7.0 RAC Jeopardy

Assessment of Learning

RAC Jeopardy

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Final RAC Jeopardy

Category: RAC Construction

This particular type of compaction equipment should not be used for RAC mixtures.
Jeopardy
Rubberized Asphalt Concrete Pilot Training Course

Roads, Routes, and Highways - $100
Where you can “get your kicks.”

Roads, Routes, and Highways - $200
This was the year that the Interstate Highway program was initiated. This was also the year that Dwight D. Eisenhower was re-elected President of the United States.

Roads, Routes, and Highways - $300
The year that the first RAC experimental pavement was constructed in California.
7-3

Roads, Routes, and Highways - $400

In this Ray Charles song, a wronged woman makes this demand of her man.

Roads, Routes, and Highways - $500

This is the county and route identification for one of the five RAC Warranty projects constructed in California.

Got RAC? - $100

This RAC surface was used to construct the long-life pavement along I-710.
These are two primary advantages of using RAC as compared to conventional dense-graded AC.

One of two primary limitations associated with the use of RAC.

This is the primary difference between a RAC-O and a RAC-O-HB.
Got RAC? - $500

This type of mix gradation is not suitable for use with high-viscosity asphalt rubber binders.

RACitecture - $100

The year that Caltrans first adapted its reduced thickness design criteria for RAC overlays.

RACitecture - $200

Compared to the gravel factor (G_f) for DGAC, the G_f for RAC is:
(a) greater
(b) slightly lower
(c) much lower
(d) about 1.0
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RACitecture - $300

Daily Double!

RACitecture - $300

This is the typical range in RAC overlay thickness for rehabilitation and maintenance purposes.

RACitecture - $400

For a pavement exhibiting only this type of distress, the ratio of RAC:DGAC overlay thickness required is:

- 2:1
- 1:1
- 1:2
- A:Z

2:1

1:1

1:2

A:Z
Because of its low stiffness, a RAC layer
(a) is less resistant to cracking
(b) is highly resistant to rutting
(c) permits greater vertical stress
on the subgrade than a DGAC mix
(d) is very permeable

This process is used to make (high
viscosity) asphalt rubber binders.

These 3 key ingredients are used to
make asphalt rubber binder.
RAC of Ages - $300

These are the two types of CRM used to make asphalt rubber.

RAC of Ages - $400

Two of the three key factors that affect the properties of asphalt rubber binders.

RAC of Ages - $500

This submittal is required to show that the asphalt rubber binder design meets specification requirements over a 24-hour period.
RAC and Roll - $100

These are the two types of mix segregation.

RAC and Roll - $200

Daily Double!

RAC and Roll - $200

This factor is the most critical to successful RAC placement and compaction.
This construction factor has the largest effect on pavement performance.

This is an activity that should be minimized during RAC paving.

This is the primary difference in normal AC plant operation when a RAC mix is being produced.
An Ounce of Prevention - $100
This is the standard temperature at which asphalt rubber binder viscosity is measured.

An Ounce of Prevention - $200
This is the go (or no-go) field test for asphalt rubber.

An Ounce of Prevention - $300
This is the minimum reaction (or interaction) time requirement for asphalt rubber binder.
An Ounce of Prevention - $400

The frequency at which asphalt rubber binder viscosity should be checked.
(a) every 15 minutes
(b) every 30 minutes
(c) every hour
(d) every 2 hours

An Ounce of Prevention - $500

This is the amount of CRM (expressed in percentage of total binder mass) that can be added to an asphalt rubber binder to restore viscosity.

RAC Training Final Exam
Course Evaluation