

**SAMSON CREE NATION – MATRIX SOLUTIONS INC.
PARTNERSHIP**

ABORIGINAL CONSTRUCTION MONITORING

WEEKLY REPORT

SPREAD 2

AUGUST 13TH - AUGUST 18TH

1. PURPOSE OF THIS REPORT

The report is a weekly summary of the daily reports submitted by the Aboriginal Monitors that are working on spread two. The social and cultural findings have been tabulated with locations and mitigation measures below. A summary of the construction activities has been summarized for August 13th – August 18th 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	Yes			
Watercourse Crossing	N/A			

Additional Observations and Summary of Activities or Concerns

Attended daily safety meetings and discussed daily scopes each morning with the Contractor Liaison Dean Pooyak, and/or the Senior Construction monitor Drayton Kasokeo.

Weekly activities included spot-checking km 144,146,149,150,158,159,161,165, 166,172,178,181,187,188, 189,193,196,197, 200-206,216-221,223, and shoofly 90-94, 97,102,107,114,115,118,119, 121-124,126-130,136,137,138,139,142.

On August 13, the daily safety theme was to be aware of traffic when crossing the highway. Weather forecast was cloudy. AT SF 142 and km 223+600, not mobbed in for the heritage sensitive area. Access crew were building ramp and moving topsoil at km 218+400. At SF 136, grading and stripping was being done. At SF 123, hydro vac and crews were setting up ramp. At SF 122, hydro vac was day lighting the existing Enbridge pipeline (km 196+346). The access crew laid swamp mats on Sasktel lines at km 196+407. After day lighting is complete, access crew will build ramp over Sasktel lines. At SF 126, access approach is completed and crews were blowing off dirt from excavator at the wash station. Tractor was mowing canola. Track bore was at km 161+000, the excavators started to dig bore pit on the south side of Enbridge lines. Track bore pit will be set up in track bore machine once completed. At km 165+100 aqua dam is being installed. At SF 118, bridge construction and welding was taking place. At SF 102, two dozers and excavators were working. Two dozers and track hoe were working at km 172+100. Bore crew were setting up, mechanic was servicing side boom, picker with mats on site and track hoe was digging out bore pit at SF 94 and km 161+100.

On August 14, the safety theme was wildlife awareness. Weather forecast was sunny. At SF 102, two excavators and dozers were working at km 172+000. Meridian survey was at km 171+000. At SF 118 the crew was working east of the wetland, they were welding an extension pipe to the screw piles and sinking them in deeper; and bridge construction was still underway. Goal posts for high voltage area were set up between SF 118 and 119. Medcor services were located at SF 121. Welding and construction was of bridge at km 193+100. At SF 122, a D6T cat dozer was levelling the ramp that was built over the Sasktel lines at km 196+407. Excavator was stripping topsoil on the south side of Sasktel lines. The excavator and dozer continued to strip the east side of ROW. AT SF 124, topsoil stripping on the east side of the road to the power line buffer. At km 197+427, top soil stripping at the access approach. The crew needed to place swamp mats over the Sasktel lines to finish the access ramp. At Larry Hills (SF 126) crews were stripping topsoil, so that the crews could use seconds to build access approach. After ramp completion the D6T kept stripping. Meridian survey and mechanic were onsite. Hydro vac was day lighting exposed hotlines. Wash station was built at km 200+900. At km 201+452, stripping took place at the TENINE Energy crossing. Swamp mats were places over hot line crossing, and then the ramp was built over the mats. At SF 136, grading and stripping were taking place. At SF 201, no swathing or stripping has taken place. At SF 142 and km 223+600, the heritage site, equipment hasn't been mobbed in. Access crew was building ramp and moving topsoil at km 218+400.

August 15, the safety theme was making sure that all member of tailgate meeting have a proper understanding of what is being discussed. Weather forecast was sunny with a special air quality warning for this area. The monitors had a discussion with the NEB, they talked about how they determine what areas they visit daily and the reporting process. Four hoes and two dozers were stripping at SF 91. The heritage site at SF 92 was swept. Canadian North and Meridian survey were doing some work on the Native Prairie at km 150+900 to 158+500. At SF 94, bore crew was setting up; proper procedures for pumping water and PPE were noted. Crews were pumping water at km 161+100. At SF 97, monitored the aqua dam crew. AT SF 107, crews were wacking weeds. At SF 110, the access crew were moving rig mats around and building a ramp for hotline crossing. At SF 112, dozer and backhoe were pushing dirt. At SF 118, extended screw piles were on the east end, and on the west end screw pies were completed. At SF 137, stripping and pipe being set up on the ground to the culvert for drainage; and geotec was laid over pipe. AT SF 107, crews were sweeping and cutting weeds at wetlands. Flags were used by the access crew as the dozer was crossing the municipal road at km 182+000. At SF 142, the Heritage Site (Poundmaker FN), equipment has not been mobbed in.

August 16, the daily safety theme was keeping an eye out for new hires, help to teach them about safety culture and be your brother's keeper. Also be aware of air quality due to wildfires. The weather forecast was sunny, with poor air quality warning. At SF 137, the Native prairie (sensitive area), two dozers and one excavator was stripping grass, the monitors walked the area to check spill piles. The crew was stock piling the topsoil of the Native prairie on the bottom of the hill along the buffer for drainage. Crews started to strip transition soils. At SF 136, success crew was finished stripping soil and completed the ramp over the hotlines at km 216+300. A silk fence was built through the wetland with culvert for drainage (km 219+400). Swathing of fields at SF 129 and 128. At SF 127 and km 202+600, dozer and backhoe were stripping on ROW. Work was still being done on the dam at SF 97. Track bore crew was working at km 161+000. Bore pit had been dug and the track bore machine was placed inside. Rig mats were and clear stones were placed at the bottom of the ditch due to water seepage at the bottom of the pit. The crew had the bore machine set up and ready to bore by the end of the day.

August 17, the safety theme was congestion on the ROW, and to be aware of surroundings during this time. Use a spotter if possible. The weather forecast was hazy with poor air quality. At SF 89, welding bore section crew picked up all the welding rods as well as garbage. At SF 90, bell hole was being dug for bore. At km 165+100, aqua dam is still being completed. At SF 93, excavators and dozers were stripping the ROW and grading, cleaning station needs to be set up at this location. At SF 110, excavator was stripping the ROW. At SF 92, stringing heavy wall for bore at km 150+000. At SF 114, topsoil and transition spill piles were scanned in the Native Prairie. They were stripped from a heritage sensitive area. Two ramps were built, one at Sasktel line (km187+475), and the second was over the natural drainage at km 187+604. Nothing of cultural significance was found in the area. The access crew built a ramp over the

TENINE Energy line at km 188+637. Another access ramp was built at SF 115, the Sasktel line crossing. Excavator and dozer continued to topsoil to the next line crossing at km 189+552. Hydrovac daylighting on the two line was getting prepared to lay down geotec and swamp mats, to build the last access ramp in the organic area. At SF 127, working and stripping and access crew working east. At 128, crews were stripping topsoil and crews were laying geotec on the west side of the road to build access approach. At SF 137, D8T and D6T were finishing access road on the east side of the drainage. A grader was stripping a path on the topsoil from km 219+600 to the end of the cultivated land at km 220+634. Crews were hydro vac daylighting the Sasktel line on the west side of SF 139 (km221+187) and lighted a Sask power cable at km 221+172. When hydro vac moved out of the area, excavators and dozers started to strip topsoil from the buffer west.

On August 18, the safety theme was driving conditions and air quality. The weather forecast was cloudy and smoky. Bell hole digging was taking place at SF 90. At SF 92, four dozers were being washed at washing station, before entering sensitive area. At 93, grading was being done, and monitored east side of native Prairie at km 157+700. At SF 94, boring resumed and the excavator was digging the catch pit. At SF 137, access continued and was working east. At SF 139, stripping and grader were starting and working west up the hill. Also, one excavator dug up a telephone cable and a piece of flagging tape was on the topsoil. Line locators came onsite to sweep the area to determine if the items were garbage. The line locator detected another signal at km 221+143 and the crew dug it up with a shovel and excavator. The locators onsite hooked up the line locating machine to send signals to find other lines, it was determined that the second line was abandoned. At SF 129, monitored the construction of access approach being built on the north side. Crews were stripping topsoil from SF 128 access approach from km 204+500 to km 204+786; the labourers were laying geotec on the shoulder of the ditch, and started to build the access approach. At km 204+815, excavator was stripping topsoil away from existing Enbridge buffer. At SF 124, access ramp was being built; and topsoil was stripped from the Sasktel buffer line. The crew laid geotec on the ground and then rig mats across the line. The excavator proceeded to build the ramp. AT SF 114, grader was stripping topsoil away from existing Enbridge buffer.

The location of these features was documented and photos were collected (see below). No additional cultural or environmental features were observed within the scanned areas.

Photos of Sites Visited & Topics Discussed This Week



Bore pit and track bore machine – km 161+000 – Aug 13, 2018



Aqua dam bags – km 165+100 -Aug 13, 2018



Spotter assisting track hoe - Km 218+ 400 – Aug 13, 2018



Digging bore pit – km 161+090 – Aug 13, 2018



Excavators stripping top soil on ROW - Km 218+ 988– Aug 13, 2018



Digging slip bore pit – km 161+000 – Aug 13, 2018



Wetland - Km 206+300 – Aug 14, 2018



Biosecurity – km 171+300, Aug 14, 2018



Wash station – km 200+900 - Aug 14, 2018



Building ramp and soil removal – Km 201+350 – Aug 14, 2018



Stripping topsoil – SF 124 – Aug 14, 2018



Men at work – km 195+620 – Aug 14, 2018



Bore hole pumping water – km 184+005 – Aug 15, 2018



Native prairie sensitive area – km 150+900 – Aug 15, 2018



Pumping water - km 161+100 – Aug 15, 2018



Weed wacking - km 178+200 – Aug 15, 2018



Access ramp before dirt put - Km 219+500 – Aug 15, 2018



Ramp built over Sasktel lines– SF 124 – Aug 15, 2018



Native prairie being stripped – km 259+500 – Aug 16, 2018



Track bore set up – km 161 + 000 – Aug 16, 2018



Dozer and excavator stripping – km 202+600 – Aug 16, 2018



Silk fence – km 187+600- Aug 16, 2018



Side boom unloading wall – km 150+000 – Aug 17, 2018



Dozer cleaning at wash station - 150+850 - Aug 17, 2018



Installing access ramp over Sask Power line – km 187+600 – Aug 17, 2018 Access crew stripping topsoil – SF 139- Aug 17, 2018



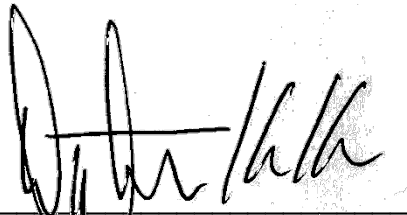
Enbridge and OJ crew doing sweep on abandoned line - Aug 18,2018 Access approach being built – SF 129 – Aug 18, 2018



Stripping on Native Prairie - km 151+900 - Aug 18, 2018

Mechanic working on hydraulic hose– km 158+300 - Aug 18, 2018

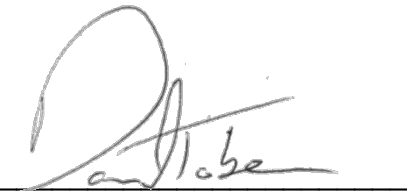
APPROVALS



Drayton Kasokeo
Senior Construction Monitor

August 23, 2018

Date



Daniel Tober
Senior Environmental Scientist

August 23, 2018

Date