

Ownership of Asphalt Planings

Malcolm Simms Asphalt Technical Manager

Mineral Products Association

OVERVIEW

- The 6 W's
- Other Issues
- Conclusions
- A word from our sponsors

THE 6 W's

- What?
- Who ?
- Where ?
- When ?
- Why ?
- How ?

WHAT ?

- Wiki time !

“Ownership is the state or fact of
exclusive rights
and control
over property”

Which implies.....

WHO ?

- Why does it matter who !?
 - Well, (we) I was asked to present on ownership....
 - Individuals or Organisations ?
 - Highway Authorities or Agencies - road owners
 - Planing Contractors
 - Producers
 - Contractors
- All of the above & anyone else with a “vested interest” ?

AKA.....

WHERE ?

- Everywhere ?
- Volumes.....

Somewhere in the region of...

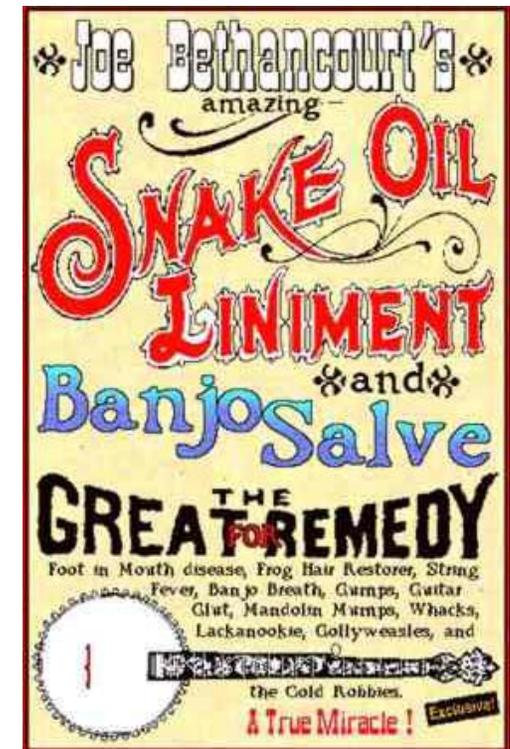
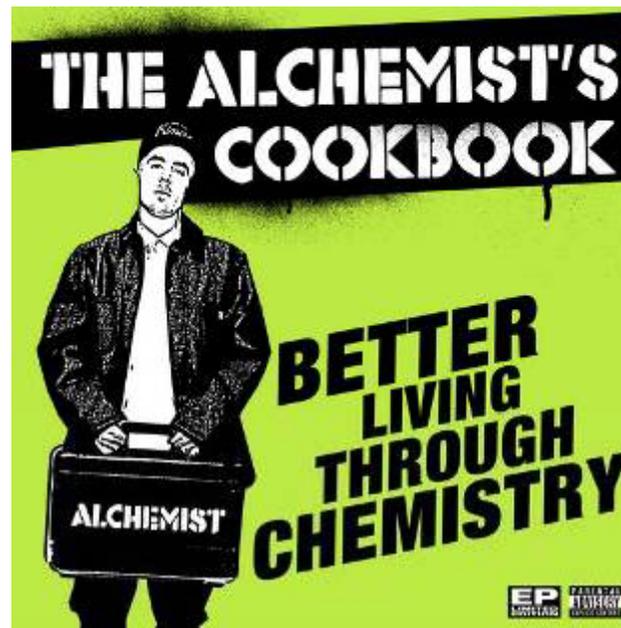
- 6.5MT from HA & LA (extrapolated from Assoc Planing Contractors 2007)
- 4.5MT of which is 'available for use'
≈ 2MT recycled ~ 30%



WHERE ?

- Utilities - Who knows ?
- WRAP estimates 5-6MT?

In the hands of alchemists & snake charmers ?



WHEN ?

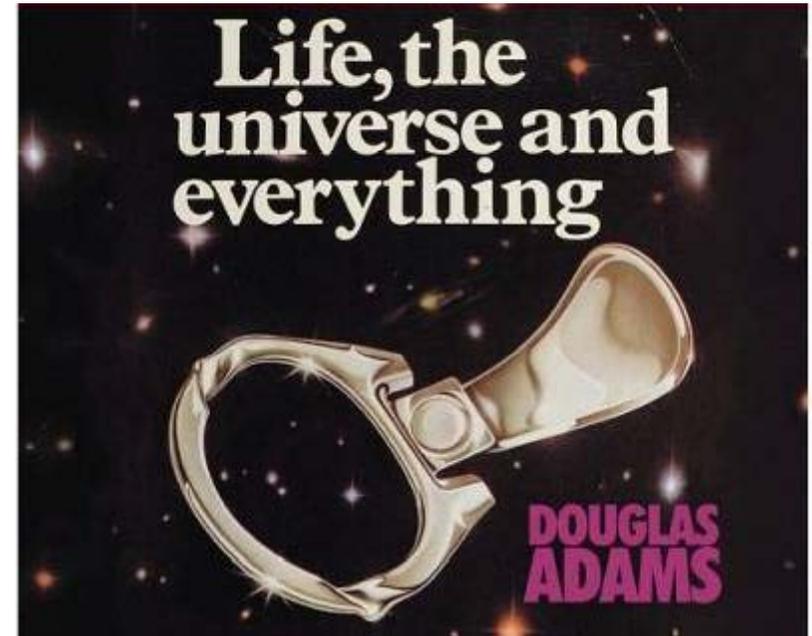
- All the time !? - See WHO & WHERE !

WHY ?

- The BIG Question.....
- Is the answer 42 ?
- Probably not this time...



- The other big answer....
- £££££



WHY ? £££££ - The 'Owner'

- Asset Management techniques designate a value to the network (NPV)
- By implication this designates a value to the materials therein (in-service inherent value)
- Deterioration & Removing the materials from service reduces the network value
- Until they are replaced - which should at least return the NPV to its previous level



WHY ? £££££

- Replacing with recycled materials recycles the in-service inherent value ?
- Well, you would hope so....but...
- Associated costs of recycling processes - excavation, transport, processing, transport, installation, and/or disposal
- Reduces the inherent value = £0 ?
- Does this make them “worthless” to the owner?
- Raises other Waste-related issues....

WHY ? £££££ - The 'Planer'

- Gets paid to remove materials !
- Contract £ +/- inherent value ?
- Arguably best placed to immediately recover value of planings
- Can 'sell-on' as a valuable secondary resource
- Needs to recover investment in plant & workforce



WHY ? £££££ - The 'Processor'

- Receives a load of planings from site(s)
 - Quarantine
 - Assess quality - grading, binder content aggregate type, contaminants etc....
 - Dispose if necessary !
 - Reprocess as necessary - decontaminate, crush, screen
 - Storage, manpower, transport, energy - all have associated costs
- = Recycling is rarely free !



WHY ? £££££ - The 'Processor'

- Reduces demand on primary sources
- Sainly good nature
- Higher % addition increase savings ?
- Client requirements
- Because we can, and we're actually quite good at it ?
- Only in exceptional cases are these not variable - almost as variable as the feedstock



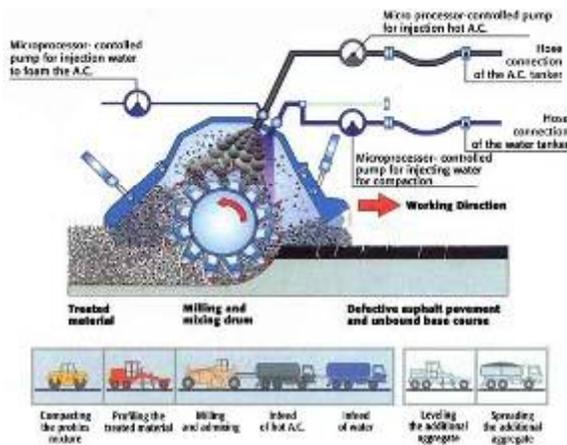
WHY ? £££££ - The 'Contractor'

- Gets paid to (re)install materials !
- Works with “Planer” on site ?
- Will seek to reduce costs wherever practicable without compromising quality
- Investment in plant & workforce



HOW ?

- Processes- More of this later I'm sure but...
- In-situ, ex-situ, hot, warm, cold & all points in between
- Mechanical, chemical, biological....



HOW ?

- Contracts
- These will / should define the point of ownership, which will define the drivers for recovering that ‘inherent value’



HOW ?

- Who wants to own them most ?
- Road Owner retained - storage, pay for re-processing, tracking, guarantee to get them back ?
- Planer retained - need to buy ? But can sell to anyone...
- Producer retained - maximise re-used content to optimise savings vs. costs (practical and technical barriers)
- Contractor retained - combination of above ?



HOW ?

- Who wants to own them most ?



Currently - majority appears to be sold from planer to producer

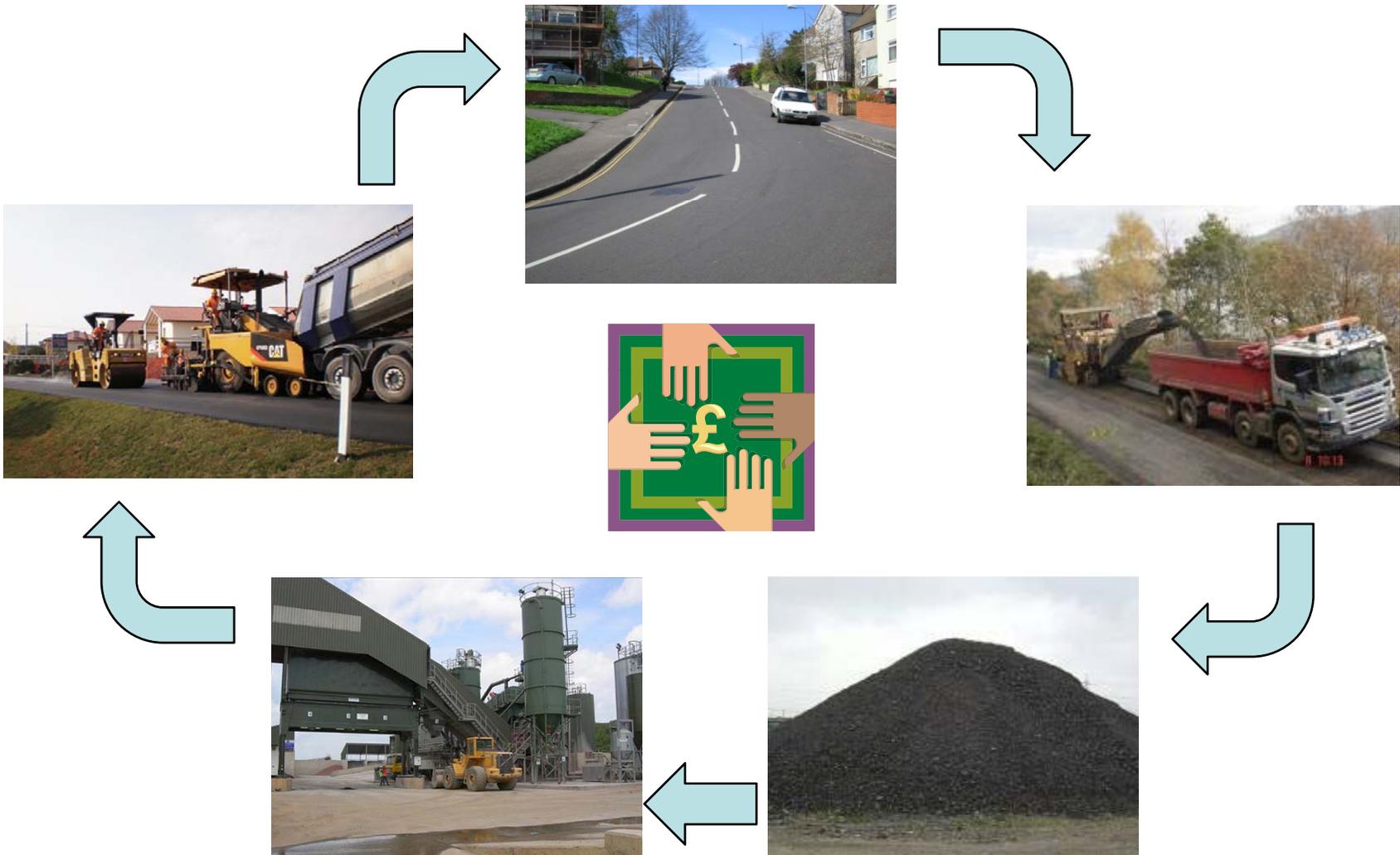
Best place ?

And why not ?



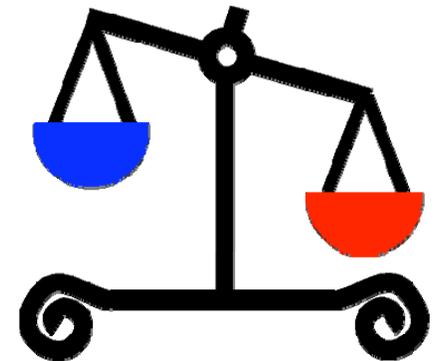
ASSOCIATED ISSUES?

- Ownership implies responsibility / duty of care ?
- Tar - identify (owner), transfer and dispose (Regulation) storage (leaching ?) Re-processing (temps) etc etc...?
- Carbon Accounting - defining point of claimed benefit



CONCLUSIONS ?

- It sort of kind of just works !?
- Does it need to change ? If it aint broke....
- Opportunity to divest responsibility ?
- As well as derive value.
- What it does demonstrate, regardless of ownership...





ASPHALT
100% RECYCLABLE



And Now...a word from our sponsors

- Donna is very sad that she couldn't be here today, but was called away to sunny Dorking at late notice.
- Donna apologises that you were left with just me - I concur, but now she owes me a pint !



But seriously...

- Pressures on finance and hence cost and value clearly require us to know what we are doing with our existing assets, particularly if we reuse them.
- Expect to be pressed for increased and improved reporting of quantities and destination of the HA's planings.
- Concentrate on re-using our own 'waste', not finding a solution for others' waste problems

Thanks for listening