

Rama 8 Bridge

Last Modified 2000 July 20

Location:

Bangkok, Thailand

Description:

Envisioned as a tribute from the current King of Thailand to his brother King Rama 8, this 300 m span cable-stayed bridge will span the Chao Phraya River at the centre of Bangkok.

Owner/Client:

Bangkok Metropolitan Administration

Scope of Work:

The Design/Build contract was awarded to a Joint Venture headed by PPD Construction Co. Ltd. of Thailand, China State Construction Engineering Corporation and BBR Systems Ltd. of Switzerland with engineering services provided by Scott Wilson Kirkpatrick Ltd. (site inspection and geotechnical design) and Buckland & Taylor Ltd. (cable-stayed design).

Buckland & Taylor Ltd.'s scope of work includes both the design of the cable-stayed bridge and the provision of construction engineering for its erection.



RADCON (Thailand) Co., Ltd.

Tel. (662) 917- 3524-5 Fax: (662) 917- 3528

Fax.**Date :** 11 May ,2001**Pages :** 1**To :** Radcrete Pacific**From :** Rod Soderberg**Attn :** Mr. Adam Everett**CC :** Mr. Ed Byrne**Ref:** RAMA 8 Bridge.

COPY

Dear Adam / Ed,

Yesterday we had a meeting with both Mott Macdonald and China State regarding final details for the Bridge deck waterproofing.

Since the deck is made up of large precast panels supported on an steel I beams and since there is a lot of reinforcing in the infill areas tying the precast panels together it should be a very stable structure.

Volclay RX 102 will be bonded to all the precast panel faces before pouring the infills.

The infills are high strength concrete 50 Mpa and will use some local lignite fly ash (High Calcium).

Since our standard Radcon # 7 documentation excludes the use of fly Ash we have been asked by Mott Macdonald to get a cover note from Radcrete Pacific stating :

1. that the high calcium fly ash to be used (Chemical Composition will be received from contractor very soon). *Is O.K.*
2. That the reason for excluding fly ash in general is because there is often no discrimination between 'C' and 'F' types.

- We would expect bridge completion in about 2 years. The Deck will start progressively in the later part of this year.
- We will take detailed photos of our work as it progresses as is the case with all major projects.
- As regards a banner for the bridge. You rarely see any product marketing on site hoardings etc. However in the rare case that you do see such you can be sure some one high up is getting a bit of cash on the side.

I recall seeing a Sika sign on one project year or two ago. We were not welcome on the site and were never able to meet the project manager. In this particular case the consultants knew our work, and were quite interested in seeing Radcon used.

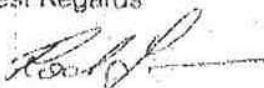
The Sika board was removed well before project completion, and certainly not because Sika wanted it removed.

- The quality of Digital Cameras and computers these days means you can probably attach a banner quite easily without the costs.

Imagine what our competitors would be saying if we were able to attach a Radcon banner to this type of project. It would cause the people who are giving us the work some embarrassment.

Though it will not use huge amounts of Radcon it is a very prestigious project and as with the two MRTA Station underpass decks it gives us local references that are very valuable for the future.

Best Regards



Rod Soderberg
Managing Director

RADCON (Thailand) Co., Ltd.

Tel. (662) 917- 3524-5 Fax. (662) 917- 3526

Fax.

Date : 03 May ,2001

Pages : 1

To : Radcrete Pacific

From : Rod Soderberg

Attn : Mr. Adam Everett

CC :

Ref RAMA 8 Bridge.

Dear Adam,

We are told that Radcon #7 is considered to be the most appropriate material for waterproofing the deck.

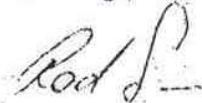
The contractor China State has said he will use Radcon # 7, Mott Macdonald the Project Managers have said they thought Radcon # 7 was the most appropriate and the designers Buckland and Taylor recommended the use of Radcon # 7 some time ago. Thus unless something unforeseen occurs Radcon # 7 will be used on the Bridge Deck.

It is interesting to note that Xypex have been trying hard to get the work however in discussions with Mott Macdonald I mentioned that as far as we know the direct adhesion of bitumen to concrete which has been coated with crystal growth material would create some doubt. Mott Macdonald are aware of this fact.

Personally I do not see any genuine competitor for Radcon # 7 on Bridge decks.

Designer RAMA 8 Bridge (Buckland and Taylor) Mr. DON.W. Bergman. Tel. 6049861222,
Email : nvan@b.t.com. Fax. (604) 986 -1302.

Best Regards



Rod Soderberg
Managing Director