

가

+) 가

, , - - 3

가

2 3-void, 2-void

, 100%

AASHTO

1. Corbin (Huntingdon, 1996.)

(a) 3-void (b) 2-void

2. Aluminum

3. Aluminum

4. Aluminum

90 Reynolds 가

Alumadeck Corbin br.(1996)
Little Buffalo Creek br.(1997)

1930
1933-1963

9 Hydro Aluminum
EXPOMAT (EXPort Oriented
MAterials Technology)

1 Forsmo br.(1995)

(Life cycle cost, 10 40
+



가 .

3
top, bottom splice plate shear block

(4)

(weight-strength ratio) 가

RC 20% RC

50

5.

1. F. Soetens, J. van Straalen(2003), "Aluminium Bridge, Aluminium Bridge Decks", European Conference of Lightweight Bridge Decks

2. W. Wright(1997), "Building the Bridge to the 21st Century with Aluminum", Public Roads, Vol. 60, No. 4

3. P. Robert(1998), Evaluation of Field Tests performed on an Aluminum Deck Bridge, Thesis of MS, Virginia Polytechnic Institute and State Univ.

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ITS Technology

1. (Ubiquitous)

100% 가 . .

1988 (PARC) 가

가

가

IT 가

「Ubiquitous」

), PC

, PDA,

TV, Auto PC, CNS

Post-PC群

Post-PC OS(WinCE,