

CH2M-HILL SR-710 TUNNEL
DATE: 01-12-2009 BORING: Z3-B12
RUN: 35 → 37 →
BOX: 32+33 DEPTH: 229.8'-241.8'

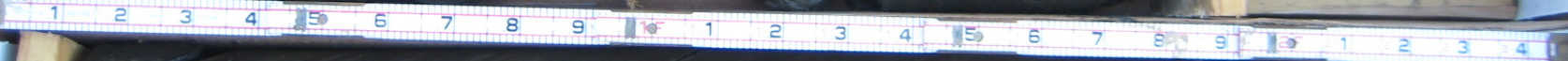
229.8'



234.8'

236.9'

SPACER



236.9'



239.8'

241.8'



01/12/2009

CH2M-HILL SR-710 TUNNEL
DATE: 01-12-2009 BORING: Z3-B12
RUN: 37 → 39 →
BOX: 34+35 DEPTH: 241.8-250.8

01/12/2009

241.8'

243.6'

244.5'

244.5'

244.5'
12-257

250.8'



CH2M-HILL SR-710 TUNNEL
DATE: 01-13-2009 BORING: 73-B12
RUN: 39-42 →
BOX: 36 & 37 DEPTH: 250-8' - 262'



01/13/2009

CH2M-HILL SR-710 TUNNEL
DATE: 01-13-2009 BORING: 73-B12
RUN: 43-44 →
BOX: 38+39 DEPTH: 262'-271.3'



01/13/2009

CH2M-HILL SR-710 TUNNEL
DATE: 01-13-2009 BORING: 73-B12

RUN: 44 → 45 →

BOX: 40+41 DEPTH: 271.3-275.0
TD

271.3

0272

0273

0274
275.0

01/13/2009

CH2M-HILL SR-710 TUNNEL
DATE: 01-12-2009 BORING: Z3-B12
RUN: 31 → 34 →
BOX: 30+31 DEPTH: 218.8-229.8'



01/12/2009

01/08/2009

S2-710 Tunnel

17-565-P-TOP

23-B12

C39 - 170.8' - 175.8'

- Run 20

~~C40 -~~

- ~~Run 20~~



170.8'
Run 20
175.8'

175.8'

SR-710 Tunnel

Z3-B12

17-565-P-TOP

C17

80'-82.5'

- RUN 1

C18

82.5' - ~~85'~~
85'

- RUN 2

80.0'
RUN 1
80-82.5'

82.5'
85'

01/09/2009

SR-710 Tunnel

Z3-B12

17-565-P-TOP

C 18 85' - 87.5' - RUN 2

C 19 87.5' - 90' - RUN 3

85.0'

87.5'

87.5'

01/09/2009



SR-710 Tunnel Technical Study

Boring Z3-B12

Box=90'-94'

7 4:21 PM

SR-710
E3 B12

17-565-P-TOP

94-99' — Run 4
Run 5

C19 94-96.5 Run 4

C20 96.5-99' Run 5

96.5

96.5

7 4:22 PM

SR-710 Tunnel Z3-B12

17-565-P-TOP

C21 104-106.5' - Run 6

C22 106.5'-109 - Run 7

106.5'

106.5'

01/08/2009

SR-710 Tunnel

17-565-P-TOP

23-B12

C22 109 - 111.5 - Run 7

C23 111.5 - 114 - Run 8



511



111.5

01/08/2009

SR-710 Tunnel Z3-F12
17-565-P-TOP

C23 ~~114~~ 114 - 116.5' - Run 8
C24 116.5 - 119 - Run 9

116.5

01/08/2009

SR-710 Tunnel

17-565-P-TOP

Z3-B12

C25 - ~~120~~¹¹⁹ - 120.5'

- RUN 9

C26 - 120.5' - 124.1

- RUN 10

120.5'

01/08/2009

SR-710 Tunnel

17-565-P-TOP

Z3 - B12 C26

C27

- 124.1 - 125.5 - Run 10

- 125.5' - 128.8 - Run 11

125.5'

01/08/2009

SR-710 Tunnel

17-565-P-TOP

~~Z3~~ - B12

C26

C27

- 124.1 - 125.5 - Run 10

- 125.5' - 128.8' - Run 11

125.5'

01/08/2009

SR-710 Tunnel

17-565-P-TOP

Z3-B12

C27 - 128.8 - 130.8 - Run 11

C28 - 130.8 - ~~131.5~~
133.6 - Run 12



01/08/2009

SR-710 Tunnel

17-565-P-TOP

Z3-B12

C 28 ~~133.6~~ - 136.3 - Run 12
C 29 131.3 - ~~139.6~~ - Run 13



01/08/2009

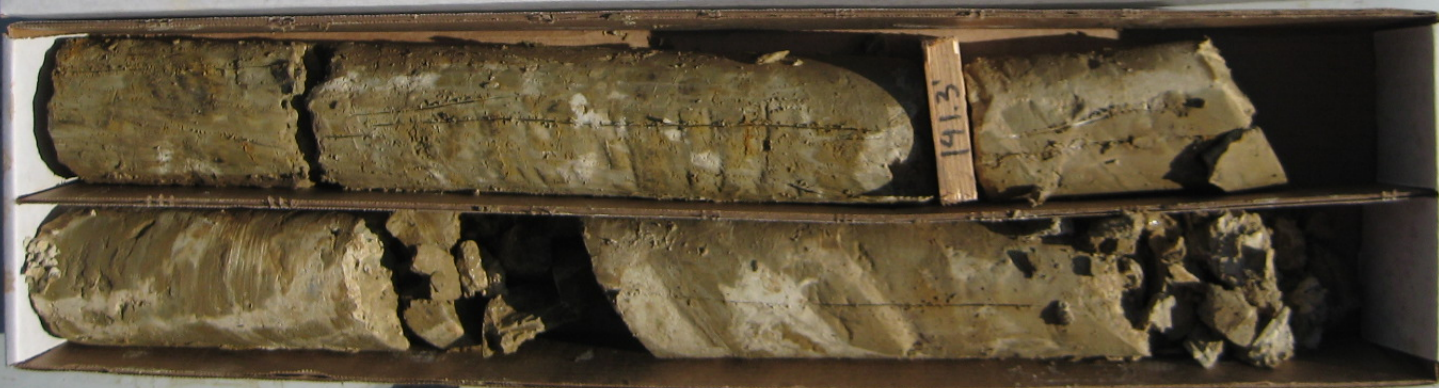
SF-710 Tunnel

17-565-P-TOP

Z3-B12

C 29 - ^{139.6} ~~139.6~~ - 141.3 - Run 13

C 30 - 141.3 - 144.3 - Run 14



01/08/2009

SR-710 Tunnel

17-565-P-TOP

23 - B12

C30 - 144.3 - 146.3 - Run 14

C31 - 146.3 - 149.1 - Run 15



146.3

01/08/2009

SR-710 Tunnel
17-565-P-TOP

Z3-B12

C31 - ~~149.1~~ 149.1 - 151.3' Run 15

C32 - 151.3' - 154.1 Run 16

151.3
Run 16

01/08/2009

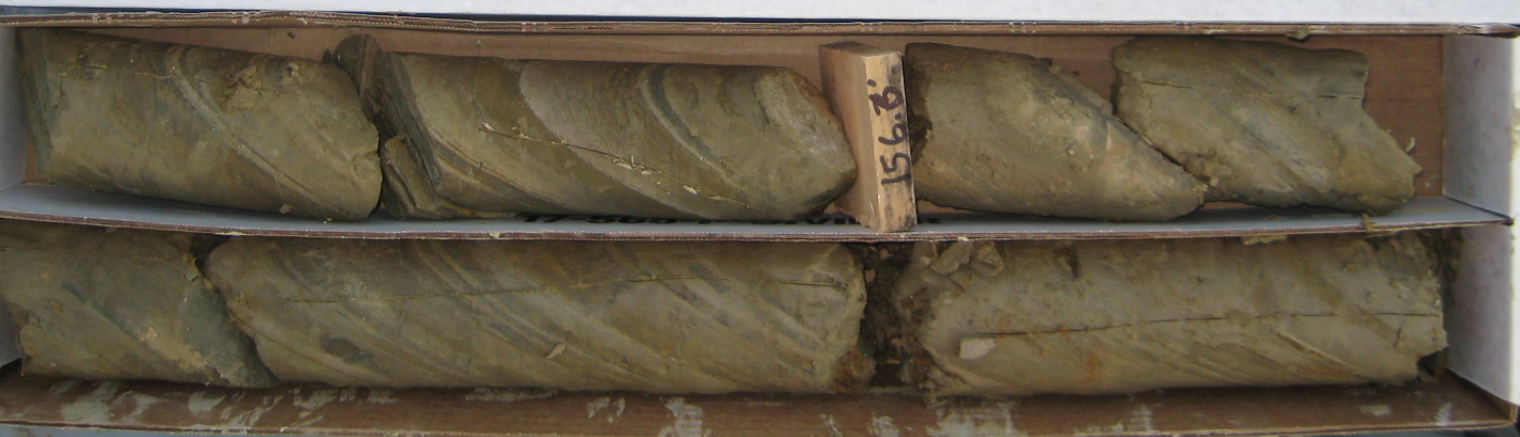
SR 710 TUNNEL

17-565-P-TOP

23-B12

C-33 = 154.1 - 156.3'

C-34 = 156.3 - 158.8'



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SR-710 TUNNEL



17-565-P-TOP

Z3-B12

C-35 = 158.8 - 161.3'

C-36 = 161.3' - 164.3'

161.3'

01/08/2009

SR-710 TUNNEL

17-565-P-TOP

Z3-B12

C37 = 164.3' - 165.5'
C38 = 165.5' - 170.8'

164.3'

165.5'

167.5'
R-19
167.5'

170.8'

01/08/2009

SR-710 Tunnel

17-565-P-TOP

Z3-B12

C40

175.8 - 180.8 - Run 21

175.8

Run 21

175.8

180.8'

01/08/2009

SR-710 Tunnel
17-565-P-TOP

Z3-B12 C

-180.8 - 185.8 - Run 22

185.8 - 188.3 - Run 23

180.8
RUN 22
180.8

185.8
RUN 23
185.8

188.3

01/09/2009

SR-710 Tunnel
17-565-P-TOP

Z3-B12

C40 - 188.3 - ~~190.8~~ ^{190.8} - Run 23
C41 - 190.8 - 193.9 - Run 24
C42 - 193.9 - 194.8 - Run 25



01/09/2009

SR-710 Tunnel
17-565-P-TOP

Z3 - B12

C42 - 194.8 - 195.8 - Run 25
C43 - 195.8 - 199.4 - Run 26
C44 - 199.4 - 200.4 - Run 27

194.8

195.8

199.4

200.4

01/09/2009

SR 710 Tunnel

17-565-P-TOP

Z3-B12

~~C45~~ - 200.4 - 203.9 - Run 27
C45 - 200.4 - 203.9 - Run 27

200.4

17-565-P-DIVIDER

203.9

01/09/2009

CH2M SR-710 Tunnel
17-565-P-TOP

23-B12

C45 - 203.9 - 208.9 - Run 23

01/09/2009



SR-710 Tunnel
17-565-P-TOP

23-B12 C46 - 208.9 - 213.2 - Run 29

208.9
Run 29

213.2

01/09/2009

SR -710 Tunnel

17-565-P-TOP

23-B12

C46 - 213.2 - 213.9 - Run 29

C47 - 213.9 - 218.9 - Run 30

23-B12

213.9'

17-565-P-DIVIDER

218.9'

01/09/2009