Appendix 2:

Temperature and Strain Data for Arch

Temperature Data
Page 1-28

Strain Data
Page 29-76
LS02CS01: Temperature Plot

- Temperature Data

Time (Reading taken at 5-minute intervals)

Temperature (degF)

SB Arch Pour  SB Arch Cure  SB Frame 2 Deck Construction  SB Frame 2 Time Lapse

Oct08 Nov Dec Jan09 Feb Mar Apr May Jun09 Jul Aug Sep Oct Nov Dec Jan09 Feb Mar Apr May Jun10 Jul Aug Sep Oct Nov Dec Jan11

−20 0 20 40 60 80 100
TC04WW01: Temperature Plot

Time (Reading taken at 5-minute intervals)

Temperature (degF)

SB Arch Pour  SB Arch Cure  SB Frame 2 Deck Construction  SB Frame 2 Time Lapse

Oct08 Nov Dec Jan09 Feb Mar Apr May Jun09 Jul Aug Sep Oct Nov Dec Jan10 Feb Mar Apr May Jun10 Jul Aug Sep Oct Nov Dec Jan11
LC05TF01: Temperature Plot

Temperature Data

- SB Arch Pour
- SB Arch Cure
- SB Frame 2 Deck Construction
- SB Frame 2 Time Lapse

Time (Reading taken at 5-minute intervals)

Oct08 Nov Dec Jan09 Feb Mar Apr May Jun09 Jul Aug Sep Oct Nov Dec Jan10 Feb Mar Apr May Jun10 Jul Aug Sep Oct Nov Dec Jan11

Temperature (degF)
LC06TF01: Temperature Plot

Temperature Data

Time (Reading taken at 5-minute intervals)

SB Arch Pour  SB Arch Cure  SB Frame 2 Deck Construction  SB Frame 2 Time Lapse

Temperature (degF)

-20 0 20 40 60 80
LS01BF02: Strain Plot

Strain (μS)

Time (Reading taken at 5-minute intervals)
TS01EW01: Strain Plot

Strain (µS)

Time (Reading taken at 5-minute intervals)

-1500 -1000 -500 0 500

SB Arch Pour  SB Arch Cure  SB Frame 2 Deck Construction  SB Frame 2 Time Lapse

Oct08 Nov Dec Jan09 Feb Mar Apr May Jun09 Jul Aug Sep Oct Nov Dec Jan10 Feb Mar Apr May Jun10 Jul Aug Sep Oct Nov Dec Jan11
LS03BF01: Strain Plot

- Strain Data

Time (Reading taken at 5-minute intervals)
LS03BF02: Strain Plot

- Strain Data

Strain (uS)

Time (Reading taken at 5-minute intervals)
LC03TF01: Strain Plot

Time (Reading taken at 5-minute intervals)

Strain Data

SB Arch Pour
SB Arch Cure
SB Frame 2 Deck Construction
SB Frame 2 Time Lapse
LS03TT01: Strain Plot

Strain Data

Time (Reading taken at 5-minute intervals)
TS03EW01: Strain Plot

Time (Reading taken at 5-minute intervals)

Strain Data

Strain (uS)

SB Arch Pour  SB Arch Cure  SB Frame 2 Deck Construction  SB Frame 2 Time Lapse

Oct 08  Nov  Dec Jan 09  Feb  Mar  Apr  May Jun 09  Jul  Aug  Sep  Oct  Nov  Dec Jan 10  Feb  Mar  Apr  May Jun 10  Jul  Aug  Sep  Oct  Nov  Dec Jan 11

−500 0 500 1000 1500 2000 2500 3000 3500 4000 4500

SB Arch Pour  SB Arch Cure  SB Frame 2 Deck Construction  SB Frame 2 Time Lapse
LC04TF01: Strain Plot

Time (Reading taken at 5-minute intervals)

Strain (uS)

SB Arch Pour SB Arch Cure SB Frame 2 Deck Construction SB Frame 2 Time Lapse

-6000 -4000 -2000 0 2000 4000 6000
TS04EW01: Strain Plot

Strain Data

Time (Reading taken at 5-minute intervals)
LS05BF01: Strain Plot

Strain Data

- Strain Plot

Time (Reading taken at 5-minute intervals)

Strain (µS)

SB Arch Cure
SB Arch Pour
SB Frame 2 Deck Construction
SB Frame 2 Time Lapse

Oct08 Nov Dec Jan09 Feb Mar Apr May Jun09 Jul Aug Sep Oct Nov Dec Jan10 Feb Mar Apr May Jun10 Jul Aug Sep Oct Nov Dec Jan11
LC05BF02: Strain Plot

Time (Reading taken at 5-minute intervals)

Strain (uS)

SB Arch Pour
SB Arch Curing
SB Frame 2 Deck Construction
SB Frame 2 Time Lapse

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LS05BF02: Strain Plot

Strain Data

- Strain Plot

Time (Reading taken at 5-minute intervals)
LS05TF02: Strain Plot

- Strain Data

Strain (µS)

Time (Reading taken at 5-minute intervals)
LC06BF01: Strain Plot

Strain Plot showing strain data with time (reading taken at 5-minute intervals) and strain values.

Key:
- SB Arch Pour
- SB Arch Cure
- SB Frame 2 Deck Construction
- SB Frame 2 Time Lapse

Time (Reading taken at 5-minute intervals):
- Oct08
- Nov
- Dec
- Jan09
- Feb
- Mar
- Apr
- May
- Jun09
- Jul
- Aug
- Sep
- Oct
- Nov
- Dec
- Jan10
- Feb
- Mar
- Apr
- May
- Jun10
- Jul
- Aug
- Sep
- Oct
- Nov
- Dec
- Jan11

Strain (μS):
- −2000
- −1500
- −1000
- −500
- 0
- 500
- 1000
- 1500
- 2000

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LS06BF01: Strain Plot

Strain (µS)

Time (Reading taken at 5-minute intervals)
LC06BF02: Strain Plot

Time (Reading taken at 5-minute intervals)

Strain Data
LS06BF02: Strain Plot

Strain (μS)

Time (Reading taken at 5-minute intervals)
LC06TF01: Strain Plot

- Strain Data

Strain (uS)

Time (Reading taken at 5-minute intervals)

SB Arch Pour  |  SB Arch Citer  |  SB Frame 2  |  Deck Construction  |  SB Frame 2  |  Time Lapse
LS06TF02: Strain Plot

Time (Reading taken at 5-minute intervals)

Strain (uS)

-3000
-2000
-1000
0
1000
2000
3000

SB Arch Pour
SB Arch Cure
SB Frame 2 Deck Construction
SB Frame 2 Time Lapse
LS06TF04: Strain Plot

Strain (µS)

Time (Reading taken at 5-minute intervals)

SB Arch Pour
SB Arch Cure
SB Frame 2 Deck Construction
SB Frame 2 Time Lapse
LS07BF01: Strain Plot

Time (Reading taken at 5-minute intervals)

Strain (uS)

SB Arch Pour  SB Arch Cure  SB Frame 2 Deck Construction  SB Frame 2 Time Lapse

Oct08  Nov  Dec Jan09  Feb  Mar  Apr  May Jun09  Jul  Aug  Sep  Oct  Nov  Dec Jan10  Feb  Mar  Apr  May Jun10  Jul  Aug  Sep  Oct  Nov  Dec Jan11
LS07BF02: Strain Plot

Strain (uS)

Time (Reading taken at 5-minute intervals)
TS07WW01: Strain Plot

Time (Reading taken at 5-minute intervals)

Strain (uS)

SB Arch Pour  SB Arch Cure
SB Frame 2 Deck Construction
SB Frame 2 Time Lapse

Oct08 Nov Dec Jan09 Feb Mar Apr May Jun09 Jul Aug Sep Oct Nov Dec Jan09 Feb Mar Apr May Jun10 Jul Aug Sep Oct Nov Dec Jan11