

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

**ABORIGINAL CONSTRUCTION MONITORING**

**WEEKLY REPORT**

**SPREAD 1**

**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 Aboriginal Monitors that are working on spread one. 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 10<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	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

Attended daily safety meetings and discussed daily scopes each morning with the Contractor Liaison, Mel Abraham and/or the Senior Construction Monitor, Wennell Swampy. Additionally, the crew attended scheduled midweek meeting with Eric Foster from Matrix Solutions.

Weekly activities included spot-checking km 25,27,29,32-36,39-45,50-52,54-59, ; and shoofly 7,17,18, 20-23,25,27-39,46-48,71,88.

On September 10, the safety meeting covered left over debris on the ROW. Weather forecast was mainly sunny. At SF 36, dozer and excavator roach removal was observed. At SF 34, there was an open trench with a secured ladder (hydro testing), and utility crew was working on signage. AT SF 33, crews were fixing fences, ropes and ribbon; also, skidsteer general clean up was taking place. Excavators and dozers were shaping and decompacting at SF 31. Muddy conditions were reported on the ROW, due to rain. At SF 25 and 22, equipment and crews were shut down, due to rain. At SF 23, wood debris/flume and rig mats were piled at access. At SF 21, geotec material and stakes were piled and ready for disposal. At SF 20, mechanical clean up station was set up. At SF 17, mechanic was servicing side boom and hydro testing was in progress.

On September 11, the safety theme was being cautious when crossing paved roadways and also ensure that mud is sprayed off of tires. Weather forecast was partly sunny. At SF 36, crews were fencing. At SF 34 and 35, lowboy was transporting skidsteer, and flaggers were doing traffic control. At SF 35, rough clean station was set up and dozers were delivered to ROW. At SF 34, excavator was spreading out seconds, skidsteer was off loading matting from flat deck and survey crew were working. At SF 32, dozers were decompacting soil, and graders were levelling. At SF 31, Marooka was unloading wood debris from ROW, and grader and dozer were levelling. At SF 30, excavator was narrowing the access, geotec and ramp were being removed, and excavator and dozer were spreading subsoil. Additionally, dozer was decompating with ripper down on ROW. At SF 29, crews were removing geotec from wetland. Utility crew were picking and piling geotec, crews were cleaning equipment and excavator was loading rock truck with rock at SF 28. At SF 27, crane and lowboy were loading bridge support. Area was congested, but spotters were present, and proper safety measures were noted. Mechanical clean station was set up, and utility crew were performing work on the Native Prairie. At SF 25, there was limited access to the site, as roads were saturated and muddy. Cultivator was loaded and transported out, and excavator was piling geotec. Crew bus was parked at the access road. At SF 21, crews were on standby, and ROW was shut down due to rain. At SF 17, hydro testing was still in progress.

September 12, the daily safety theme was to ensure vehicles are inspected every morning. Always check windshields (visibility), headlights and taillights. The weather forecast was light rain. Rare plant area was visited and walked on at SF 38. At SF 37 and 35, grader was shaping transition. At SF 36, excavators were working on ROW. At SF 34, two excavators were bailing subsoil out and roughing it in. At SF 32, subsoil was being replaced. At SF 31, discer and dozer were decompacting, dozer and excavator

were shaping subsoil, and excavators were loading dump truck with rock. At SF 30, marooka and excavator were picking up rock and debris, and tractor discing was taking place. Cleaning station was set up, and marooka was unloading rocks at km 43+600. At SF 29, excavator was removing geotec and ramp at the wetland. Oilers were piling geotec, and excavator was loading rock truck with ramp material. At SF 28, excavators were working on ramp removal at the wetland, haul truck was being loaded by excavator, and dozer was blending material on ROW. At SF 27, utility crew was rough cleaning the excavator and tractor with discer arrived on ROW. At SF 25, access road lowboy was dropping off trailer flaggers on hi-way for traffic control, and rough clean on dozer and excavator was taking place. At SF 23, skidsteer was loading dump trailer with wood debris, crew truck and dump trailer were hauling wood debris for disposal. At SF 22, crane was loading flumes, and flaggers were on traffic control. At SF 7, survey crew was at the access road.

September 13, the safety theme was to be cautious of wet conditions when driving. The weather was cloudy with light rain. At SF 18, wattles were in place along wetlands. At SF 20, utility crew was installing wattles at wetlands, and crew bus was parked at the access road. At SF 21 and 22, access road mats need to be removed. At SF 22, surveyors were on ROW. At SF 23, access road wood debris and flumes were removed. At SF 28, lowboy was hauling bridge support from ROW, crane was loading bridge onto lowboy (km 39+600), utility crew was hauling geotec (km 40+100), and ramp removal. At SF 29, wetland material removal, crews were pulling geotec, excavator was loading rock truck with ramp material, and dozer was spreading ramp material and subsoils. At SF 30, discer/tractor rock pickers were on ROW, mechanic was servicing marooka, and crews picking up skidsteer on trailer and removing it from ROW. At SF 31, grader and dozer were shaping subsoil. At SF 32, excavator was removing wood debris from topsoil, and loader was back blading. At SF 34 and 35, lowboy was delivering excavator, and utility crew were on the road for traffic control. At SF 35, excavator and dozer were shaping and decompacting. At SF 36, dozers were shaping subsoil. At SF 39, utility crew was working on signage on roadway. At SF 48, medics were onsite.

September 14, the safety theme was changing weather, and 3 point 1 contact when getting in and out of heavy machinery. The weather forecast was mainly cloudy. At SF 47, dozer and excavator roach removal. At SF 37, spotters were observed as lowboy was loading excavator. At SF 36, the ROW was scanned from km 59+000 to 600. Utility crew was loading wattles off of ROW. At SF 33, excavator was being offloaded for cleaning, and dozers were shaping subsoil. At SF 32, excavator was being offloaded, and dozer was shaping subsoil. At SF 31, grader shaping and decompacting subsoil on ROW, and excavator was narrowing the ROW access. At SF 30, tractor was harrowing. At SF 29, crews were picking geotec and piling, two excavators were working on wetland ramp removal, and dozers and graders were levelling on ROW. At SF 28, grader was shaping and decompacting subsoil on ROW, and ramp removal is complete. At SF 27, dozer was working subsoil from ramp removal. At SF 25, dump truck was being loaded with rocks. At SF 23, rock pickers were on ROW. At SF 22, skidsteer was unloading wood debris and utility crew was picking wood debris on ROW.

On September 15, the safety theme was maintaining patience at work and fatigue on the job. The weather forecast was partly cloudy. At SF 23, crews are on standby due to rain, and later shut down. At SF 28, equipment was at a standstill due to rain. At km 39+000 to 40+000, grader was levelling on ROW, and excavator was pulling subsoil. At SF 29, dozer was shaping subsoil, but the ROW was muddy. At SF 31, excavator and dozer were working on subsoil. At SF 34, medics were onsite. At SF 35, wetland removal was in progress. At SF 36, grader and dozer were shaping subsoil, and tractor/discer was on standby. Rain day was declared in the afternoon.

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.

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Photos of Sites Visited & Topics Discussed This Week



Dirt crew working subsoil on ROW – SF 31 -Sept 10,2018



Wood debris and fume – SF 23 - Sept 10, 2018



Crew fixing fence and goal posts – SF 33 - Sept 10, 2018



Excavator and roach removal – SF 36 – Sept 10, 2018



Excavators shaping and decompacting – SF 31 – Sept 10, 2018



Open trench with secured ladder– SF 34 – Sept 10, 2018





Utility crew rough cleanign dozer - SF 27 - Sept 11, 2018



Ramp removal - SF 31 - Sept 11, 20



Crews removing geotec from wetland- km 41+200  
Sept 11, 2018



Skidsteer removing matting from flatdeck – SF 34  
Sept 11, 2018



Crane loading bridge brace – km 40+100 – Sept 11, 2018



Flagging for traffic control – SF 34&35 – Sept 11, 2018





Excavators on subsoil – km 55+250 – Sept 12, 2018



Wetland ramp removal – km 41+200 – Sept 12, 2018



Crews cleaning excavator and dozer- SF 25 - Sept 12, 2018



Rare plant area – SF 38 – Sept 12, 2018



Excavators working on ramp removal – km 41+200 - Sept 12, 2018



Marooka unloading rocks km43+600 – Sept 12, 2018



Loading of bridge material – SF 28 - Sept 13, 2018



Dozers putting cuts and shaping subsoil – SF 36 – Sept 13, 2018



Dozer shaping and contouring subsoil – SF 36 - Sept 13, 2018



Crews removing bridge at wetland – km41+200 – Sept 13, 2018



Flumes rig mats/wood debris removed - SF 23 – Sept 13, 2018



Discer and tractor/rock picker – km 42+700 – Sept 13, 2018





Skidsteer unloading wood debris– km 32+600 – Sept 14, 2018



Grader cutting and bulking clay – km 59+000 - Sept 14, 2018



Roach removal and pulling subsoil– SF 47 – Sept 14, 2018



Excavator wetland ramp removal – SF 29 - Sept 14, 2018



Grader shaping subsoil– SF 35 – Sept 14, 2018



Wetland ramp removal – km 56+600 - Sept 14, 2018



ROW wet and muddy due to rain– SF 29 – Sept 15, 2018



Dozer working on subsoil – SF 36 - Sept 15, 2018



Dozers shaping subsoil and contouring – SF 29 – Sept 15, 2018



Grader levelling ROW – SF 28 – Sept 15, 2018



Mechanical clean station – SF 35 – Sept 15, 2018



Dozers shaping subsoil – SF 36 –Sept 15, 2018

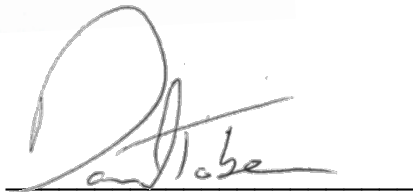
**APPROVALS**



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Monitor

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September 21, 2018

Date



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Daniel Tober  
Senior Environmental Scientist

\_\_\_\_\_  
September 21, 2018

Date