

Greenroads South Africa – Developments and Updates

- 1. Localisation Process Update**
- 2. Structure and Partnership between USA and South Africa**
- 3. Pilot Projects**
- 4. What's Next**

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1. Localisation Process Update

- a. Industry Feedback Has Begun Formal Submission to the Greenroads Foundation (GRF) for Review
- b. New Credits provided to GRF for Review
- c. Identifying the Most Feasible Way Forward Given Resources Available

2. Structure and Partnership

- a. Greenroads is now Greenroads International
 - i. SA is the first Local Chapter
 - ii. GrSA still under custodianship of SARF

3. Pilot Projects

- a. RHDHV Completed SA's first Pilot Project at Model Kloof Pedestrian Bridge
 - i. Formal Feedback Received
 - ii. Existing Concepts tested, New Concepts tested
- b. About the Pilot Project process...

Greenroads Project Rating Program - Statistics

- 10 Certified Projects (10+ more coming soon)
- 53* Projects Registered (>\$5.5 billion)
 - 7 states registered
 - 3 more projects pending registration in 2014 (that we know of)
- 14 Projects Pursuing Assessment (Pilot, A-Lined)
 - 3 projects in Canada
 - 7 projects in New Zealand
 - 1 project in South Africa 
 - 1 in Taiwan, Italy, UAE



What Makes a Good Pilot Program

Projects are past 90% DESIGN

- Ideally complete
- At minimum, documents include construction specifications
- As-built drawings or construction plans desirable

Pilot Projects Being Sought Should Include

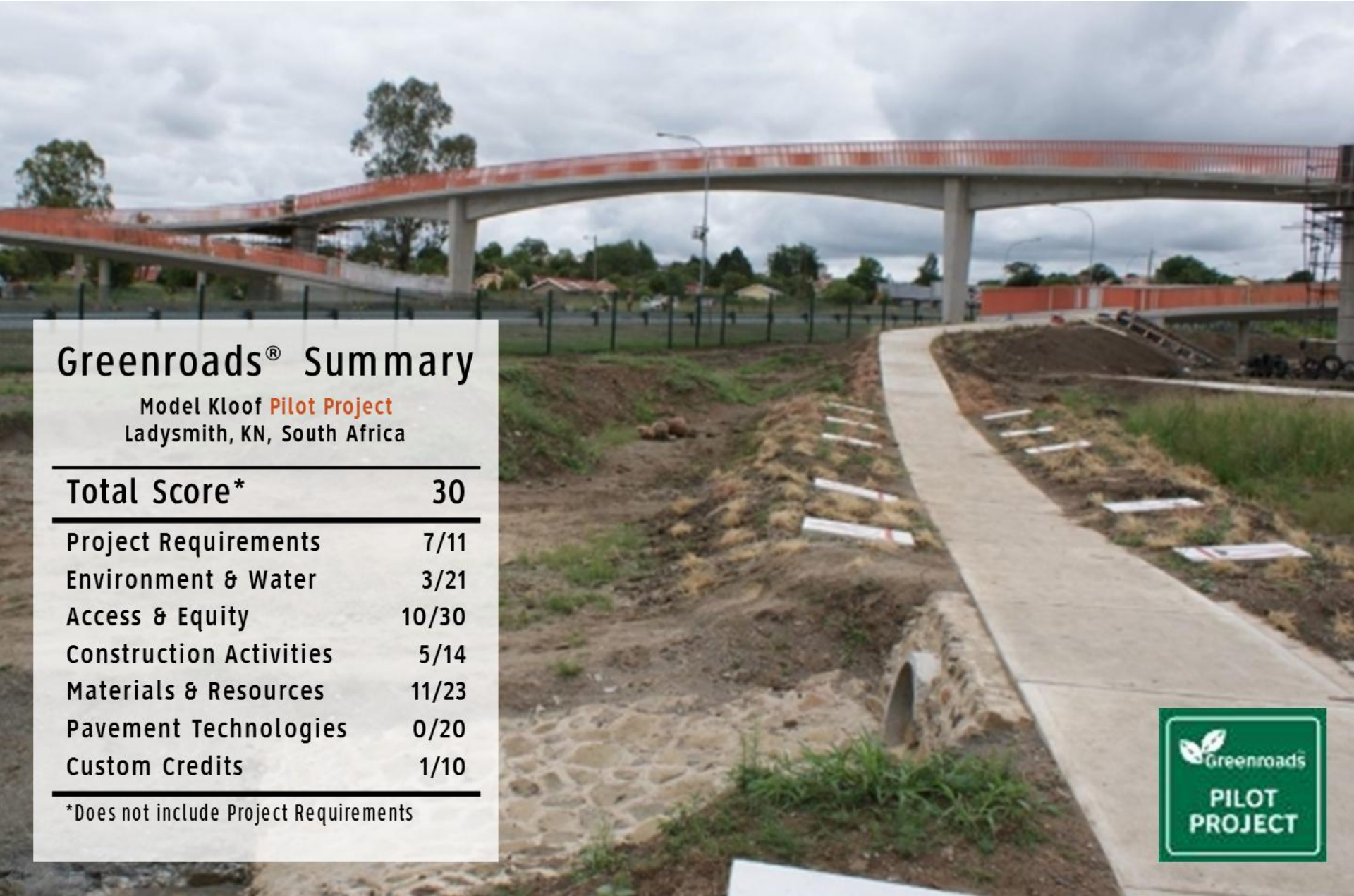
- Various Scopes of Work (e.g. reconstruction, new construction, widenings, recycling, etc.)
- Various Project Owners
- Different budgets or contract/finance structures
- Unique environmental conditions or impacts
- Examples of “typical practice”

What to Expect: Prices and Turnaround

Project Value	Pilot Project Fee*
R100,000,000 or less	R50,000
More than R100,000,000	R75,000

*Special prices for projects nominated by Greenroads RSA Chapter

- Work begins only after receipt of:
 - Signed registration agreement and Assessment Agreement
 - All applicable fees
 - ALL DOCUMENTS
- Technical report: 4-8 weeks turnaround
 - May vary with backlog of existing projects



Greenroads® Summary

Model Kloof **Pilot Project**
Ladysmith, KN, South Africa

Total Score*	30
Project Requirements	7/11
Environment & Water	3/21
Access & Equity	10/30
Construction Activities	5/14
Materials & Resources	11/23
Pavement Technologies	0/20
Custom Credits	1/10

*Does not include Project Requirements



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PR-8 Low Impact Development

Use low-impact development (LID) stormwater management solutions where appropriate to better mimic pre-development hydrological conditions.



AE-5 Pedestrian Access

Promote walkable communities by providing or improving pedestrian facilities.



CA-2 Environmental Training

Provide construction personnel with the knowledge to identify environmental issues and best practice methods to minimize environmental impact.



Workers build a village road in Labuan Bajo, West Flores Island, Indonesia

CC-2 Workzone Safety

Improve work-zone safety by using best practice methods to minimize injury risk.



Night paving at NE 45th Street and 7th Avenue NE in Seattle, WA

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3. Pilot Projects

- a. RHDHV Completed SA's first Pilot Project at Model Kloof Pedestrian Bridge
 - i. Formal Feedback Received
 - ii. Existing Concepts tested, New Concepts tested
- b. About the Pilot Project process
- c. Pilot Projects Identified
 - i. Naidu, Aurecon and RHDHV
 - ii. **More projects needed**
 - iii. Info@GreenroadsSA.org.za

4. What's Next

- a. Pilot Projects used to identify potential issues and calibrate new & existing Credits
 - i. Collaboration between USA & South Africa
- b. Launch of Rating System suited for International and South African context
- c. Ongoing collection of Industry Feedback for continued development

What else you can do!

- Get Experience: Work on a Greenroads Project
 - Screen your project for eligibility for FREE
 - Video tutorials on the website
 - Work with us internationally through Pilot Programs
- Get Educated: Join as a Member
 - Exciting new educational partners (APWA! ITE! AGC!)
 - Become a Founding Sponsor of Greenroads
 - 100+ Sustainable Transportation Professionals (STPs)
 - Membership program growing all over world
 - Committee opportunities for members

