

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

INDIGENOUS CONSTRUCTION MONITORING

WEEKLY REPORT

SPREAD 7

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 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 October 29th 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	November 1, 2018; Traditional Land Use : 1 Trenching crew digging up heritage site HER-156 Archeologists present SSKP 842+000		
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	November 3, 2018; Rare plant area VG-85 Crystalwart (<i>Riccia fluitans</i>) there was approximately 2000-5000 thalli observed by 30m area during the 2914 supplemental vegetation surveys; Rare plant		

		observed at this site(crystal wort; <i>Riccia fluita</i>)		
Aquatic Life	N/A			
Animal Observations or Burrows	N/A			
Bird Nests	N/A			
Trees (Red Willow)	N/A			
Wetlands	N/A	November 3, 2018; Wetland crossing MB-107 seasonal marsh (class 3)		
Watercourse Crossing	N/A			

Additional Observations and Summary of Activities or Concerns

On October 29th, Slips, trips falls, weather, wildlife, Medic's camp 1-780-329-9183 Virden Hospital (204) 748-1230; Temp 7, wind-chill minus 7 overnight. Follow all bio security. RD#2 (SSKP 809+300) Monitor the tackifier crew. What this crew is doing is spraying synthetic copolymer dispersion on the topsoil to protect the topsoil from blowing away. The product that they use is distributed by Landloc Environmental Products; RD#28 (SSKP841+300) Monitor banister tramping cattails through the lagoon between sf 27 and sf 28. The piece of equipment they were using was a snow cat. This is a wetland area Semi permanent marsh (class 4) wetland complex MB-054; RD#28 (SSKP847+900) Monitor banister spreading mulch. They use this mulch as a barrier on the buffer; RD#57 (SSKP896+800) Monitor banister main welding crew. The crew is moving east towards sf 58. All sites are nice and clean as they move forward; Work forecast: Go back and monitor the ROW tomorrow.

On October 30th, Medic's camp 1-780-329-9183, Emergency 911, Virden hospital (204) 748-1230. Attended tailgate meeting. Don't work alone be in contact with your supervisor let him know where you're going to be for the day; Temp 7, UV index 1 or low. Mainly cloudy with 30 percent chance of showers or flurries. Follow all bio security; RD#3 (SSKP 811+300) Monitor the stringing crew. All trucks leaving this area got to get there equipment clean and bleach when leaving this area. Equipment operating on the topsoil and sub soil; RD#13 (SSKP 820+654) Monitor banister back filling the tie-in at sf 13. All lighting plant have drip trays on this site. Banister doing a very good job of cleaning there sites as they move forward; RD#28 (SSKP841+300) Re-assess banister crew tramping the cattails between sf27 to sf 28. The crew is doing a wonderful job of staying in the boundaries; RD#60 (SSKP 900+400) Monitor the main welding crew at sf 60. The crew is moving east very well. Again these sites are very clean; RD#60 (SSKP 900+700) Monitor banister beveling crew. The crew is also moving east very well. After the beveling is complete there is a crew that comes behind to clean up the shaving from the beveling machine. This crew is doing a very good job of cleaning the shaving of the ground; Go back and monitor the ROW tomorrow.

On October 30th, Medic's camp 1-780-329-9183, Emergency 911, Virden Hospital (204)748-9183; Wildlife ,weather, slips ,trips, falls; Temp 2, Follow all bio security. Clean and bleach your vehicle when leaving SF3; RD#37 (SSKP 862+100) Monitor banister coating crew. This crew comes behind after they jeep the pipe and coat anywhere it needs to be repair. They sandblast the defected area and come behind and coat it; RD#62 (SSKP 904+100) Monitor banister sandblasting crew the crew is moving east. The site is very clean as they move forward; RD#62 (SSKP 903+400) Banister main welding is moving east very well. They are moving east towards sf 63 the site is very clean as they move forward; RD#63 (SSKP 904+400) Monitor banister loading up the bending machine heading back to sf 1. The bending machine was fine cleaned before leaving this area; Work forecast: Go back and monitor the ROW tomorrow.

On November 1st, Slips, trips, falls, weather, wildlife, Medic's camp 1-780-329-9183

Virден Hospital (204) 748-1230, Emergency 911; Temp 2, risk of freezing rain in the morning. Follow all bio security; Low minus 3 wind chill near minus 8 this evening.

Traditional Land Use : 1 Trenching crew digging up heritage site HER-156 Archeologists present SSKP 842+000; RD#14 (SSKP 821+100) Banister is prepping the site to get the tie-in to the bore pipe ready. They have to cut the road open so they could get this bore pipe installed. They have sign set up stating the road is close and they also have flaggers on site; RD#16 (SSKP 823+400) Monitor banister backfilling the pipe at SF 16. The type of material they're using for backfilling is the sand that was dug up to make the ditch. This site is very well organize and clean; RD#28 (SSKP 842+000) Monitor banister trenching east of sf 28. The crew is lowering the pipe into the ditch. Banister is also putting down geo-tech for extra protection so the subsoil doesn't get mixed with the topsoil. Banister is doing a very good job of working around the archeology site east of sf 28. This site is also very organize and clean; Work forecast; Go back and monitor the ROW tomorrow.

November 2nd, Buckle up your seatbelt before you start to drive. Follow speed limit at all times. Do not use cruise control on slippery roads; Medic's camp 1-780-329-9183

Virден Hospital (204) 748-1230; Emergency 911; Temp 3, Cloudy with 30 percent chance of flurries. Low minus 3. Wind chill near minus 9; Follow all bio security; RD#1 (SSKP 808 + 568) Monitor the dewatering station is still pumping water to the pig pen. The site is very clean and all lighting plants have trip trays. Banister also prepping the site with trench boxes to get the pipe installed; RD#28 (SSKP 841+300) Re-Assess sf 28 where banister tramping down the cattails. They are pretty much done tramping down the cattails between SF27 to SF28.They are also prepping the site to string the pipe. The site is also clean; RD#38 (SSKP 863 +300) Monitor banister mowing the buffer zone at the heritage resource feature ID# heritage 160. The reason why the buffer is mow is because it does a better job of applying the mulch. The mulch protects the topsoil on the buffer; RD#63 (SSKP 904 +400) Monitor banister de-mobilizing the equipment at sf 63.They are going back to kick off at SF 1;

November 3rd, Medic 1-780-329-9183, Virден Hospital (204) 748-9183, Emergency 911 Do not use cruise control on slippery roads. Make sure you slow down when approaching a intersection on icy roads; Temp 1, UV Index1 or low. Wind-chill near - 8.30% chance of light snow; Rare plant area VG-85 Crystalwort (Riccia Fluitans) there was approximately 2000-5000 thalli observed by 30m area during the 2914 supplemental vegetation surveys; Wetland crossing MB-107 seasonal marsh (class 3) Rare plant observed at this site(Crystal wort) Riccia Fluita; RD#51 (SSKP 885.89 + 885.95) Observed rare plants area VG-85 Crystalwort (Riccia fluitans); RD#51 (SSKP 885.89 +885.95) Observed wetland crossing area MB-107 seasonal marsh (class) Rare plant observed at this same area (Crystal wort) Riccia Fluitans; RD#51 (SSKP 885.65 +885.7) Monitor wetland seasonal marsh (Class 3).

Photos of Sites Visited & Topics Discussed This Week

October 29, 2018



RD#2(SSKP 809+300)

This is product they use to spray
the topsoil to keep it from blowing away
Photo taken facing east



RD#2 (SSKP 809+300)

Banister spraying the topsoil with the product call
synthetic copolymer dispersion. Photo taken
facing east



RD#28 (SSKP 847+900)

Banister tramping down the cattails there using a snow cat. Photo taken facing west



RD#28(SSKP 847+900)

Banister spraying mulch they use this as a barrier on the buffer. Photo taken facing west

October 30, 2018



RD#3 (SSKP 811+300)

This is the stringing crew at sf 3. Photo taken facing south



RD#3 (SSKP 811+300)

This is the cleaning station where all equipment got to get clean and bleach sf3 before leaving this area. Photo taken facing south



RD#13 (SSKP 820+654)

Banister backfill crew. Photo taken facing east



RD#28 (SSKP 841+300)

This is the area where banister tramping the cattails. Photo taken facing west

October 31, 2018



RD#62(SSKP 903+400)

This is the main welding crew They are moving towards sf 63. Photo taken facing south



RD#62 (SSKP 904+100)

This is the sandblasting crew. The crew is moving east site is very clean. Photo taken facing east.



RD#37 (SSKP 903+100)

Banister coating crew. The crew comes behind after they jeep the pipe and coat the defects. Photo taken facing east



RD#37 (SSKP 903+100)

This is the reason why the pipe is jeeped. Coating crew comes and repairs the defect area with epoxy. Photo taken facing south

November 1, 2018



RD#14 (SSKP 821+100)

This is the site where they cut the road open to install the bore pipe this site is very well identified with signage. Photo taken facing east



RD#28 (SSKP 842+000)

This is banister lowering end crew the crew is doing a good job of working by the archeology site. Photo taken facing east



RD#28 (SSKP 842+000)

Banister taking extra precautions by laying down geo-tech so the subsoil don't get mix with the topsoil. Photo taken facing west

November 2, 2018



RD#63 (SSKP 904 +400)

Banister de-mobilizing and loading the equipment at RD#63. Photo taken facing south



RD#38 (SSKP 863 +300)

Banister mowing the buffer to prepare for mulch to be applied. Photo taken facing east



RD#28 (SSKP 841 +300)

Banister tramping down the cattails they have complete this wetland area. Photo taken facing west



RD#1 (SSKP 808+568)

Banister prepping the ditch with a trench box This site is where the de-watering station RD#1. Photo taken facing north

November 3, 2018



RD#51 (SSKP 885.89 +885.95)

This area is a wetland area MB-107. Photo taken facing south



RD#51 (SSKP 885.89 +885.95)

Wetland crossing MB-107 Seasonal marsh (class 3) Rare plant observed at this area.



RD#51 (SSKP 885.89 +885.95)

Rare plant area VG-85 Crystalwort (*Riccia fluitans*). Photo taken facing east



RD#51 (SSKP 885.65 +885.70)

This is a wetland crossing Seasonal marsh
(class 3). Photo taken facing south

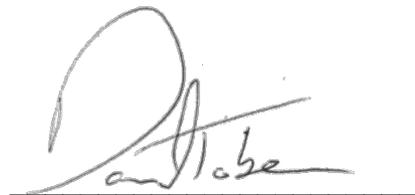
APPROVALS



Arnold Breland
Construction Monitor

November 14, 2018

Date



Daniel Tober
Senior Environmental Scientist

November 14, 2018

Date