

Mt. Nansen Mine Site Bridge Repair:

Photo Log of sub-structure implementation #2

October 2011

On October 7, 2012, Copcan returned to Nansen mine site to finish the bridge decking and make changes/adjustments as requested by AE. Work to be completed included:

1. Finish welding lateral pipes between girders
2. Attach girders to 8x8 as per specs
3. Attach far end of 8"x8" to lock blocks
4. Place 4"x12" rough cut fir running surface,
5. Raise rails
6. Complete road work including: reducing the corner on the approach, widen the far side and compact soil near bridge approaches.

- 1.) All 4 lateral pipes were touched up by the welder. 6X6 decking was removed, as necessary, to allow for access to tops of the pipes. (see next 2 pics)





2) Metal tags were welded to each side of each girder (12 tags total), lag bolts were drilled through the tags, into the 8x8's. (see next 3 pics)





3) The bottom most 8x8 was attached to the lock block on all 4 corners. The hole was filled with cocking. (Next 2 pics)



- 4) Rotten 6x6's were replaced on the deck before placing the 4x12 rough cut fir on the running surface of the deck. (Next 4 pics)





5.) Rails were replaced with new 6 x 6's. (Next 2 pics)



6.) Road work was completed including: approaches from both sides. Material was added to the far side to allow easier access on and off of the bridge, while the corner on the approach was reduced. Material was compacted on the bridge approaches using the excavator. (next 2 pics)

