Northern Ontario First Nation Environment Conference

Road Building 101



Process and Approach



JUSTIFICATION

Community & Residential

IDENTIFY NEEDS

Commercial

Industrial

Current and Future Needs



Sustainability and Sensitive Design



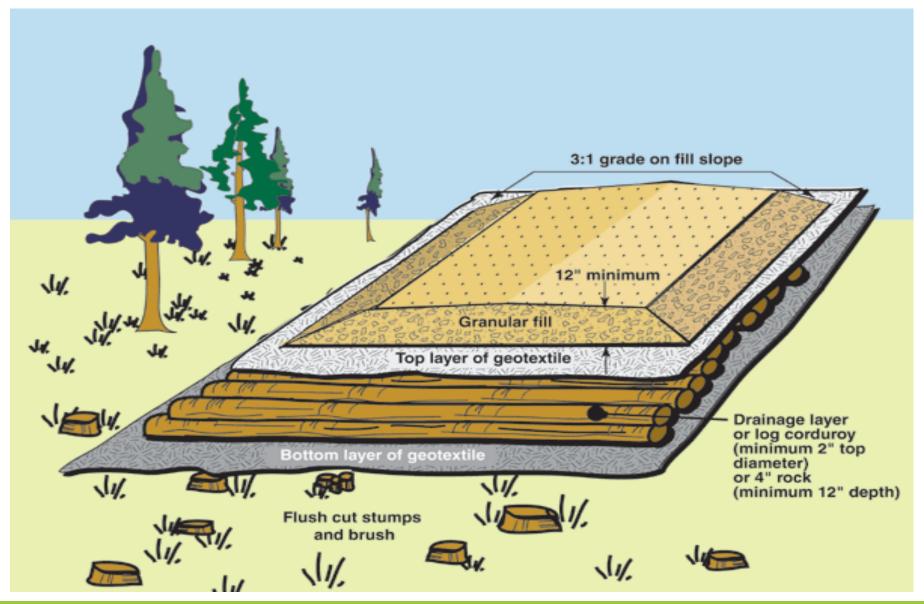
Route Planning



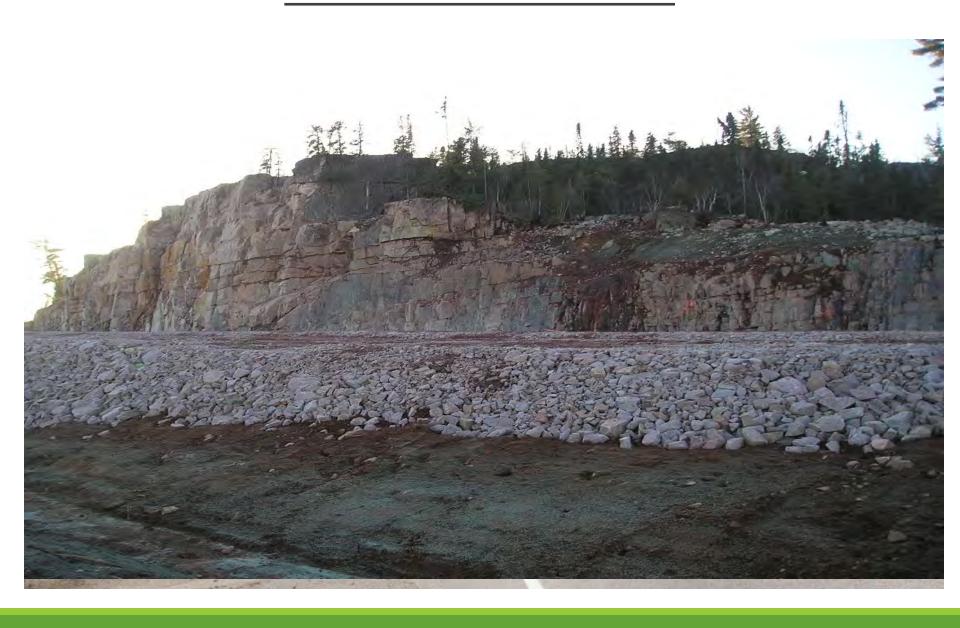
Lakes & Rivers



Swamp & Organic Terrain



Bedrock Terrain



Aggregates



Preliminary Design



Detail Design

Design Criteria

Topographical Survey

Environmental Studies

Geotechnical and Foundation Investigations

Drainage and Hydrology Analysis

Safety Analysis

Roadway Design and Contract Drawings

Technical Specifications

Construction

Contract Tendering

Find the Right Contractor for the Job

Quality Counts

Work Together

Accountability

Environmental Monitoring



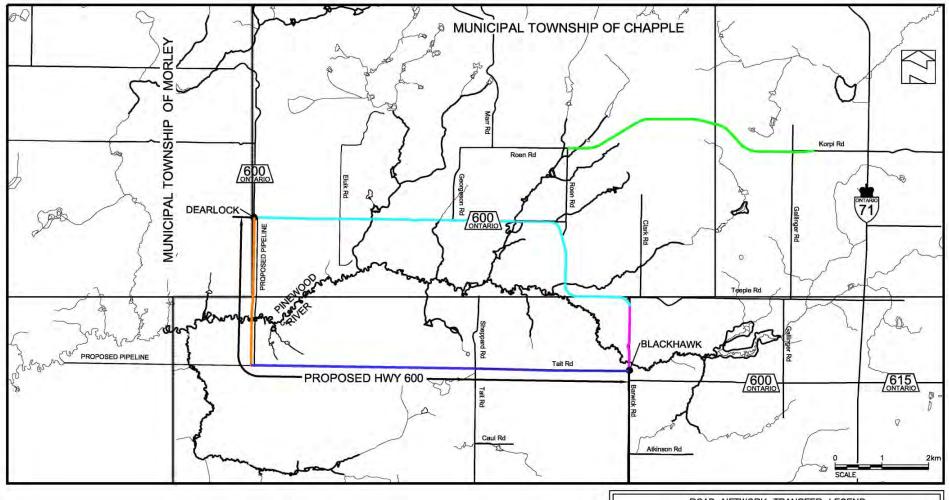
Maintenance



Sample Project – Hwy 600



New Gold – Hwy 600 Bypass

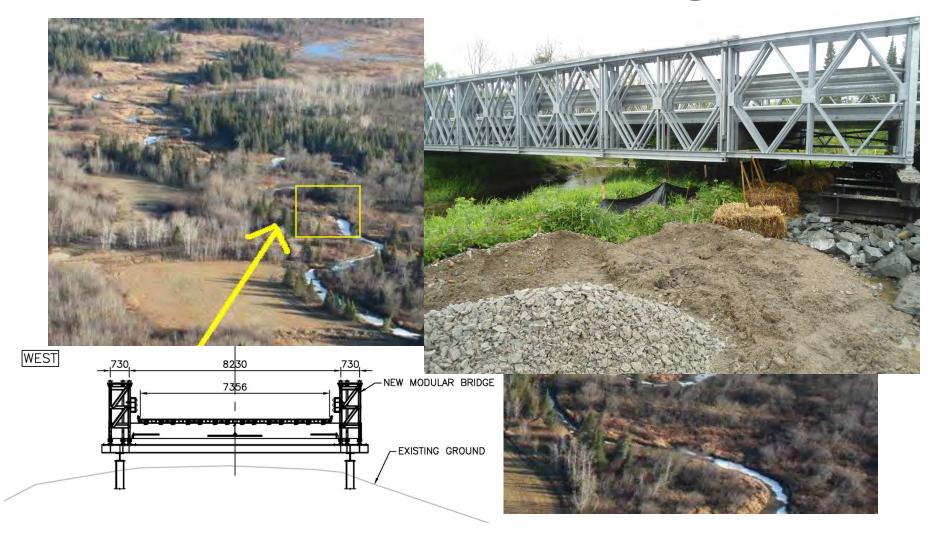


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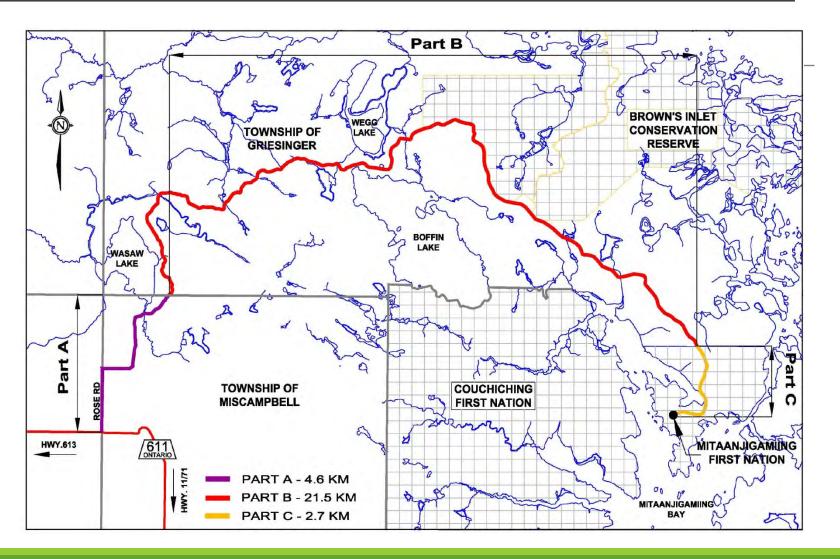
Typical Road Section



Pinewood River Crossing



Sample Project – MFN Access Rd



MFN Access Rd



Local Aggregate Supply



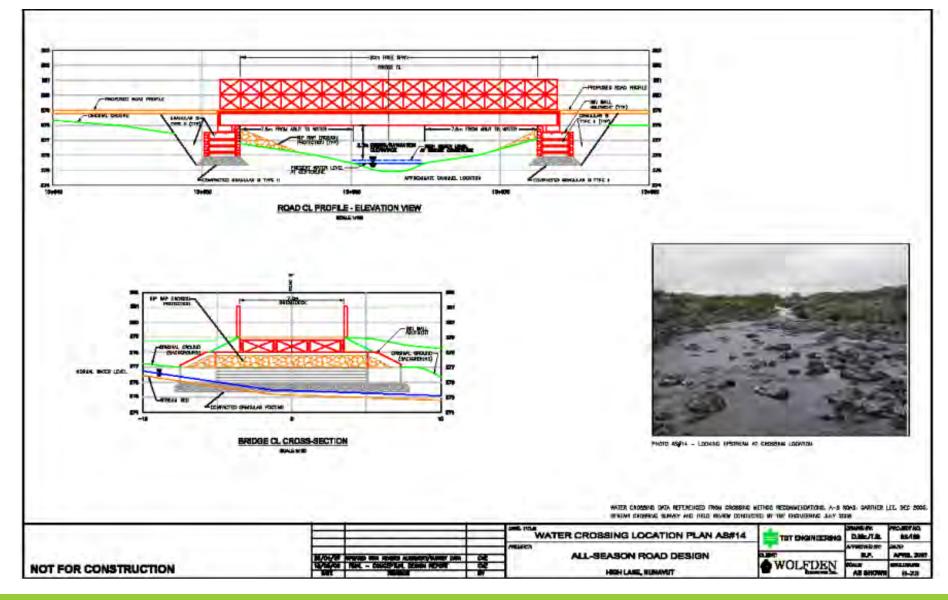
Sample Project - Nunavut



Nunavut – Route Planning Study



Preliminary Design - Nunavut



Questions?

