

MAY 19/15

- End June target to be in position to award.
- Friday target, have plan to get to end June.
- Business risk analysis.
- Everything is open
- O'Connell + ~~Boyd~~ / Penneyco + Dregodex
- Tony Scott.

John Mulcahy

Date
June

RIVER CLOSURE → 2016

Gates complete

Original Mob'in - Spring 2015

- Sept/Oct 2015

Complete RCC End 2017

End June - Mix design must start

- Bridge in place May 2016

RCC complete end 2017

- Bridge credit.

- What is our exposure on no
labour cap

Bernard letters.

- Where is \$4m labor travel? (IN)

- How do you get \$302m

- O/D proposed \$US - CAN @ .9. Bernard?

• 90% fuel O/D

Ed Over

Actions

* Milestone Schedule

* Mix design

* Articles are almost complete.

* Validate milestone payment schedule

* Est. Work Rates.

Date

- * Tech Spec updates
- * Validate changes.
- * ~~Rec meeting~~
- * Upfront Payment to start (option) ^{Bridge} + mix
- * Evaluation Plan (Ex Plan + Team)
- * Get new Team

- Who is responsible for the mix

Read A17

Cost Savings - tech specs too gold plated
Need Tech meeting with contractors

- Evaluation Plan - what was done.
- Star rate provision?

Bornard A17

- No cap on Direct Labor + travel costs
- Consequential damages
- 3.9, 3.16 Impact from other Contractors
- Mechanics Lien / hold back.
- One year warranty
- 100 year storm - still the core?
- Unit rate changes if qty changes ^{material} change?
- Lost Power -- is compensation limited? ^{fuel only}
- How is HST handled?
- No Jet Grouting CI
- QA/QC testing provided by Company?

- Work up on Reimbursable Work. "Significant changes" - how is this clarified? # value?
- 10 day turnaround required by Contractor
- No dewatering in Tailrace Channel
- Excludes a source B for cement + flyash.
- 4 weather days / month (working)

O'Connell

- LDC, warranty, bonding, guarantees
- CAR deductible
- No LD's.
- ~~Comp~~ Schedule delays by Company.
- Who owns float? Is this significant?
- Supply of Permits
- Being damages
- Acceptance of Site by Contractor (before mobil)
- Winter damages!! Design properly.
- More # for Shadow Workers
- Adjustment of # & schedule for changes to quantities!!
- More # for Apprentices
- Suspension + Termination Rights
"suspend work immediately if not paid"
- "Schedule Relief" should be clarified.
- Subcontractor - Agreement Form + Replacement
Was there test of Subs??
- Liability limit

Date

- Payment of Invoices
- Holdback - Mech. Lien Act.
- Payment for Temp Works 2.4
- Payments made to maintain cash neutral
 - \$.90 US = # CAN impact ??
 - Cement / Flyash rates - Bernard ??
 - Uplift on labor + Mat'l on Reimbursable Work
 - 12-30% + 15% profit
 - 5-15% for Mat'l + Third Parties
- Aggregate mat'l stockpiled in 2015 + "paid" is this accepted?
- Medicals + Drug Testing no \$
- Company responsible for provision of documents in timely manner.
Is there a submission schedule?
- Company supplied power - no generators in bid!! Extra if ^{NO} power
- Relocate poles + cables on Tailrace Rock Pile
- Speed limit reductions on access roads
- Escorts for deliveries
- Set up location for crushing/scraping
- Up stream Temp bridge transport within Project site only.
- Verticality of face of Remaining RCC Scarborough after demolition
- Vehicle Wash Stations - None
- Boulders found in jet grouting operat.
- Aggregate Quality + Quantity - access to base ??

6

Date

- Compactable Material availability.
- Borrow pit development.
- Material availability
- Aggregate Production !!??
- Blasting - electronic detonators.
- Fdn cleaning / Sealed concrete - approved?
- levelling concrete measured / paid as sealed
- 10% - 90% split on man / machine rock excavation
Time & Material if different than 10%.
- Contact grouting not included ??
do we have rates?
- RCC Formwork Costs incl in RCC
- RCC worm joints ??
- Ammonia disposal (nothing special)
- On-site laboratory.

Date

7
 May 21 Briefing on CH0009

Pat, John M., Scott O'B, Ed Over, Ken,

Target is end June, all documents ready.

Todd Smith
 - Schedule
 - Mix

Telecon with Mark Turpin May 22

- Maintain mix design resp'y.
 all experts recommend same approach.
 No cost adders

- * - B-2 work-up of RCC spec. Need further tech discussion with both bidders. + our expert. We have enough information to make decision
 - Measurement for zone mat'l by tons was agreed with Bidders. We will propose alternative from John.
 - "Waste" no issue -
 - Dental Concrete - ??
 - Jet Grouting time extra ??
 - B-2 fuel interruption
 - Craypod - ?? remove?
 - Bubble curtain - B-2 states?
- Tech need?

Date

8

- Intention was to make decision with one bidder, then work with them.
- Use of Transmission Line ROW - this is off the table.
- Verticality - not an issue.
- RCC framework - no issue.

Date May 25

Teleson Scott / Ed / John / Ken

Meeting

May 26.

Greg / Todd / John / Ken.
Smith

Mark-up

Bernard - Red Line MU, letter,

B-3 - Clarification log, Execution
Plan for alternative.

1. Zone 3C - Selection or Process?
Greg confirms that either method is acceptable.
2. Contractor laydown Areas -
Area B, J, A, G.
3. Document turnaround remains 21 days
4. They will review CV's of tech staff.
5. Must use bubble certifier.

SIN
MFZ

Exhibit 12 Date

6. Fuel Supply - 3-1-9. No.

7. Facing Concrete acceptable for VP stream face of Dam
685 / upstream

May 27.

Questions

Ed - Do you have list of elements which are required for final Agreement and their status? ie Exhibit B (Scales, Mfgs, Suppliers) Are you taking the resp'y to put this together? Exhibits 1-14? Who is resp'?

	O'Connell			
O'Connell	-	Len + Nolan + Strickland		Dragados?
		Knop		?
		VP D.C.	VP B.D.	?

Date May 27.

TO DO

- Capture/consolidate all Appendix 17 notes
- Get updates to Env/QA/H+S and send to bidders for impacts (Documents)
- ~~Send out Agreement Items Checklist~~
- ~~Add notes for B3 on MSDS (ammonia)~~
- Get updates from Tom on ~~WAP/WH + investigation~~
- " " " " Job re dewatering capacity
- " " " " re Org'n + CV
- Another go at Labor Cap.
- Send CV's of key staff to QA/RISK/H+S/Environ

NC

Schedule Meeting.

Date May 28.

June 30/15

Contract Award

NC 30 Nov/17

Substantial Completion

Jul 15/16 I

Spillway Ready for River Diversion

Jul 31/16 M

Removal of Cofferdams 1/2

Oct 31/16

Completion of Upstream + Downstream Cofferdams

I

Transition Dam Completed

At Award

South Dam area available for ^{limited} Access

31 Oct/17 M

~~Removal of Bridge~~ Ready to Impound

I

Intake complete

Plan

Send Milestone list to Tony.

~~Completed~~

I

Rock Plug Removal Start

M

" " " Complete.

1+2+3 Scott + Kew

Date

Jim Brennan

Acceptability of Alternate
Cash Flow, cost + schedule impacts

June 1

Telecon with Bidder # 2

Ed Over, John M, S.O.B., Ken

1. - Milestone Dates March 1 / → July 15 / 11
2. - River Closure - Risk evaluation,
build in flexibility.
Larry Moser.
3. - RCC design mix - They take the
lead we play support role.
- can suggest formula for future
adjustment in concrete design
4. - Team availability.
5. - list of comments + clarifications
on their expectations.
- Agreement on design changes.

Date

8:30 meeting with Tony / ~~Ed~~ Scott / John.

June 2/15.

Technical Meeting

- B-2
1. BPJV letter May 6/15
 2. Todd's Comment Sheet.
 3. Red-line Mark-Up.

- \$1.2 m savings in X Section of downstream CD.
- Battered face of RCC is acceptable in principle
This will also result in a \$2m savings
of flip bucket.

B-3

Meeting - Scott, John

1.35 total when incl subs.

885

Date

Evaluation Criteria

- Equipment rates / Extra Work.^{etc.}
- Cost
- Team

Bid Price

23

- Exceptions
- Adjustments
- Allowance
- ETC.

✓ look at subcontractors

- John to provide quantities of flyash + cement. then Ed will get pricing from suppliers. The pricing will then be given to contractors any variation over time will be paid / received from Nalcor.

Date

Clyde McLean - hydraulic specialist

June 4.

Technical Meeting with Scott/John/Greg.

- Ken to request B-3 for sketch of concrete support for bridge.
- See notes (action items) from pic of the board.

Telecon's.

* Flexibility discussion

B-2 ① Option for mobil of jet grouting equipment just in time

Road to AC1 ② Option for road using new spec. 2km upper access road

③ Updated pricing for change in permanent road spec.

④ Remove Class B+C materials

⑤ Option for drilling & blasting at Quarry 5 for up to 50,000 m³ rockfill
"Laydown area A"

⑥ Reduction in size of Upstream Cofferdam
- Best way to communicate exchange

Cement/Flyash, adjustment
Price