

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

INDIGENOUS CONSTRUCTION MONITORING

WEEKLY REPORT

SPREAD 8

OCTOBER 29TH TO NOVEMBER 3RD

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 27th to November 3rd, 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 October 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, thick fog in the mornings; Plus 7, thick fog this morning, cloudy, slight bit of rain; Fine clean and bleach when entering new R.M, or land owner requested wash; SF 33, west side, two excavators back filling the pipe, one excavator moving dirt from the side of the ROW closer to the pipe, the other excavator is moving that dirt to the trench where he is covering up the pipe; SF 35, south side, lowering in crew lowering a section of pipe into the trench, the section of pipe is about 3 pieces long that is all welded together, welders are in the trench preparing to weld the two ends of the pipe to the pipe that is already in the ground, fuel truck is also refueling the equipment, spotter backing up fuel truck the work space is very tight and congested; SF 42, west side, one excavator digging dirt out of the trench and putting it on the ROW, a dozer is then pushing that dirt to the south side of the ROW, one crew member is measuring the depth of the trench with a special measuring tool; SF 43A, west side, hydrovacers hydrovacating the open ditch; SF 43A, east side, excavator digging hole for where pipe will come up from under the road; SF 44, west side, three side booms moving a section of welded pipe closer to the trench, crews then crossed the equipment to the east side of the road; SF 47, west side, hydrovacers hydrovacating so they can see the drill bit that is in the ground so they don't hit any buried lines, one excavator starting to dig the bell hole.

On October 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; Plus 7, cloudy fairly windy in the afternoon; Fine clean and bleach when entering new R.M, or land owner requested wash; SF 10A, east side, three side booms holding pipe in the trench, another dozer is parked on the road and his winch is connected to a big metal device that is at the end of the pipe, the dozer is pulling the pipe towards him using the winch and the pipe is going under the road; SF 14, west side, one excavator digging hole near the road for where the pipe will come up from under the road, one hydro vac is on sight hydrovacating near the path that the drill will come under the road to see if there is any buried lines
SF 14, east side, one excavator digging hole near the road for where the pipe will come up from under the road; SF 33, west side, two excavators backfilling the pipe
SF 33, east side, one excavator and one dozer smoothing out the ROW where the pipe is buried; SF 43A, west side, one excavator digging hole for where pipe will come up from under the road, one crew member is measuring the depth of the hole with a special measuring stick, one dozer moving dirt to the south side of the ROW to make more room for equipment and vehicles; SF 43A, east side, excavator digging hole for where pipe will go under the road; SF 45, west side, directional driller drilling underneath the road to the west side; SF 45, east side, hydro vac hydrovacating to see bit under the road, one excavator digging hole where pipe will come up from under the road;

On October 31st, 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; Plus 2, cloudy, little bit of wind; Fine clean and bleach when entering new R.M, or land owner requested wash; SF 10, west side, one excavator moving sand from in front of the pipe to the side of the ROW; SF 12, east side, three side booms lowering the pipe into the trench, there is a big machine attached to the end of the pipe witch has guide wire that runs to the road where there is a dozer and there attached to the back of the dozer and the pipe is being pulled underneath the road; SF 42, west side, one excavator widening out the trench, digging dirt out of it; SF 42, east side, lowering in crew lowering pipe into the trench, welders are on sight welding that pipe together; SF 45, east side, directional driller drilling under the road to the west side, Midwest hydro vac is on sight hydrovacating about 100 feet in front of the directional driller; SF 45, west side, the pipe is on skids and the attachment that connects to the drill bit that pulls the pipe under the road is inside and attached to the pipe on the skids; SF 47, east side, directional driller drilling under the road to the west side; SF 48, west side, side boom holding up the pipe, crews grinding the pipe, welders came and welded the pipe.

On November 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; Plus 5, cloudy, light rain at the end of the day; Fine clean and bleach when entering new R.M, or land owner requested wash; Monitor pipeline construction from SF 4 - SF 50; SF 4, west side, four dozers pushing transition soil soil back on the ROW, four excavators pulling the transition from the topsoil; SF 10, east side, crews heating up the pipe with a tiger torch then there sandblasting it then there coating the weld on the pipe; SF 11, east side, three side booms holding the pipe in the trench while welders weld the pipe together; SF 11, west side, three side booms holding the pipe in the trench while welders weld the pipe together; SF 12, east side, excavator digging trench, helper measuring the depth of the trench; SF 12, west side, excavator digging trench, helper measuring the depth of the trench; SF 16, west side, one excavator digging trench close to the road, moving dirt onto the ROW, another excavator is moving that dirt to the side of the ROW; SF 17A, east side, excavator digging out trench, hydrovacers on sight because buried cables are visible and they are hydrovacating them; SF 38, south side, lowering in crew lowering in pipe.

On November 2nd, 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; Plus 0, cloudy, snow/rain today; Fine clean and bleach when entering new R.M, or land owner requested wash; SF 12, east side, crews tying in pipe, side booms holding pipe in the trench while welders weld it, the welders have a tent over top of the pipe where they are welding because its' snowing, stairs built into the trench SF 12, west side, crews preparing to tie in, side booms lifting pipe into trench; SF 15, east side, excavator digging dirt out of trench and placing it onto the ROW, one dozer is then

pushing that dirt to the side of the ROW; SF 16, west side, crews prepping for tie ins, excavator lifted large water pump close to the trench so water could be pumped out; SF 16, east side, two side booms have slings around the pipe and are preparing to lower it into the trench; SF 38, south side, crews backfilling the pipe, one excavator is loading dirt into a rock truck and that rock truck is dumping the dirt close to the trench, then another excavator is moving that dirt into the trench.

November 3rd, 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; minus one today, road conditions were very bad, lots of ice patches this morning, cloudy skies; Fine clean and bleach when entering new R.M, or land owner requested wash; SF 6, east side, three dozers pushing transition soil back onto the ROW, one excavator is pulling the transition soil from the top soil and dumping it onto the ROW for the dozers; SF 11, east side, two excavators backfilling the pipe; SF 11, west side, two excavators backfilling the pipe, the one excavator removed the long metal pole that was put over top of the buried cables to protect them, the operator then gently put soil back onto the buried lines and eventually covered them up; SF 14, east side, tie in crew welding pipe, three side booms holding onto the pipe; SF 14, west side, tie in crew welding pipe, three side booms holding onto the pipe; SF 16, west side, three side booms holding onto the pipe in the trench while welders tie it in, there is one more section towards the west, in the same trench, that also needs to be tied in.

Photos of Sites Visited & Topics Discussed This Week

October 29, 2018



SF 33, photo facing west, excavators backfilling pipe.



SF 35, photo facing west, crews tying in the pipe.



SF 47, photo facing north, crews hydrovacating to locate the drillers drill bit.



SF 44, photo facing west, side booms moving pipe closer to the trench.



SF 43A, photo facing east, excavator digging hole for where pipe will go under the road.



SF 42, photo facing west, excavator moving dirt out of the trench onto the ROW, one dozer then moving that dirt to the side of the ROW.

October 30, 2018



Description & Location:

SF 10, photo facing east, crews pulling pipe under the road.



Description & Location:

SF 14, photo facing east, excavator digging bell hole.



Description & Location:

SF 14, photo facing west, excavator digging bell hole, hydrovac looking for any buried lines.

Photo

Description & Location:

October 31, 2018



Description & Location:

SF 12, photo facing south west, side booms sliding the pipe into the bored hole under the road.



Description & Location:

SF 42, photo facing east, side booms lowered pipe into the ground, welders on sight welding the pipe together, tying in.

November 1, 2018



Description & Location:

SF 10, photo facing east, one worker getting ready to heat the pipe.



Description & Location:

SF 11, photo facing east, crews welding the pipe together.

November 2, 2018



Description & Location:

SF 12, photo facing east, crews tying in pipe.



Description & Location:

SF 15, photo facing east, one excavator digging down trench, dozer pushing dirt to the side of the ROW.

November 3, 2018



Description & Location:

SF 11, photo facing west, two excavators back filling the pipe.



Description & Location:

SF 16, photo facing west, tie in crew tying in the pipe.



Description & Location:

Saw this badger about 100 feet north of the SF 6 access on the east side of the gravel road, I decided to name him frank.



Description & Location:

Here's another picture of frank, we saw him cross the road as we were monitoring SF 6, he is very big and fast, I would not mess with frank.

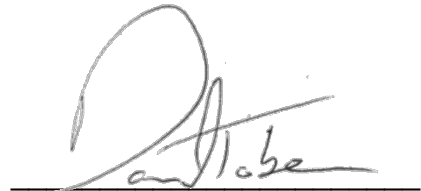
APPROVALS



Brook Syrnyk
Construction Monitor

November 14, 2018

Date



Daniel Tober
Senior Environmental Scientist

November 14, 2018

Date