

**SWAN LAKE FIRST NATION – MATRIX SOLUTIONS  
INC. PARTNERSHIP**

**INDIGENOUS CONSTRUCTION MONITORING**

**WEEKLY REPORT**

**SPREAD 9**

**SEPTEMBER 10<sup>TH</sup> TO SEPTEMBER 15<sup>TH</sup>**

## 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 September 8<sup>th</sup> to September 15<sup>th</sup>, 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	3	Bone found at 1057 SSKP 1057.178.2		
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

Weekly activity included continue to check access points on the ROW and checking Kick Off to Gretna.

Environment: Proper disposal of cigarette butts. Do not throw food scraps or garbage on the ROW or ground in general. Garbage with garbage. Recycling with recycling. Ensure spill kits are in vehicles. Remaining vigilant regarding waste and garbage on right of way. Being careful as to ignitions sources. Being aware of weather conditions.

September 10, 2018 - Safety included: Slips-trip-falls: watch your footing, 3-Point contact when entering/exiting vehicles. Driving-congested areas, avoid if possible. Dust roads, drive cautiously. Wildlife-scan the ditches and practice defensive driving. Heat: drink plenty of water. Show caution remain wary on right of way dangers or potential problems. Communication is important to touch base to ensure all personal are safe. Being aware of muster points at field office but out in the field with other crews. Driving defensively. Treating intersections and pipeline crossings gingerly. Children back in school. Autumn harvest is in full swing. The work crews are readying for movement in the Shoe-fly's.

Weather forecast: Partly cloudy, 11degrees with a high of 24.

Arrived at the Morden yard and received the days itinerary. Travelled with junior monitor, Lorne Parisian to Dead Horse Creek SSKP 1041+000 to do a sweep of the top soil and the ROW as they set up wash station shown on the picture on the report at 1041+000. Travelled on to SSKP 1057 to check on sensitive riparian zone. Located what looks like bones. These specimens were documented and ribboned with additional photos. Bones located at 1057+000, 1057.11-1057.22, took pictures and marked them out. Took the opportunity to collect some fine photos of plant life and insects.

Work Forecast: Monitor spread 9 SSKP 1057 tomorrow.

September 11, 2018 – Safety meeting was conducted by our Indigenous Construction Senior Monitor Corey Monkman. We are to be observant while paying close attention to significant sites that may be of interest, possible environmental areas of interest like fish, frogs and surveying for stones and bones in areas SSKP 1041 and SSKP 1057.

Weather forecast: Sunny with a high of 24 degrees.

Arrive at Morden Yard and received the days itinerary. Travelled to Dead Horse Creek, KKP 1041 to check out the ROW as they were working on it at the west and north end of it. They completed the bridge crossing and started preparing to move the horizontal directional drill equipment on to the drill pads. Travelled to 1057+000 and located more bones SSKP 1057.178.2, as we did our sweep.

Work Forecast: Back at 1041 KP Dead Horse Creek tomorrow and travel to 1057kkp

September 12, 2018 - Safety included: Slips-trip-falls: watch your footing, 3-Point contact when entering/exiting vehicles. Driving-congested areas, avoid if possible. Dusty roads, drive cautiously. Wildlife-scan the ditches and practice defensive driving. Heat: drink plenty of water. Show caution remain wary on right of way dangers or potential problems. Communication is important to touch base to ensure all personal are safe.

School children back in School. Autumn harvest is in full swing. The work crews are readying for movement on the Shoe-fly's. Together traffic is heavier.

Weather forecast: Sunny with a high of 13 degrees.

Travelled to Morden yard and received assignments for the day. Travelled to Dead Horse Creek KKP 1041+000 to monitor the unloading of the Horizontal directional drill As they are prepping to drill next week. As we were at 1041+025. Travelled to road 35 To monitor the road boring pit and getting set up to put the pipe under the road. Monitored SSKP 1041 Nothing found at this sight. Travelled to SSKP 1057 to check on sensitive riparian zone. It was here found what appears to be a bone. Specimens were documented and rib boned with additional photos. It was at this opportunity that I collected some photos of construction work in SF 35 Crew preparing pipe.

Work Forecast: Return to Dead Horse Creek tomorrow and check out the ditcher.

September 13, 2018 - Safety included: Slips-trip-falls: watch your footing,3-Point contact when entering/exiting vehicles. Driving-congested areas, avoid if possible. Dust roads, drive cautiously. Wildlife-scan the ditches and practice defensive driving. Heat: drink plenty of water. Show caution remain wary on right of way dangers or potential problems. Communication is important to touch base to ensure all personal are safe. Being aware of muster points at field office but out in the field with other crews. Driving defensively. Treating intersections and pipeline crossings gingerly. Children back in school. Autumn harvest is in full swing. The work crews are readying for movement on the Shoe-fly's.

Weather forecast: Cloudy and will be 15 degrees, wind is out of the wnn13km/hr.

Arrived at the Morden Yard for work and the morning activities consisted of discussing the work scope for the day as well as the ERP, Muster Points, and Hazards and controls for the work day lead by Indigenous Construction Senior Monitor. Received the days itinerary with the other Indigenous Construction Junior Monitor travelled to the assigned SSKP. Check out the spreads 1057 south to Gretna, to wet to do any work on the ROW. Returned to the office to complete reports.

Work Forecast: Back at 1041 kp Dead Horse Creek tomorrow and check out the ditcher.

September 14, 2018 - Safety included: Slips-trip-falls: watch your footing,3-Point contact when entering/exiting vehicles. Driving-congested areas, avoid if possible. Dust roads, drive cautiously. Wildlife-scan the ditches and practice defensive driving. Heat: drink plenty of water. Show caution remain wary on right of way dangers or potential problems. Communication is important to touch base to ensure all personal are safe. Being aware of muster points at field office but out in the field with other crews. Driving defensively. Treating intersections and pipeline crossings gingerly. Children back in school. Autumn harvest is in full swing. The work crews are readying for movement on the Shoe-fly's.

Weather forecast: Cloudy and high 15.

Indigenous Construction Junior Monitor had arrived for work on 09/14/18 at the office located in Morden, Manitoba. The morning activities consisted of discussing the work scope for the day as well as the ERP, Muster Points, and Hazards and controls for the work day lead by Indigenous Construction Senior Monitor. After we had received the

days itinerary us Indigenous Construction Junior Monitors had taken off to the SSKP assigned to our team. We travel to 1018 kp monitor the welders as they prepped the pipe line for the morning. We travel to kick off and monitor as they were doing there maintenance as shown in the picture. Tractor, Grater, Escalator, Side boom, and dozer. Handed SSKP areas that are to be monitored today it is SSKP 1026 and possibility of observing kick off and the Ditcher. Paying close attention to right of way along the way. Arrived at kick off to observe the ditching machine. Found that the clay on the right of way was too wet and the personal and equipment too congested. Personal protective equipment is checked and fire extinguisher is up and MSDS spray chlorine for the boots is up to date.

Work Forecast: Back at 1041 kp Dead Horse Creek tomorrow and check out the ditcher And continue to monitor spread 9.

September 15, 2018 - Safety included: Slips-trip-falls: watch your footing,3-Point contact when entering/exiting vehicles. Driving-congested areas, avoid if possible. Dust roads, drive cautiously. Wildlife-scan the ditches and practice defensive driving. Heat: drink plenty of water. Show caution remain wary on right of way dangers or potential problems. Communication is important to touch base to ensure all personal are safe. Being aware of muster points at field office but out in the field with other crews. Driving defensively. Treating intersections and pipeline crossings gingerly. Children back in school. Autumn harvest is in full swing. The work crews are readying for movement on the Shoe-fly's.

Weather forecast: Foggy out use defensive skills drive at a safe speed

Arrived for work at the Morden yard. The morning activities consisted of discussing the work scope for the day as well as the ERP, Muster Points, and Hazards and controls for the work day lead by Indigenous Construction Senior Monitor. Received the days itinerary and travelled with the Junior Monitors to the SSKP assigned to our team, paying close attention to significant sites that may be of interest, with possible area to be highlighted Mary Jane Drain and SSKP 1026. Drove to kick off to view the progress going on there. As a team, this morning, Indigenous Constriction Junior Grant Manningway and myself, placed on the personal protective equipment and made our way down to the beginning of Spread #9 Construction here was almost at a stand-still as the extreme foggy conditions limited the earth moving machines and personal. The weather condition was foggy so we didn't get out onto the right of way because it was too hazardous, so we spent the rest of the day driving the back roads viewing what we could from the road. Photos of earth moving machines were gathered specimens were documented collected fine photos. Returned to the office to do our daily report.

Work Forecast: Day off

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Photos of Sites Visited & Topics Discussed This Week



Sept 10/18  
Dead horse creek  
wash station



Sept 10/19  
Bone found at 1057



Sept 10/18  
photo of medicine in SSKP 1057



Spet 10/18  
photo leopard frog in SSKP 1057



Sept 10/18  
Photos of small song bird



sept 10/18  
Photo of a crickets



Sept 11/18  
AT SSKP 1057



Sept 11/18  
SWEPT SSKP 1041  
putting the bridge



Sept 11/18  
SSKP 1057 bone find



Sept 11/18  
SSKP 1057 bone find



Sept 11/18  
SSKP 1057 bone find



Sept 11/18  
SSKP 1057 bone find





Sept 12/18  
ROAD BORE PIT at SF 35



Sept 12/18  
Construction crew laying pipe close to Shoe Fly 35  
where bone found



Sept 12/18  
pics of crew laying pipe close to find



Sept 12/18  
Photo of bone SSKP 1057.850



Sept 12/18  
Photo of bone SSKP 1057.850



Sept 13/18  
Deer tracks looking wesy SSKP 1039



Sept 13/18  
photo coyote track looking west SSKP 1039



Sept 14/18  
Welding shacks at kick off



Sept 14/18  
Kick off



Sept 15/18  
photo of earth moving machines looking North

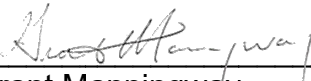


Sept 15/18  
SSKP 1000  
Photos of personal waiting out the thick fog and cloud

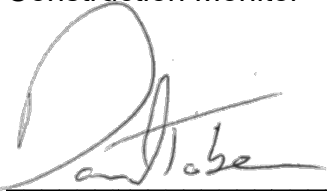


Sept 15/18  
Photo of machines at stand still fog rain

**APPROVALS**

  
\_\_\_\_\_  
Grant Manningway  
Construction Monitor

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November 13, 2018  
Date

  
\_\_\_\_\_  
Daniel Tober  
Senior Environmental Scientist

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November 13, 2018  
Date