

**PRESENTATION TO ROAD PAVEMENTS
FORUM
2 JULY 2019
PORT ELIZABETH**

SANRAL



**BUILDING SOUTH AFRICA
THROUGH BETTER ROADS**

PRESENTATION OUTLINE

1. SANRAL Service Delivery Model
2. SANRAL Philosophy on Asset Preservation
3. SR Budget Breakdown
4. Key Projects
5. Strategic Initiatives
6. Intergovernmental Relations
7. Challenges

SANRAL'S SERVICE DELIVERY MODEL

- SANRAL is the implementing arm of the Department of Transport.
- SANRAL was established in 1998 by an act of parliament.
- SANRAL's mandate is to plan, design, construct and maintain the National Road Network.
- SANRAL opted to carry out this mandate by outsourcing the design, construction and maintenance of the network by making use of private consulting firms and construction companies.
- SANRAL opted to be an INFORMED CLIENT that retained the planning, management and decision making capacity in-house.

SANRAL PHILOSOPHY ON ASSET PRESERVATION

1. Asset Preservation and Management comes first!
2. One has to plan and budget for the maintenance and preservation of the road network before thinking of upgrades.
3. Overload control centres should be operational 24 hours a day.
4. Safety on our roads must receive top priority.
5. Law enforcement must be seen to be effected at all times.



SR BUDGET BREAKDOWN

BUDGET BREAKDOWN

	2016/17	2017/18	2018/19	2019/20
Routine Maintenance	329,569,905	337,660,964	395,753,751	724,113,394
Periodic Maintenance	1,489,591,810	753,906,953	179,600,000	360,771,950
Special Maintenance	423,526,687	1,074,601,406	774,574,847	1,039,266,738
Strengthening	882,885,142	1,289,439,315	134,671,500	152,962,796
Improvements	1,363,626,454	1,706,388,631	857,372,694	849,521,382
New Facilities	376,640,000	1,284,027,351	2,551,602,638	2,430,516,856
Community Development	125,725,413	243,686,833	118,123,662	261,268,712
Sub-Total	4,991,565,411	6,689,711,452	5,011,699,092	5,818,421,827

INVESTMENT AND FORECAST 2009 TO 2019

District Municipality	Investment - 2009 to 2019	
Alfred Nzo	R	2,941,000,000
Amathole	R	4,810,000,000
Buffalo City	R	2,220,000,000
Chris Hani	R	6,831,000,000
Joe Gqabi	R	1,770,000,000
OR Tambo	R	7,660,000,000
Nelson Mandela	R	2,317,000,000
Sarah Baartman	R	4,325,500,000
Projects Across Boundaries	R	409,000,000
	R	33,281,500,000

SECONDARY STRATEGIC NETWORK

- NDoT's view is that SANRAL should extend its network to include approx. 14,000 km of secondary strategic network (currently provincial roads).
- In the Eastern Cape this includes the R56, R58, R62, R63, R67, R72 and R75.
- ***The Premier formally requested SANRAL to take over these routes in February 2012. The routes were then incorporated into the SANRAL network in May 2012.***
- Take over by SANRAL meant funds that were spent on maintenance of these routes could be shifted to other roads in the Province.



2011 EXPANSION OF NATIONAL ROAD NETWORK

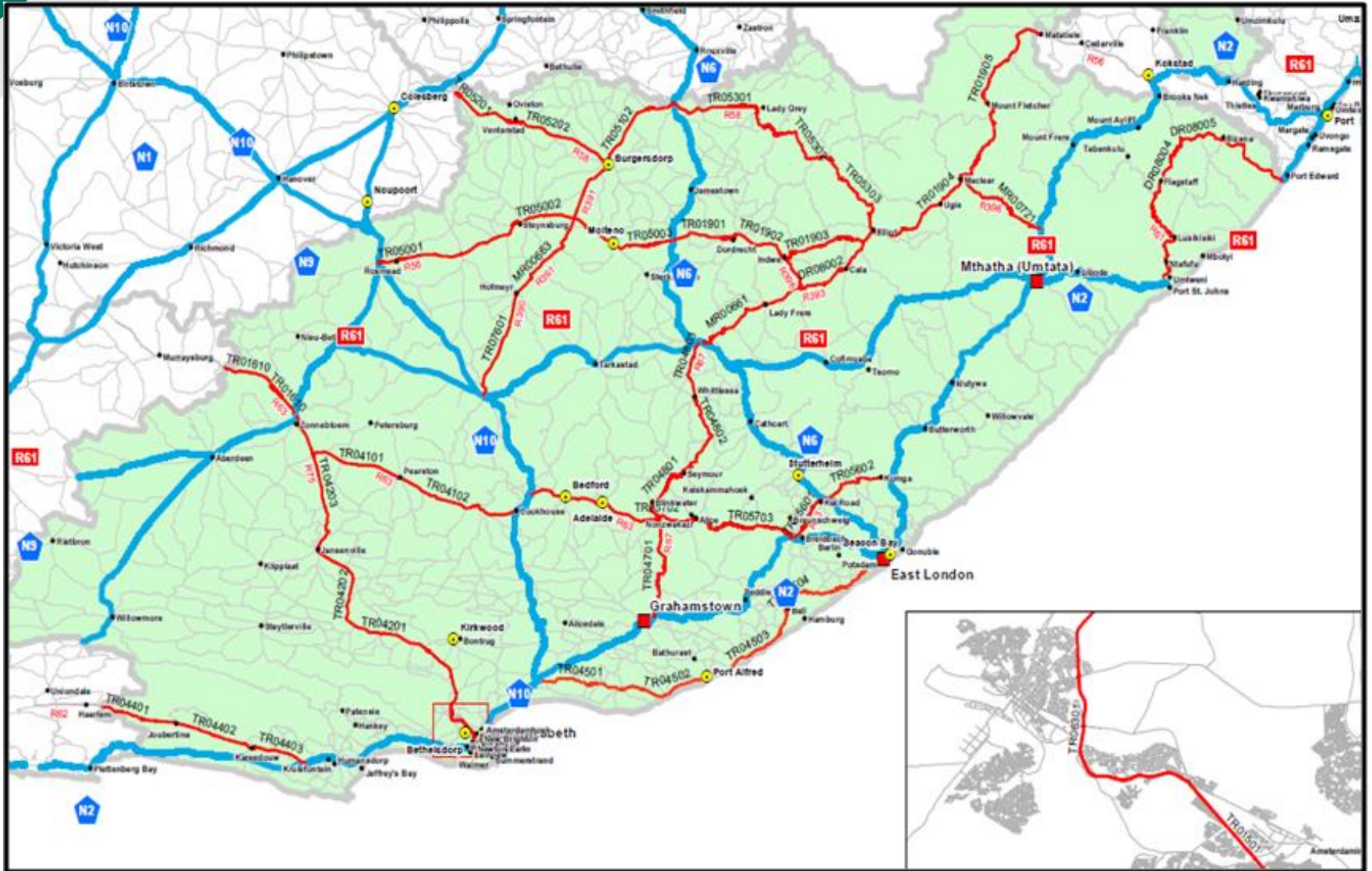
Route	From	To	Length
R56	Middleburg	EC border near Matatiele	546 km
R58	EC border near Venterstad	Elliot	332 km
R62	EC border near Haarlem	N2 near Humansdorp	117 km
R63 west	EC border beyond Graaff Reinet	N10 at Cookhouse	196 km
R63 east	N10 near Bedford	N2 near Komga	232 km
R67	N2 Grahamstown	R61 at Queenstown	200 km
R72	N10 at Nanaga	East London Airport	229 km
R75	N2 Port Elizabeth	R63 near Graaff Reinet	223 km
		TOTAL	2075 km

ROUTES TRANSFERRED IN JUNE 2016

Route No	FROM - TO	Provincial Road No	Length (km)
R 390	Cradock (N10/4) - Hofmeyer (Van Heerden str)	TR07601	63
	Hofmeyer (Van Heerden Str) - R56 West of Steynsburg	TR07602	34.28
R 391	R56 – Burgersdorp	TR05101	36.99
R 392	Queenstown N6 (Grey Str) - R410 Intersection	MR00659	8.56
R 396	Tsolo N2 - Maclear R56	MR00721	61.18
R 410	R392 I/S - Lady Frere	MR00661	42.79
	Lady Frere - Hali No 2 (R392)	DR08551	15.38
	Hali No 2(R392) – Cala	DR08002	31.91
	Cala - R58 at Quiba (MR710)	TR07401	14.63
R 58	R58 at Quiba (MR710) - R56 East of Elliot	TR07401	4.88
		TOTAL	313.6

Route Number	FROM - TO	PROVINCIAL ROUTE NO	LENGTH (KM)
R 335	N2 via MOTHERWELL and ADDO - MR473	MR450	54.37
R 342	MR450 - N10 at PATERSON	MR473	24.55
R 336	MR450 via KIRKWOOD - R75	MR471	48.11
		TOTAL	127.03

MAP OF NEW ROUTES





SR KEY PROJECTS



Projects in Initiation (33 Projects)

Project No.	Project Description	Estimated Cost (2019-2022)	Estimated Design Start
Routine Maintenance			
X.003-023-2018/1	MONTM: Intelligent Transport System	11 220 000	2019
Periodic Maintenance			
N.002-160-2018/1	MPRS2: Mooiplaas to Komga	12 000 000	2020
N.006-050-2017/1	MPRS2: Jamestown(km0) to Nek (km14)	10 000 000	2019
R.061-020-2017/1	MPRS2: Resurfacing of R61 between N9 and Wapad	8 000 000	2019
Special Maintenance			
N.009-056-2017/1	MSPGA: Graaff Reinet South to North	16 000 000	2020
R.410-012-2018/1	MSPGS: Queenstown to Lady Frere	20 349 000	2020

Projects in Initiation

Project No.	Project Description	Estimated Cost (2019-2022)	Estimated Design Start
R.056-050-2014/1	MSNRE: Indwe Erosion Stabilisation	3 000 000	2019
R.075-020-2018/2	MSPGS: Kirkwood I/S to Wolwefontein	8 000 000	2019
R.075-040-2018/1	MSPGS: Jansenville - R63 I/S Phase 2	6 000 000	2020
X.003-021-2018/1	MSNGT: Eastern Cape Material Source	10 000 000	2020
X.003-022-2018/1	MSBBR: Structural and Drainage Services	5 000 000	2019
N.010-034-2018/1	MSPGS: N10 Fish River to Cradock	10 000 000	2020
Strengthening			
N.009-056-2017/9	DSRGA: Graaff Reinet South to North	23 000 000	2020

Projects in Initiation

Project No.	Project Description	Estimated Cost (2019-2022)	Estimated Design Start
Improvements			
C.003-029-2013/1	DIAHV: R61/9 Service Roads-(km0-20)	33 032 207	2020
C.003-053-2020/1	DILPS: Nqadu to Mbokotwana	13 1983 50	2020
C.003-054-2020/1	DILPS: Qumbu Town to Mzeke River	11 580 975	2020
C.003-055-2022/1	DILPS: Mbokotwana to Qumbu	4 000 000	2020
N.002-190-2020/1	DILPS: Nqadu - Mzeke Ph2 52-55.9	23 779 154	2020
N.002-190-2022/1	DILPS: Nqadu -Mzeke Ph 3 38-52	12 000 000	2020
R.075-020-2017/1	DIAHV: Uitenhage to Kirkwood Int.	25 532 500	2020
R.335-010-2019/1	DILPS: R335 Addo - Zuurberg	15 996 125	2020
R.072-020-2018/1	DIAHV: Alexandria to Port Alfred	32 389 000	2021

Projects in Initiation

Project No.	Project Description	Estimated Cost (2019-2022)	Estimated Design Start
New Facilities			
C.003-001-2012/2	DNURS: Colchester Walkw. and Ped. Br	10 000 000	2020
C.003-033-2016/1	DNNS2: R61/9 Mbotyi to Mazizi Pedestrian Facilities	25 000 000	2020
N.002-100-2019/1	DNURT: Jeffreys Bay I/C to Sunnyside	1 780 950	2021
N.002-110-2018/1	DNNTC: Upgrade of Kinkelbos Traffic Centre	5 000 000	2020
N.002-160-2019/1	DNURT: End Freeway to Gqunubie River	20 815 000	2021
N.002-160-2019/2	DNURT: Kei Mouth I/S to Komga T-Junction	22 536 000	2021
N.002-170-2020/1	DNND2: Butterworth Ring Road	28 033 000	2020

Projects in Initiation

Project No.	Project Description	Estimated Cost (2019-2022)	Estimated Design Start
N.002-178-2020/1	DNND2: Dutywa Ring Road	25 150 000	2020
N.002-180-2022/1	DNND2: N2 Mthatha Ring Road	23 937 500	2022
N.006-010-2018/1	DNURT: N2 Nahoon I/C to Homeleigh	14 953 420	2020
N.006-056-2012/1	DNNBN: Orange River Bridge at Aliwal North	3 683 500	2021

Projects in Design (49 Projects)

Project No.	Project Description	Estimated Cost (2019-2022)	Estimated Tender Year
Ad Hoc Maintenance			
X.003-014-2017/1	MRNRS: Road Markings on New SR Network	45 000 000	2019
X.003-016-2017/1	MRNRS: Road Signs on New SR Network	45 000 000	2019
Periodic Maintenance			
R.058-050-2016/1	MPRS2: Lady Grey to Barkly East	53 000 000	2020
R.056-030-2016/1	MPRS1: Molteno to Vlakfontein	56 171 950	2020
R.056-030-2019/1	MPRS1: Vlakfontein to N6	58 400 000	2020
Special Maintenance			
N.002-100-2016/1	MSPGS: Gamtoos to van Stadens	50 000 000	2021

Projects in Design



Project No.	Project Description	Estimated Cost (2019-2022)	Estimated Tender Year
Special Maintenance			
N.002-178-2017/1	MSPGS: Ibika to Tetyana	228 178 140	2020
N.002-910-2017/1	MSPGS: N2/9-10 Kareedouw to Humansdorp	45 000 000	2019
R.396-060-2018/1	MSPGS: Maclear to N2 near Tsolo	120 906 239	2021
R.056-012-2016/1	MSPGS: Middelburg to Molteno	65 906 250	2019
R.058-040-2016/1	MSPGS: Aliwal to Lady Grey	62 593 447	2020
R.058-050-2016/2	MSNRS: Lady Grey to Barkley East	51 900 000	2020
R.063-120-2017/1	MSPGS: N10 to Bedford	70 558 501	2021
R.075-020-2018/1	MSPGS: Kirkwood I/S to Wolwefontein	98 000 000	2021
R.056-040-2016/1	MSPGS: N6 to Dordrecht	20 349 000	2019

Projects in Design

Project No.	Project Description	Estimated Cost (2019-2022)	Estimated Tender Year
Special Maintenance			
N.010-034-2018/1	MSPGS: N10 Fish River to Cradock	40 500 000	2020
R.075-030-2018/1	MSPGS: Wolwefontein to Jansenville Phase 2	52 000 000	2019
R.390-010-2018/1	MSPGS: Cradock to Hofmeyer	124 489 457	2019
R.410-012-2018/1	MSPGS: Queenstown to Lady Frere	131 000 000	2021
X.003-017-2017/1	MSNGT: Geotechnical Consulting Service	18 000 000	2019
X.003-018-2017/1	MSPGS: R335/R342 Addo to Paterson	47 052 776	2020
R.056-050-2016/1	MSPGS: Dordrecht to Indwe	48 848 718	2019
R.342-010-2018/1	MSPGS: R342 Nguni Lodge to Paterson	45 750 000	2019

Projects in Design

Project No.	Project Description	Estimated Cost (2019-2022)	Estimated Tender Year
Strengthening			
N.002-200-2011/1	DSRGS: Mt Frere to Ngcweleni River	650 006 420	2020
R.056-080-2015/1	DSRGS: Matatiele to KZN Border	560 000 004	2019
R.336-010-2017/1	DSRGS: Kirkwood to Addo Phase 1	155 316 969	2019
R.336-010-2017/2	DSRGS: Kirkwood to Addo Phase 2	150 000 000	2020
Improvements			
N.002-123-2018/1	DIAHV: Nanacha to Komga River	550 500 000	2022
N.002-145-2012/1	DIAHV: Green River to Buffalo River	300 000 000	2019
N.002-145-2016/1	DIAHV: Grahamstown to Fish River Pass, Phase 3	460 393 250	2019

Projects in Design

Project No.	Project Description	Estimated Cost (2019-2022)	Estimated Tender Year
N.002-190-2013/1	DILPS: Nqadu to Mzeke Rivers	340 000 000	2019
R.061-060-2012/1	DIAHV: Tsojana (km7) to Qumanco (km42)	316 092 455	2020
R.061-060-2015/1	DIAHV: Qumanco to Engcobo End, Phase 1	150 000 000	2019
R.061-060-2016/1	DIAHV: All Saints to Baziya, Phase 2	286 307 315	2019
R.061-060-2020/1	DIAHV: Tsomo River to Qumanco, Phase 1	360 000 000	2019
R.063-130-2015/1	DIAHV: Fort Beaufort to Alice	580 000 000	2019
R.063-156-2014/1	DIAHV: R63 Bhisho to N6 Bridge	555 012 371	2021
R.063-160-2016/1	DIAHV: R63/16 N6 Bridge to N2	664 678 836	2019

Projects in Design

Project No.	Project Description	Estimated Cost (2019-2022)	Estimated Tender Year
R.067-050-2016/1	DIAHV: Swart Kei River to Queenstown	428 428 447	2019
R.072-030-2017/1	DIAHV: Fish River to Birah River	460 000 000	2020
R.335-010-2017/1	DIAHV: Motherwell to Addo	500 000 000	2021
S.003-003-2018/2	DNUSC: Upgrade of Pikoli Gravel Road	55 000 000	2019
New Facilities			
C.003-001-2012/2	DNURS: Colchester Walkways and Pedestrian Bridge	10 000 000	2020
C.003-012-2014/1	DNURS: N2 Toleni-Ndabakazi Safety Works	114 000 000	2020
N.002-110-2015/1	DNNIN: New Construction Colchester I/C	80 000 000	2020

Projects in Design

Project No.	Project Description	Estimated Cost (2019-2022)	Estimated Tender Year
N.002-150-2008/1	DNNIN: N2/15 New Breidbach and Belstone	120 000 000	2019
N.002-170-2013/1	DNNIN: Ndabakazi Interchange	81 452 500	2020
N.002-180-2018/1	DNURT: Viedgesville to Mthatha	538 765 282	2020
R.061-070-2017/1	DNURT: Baziya to Mthatha, Phase 2	628 263 157	2022

Projects in Construction

Project No.	Project Description	Estimated Cost (2018-2022)	Estimated Completion
Routine Maintenance			
N.002-126-2013/1	MONRM: Colchester to M10 Gonubie	26 400 000	September 2019
N.002-168-2015/1	MONRM: East London to Mthatha	16 500 000	September 2019
N.002-190-2015/1	MONRM: Mthatha to Brookes Nek	8 712 000	September 2019
N.006-015-2013/1	MONRM: N6 East London to Aliwal North	23 166 000	September 2019
N.009-037-2015/1	MONRM: N9/3-7 and R61/1	26 888 400	September 2019
N.010-014-2015/1	MONRM: Nancha to Middelburg	22 968 000	September 2019
R.056-016-2015/1	MONRM: Middelburg to Indwe	17 952 000	September 2019
R.056-068-2015/1	MONRM: Indwe to KZN Border	17 688 000	September 2019

Projects in Construction

Project No.	Project Description	Estimated Cost (2018-2022)	Estimated Completion
R.058-016-2015/1	MONRM: Norvalspont to Elliot	16 830 000	February 2019
R.061-024-2015/1	MONRM: N9 to N6	14 916 000	September 2019
R.061-058-2013/1	MONRM: Queenstown to Umtata	19 800 000	September 2019
R.063-092-2015/1	MONRM: R63: R75 to Adelaide	14 520 000	September 2019
R.063-136-2015/1	MONRM: Adelaide to N2 on R63	25 080 000	September 2019
R.067-025-2015/1	MONRM: Grahamstown to Queenstown	18 075 492	March 2020
R.072-014-2015/1	MONRM: Nanaga to East London	17 292 000	March 2020
R.075-014-2015/1	MONRM: R75/R63 Uitenhage to WC Border	16 500 000	September 2019
X.003-002-2013/1	MONRM: R62/6-8 and N2/9	19 800 000	September 2019

Projects in Construction

Project No.	Project Description	Estimated Cost (2018-2022)	Estimated Completion
X.003-019-2017/1	MONIM: Road Safety Assessment EC	1 070 364	2020
X.003-020-2017/1	MONIM: RIMS EC Operate and Maintain	1 190 372	2020
Periodic Maintenance			
R.067-030-2017/1	MPRS2: Fort Beaufort to Seymore	109 000 000	2019
Special Maintenance			
N.002-170-2015/1	MSPGS: Toleni to Ibika	775 001	2019
R.391-020-2017/1	MSPGS: R56 I/S to Burgersdorp	11 000 000	2019

Projects in Construction

Project No.	Project Description	Estimated Cost (2018-2022)	Estimated Completion
N.006-020-2017/1	MSPGS: Stutterheim to km 32	107 229 650	2019
R.056-067-2014/1	MSPGS: Indwe to Maclear	655 555 757	2019
R.061-030-2016/1	MSPGS: Cradock to Tarkastad, Phase 2	55 370 628	2020
R.067-020-2015/1	MSPGS: R67: Grahamstown to Fort Beaufort	109 253 558	2019
R.075-040-2015/9	MSPGS: Jansenville to R63 I/S, Phase 1	70 650 613	2019
Strengthening			
N.002-180-2010/1	DSRGS: N2/18 Tetyana to Sitebe Komkulu	27 565 300	2019
R.061-070-2013/1	DSRGS: Baziya to Mthatha	120 394 156	2019
R.061-080-2012/3	DSRGS: Majola Tea to Tombo	9 350 000	2019

Projects in Construction

Project No.	Project Description	Estimated Cost (2018-2022)	Estimated Completion
R.067-050-2015/1	DSCP: Whittlesea to Queenstown	204 749 151	2019
Improvements			
C.003-032-2015/1	DIAHV: Pedestrian Facilities and CAR	20 000 000	2019
N.002-140-2014/1	DIAHV: Grahamstown to Fish River Pass, Phase 2	27 709 627	2019
R.061-080-2012/1	DIAHV: Misty Mountain (km17.5) to Mafini (km3)	199 363 224	2020
R.072-030-2014/1	DIAHV: Port Alfred to Fish River	17 300 000	2019
R.072-034-2014/1	DIAHV: Bihra River to Open Shaw	11 000 000	2020
R.075-010-2016/1	DIAHV: Road Safety (km0) to (km14)	91 500 000	2019
R.075-030-2016/1	MSPGS: Wolwefontein to Jansenville Phase 1	45 500 000	2019

Projects in Construction

Project No.	Project Description	Estimated Cost (2018-2022)	Estimated Completion
New Facilities			
C.003-036-2015/1	DNURS: Tetyana Sitebe Pedestrian Facilities	500 000	2019
C.003-045-2016/1	DNUSC: CD Project in Whittlesea	11 820 564	2019
S.003-003-2018/1	DNUSC: Upgrade of Pikoli Gravel Road	60 000 000	2020



STRATEGIC INITIATIVES

STRATEGIC INITIATIVES

- ❑ **Established Technical Excellence Academy.**
 - Train graduates towards professional registration.
 - Enlist emerging consultants for training in future.

- ❑ **Established duplicate testing laboratory.**
 - Graduates receive training in materials testing.
 - EC-DOT graduates receive training in materials testing.

- ❑ **Engaged NMMU for strategic partnership.**
 - Customized Project Management Course for all Project Managers.
 - Provide relevant soft skills training to graduates and Project Managers.

STRATEGIC INITIATIVES

□ Engineer's Representative for Targeted Enterprises (ERTEs)

- Assume role of Construction Manager on site by:
 - Training and developing SMMEs
 - Assist SMMEs to understand their contracts
 - Assist SMMEs with planning, scheduling and programming of the works
 - Measure up completed works
 - Ideal where CPG is high
 - A paper was presented at PIARC in Durban on this model

□ Future Engineers (FEs)

- TVET college students get onsite training
- Apprentice gains experience towards artisan status
- Relevant training that lead to a diploma qualification
- Currently there over 200 FEs on our sites
- A paper was presented at PIARC in Durban on the training programme

STRATEGIC INITIATIVES

□ Engaging with WSU for strategic partnership

- Establish a fully resourced laboratory
- Train Material Testers

□ SMME Development Programme.

- Provide training of SMMEs and their labourers.
 - Partial learnerships – NQF 2, NQF 3 and NQF4.
 - Full learnerships – NQF 2, NQF 3 and NQF4.
 - Generic Training to majority of labourers on site

STRATEGIC INITIATIVES

- **Community Development Programme.**
 - Develop community development projects from an initial modest labour enhanced model to a full suite of project and training options.



INTERGOVERNMENTAL RELATIONS

INITIATIVES AND PROGRESS

□ Excellent relations with political leadership of the province and government.

- Make presentation at EXCO Lekgotla.
- Participate in the Provincial Management Team.
- Member of the Provincial Infrastructure Cluster.
- Contribute to Premier's State of the Province speech.

□ Working relationship with the DRPW and DOT

- Implement projects on behalf of the department.
- Empower DoT engineers by exposing them to Project Management.
- Contribute to MEC's budget speech.

INITIATIVES AND PROGRESS

□ **Render assistance to Local Municipalities.**

- Advise on Statutory Control applications.
- Implement projects for municipalities identified by Provincial Treasury.
- Make presentations to individual municipalities, DIMAFO and at MUNI-MEC.



SR CHALLENGES

CHALLENGES – EXTERNAL

□ Road Safety

- Illegal/uncontrolled developments along the national roads/routes.
- Dumping of waste/refuse within the road reserve.
 - Dogs and cats scavenging in road reserve.
- Cutting of fences.
 - Stray animals in the road reserve.
- Most dangerous roads/routes traverse through the EC.
 - N2: East London to Kokstad.
 - R61: Queenstown to Port St Johns.
 - Illegal and informal accesses.
 - Jay-walking and road crossing.
 - Significant number of pedestrians on the road.

CHALLENGES – EXTERNAL

□ Statutory Control Matters

- Uncontrolled developments.
- Dumping along national routes.
 - Municipalities do not do litter picking.
- Need to locate all SANRAL properties.
- Value our land for commercial purposes.
- Strengthen municipal engagement, etc.
- Municipal staff turnover.

□ SMMEs

- Incessant threats from SMMEs.
- Harassment of contractors on site.
- Protests at SANRAL offices on several occasions.

Thank You

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