

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

INDIGENOUS CONSTRUCTION MONITORING

WEEKLY REPORT

SPREAD 9

NOVEMBER 13TH TO NOVEMBER 17TH

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 nine. 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 13th to November 17th, 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 13th, Slips trips falls - 3 Point contact, tie your boots, watch your footing, communication - maintain communication amongst the crew, un-controlled intersections, treat them as four way stops, be courteous, congested areas - be ROW ready, avoid if possible, awkward body pos. - take micros to stretch, wildlife - scan the ditches, be aware, defensive driving, theft - lock up your vehicle, keep belongings out of eye sight, take breaks to warm up, be fit for duty, stay clear of hydro test if there is no reason to be there; respect the environment, ensure proper disposal and separation of garbage and recycling, smoke in designated areas only, proper disposal of cigarette butts, ensure vehicle/equipment is cleaned and inspected, ensure tires are cleaned and inspected, vehicle is equipped with bleach and spill kits, follow bio-security protocols; 6:00 AM Inspectors meeting; safety had mentioned to ensure we are fit for duty and to take warm up breaks if it gets to cold. Environment had discussed that the N.E.B. are coming next week and to look out for debris on the R.O.W. and keep an eye out for stuff that could help with spring preparedness; 6:15 AM Environment meeting; 7:00 AM Construction meeting; same as discussed in the 6:00 AM meeting; The junior monitors had taken the day off for extra rest, I had conducted the safety meeting for myself. I had spent some time continuing working on help sheets for the junior monitors and spent the rest of the day out on the line keeping an eye out for debris on the R.O.W. and other stuff that will need to be cleaned and prepared for spring preparedness; Finished off day compiling days information into daily report.

On November 14th, slips, trips, falls, communication, un-controlled intersections, congested areas, awkward body position, wildlife, defensive driving, theft, ensure use of spotter, keep up with housekeeping, be fit for duty (see Nov 13th for full outline); respect the environment, ensure proper disposal and separation of garbage and recycling, smoke in designated areas only, proper disposal of cigarette butts, ensure vehicle/equipment is cleaned and inspected, ensure tires are cleaned and inspected, vehicle is equipped with bleach and spill kits, follow bio-security protocols; 6:00 AM Inspectors meeting; safety had talked about the importance of using spotters and managing fatigue to ensure your fit for duty, environment had mentioned that good housekeeping is important this time of year, 6:15 AM Environment meeting, 7:00 AM construction meeting, safety moment was watching out for wildlife as its rut season and topics discussed in the 6:00 AM were mentioned; Monitored SSKP-1093.100-MB-WC80 referring to section 6.0 in the E.P.P.; as I was at the site the excavator had just begun backfilling with the native soils taken from the drainage. Silt fencing and proper signage was in place; Monitored SSKP-1095-MB-WC81 referring to section 6.0 in the E.P.P tie-ins were occurring while I was monitoring the site, I had stayed safe distance back. Proper environment controls such as silt fencing and proper signage were in place; Monitored SSKP 1096.200-MB-WC82+SSKP-1096.330-MB-WC82A referring to section 6.0 in the E.P.P.; not too much time was spent at the watercourses due to congestion, hydro-vac was clearing out the trench preparing for tie-in installation; Junior Monitors had noticed debris at Rd.39, I had passed on this information to environment inspector

to be added to the deficiency list; Finished off day compiling days information into daily report.

November 15th, slips, trips, falls, communication, un-controlled intersections, congested areas, awkward body position, wildlife, defensive driving, theft, ensure use of spotter, keep up with housekeeping, be fit for duty, stay clear of Rd.17 to Rd.23, hydro test occurring today. (see Nov 13th for full outline); respect the environment, ensure proper disposal and separation of garbage and recycling, smoke in designated areas only, proper disposal of cigarette butts, ensure vehicle/equipment is cleaned and inspected, ensure tires are cleaned and inspected, vehicle is equipped with bleach and spill kits, follow bio-security protocols; 6:00 AM Inspectors meeting; safety had mentioned to be aware and cautious of other drivers, not to get complacent with your PPE and to ensure spotters are used. Environment had suggested that the key should be getting extra attention to look good and subsoils to stay off buffer zones; 6:15 AM Environment meeting; environment team had informed me that the mess at 1063 will be cleaned today; 7:00 AM Construction meeting; safety discussed staying clear of Rd.59 and 60 due to heavy congestion and Rd.17 to Rd.23 due to hydro static test. Same topics discussed at the 6:00 AM were touched up on during this meeting; I had conducted the morning safety meeting amongst the crew discussing the hazards and controls for the work day as well informing the junior monitors to stay clear of Roads 59, 60 and 17 through 23 due to work hazards. The junior monitors had been assigned SSKP's to be monitored throughout the work day. As of late due to the job being near completion the main focus now is tie-ins, the remainder of water courses, backfill and driving the R.O.W. to spot deficiencies to be reported to the environment team; I had headed to kick off and zig zagged through the back roads to view the existing restoration of the R.O.W. and avoided Rd.17 to 23 as requested. Headed into the office early due to weather conditions on the highways, the rest of the day had been spent getting the juniors and myself weekly paperwork ready and working with the juniors on their computers; Finished the day off compiling days information into daily report.

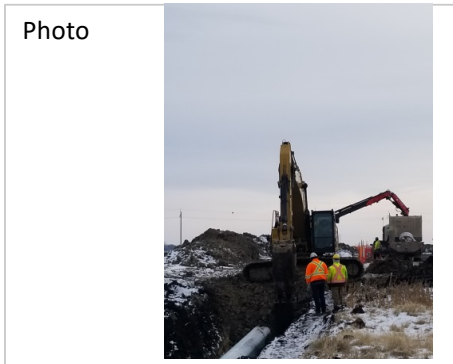
November 16th, slips, trips, falls, communication, un-controlled intersections, congested areas, awkward body position, wildlife, defensive driving, theft, ensure use of spotter, keep up with housekeeping, be fit for duty, stay clear of Rd.17 to Rd.23, hydro test occurring today. (see Nov 13th for full outline); respect the environment, ensure proper disposal and separation of garbage and recycling, smoke in designated areas only, proper disposal of cigarette butts, ensure vehicle/equipment is cleaned and inspected, ensure tires are cleaned and inspected, vehicle is equipped with bleach and spill kits, follow bio-security protocols; 6:00 AM Weekly safety meeting; main safety topic this morning was to not rush and take short cuts which can lead to incidents, ensure tools, rigging and equipment are checked prior to use. Make sure to be using and wearing all PPE, ensure fire extinguishers and spill kits are equipped in your vehicles and machines. A note was made to avoid Rd.59 as it is congested; 6:15 Inspectors meeting; Environment had reminded us that the N.E.B. will be arriving on Tuesday and to be prepared for their inspection, checking to ensure soil piles are staked was mentioned as well bridge removal at Rosenheim drain. It was also brought up that watercourses for spread 9 should be complete within the week; 6:30 Environment

meeting; 7:00 AM Construction Meeting; the safety moment was ladder securement and topics discussed at the 6:15 Am meeting were discussed; 9:00 AM Weekly Progress Meeting; Enbridge and subcontractor teams had discussed and informed others of their weekly progress stats and numbers; This morning I had conducted the morning safety meeting and assigned the junior monitors SSKP's to be monitored. They were also given direction to drive un-congested areas of the R.O.W. to help look for garbage in preparation for spring preparedness; Viewed the drainage restoration at SSKP-1093.100-MB-WC80 referring to section 6.0 in the E.P.P.; The restoration of the drainage looks good, the drainage had been contoured to its original flow pattern as well had its native soils used for restoration. Seed had been spread out, jute matting placed to act as an erosion control and waddles in place to help with erosion control in the event of heavy water flow; Noted equipment/vehicle crossing at 1085.200 had sturdy and well-kept silt fencing acting as erosion controls to keep bridge material out of the creek; I had driven the line from Rd. 57 to Rd. 49 looking for deficiencies such as debris, garbage and knocked down stakes or signs. The R.O.W. looked very clean and well kept, there are a few piles of skids and work equipment such as ladders that have been piled neatly waiting to be removed off the R.O.W.; Finished off day compiling days information into daily report and having weekly crew meeting with Matrix Solutions general manager Greg Lewis.

On November 17th, slips, trips, falls, communication, un-controlled intersections, congested areas, awkward body position, wildlife, defensive driving, theft, ensure use of spotter, keep up with housekeeping, be fit for duty, stay clear of Rd.17 to Rd.23, hydro test occurring today. (see Nov 13th for full outline); respect the environment, ensure proper disposal and separation of garbage and recycling, smoke in designated areas only, proper disposal of cigarette butts, ensure vehicle/equipment is cleaned and inspected, ensure tires are cleaned and inspected, vehicle is equipped with bleach and spill kits, follow bio-security protocols; 6:00 AM Inspectors meeting; safety moment was to stay hydrated, safety had discussed staying clear of ditches and to always be using a spotter. Environment had talked about ensuring the R.O.W. is clean, bridge removal at Rosenhiem drain will commence today and to be diligent while removing approaches and equipment crossings; 6:15 AM Environment meeting; 7:00 AM Construction meeting; safety moment was dressing for the cold weather, wear layers and keep warm. Safety had mentioned for us to ensure our buggy whips are equipped and erect when working on the R.O.W. Environment had mentioned to continue ensuring the R.O.W. is clean, soil piles are marked and to be careful when removing access approaches; This morning I had conducted the safety meeting discussing the hazards and controls for the work day, the junior monitors were assigned SSKP's to be monitored throughout the day. I had spent some time driving down the R.O.W. ensuring it was clear of garbage and debris as well looking to make sure soil piles had proper stakes. The rest of the day was spent getting ready for the N.E.B. audit coming up in a few days as well working with the juniors helping with their reports; finished off day compiling days information into daily report.

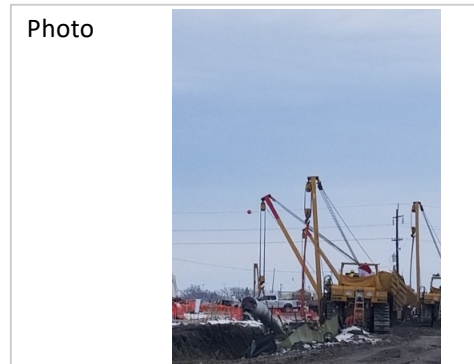
Photos of Sites Visited & Topics Discussed This Week

November 14, 2018



Description & Location:

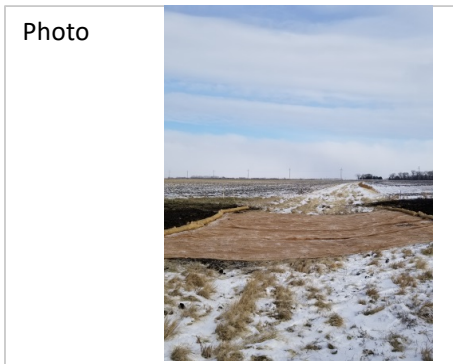
1093.100-MB-WC80
Backfilling
Photo taken facing East



Description & Location:

1095.100-MB-WC81
Tie-ins
Photo taken facing East

November 16, 2018



Description & Location:

MB-WC80 Restoration
Waddles and jute matting as erosion
control
Photo facing North East.



Description & Location:

Intact and sturdy silt fencing at 1085.200
Photo taken facing North east.

November 17, 2018



R.O.W. at Rd.43
Photo taking facing West

APPROVALS



Corey Monkman
Senior Construction Monitor

November 26, 2018

Date



Daniel Tober
Senior Environmental Scientist

November 26, 2018

Date