

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

INDIGENOUS CONSTRUCTION MONITORING

WEEKLY REPORT

SPREAD 7

SEPTEMBER 10TH TO SEPTEMBER 15TH

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 seven. 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 September 10th to September 15th, 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 September 10, 2018, safety them identified Weather, moving equipment and dust; Environment: Clean and disinfect vehicle and boots, follow all bio security, pick all garbage on the R.O.W. when need to. Wetlands 1. Status: work being done; SF2 (KP809+289) Monitor banister stripping top soil. Installing two swing gates on the east side of SF2; SF4 (KP812+200) Banister laying down pipe on the R.O.W. Between SF4 and SF5 preparing it for welding; SF26 (KP836+500) Banister stripping top soil by the wetlands, also installing geo-tech on the approach at KP836+409; SF20 (KP826+341) Monitor banister sandblasting and epoxy coating on the bore pipe. After the work was completed the clean-up, it was awesome. The purpose of sandblasting is to blast off any rust, scale, residue, dirt, moisture leaving a clean surface ready to apply the epoxy coating. Work forecast: Back to monitor the line tomorrow.

On September 11th, safety them identified, attended safety meeting at SF 26 sign on the tailgate. Topics discussed were slips, trips, falls and weather. Environment: Temp 23 UV6 or higher, wind south 20km, mix of sun and cloud, clean and disinfect vehicle and boots, pick up garbage on the R.O.W; SF(KP816+900) Monitor Banister unloading pipe; SF(KP816+900) Banister is preparing to install the bore pipe under the roadway, it will be complete by end of day. M.T.S. cable was located where the bore pipe was being installed; SF22 (KP829+400) Banister did the sandblasting and epoxy coating on the bore pipe. Badger was draining the ditch where the pipe is being installed; SF26(KP836+500) Banister installing geo-tech on the wetlands going east; SF27(KP838+132) Re-access the rare plants area; the sand bluestem plant area; plant area was staked with 10m buffer to identify the location.

On September 12th, safety theme identified, slips, trips, falls, weather uneven ground, dust, and moving equipment on site; Environment: Temp19,UV index4, wind east 20km, clean and disinfect vehicle and boots, pick all garbage on the ROW when needed, follow all Bio security; SF12 (KP819+500) Monitor the welding that was going on the pipe, they heat the pipe at 149F and run a marker on the pipe to make sure the pipe is heated enough to start the weld, once you don't see the marker on the pipe it is ready to start the weld; SF13(KP820+900) Monitor the welder's doing a repair job on the bore pipe; SF27(KP838+132) Monitor banister installing geo-tech and disking; SF51(KP884+700)Observed a rare plant (Riccia fluitans Crystalwort); SF51 Observed a heritage site at(KP884+690)and the end of heritage site was (KP884+890). Work forecast: Going for a bus tour with Enbridge and with Manitoba Metis Federation.

On September 13th, safety theme identified, slips, trips, falls, weather uneven ground, dust, and moving equipment on site; Environment: Temp +12, clean and disinfect vehicle and boots, pick up garbage on the ROW when needed, doesn't happen too often, follow all Bio security; Left the clarion for a bus tour at 10:00AM, went on tour with Enbridge and the Metis Federation to show the Metis federation members what was

going on about the project, the bus tour went very well; Work forecast: Back on the line to monitor.

On September 14th, safety theme identified, slips, trips, falls, weather, uneven ground, wildlife and moving equipment, attended the safety meeting at SF27 sign on the tailboard, topics were back sprain, stake boundary's, moving equipment: Environment: Temp +17 clean and disinfect vehicle and boots, pick up garbage on the ROW when needed, follow all Bio security, Wetland: 1 Seasonal Marsh Class 3 Wetland status work in progress SSKP (825+900) ID MB-1051c; Temp17 Clean and disinfect vehicle and boots. Pick up garbage on the ROW when need to which doesn't happen to often.

Follow all Bio security. Wetland: 1 Seasonal Marsh Class 3 Wetland status work in progress SSKP (825+900) ID MB-1051c; SF11 (KP819+200) Monitor Banister bending machine, the pipe that's being bent in the photo is being bent at 45 degree angle, the diameter of the pipe is 36 inches and the weight of the pipe is about 40,000lbs, this machine could do 2 to 3kms a day; SF18 (825+900) to(824+000) Observed the wetlands photo taken; SF20(KP826+536) Banister is preparing to ream the hole for the bore pipe to be installed, the size of the reamer being use is 36in; SF27(KP838+132) Attended the safety meeting, sign on the tailboard, topics were moving equipment, back sprains, stake's boundary: Weather forecast: Monitor the line tomorrow.

September 15th, safety theme identified, sign on the tailboard the topics we discussed were slips, trips, falls and we also discussed meeting traffic on dusty roads and wildlife; Environment: Temp +16. Clean and disinfect vehicle and boots, pick up garbage on the (ROW) when needed which isn't too often, follow all bio security: SK3 (810+932) Monitor Banister tractor and disc prepping the site for the dozer's to move the topsoil, they had 4 dozer's,1excavator; SF4(KP812+200) to SF20(KP826+536) The truck drivers have the pipe on the ground; SF7 (KP817+700) Monitor Banister prepping the pipe that is on the ground for the welder's, they were using 1dozer with side boom. (photo taken). Work forecast: Go back and monitor the ROW on Monday.

Photos of Sites Visited & Topics Discussed This Week

September 10, 2018



SF14(KP821+184)

Banister laying down geo-
tech on the wetlands.



SF20(KP826+341)

Banister sandblasting and
coating on the bore pipe

September 11, 2018



SF27(KP838+132)

The sand bluestem plant



SF6(KP816+741)

Banister preparing to install the bore pipe.

September 12, 2018



Brandon giant car wash

Wash and clean the vehicle with soap



Brandon giant car wash

Bleach tires after the wash



SF(KP820+900)

Welders doing a repair job
on the bore pipe

September 13, 2018



Clarion Motel

Enbridge introducing themselves
Before the bus tour

September 14, 2018



KP(825+900) to (KP 824+000)

Photo taken facing west on the
wetland



KP (825+900)

Seasonal Marsh Class 3 Wetland
The stakes that shows the start of the wetlands photo taken facing west



SF11 (KP 819+200)

Banister bending machine.
Doing a 45 degree bent photo facing east



SF11 (KP819+200)

Photo taken facing east. After the bending was complete.

September 15, 2018



SF3(KP810+932)

Banister tractor and disc prepping for the dozers. Photo taken facing south



SF7(KP817+700)


Banister prepping to get the pipe ready for the welder's. Equipment being use is dozer with side boom. Photo taken facing west.



SF27(838+200)

The big dirty truck wash.
The operators are waiting for their equipment
to be fine clean and disinfect. Photo taken
facing Southeast

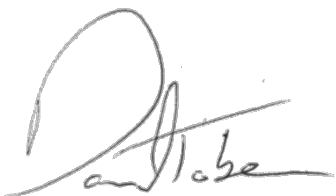
APPROVALS



Arnold Breland
Construction Monitor

October 2, 2018

Date



Daniel Tober
Senior Environmental Scientist

October 2, 2018

Date