

Will Stuart
Construction Manager
8315 Century Park Court, CP21G
San Diego, California 92123

858-761-5441 Cell
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June 20, 2006

Craig Carty
ARB, Inc.
3990 Old Town Ave., #303
San Diego, CA 92110

**Re: Otay Metro Powerloop – CPM Schedule
Contract No. 5900009382**

Dear Craig:

In accordance with our agreement SSA 5900009382, Section 2, **Construction Schedule**, Paragraph 2.1, we provide the following review for your immediate action:

- 1) A negative float/late start analysis of the critical path indicates the overall project is ten (10) days behind schedule.
- 2) Indicated milestone dates as required by Schedule D, Construction Schedule:
 - a) Segment 3 – 63 days behind schedule
 - b) Segment 5 – 22 days behind schedule
 - c) Completion of all underground work and testing May 1, 2007 is not indicated as major milestone date.
- 3) **Incorrect durations:**
 - a) HDD activities
 - b) Jack and bore activities
 - c) bridge work/attachments activities
- 4) **Missing Relationships**
 - a) **Cable Pulling** – The schedule does not have any links between cable pulling activities which means that you expect unlimited cable pulling resources.
 - b) **Cable Splicing** – there will only be 5 splicing crews from Silec. So, there should be links between the splicing activities to account for this constraint.

5) Activities Starting on data date (6/13/06)

- c) 5S03025 – SEG 5 SECT 3 - BORE PIT #1 Anna Ave - EXCAVATE, SHORE PIT & BORE – 6/13 to 7/11
- d) 5S10036 – SEG 5 Sect 10 - Open Cut at Washington – 6/13 to 6/26
- e) 3S00020 – SEG 3 MOBILIZATION – 6/13 to 6/26
- f) 5S00050 – SEG 5 ELECTRICAL COMPLETION – 6/13/06

6) Cable Deliveries

- g) **Silec03** – delivered 6/12/06, but schedule shows 6/13 to 7/14
- h) **Silec04** – already on ship and scheduled to be in San Diego 7/18, but schedule shows 6/13 to 7/25

7) 5 trench activities not yet assigned to a trench crew (sdCrew)

- i) 3S01005 – SEG 3 Sect 0 - SAWCUT, ESEG 3 XCAVATE, LAY & BACKFILL
- j) 5S04020 – SEG 5 SECT 4 - SAWCUT, EXCAVATE, LAY & BACKFILL (N end Pacific Bridge)
- k) 5S04027 – SEG 5 SECT 4 - SAWCUT, EXCAVATE, LAY & BACKFILL (S end Pacific Bridge)
- l) 5S21020 – SEG 5 SECT 21 - SAWCUT, EXCAVATE, LAY & BACKFILL (N side Harbor DR Bridge)
- m) 5S21027 – SEG 5 SECT 21 - SAWCUT, EXCAVATE, LAY & BACKFILL (S side Harbor DR Bridge)

8) Vault Sequence

- n) For Segment 5, the schedule shows a sequence of 16, 17, 18, 26, 25, ...
 - i) 17 was stopped
 - ii) 18 was skipped
 - iii) 26 has started and is to be set 6/16, but the schedule shows 6/21

9) Segment 3

- o) 3S01010 – SEG 3 Sect 1 - DIG, ESEG 3 XCAVATE, INSTALL VAULT starts 7/19(?)
- p) 3S01020 – SEG 3 Sect 1 - SAWCUT, ESEG 3 XCAVATE, LAY & BACKFILL starts 8/1(?)

10) Negative Float

Activity ID	Activity Name	Total Float	Late Finish
3S00020	Seg 3 MOBILIZATION	-69d	03/20/06
3S01005	SEG 3 Sect 0 - SAWCUT, ESEG 3 XCAVATE, LAY & BACKFILL	-69d	04/10/06
3S01010	SEG 3 Sect 1 - DIG, ESEG 3 XCAVATE, INSTALL VAULT	-69d	04/21/06
3S01020	SEG 3 Sect 1 - SAWCUT, ESEG 3 XCAVATE, LAY & BACKFILL	-69d	05/12/06
3S02020	SEG 3 Sect 2 - SAWCUT, ESEG 3 XCAVATE, LAY & BACKFILL	-69d	06/05/06
3S03020	SEG 3 Sect 3 - SAWCUT, ESEG 3 XCAVATE, LAY & BACKFILL	-69d	06/26/06
3S04020	SEG 3 Sect 4 - SAWCUT, ESEG 3 XCAVATE, LAY & BACKFILL	-69d	07/18/06
3S05020	SEG 3 Sect 5 - SAWCUT, ESEG 3 XCAVATE, LAY & BACKFILL (Goodrich)	-69d	08/08/06
3S06020	SEG 3 Sect 6 - SAWCUT, ESEG 3 XCAVATE, LAY & BACKFILL (Goodrich)	-69d	08/29/06
3S07020	SEG 3 Sect 7 - SAWCUT, ESEG 3 XCAVATE, LAY & BACKFILL	-69d	09/20/06
3S08020	SEG 3 Sect 8 - SAWCUT, ESEG 3 XCAVATE, LAY & BACKFILL	-69d	10/11/06
3S09020	SEG 3 Sect 9 - SAWCUT, ESEG 3 XCAVATE, LAY & BACKFILL	-69d	11/01/06
3S09030	SEG 3 Sect 9 - REPAVE	-69d	11/30/06
3S02010	SEG 3 Sect 2 - DIG, ESEG 3 XCAVATE, INSTALL VAULT	-63d	05/12/06
3S08030	SEG 3 Sect 8 - REPAVE	-59d	11/21/06
3S03010	SEG 3 Sect 3 - DIG, ESEG 3 XCAVATE, INSTALL VAULT	-57d	06/05/06
3S00030	Seg 3 START CONSTRUCTION	-54d	
3S04010	SEG 3 Sect 4 - DIG, ESEG 3 XCAVATE, INSTALL VAULT	-51d	06/26/06
3S61010	Seg 3 BORE PIT #1 - ESEG 3 XCAVATE, SHORE PIT & BORE	-50d	05/12/06
3S05010	SEG 3 Sect 5 - DIG, ESEG 3 XCAVATE, INSTALL VAULT (Goodrich)	-45d	07/18/06
3S07030	SEG 3 Sect 7 - REPAVE	-44d	11/21/06
3S61020	SEG 3 BORE PIT #2 - ESEG 3 XCAVATE, SHORE PIT & BORE	-40d	06/26/06
3S06010	SEG 3 Sect 6 - DIG, ESEG 3 XCAVATE, INSTALL VAULT (Goodrich)	-39d	08/08/06
3S07010	SEG 3 Sect 7 - DIG, ESEG 3 XCAVATE, INSTALL VAULT	-33d	08/29/06
3S06030	SEG 3 Sect 6 - REPAVE	-29d	11/21/06
3S08010	SEG 3 Sect 8 - DIG, ESEG 3 XCAVATE, INSTALL VAULT	-27d	09/20/06
5S03025	SEG 5 SECT 3 - BORE PIT #1 Anna Ave - EXCAVATE, SHORE PIT & BORE	-22d	06/08/06
5S03020	SEG 5 SECT 3 - SAWCUT, EXCAVATE, LAY & BACKFILL	-22d	07/06/06
5S25020	SEG 5 SECT 25 - SAWCUT, EXCAVATE, LAY & BACKFILL	-22d	08/02/06
5S26020	SEG 5 SECT 26 - SAWCUT, EXCAVATE, LAY & BACKFILL	-22d	08/15/06
5S26030	SEG 5 SECT 26 - REPAVE	-22d	09/01/06
3S09010	SEG 3 Sect 9 - DIG, ESEG 3 XCAVATE, INSTALL VAULT (?)	-21d	10/11/06
3S61030	SEG 3 BORE PIT #3 - ESEG 3 XCAVATE, SHORE PIT & BORE	-15d	08/29/06
3S05030	SEG 3 Sect 5 - REPAVE	-14d	11/21/06
5S00060	PROJECT COMPLETION - JULY 7, 2007	-10d	07/07/07

The contract status of the CPM schedule does not allow for any time extensions and no requests by ARB, Inc. have been reviewed for acceptance as warranted by critical path management.

As required by Paragraph 2.4.1, SDG&E requests ARB, Inc. to revise the construction schedule to accurately comply with major mile stone dates at no additional cost to the company.

Please forward your updated CPM schedule with your next monthly progress payment application for review and acceptance.

Regards,

Will Stuart
Construction Manger
Attachments



OTAY-METRO POWERLOOP

Will Stuart
Construction Manager
8315 Century Park Court, CP21G
San Diego, California 92123

858-761-5441 Cell
619-295-2754 Office

April 21, 2006

Tim Burks
ARB, Inc.
3990 Old Town Ave., #303
San Diego, CA 92110

**Re: Otay Metro Powerloop – CPM Schedule Review
Contract No. 5900009362**

Dear Mr. Burks:

Attached herewith is our monthly CPM Review for the period of March 16, 2006 through April 13, 2006. In accordance with our agreement (2. Construction Schedule), please provide your CPM schedule update for review with your next monthly invoice. Please contact the undersigned if you require any assistance and I appreciate your cooperation regarding this matter.

Regards,

Will Stuart
Construction Manger

WS:de

Attachment