

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

INDIGENOUS CONSTRUCTION MONITORING

WEEKLY REPORT

SPREAD 8

OCTOBER 15TH TO OCTOBER 20TH

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 October 15th to October 20th, 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	2	Cypress Creek Crossing –		

		SF 35 Oak Creek Crossing – SF 8		
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Additional Observations and Summary of Activities or Concerns

On October 15th, safety theme was 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. Environment: +11 degrees Celcius, roads were a little slick this morning but as temp rose the ice melted, some back roads are very Icey, especially the bridge east of SF 35, at 5:00 the snow was melted and it was a beautiful day. Fine clean and bleach when entering new R.M, or land owner requested wash. At SF 22, monitor noted north side crews backfilling pipe, there is three excavators and one dozer all working together to get the pipe buried. At SF 24, north side, machine that drills the hole underneath the road for the pipe is on sight and the bit is in the ground under the road. At SF 26, north side, lowering in crew lowering pipe into the ground, there are three side booms lowering the pipe on the north side of the road. At SF 35, south side, crews doing some welding on the pipe, one excavator digging the hole for where the pipe will go under the road. At SF 41A, east side, trencher is trenching the ditch, one excavator behind the trencher moving dirt out of the trench. At SF 44, east side, mulcher getting refilled by tandem truck that has two tanks of mulch in the back, mulchers continuing to work east. At SF 50, west side, crews were heating up the welds on the pipe with a tiger torch.

On October 16th, safety theme was 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. Environment: +2 degrees Celsuis, snows melted, nice day outside, cloudy. Fine clean and bleach when entering new R.M, or land owner requested wash. SF 9, south side, pipe gang working on the pipe, welding it together. At SF 21, east side, lowering in crew lowering in the pipe. At SF 21, west side, semi parked on the side of the highway with a load of rig mats, a loader is unloading the semi while flaggers are holding the traffic. At SF 24, south side, UT crew on site x-raying the welds on the pipe, KP 949+600, crews pumping water out of the trench into silk fence bags. At SF 26, north side, backfill crew covering the pipe with dirt, there are three excavators and one dozer working together. At SF 26, south side, lowering in crew have the pipe lowered into the trench but there are still three side booms attached hanging onto the pipe. At SF 28, east side, one excavator backfilling pipe, one dozer pushing dirt back onto the ROW. At SF 32, north side, one excavator and two dozers moving dirt, two hydro vacs on sight. At SF 35, south side, boarding machine is on sight and boarding under the road to the north side.

On October 17th, safety theme was 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. Environment: Plus 12 degrees Celius, very nice day outside today, clear skies. Fine clean and bleach when entering new R.M, or land owner requested wash. NEB

inspection at SF 35, cypress creek crossing. SF 21, west side, crews running hose to pump water out of the trench, one side boom holding pipe in the trench while welding crews weld it. SF 24, north side, lowering in crew lowering in the pipe close to the road where pipe goes under the road, welders in the ditch welding the pipe. SF 26, south side, lowering in crew are holding onto pipe with side booms while the welders weld the pipe in the trench. SF 28, east side, one dozer packing dirt on top of the pipe, first 200 feet of the pipe is buried under the ground. SF 33, east side, excavator digging hole for where pipe will go under the road. SF 33, west side, excavator digging hole for where pipe will go under the road.

On October 18th, safety theme was 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. Environment: Plus 24 degrees Celcius outside today, very warm, wind picked up at the end of the day. Fine clean and bleach when entering new R.M, or land owner requested wash. At SF 8, oak creek crossing, pipe is buried on the west side of the creek, crews starting to remove steel support walls on that side, east side of creek crews are pumping water out of the bottom of the trench, excavator digging downhill where pipe will come up, the operator is putting the dirt he digs up into the back of a rock truck and the woman driving the rock truck is dumping that dirt at the top of the hill SF 10, east side, pipe gang working on the pipe welding it together. SF 10, west side, sand blasting crew sand blasting the welded joints on the pipe, the coating crew is right behind them coating the pipe. SF 25, east side, one side boom holding pipe in the trench, one dozer digging out dirt from the trench near the pipe. SF 26, north side, semi backed into the approach loading up short scrap pieces of pipe onto the back of the semi trailer.

On October 19th, safety theme was 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. Environment: Plus 15 degrees Celcius, clear skies, fairly windy out today. Fine clean and bleach when entering new R.M, or land owner requested wash. SF 10, east side, coating crew coating the welds on the pipe. SF 12, west side, pipe gang working on the pipe welding it together, crews moved across the road and continued work. SF 21, west side, two excavators digging dirt out of the trench close to the road. SF 22, north side, two crew members were mechanically cleaning the tracks on one of the dozers, tracks were full of mud. SF 24, south side, one dozer and two excavators covering up the pipe on the ROW, KP 949+564. SF 25, east side, one excavator backfilling the pipe. SF 31, west side, lowering in crew lowering in the pipe. SF 32, north side, boaring machine is on sight and is boaring underneath the road to the south side. SF 49, east side, trencher is on the ROW preparing to continue trenching.

On October 20th, safety theme was 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. Environment: +1

Degrees Celcius, cold this morning but warmed up a little throughout the day. Fine clean and bleach when entering new R.M, or land owner requested wash. SF 8, oak creek crossing, crews pumping out water out of the ditch on the east side of the creek, one excavator digging down the dirt where the pipe will come up the ROW. SF 16, east side, pipe gang working on the pipe welding it together. SF 17A, east side, semi parked on the ROW, a side boom is loading up welding shacks onto the back of his trailer, there are three welding shacks on the trailer and there isn't room for any more. SF 19, west side, three dozers crossing the road from west to east, flaggers are being used to hold traffic. SF 25, east side, one dozer and three excavators backfilling the pipe. SF 27, west side, lowering in crew lowering in the pipe. SF 32, north side, boring machine on sight boring under the road to the south side. SF 33, west side, lowering in crew lowering the pipe into the trench. SF 35, north side, boring machine on sight boring under the road to the south side.

Photos of Sites Visited & Topics Discussed This Week



Description & Location:

SF 24, photo facing north, road drilling machine on sight drilling under road.



Description & Location:

SF 26, photo facing north, lowering in crew lowering in pipe.



Description & Location:

SF 41A, photo facing east, trencher trenching the ditch, one excavator moving dirt out of the trench.



Description & Location:

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



Description & Location:

SF 21, photo facing north west, multiple pieces of equipment moving dirt.



Description & Location:

SF 28, photo facing east, one excavator backfilling trench, one dozer pushing dirt onto the ROW.



Description & Location:

SF 32, photo facing north, two hydrovacs on sight and multiple pieces of equipment moving dirt.



Description & Location:

SF 35, photo facing south, boaring machine boaring under the road.



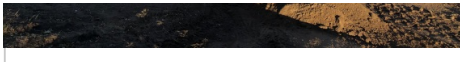
Description & Location:

SF 35, photo facing north, excavator digging hole for where pipe will go under the road.



Description & Location:

SF 26, photo facing south, lowering in crew holding onto the pipe while welders weld it.



Description & Location:

SF 8, oak creek crossing, photo facing west, excavator loading dirt into the back of the rock truck.



Description & Location:

SF 8, oak creek crossing, photo facing west, pipe is buried on the west side of the creek.



Description & Location:

SF 8, oak creek crossing, photo facing east, excavator digging down path that pipe will come up.



Description & Location:

SF 10, photo facing west, pipe gang welding the pipe.



Description & Location:

SF 12, photo facing west, pipe gang welding the pipe together.



Description & Location:

SF 12, photo facing south, two side booms transferring long welding device across the road.



Description & Location:

SF 24, photo facing north, one excavator and one dozer pushing dirt on top of the pipe.



Description & Location:

SF 49, photo facing east, trencher on sight preparing to start trenching.

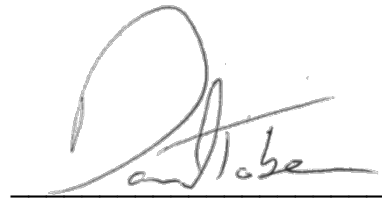
APPROVALS



Brook Syrnyk
Construction Monitor

November 14, 2018

Date



Daniel Tober
Senior Environmental Scientist

November 14, 2018

Date