

Deh Cho Bridge Project Moving Forward



Department of
Transportation
March 2010

Summary of Presentation

Purpose/Aim:

Provide an update on the status of the Deh Cho Bridge project to include:

- Progress to date
- General Contractor Status
- Project Budget & Schedule
- Project Management Update



Phase 1 Status

- Construction on the four south piers completed in April 09. Construction of the four north piers ongoing. Estimated complete by March 2010.



Design and Revisions

- Conceptual approval of initial design was subject to extensive testing
- Testing showed the original design did not meet Bridge Code, leading to redesign of superstructure components.
- Infinity Engineering completed the redesign, and is now the Designer of Record
- Final design, which has now been approved, is more conventional, easier to construct, with components that are less costly.



General Contractor Status

- Atcon Construction has completed its Phase 1 work, and will not be part of Phase 2. It is currently in receivership.
- A contract has been successfully negotiated with Ruskin Construction for the completion of the bridge
- The Ruskin contract also addressed outstanding claims and litigation issues.
- The November 2011 completion date target is therefore achievable, and risks associated with the project have been greatly reduced.



Project Budget (current projections)

Major Activity	Estimated Costs (\$M)	Remarks
Development Costs	9.9	Completed prior to 2008
Construction Costs		
Phase 1 Piers	63	Atcon/Ruskin construction, include claims and termination
Phase 2 Superstructure	68.1	Projected cost
Miscellaneous	2.2	Minor works not included above
Claims (Phase 1)	7.6	Legal Claims
Total	150.8	
Project Adm/Overhead/Fin	<u>27.4</u>	Engineer/DCBC/Insurance/DFO/IE/Lenders/Interest
Total Estimated Costs	178.2	
Budget Available	181.4	Plus potential recoveries
Projected Balance	3.2	Contingency

Details on Atcon termination costs TBD.

Construction Schedule

Jan 2010	Feb 2010	Mar 2010	Apr 2010	May 2010	Jun 2010
				Earthworks N	Earthworks S Tower repairs
				North Abutment construction Install north work trestle	
Shop Drawings, Erection Engineering Planning, and Ordering of Materials					Material Supply
Jul 2010	Aug 2010	Sep 2010	Oct 2010	Nov 2010	Dec 2010
S abutment construction, Tower repairs	North pylon erection			Deck panel installation phase 1	
Temporary supports north				Remove north work trestle Install south work trestle	
Material supply (continued)					
Jan 2011	Feb 2011	Mar 2011	Apr 2011	May 2011	Jun 2011
	South pylon erection			Deck panel installation phase 2	
Temporary supports south					Assemble & erect midspan
Material supply (continued)					
Jul 2011	Aug 2011	Sep 2011	Oct 2011	Nov 2011	Dec 2011
	Grouting	Curing	Demobilization		
Final deck panel placement	Jacking / tensioning / bearings	Paving / services		OPENING	
Railing					

Project Management

- The Department of Transportation is now responsible for the management and control of the project, and has contracted Associated Engineering for day-to-day project control
- Project management will focus on best practices, transparency, and accountability
- The project management team is experienced and capable
- Public communications on the project will be based on a single window approach based in DOT

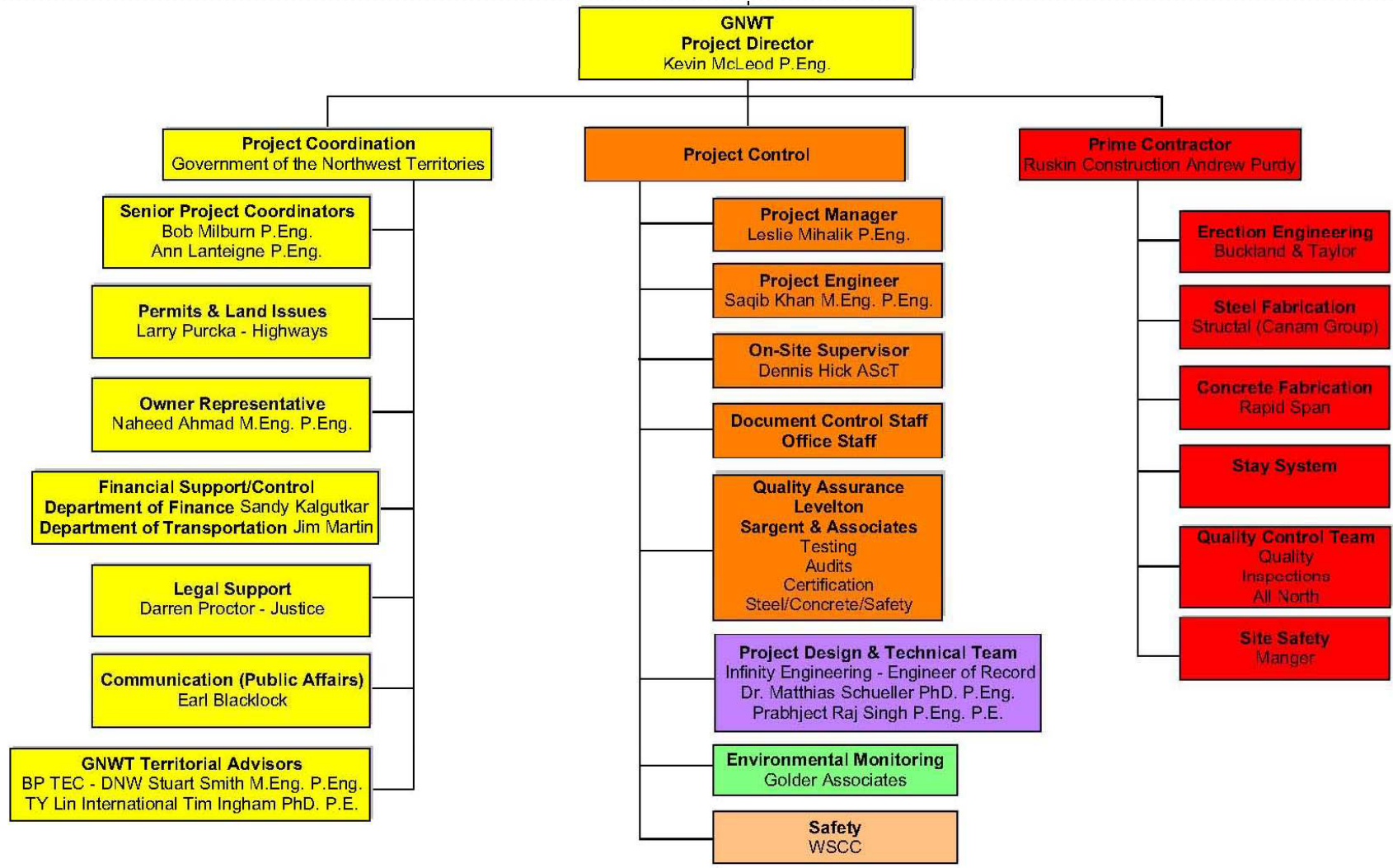




Project Management- Team

- Associated Engineering – Overall Project Control
- Levelton – Quality Assurance
- Infinity Engineering – Engineer of Record
- Ruskin Construction- General Contractor
- Buckland and Taylor – Erection Engineers
- Rapid Span- Concrete Deck
- Structal – Steel Truss
- BPTEC-DNW and TYLin International – GNWT TA

Project Construction Organization





Summary

- The challenges facing the Deh Cho Bridge project have been addressed, and we have an effective plan to move forward
- All parties are committed to ensuring a successful project. The GNWT is providing the necessary support to the project to ensure success
- Project nearing 50 percent complete with major in-river (high risk) works largely completed
- Phase 2 work is already underway with an achievable target date for completion of November 2011
- The Bridge will be a key piece of public infrastructure that will benefit residents for the next 75-100 years.

Questions?

