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Concrete Pavements Conference 2013

12 August 2013

Conference Overture

(in the key of C – Concrete)

John Hodgkinson



Replace with
Speaker Logo

Overture :
An introduction to something
more substantial



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After 38 years experience

- We continue to progress
- We look forward through the windscreen
- Not back through the rear view mirror



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ASCP 2013

The Conference

- Contemporary experience
- Future directions

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The early projects



CRCP – 1975



PCP - 1983

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2013 Reality

Some Early Perceptions

- Too slow
- Too costly
- Too bumpy

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2013 Reality

Riding quality

Specification conformance roughness **40**

Typical construction **“20s + low 30s”**

Roughness : **40 30 20**

IRI **:1.56 1.18 0.80**

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2013 Reality

Too slow ?

Typical daily production ~ 1500 m³
about 1km of 10mcarriageway



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2013 Reality

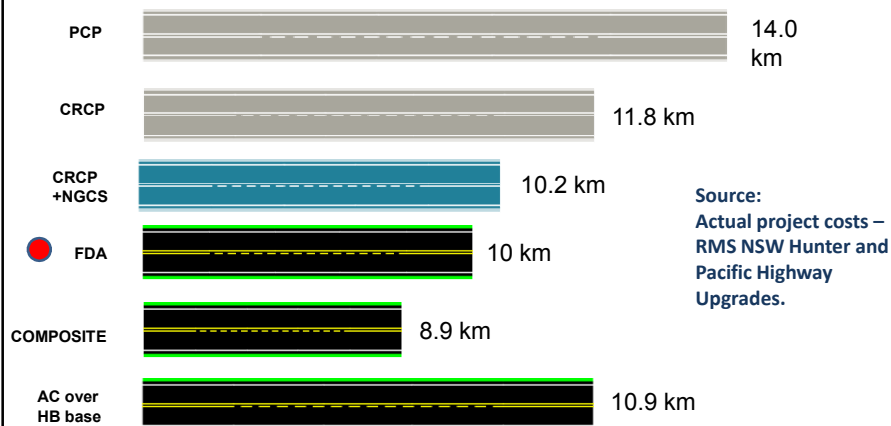


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2013 Reality



DRIVING THE ROAD DOLLAR FURTHER



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ASCP 2013 – Conference Context

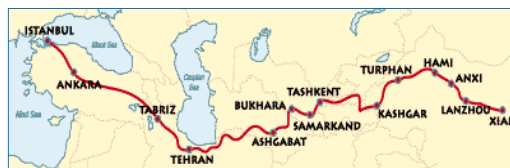
- Major role of private sector
- Collaboration between public/private sectors
- Private sector investment in technology, equipment, construction practice
- Rising generation on ASCP Executive
- Taking note of the other guys

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The Silk Road – Ancient – Marco Polo



Marco Polo
1260-1295



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The Silk Road – Modern - David Dash 2013



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Dan Zollinger

Sustainability
A “banner” for all infrastructure

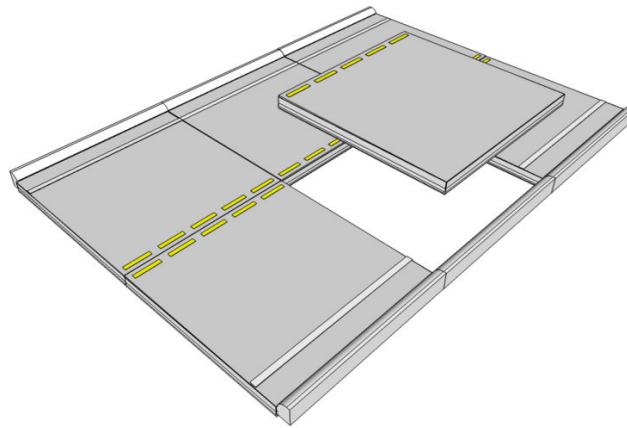
Key components
Long term
Concrete pavement systems



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Shiraz Tayabji + Neeraj Buch

Innovation : Precast concrete systems



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George Vorobieff + Peter Carson



Diamond grinding

- 24-year Australian pregnancy 1985 – 2009
- Now established – private investment



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Anna– Carin Brink Aggregate Interlock Efficiency

Comparing South African and USA aggregates



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David Fowler + Vute Surivivatnanon

Manufactured sands
A reality

Learning to work and live with them



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John Eisenhour

“more paving time .. less of everything else”
(G&Z paver Hume Highway 1983 – first of the big pavers)
“BIG RED”



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Jamie Egan

- Large concrete production - full width paving
- Transverse stress development
- Longitudinal joint locations



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Those who have helped us

Passing of 20th century legends



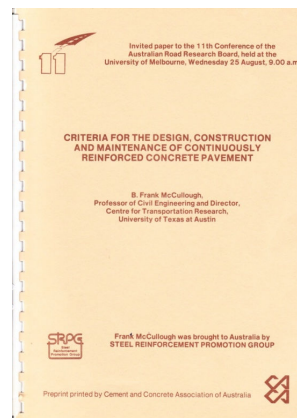
Chicago January 1983

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Vale – Frank McCullough



CRCP “Guru”



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Frank McCullough



Pacific Highway
Clybucca 1975



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Frank McCullough



Foreshore Rd 1978



M4 Mays Hill 1982

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Frank McCullough

Working with Frank



“ Did ah earn mah coke ? ”

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Farewell Frank

Frank passed away last year aged 78 on the golf course

What a guy

Done too soon



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Anyway, enough from me, let us get started



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