

**MANITOBA METIS FEDERATION – MATRIX
SOLUTIONS INC. PARTNERSHIP**

INDIGENOUS CONSTRUCTION MONITORING

WEEKLY REPORT

SPREAD 8

NOVEMBER 26TH TO DECEMBER 1ST

1. PURPOSE OF THIS REPORT

The report is a weekly summary of the daily reports submitted by the Indigenous Construction Monitors that are working on spread eight. The social and cultural findings have been tabulated with locations and mitigation measures below. A summary of the construction activities has been summarized for the weeks of November 26th to December 1st, 2018.

Social and Cultural Features

Field Observation	# of occurrences	Description and Mitigation Measures	Mitigation Status	Further Action Required (Yes/No)
Traditional Use Area (hunting, fishing, gathering, trapping)	N/A			
Rock Formations (rocks of significance, tipi rings, etc.)	N/A			
Artifacts	N/A			
Bones	N/A			
Potential Gravesites	N/A			

Environmental Features

Field Observation	# of occurrences	Description and Mitigation Measures	Mitigation Status	Further Action Required (Yes/No)
Medicinal or Cultural Plants	N/A			
Aquatic Life	N/A			
Animal Observations or Burrows	N/A			
Bird Nests	N/A			
Trees (Red Willow)	N/A			
Wetlands	N/A			
Watercourse Crossing	N/A			

Additional Observations and Summary of Activities or Concerns

On November 26th, Slips, trips, falls, wide loads on the number 2 highway, spotter, tag lines, flaggers, congested work sites, wildlife, distracted driving, fatigue, farm equipment on roads, semis with long loads on grid roads, dress in layers, take micro breaks to warm up; high of minus 15, clear skies, good road conditions, windy which made it feel extra cool, fine clean and bleach when entering new R.M, or land owner requested wash; SF 28, west side, two excavators scrapping dirt on the ROW, smoothing it out SF 34, west side, one dozer back blading dirt on the approach, smoothing it out breaking up all the big rough chunks of frozen mud; SF 35, south side, four excavators backfilling the pipe, two rock trucks dumping dirt close to the trench so excavators can backfill, one dozer pushing dirt on the ROW, crews loading misc. items onto the back of a trailer, mainly pump hoses and some other things, cleaning up the sight slowly, boom semi-truck loading up light plants/generators onto the back of his trailer; SF 38, North side, excavator pulling approach back, operator moving frozen chunks of dirt to the side of the ROW, a dozer is pushing them away from the excavator so he has more room to work; SF 41, North side, one excavator pulling back the approach, dozer pushing rough dirt to the side of the ROW; SF 48, east side, one excavator pulling approach, spotter in place with an air horn in case the bucket gets too close to the gravel road.

On November 27th, slips, trips, falls, wide loads on the number 2 highway, spotter, tag lines, flaggers, congested work sites, wildlife, distracted driving, fatigue, farm equipment on roads, semis with long loads on grid roads, dress in layers; High of minus 12, cloudy, good road conditions, fine clean and bleach when entering new R.M, or land owner requested wash; SF 24, north side, one excavator pulling back approach, there is a spotter standing on the shoulder with an air horn to warn the operator if he gets too close to the road with his bucket; SF 27, west side, excavator pulling back approach, spotter is standing on the shoulder with an air horn to warn the operator if he gets too close to the road with his bucket; SF 28, west side, one excavator one each side of the creek building up the creek banks to how they were before construction began; SF 35, south side, one excavator lifting bags of limestone and moving them over to a small open pit where a worker is, the worker is then cutting the bags open and the limestone is slowly filling up the pit; SF 36, west side, one excavator pulling back the approach, one dozer assisting by pushing frozen chunks of mud off to the side of the ROW, the approach on the east side has already been pulled back; SF 39, west side, crews removing goal posts; SF 50, west side, one dozer removing the approach, back blading dirt onto the ROW.

On November 28th, slips, trips, falls, wide loads on the number 2 highway, spotter, tag lines, flaggers, congested work sites, wildlife, distracted driving, fatigue, farm equipment on roads, semis with long loads on grid roads, dress in layers, icy road conditions, reduced visibility when driving while snowing, take more time to stop on icy roads, defensive driving; High of minus 12, heavy snow, blowing snow on highway, very poor visibility; fine clean and bleach when entering new R.M, or land owner requested wash; SF 21, west side, one excavator pulling back approach, one dozer pushing away the

frozen chunks of dirt to the side of ROW; SF 22B, east side, wetlands crew and bore crew on sight preparing to pull pipe under road, side booms have pipe lowered into trench hanging onto it, crew members doing maintenance throughout the site, ROW conditions are very bad and the snow is blowing very strong; SF 25, west side, one excavator pulling back approach and one dozer pushing frozen dirt to the side of the ROW; SF 26, north side, one excavator pulling back approach and one dozer pushing frozen dirt to the side of the ROW.

On November 29th, Slips, trips, falls, wide loads on the number 2 highway, spotter, tag lines, flaggers, congested work sites, wildlife, distracted driving, fatigue, farm equipment on roads, semis with long loads on grid roads, dress in layers, icy road conditions, reduced visibility when driving while snowing, take more time to stop on icy roads, defensive driving; High of minus 6, small ice patches on the highway, some grid roads snow packed, overall fairly good driving conditions, fine clean and bleach when entering new R.M, or land owner requested wash; SF 20, west side, one excavator pulling back approach, pulling back geo-tech, removed the culvert and rig mats from the ditch, the operator then moved the big chunks of frozen dirt to the side where the dozer operator then pushed it all up into a pile, there is a spotter on sight assisting the operators; SF 22B, east side, wetlands crew and bore crew on sight, directional drill is set up on the east side of the creek and the drill bit is under the creek and the end of it is sticking out near the pipe that's being held by the side booms, two welding trucks are sitting off to the side of the ROW, crew members performing maintenance throughout the site, ROW conditions are snow packed.

On November 30th, slips, trips, falls, wide loads on the number 2 highway, spotter, tag lines, flaggers, congested work sites, wildlife, distracted driving, fatigue, farm equipment on roads, semis with long loads on grid roads, dress in layers, icy road conditions, reduced visibility when driving while snowing, take more time to stop on icy roads, defensive driving; High of minus 5, good road conditions, fine clean and bleach when entering new R.M, or land owner requested wash; SF 22B, east side, wetlands crew and bore crew on sight, the pipe has been pulled under the creek, hydrovacers on sight hydrovacating on the east side of the creek, crew members doing maintenance throughout the site; SF 35, north side, one excavator, one dozer and two rock trucks pushing dirt back on the ROW, the rock trucks are hauling dirt from the bottom of SF 35 to the top where they are dumping the dirt for the dozer and excavator to push; SF 41A, east side, one excavator pulled the approach and is loading silk fence into the back of a tandem; SF 43, north side, crews taking down goal posts and signs; SF 47, east side, excavator finishing up pulling approach, two excavators crossed from the east side to the west side, there were no flaggers in place to hold traffic, just lots of crew members on the road; SF 47, west side, one excavator pulling approach, one dozer pushing that dirt off the approach onto the ROW.

On December 1st, slips, trips, falls, wide loads on the number 2 highway, spotter, tag lines, flaggers, congested work sites, wildlife, distracted driving, fatigue, farm equipment on roads, semis with long loads on grid roads, dress in layers, icy road conditions, reduced visibility when driving while snowing, take more time to stop on icy roads,

defensive driving, traction aids; High of minus 4, very thick fog, reduced visibility, fine clean and bleach when entering new R.M, or land owner requested wash; Monitored construction at SF 22B; SF 22B, east side, multiple crews all working together at this site, lowering in crew on sight lowering in pipe underneath the cross members used to support the sheet metal piles, coating crew on sight coating the pipe, another crew ran the jeeper down the pipe to test for any defects on the pipe before lowering in, ladders are tied off securely in the trench, there is also a pig pen set up to collect all the water that is pumped out of the trench.

Photos of Sites Visited & Topics Discussed This Week

November 26, 2018



Description & Location:

SF 35, photo facing south, crews backfilling the pipe.



Description & Location:

SF 35, photo facing north west, boom semi loading up light plants.



Description & Location:

SF 38, photo facing north west, excavator pulling back approach.



Description & Location:

Just north of SF 33, SA stop sign lying on the road, I moved it off the road and set it off to the side besides the yield sign.

November 27, 2018



Description & Location:

SF 24, photo facing north east, excavator pulling back approach.



Description & Location:

SF 28, photo facing west, two excavators building up creek banks.



Description & Location:

SF 35, photo facing south east, excavator dumping limestone into open pit.



Description & Location:

SF 36, photo facing north west, excavator pulling back approach.

November 28, 2018



Description & Location:

SF 22B, photo facing east, crews lowering in.



Description & Location:

SF 22B, photo facing west, crews lowering in.



Description & Location:

SF 25, photo facing east, one excavator pulling back approach, one dozer pushing frozen chunks of mud to the side of the ROW.



Description & Location:

SF 26, photo facing north, one excavator pulling back approach, one dozer pushing frozen chunks of mud to the side of the ROW.

November 29, 2018



Description & Location:

SF 20, photo facing west, crews pulling back approach.



Description & Location:

SF 35, photo facing east, crews have pipe in the trench preparing to tie in. Directional drill come up from the ground.



SF 35, photo facing east, directional drill has drill underneath the road.

November 30, 2018



Description & Location:

SF 22B, photo facing east, crew pulled pipe under the creek, hydrovaccers hydrovaccing.



Description & Location:

SF 22B, photo facing east, excavator filling dirt in the trench in one spot.



Description & Location:

SF 41A, photo facing east, excavator pulled approach and is loading silk fence into the back of a tandem.



Description & Location:

SF 47, photo facing west, dozer pushing dirt from approach back onto the ROW.



Description & Location:

SF 47, photo facing west, excavator pulling back approach.



Description & Location:

SF 47, photo facing east, excavator finishing up removing approach, culvert being crunched up, he then pulled the metal posts from the ground.

December 1, 2018



Description & Location:

SF 22B, photo facing east, one crew member heating the weld on the pipe.



Description & Location:

SF 22B, photo facing east across the creek, multiple excavators and dozers moving stones.



Description & Location:

SF 22B, photo facing south east, coating crews applying the coating to the pipe.



Description & Location:

SF 22B, photo facing east, lowering in crew lowering in a section of pipe underneath the cross beams used to support the sheet metal piles.



SF 22B, photo facing north from the east side of the gravel road, pig pen set up to collect water from the trench.

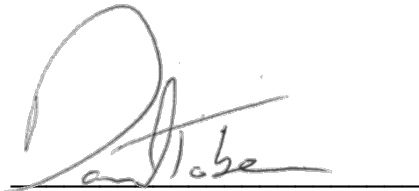
APPROVALS



Brook Syrnyk
Construction Monitor

December 18, 2018

Date



Daniel Tober
Senior Environmental Scientist

December 18, 2018

Date