Procurement	Delayed
72	SUPPLY FENCING MATERIAL (EIMR)	Road Maintenance	Maintenance Execution	Delayed
73	SUPPLY G1 G5&G7 MAT(EOMR)	Road Maintenance	Maintenance Procurement	Delayed
74	SUPPLY HERBISID PESTIS(EIMR)	Road Maintenance	Maintenance Execution	Delayed
75	SUPPLY MANHOLE GRFTS(EIMR)	Road Maintenance	Maintenance Execution	On Track

TRANSPORT INFRASTRUCTURE HOUSE

Maintenance Programmes and Projects

	Project Description / Programme Name	Chief Directorate	Current Project Stage	Project Status
76	SUPPLY OF BITUMEN RELATED PRODUCTS	Road Maintenance	Maintenance Procurement	Delayed
77	SUPPLY OF CONCRETE (EIMR)	Road Maintenance	Maintenance Procurement	Delayed
78	SUPPLY SAFETY CLOTH & EQUIP (EIMR)	Road Maintenance	Maintenance Procurement	Delayed
79	TRM CONTRCT ROADS MAKING(EOMR)	Road Maintenance	Maintenance Execution	Delayed
81	TSHWANE REGION REGRAVELLING OF GRAVEL ROADS	Road Maintenance	Maintenance Procurement	Delayed
82	VEREENIGING REGION REGRAVELLING OF GRAVEL ROADS	Road Maintenance	Maintenance Procurement	Delayed
88	PLANT AND MACHINERY	Road Maintenance	Maintenance Execution	On Track
89	FUEL FOR PLANT(EIMR)	Road Maintenance	Maintenance Execution	On Track
90	LICENSING OF PLANT(EIMR)	Road Maintenance	Maintenance Execution	On Track
96.1	Road Asset Management System (RAMS) 1. Current CSIR Contract	Road Maintenance	Maintenance Execution	On Track
96.2	Road Asset Management System (RAMS) 2. Tender for The Visual Assessment of Roads, Bridges and Culverts	Road Maintenance	Maintenance Procurement	Delayed
110	The maintenance and rehabilitation of bridges in Tshwane (BMS Phase 1) - 9 bridges	Road Maintenance	Construction Procurement	Delayed

TIH LAUNCH

Support and Cooperation with Municipalities

- Campaign: “Maintenance to keep Roads Smart” and “Smart Mobility Fridays”
 - ❖ *Programme (Campaign) to be launched where GPDRT work together with Municipalities in Gauteng on the maintenance and patching of roads*
 - ❖ *Programme to cover all Municipalities but will commence in CoJ:*
 - *Preparation and Coordination being finalised with CoJ*
 - ❖ *“Smart Mobility Fridays”, where MEC will do site visits of maintenance and patching works of Raods in Gauteng*
 - ❖ *Other Activities includes:*
 - Preparation and Signing of a MOU between GPDRT and the municipalities
 - Develop and coordinate maintenance plans;
 - Setup coordination Structures;
 - Needs assessments;
 - Budget requirements
 - Implementation Plan

TRANSPORT INFRASTRUCTURE HOUSE

Economic Impact

Economic Impact Assessment Results

For **12 Design Projects** assessed will provide a number of substantial economic benefits to Gauteng, such as economic growth, the creation of jobs and poverty alleviation.



R6.1bn

Average **economic impact** of all 12 projects



220 000

Total **jobs** created for all 12 projects combined

For **12 Construction Projects** assessed will provide a number of substantial economic benefits to Gauteng, such as economic growth, the creation of jobs and poverty alleviation.



R4.2bn

Average **economic impact** of all 12 projects



80 000

Total **jobs** created for all 12 projects combined

Note: Total Jobs = Direct Jobs + Indirect Jobs + Induced Jobs

TIH Launch

END