



TRANCELS-PULTRALL
CANADA INC.

V-ROD

FRP Composite Rebar Bridge Reports

MTO 2010-6043 MacKenzie River, ON



Project Highlights

- V-ROD® GFRP reinforcing used in new pre-cast decks panels on steel girders
- Carbon bar/Fibre-Lok system used in pre-stressing; first application tested with 2% crossfall
- Most of the deck bar in all structures was 40GPa #5 (16m) with some #3 (10m) while #6 (19m) used in the deck panels were the highest grade 60GPa bar
- Used mainly for long-term durability in structures

Twin bridge deck replacements, summer 2011

- Trancels-Pultrall supplied V-ROD® on two separate structures over the MacKenzie River in Thunder Bay region in northern Ontario
- Owner: Ministry of Transportation NW Region, ON
- Contractor: Teranorth/ Lafarge Precast/Harris Rebar
- Engineer: McCormick Rankin Corporation