

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

ABORIGINAL CONSTRUCTION MONITORING

WEEKLY REPORT

SPREAD 1

AUGUST 13TH TO 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 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 August 13th to 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	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 2,4,8,10,13-21,25,36,37,39 and shoofly 2-18,27-29.

On August 13, the safety meeting covered slips, trips and falls. Light drizzle on the ROW, slippery surfaces; thus, appropriate footwear must be worn. Ensure that machine operators perform 3 point 1 contact when exiting machines. Weather forecast was overcast. At SF3, no activity due to rain in the morning, and a field meeting was taking place onsite. From SF 4 to 7, rocks and wood debris was piled at entrance and ready for disposal. At SF 7, Clint's crew were rock picking. At SF 8 there was no activity. A tractor was cultivating at SF9 and km 13+100. A bobcat was loading rock into the loader, removal of rocks for disposal. Additionally, skid steer with general clean up, tractor discing, and all signs were removed. Equipment crossing was observed at SF 13 to 14. Labourers were rock picking and rock picker was on the ROW at km 17+600. Grader and dozer were spreading subsoil at km 17+700. At SF 10, dozer and excavator was putting topsoil back. Tractor was cultivating the ROW at km 14. Excavator was putting topsoil back onto ROW at km 14+200. Excavator was moving tractor equipment across road, tag lines, flaggers and sign covers were removed. At SF 11 and km 16+500, rock pickers, tractor with harrows and compacting testing were taking place on the ROW. Also, tractor ripping, dozer pushing rocks to the edge of ROW, and another excavator was levelling the ground with matting. At SF 15, grader was levelling the ROW, cleaning roach (km 19+600), roller was packing the ROW and packer moved across the road at km 19+700. Swept the ROW from km 20 to 21. Work forecast: top soil being put back, continue subsoil clean up, removal of roach for compaction, discs with tractors, power line markers, haul trucks, general clean up, rock picking, hauling and disposal of rock, utility clean up, picking up wood debris from the ROW. Clean up after final grade. Fencing, seeding and crimping, and setting up wash stations. Mark and remove marking of bird nesting sites.

On August 14, the safety theme was hidden hazards that are left behind from construction. For example: skids, dormant areas on the ROW, sandy areas, and hydro vac holes. Be aware. Weather forecast was sunny. At SF 1 and km 2+500, straw crimpers, bale busters and labourers were spreading straw on the ROW. At SF 3 tractor seeding, and a tractor was spacing bales with a bale buster. Seeder was moving on the ROW at km 4+500 to 100. A tractor was hauling and lining up bails and crimping was taking place at km 2+500. At SF 5, harrowing, seeding, wattles were being put on for wasteland barriers; however, more work needs to be done in the area. At SF 8, tractor with bucket picking up wood debris and rock picker crew on ROW. The Utility crew was collecting wood debris, and a bobcat was loading and unloading debris, and general clean up at SF9. Fencing debris and wash station trap at the entrance, and skid steer

was picking up debris. At SF 10, a tractor was harrowing. Dust control was taking place between SF 8 to 11. Rock piles were ready for disposal and Utility crew was picking rock and wood debris at km 10+200. Additionally, a tractor was collecting and disposing of rock debris. At SF 11, excavator crossing, dozers and excavators were working topsoil and spreading at km 16+300 and km15+900. Discing, rock picking and harrowing were taking place at km 19+500. AT SF 14, tractor was pulling spike, crews were rock piling, rock picker, excavators bailing out tans and dozer levelling all taking place. At SF 15, grader levelling, roach removal (km 19+550), compacting (km20+100) and discing (km 19+600). At SF 16, grading and tilling of sub soil and hydro testing crews were onsite at SF 17. Work forecast: top soil being put back, continue subsoil clean up, removal of roach for compaction, discs with tractors, power line markers, haul trucks, general clean up, rock picking, hauling and disposal of rock, utility clean up, picking up wood debris from the ROW. Clean up after final grade. Fencing, seeding and crimping, and setting up wash stations. Mark and remove marking of bird nesting sites.

August 15, daily safety theme was to be aware as daylight hours are changing, traffic harvest is in season; additionally, school will resume shortly. Weather forecast was hazy with a heat warning. At SF 2, straw crimping is complete. At SF 3, two tractors were crimping on ROW; bale buster moved across the road for straw throwing. AT SF 4, bale busters were spreading straw on ROW; and, seeding was taking place at SF 5. Harrowing with buggy's on, topsoil was using rocks for weight at SF 7. AT SF 8, a grainery truck was speeding through a construction zone, and speed limits were posted. At SF 9, fencing debris is still at the entrance off of the roadway. At SF 10, dozers were spreading soil (km 16+000 to 300) and being serviced. At SF 11, dozer was spreading topsoil (km16+900) and topsoil has been replaced, and an excavator was pulling the access ramp. At SF 12, three excavators and six dozers were taking down topsoil and spreading it out (km17+500). At SF 14, loader was piling rocks, and another was loading rock truck for gravel pit disposal. Crews crossed two dozers and two excavators on the highway. At SF 15, rock pickers (km19+500) and utility crews were picking up rocks (19+500), mechanic was servicing the dozer (km 19+600), harrowing (km 19+600) and grading (km19+800) on the ROW. At SF 16, crews were rock picking, tractor was pulling spike and tractor ripping was taking place. At SF 18 and km 25+000, grader and excavator was working on sub soil. Work forecast: top soil being put back, continue subsoil clean up, removal of roach for compaction, discs with tractors, power line markers, haul trucks, general clean up, rock picking, hauling and disposal of rock, utility clean up, picking up wood debris from the ROW. Clean up after final grade. Fencing, seeding and crimping, and setting up wash stations. Mark and remove marking of bird nesting sites.

The following day, the safety theme was smoke and fog, drive with caution, slow down and keep a safe distance from traffic. The weather forecast was hazy with a smoke warning in effect. Straw crimping was shut down for the day and seeding on ROW at SF 5. At SF 18, grader was working on subsoil – km 25+750 and km 20+800. At SF 16, rock picker tractor and drum roller was on ROW (km 19+750), loader was piling rocks and mechanic was working on packer. Swept SF 14 to SF 9. Utility crew was picking rocks and separating woodpiles; and bobcat was loading and disposing piles at km 10+200. At SF 7, side by side harrowing on ROW (km8+150), and harrowing taking place at km 20+500. At SF 10, mechanic was servicing equipment at the entrance. At

SF 11, tractor was at work and ripper was being hooked up. At SF 14, three dozers were spreading soil, and harrowing at km 17+700. At SF 15, a crew truck was observed high centred pulling onto the ROW, dozer arrived and to pull the truck out. At km 19+600 a dozer was spreading soil at ROW access, and a dozer was dumping rocks. At SF 17, one dozer roach removal, one excavator roach removal and one packer were on the ROW. At SF 27, survey was onsite, and at SF 29 dirt piles were scanned. Work forecast: Top soil was being put back, subsoil clean up, removal of roach for compaction, discs with tractors, power line markers, haul trucks, general clean up, rock picking, hauling and disposal of rock, utility clean up, picking up wood debris from the ROW and mark bird nesting sites. Cleaning equipment at wash stations.

August 17, the safety theme was insect awareness especially with wasps and bees. The weather was hazy with poor air quality. At SF 28 and km 39+900, monitors walked the ROW, picked up garbage, noticed many frogs on the ROW, and fixed the rope by the hotline. At SF 27, packer excavator and dozer removal of roach and compaction (km 39+000). At SF 17 and km 21+650, hydro testing, also possible smart pigging; and rock pickers on ROW. At SF 16, and km 19+675, rock picker and utility crew, loader was filling gravel truck for disposal. Harrowing taking place at km 19+800. At SF 15 and 14, dozer and excavator were spreading subsoil; also dozer back blading and oiler was fixing the fence to the ramp. Rock pile and wood debris noted at SF 11. Crews were picking rocks with skid steer at SF 8. Straw crimping and seeding were shut down for the week. Work forecast: Top soil was being put back, subsoil clean up, removal of roach for compaction, discs with tractors, power line markers, haul trucks, general clean up, rock picking, hauling and disposal of rock, utility clean up, picking up wood debris from the ROW and mark bird nesting sites. Cleaning equipment at wash stations.

On August 18, the safety theme was communication, to share detailed information on work plans with foreman's/supervisor's/co-workers. The weather forecast was smoky and poor air quality. At SF 27, dozers and excavators working on roach and compaction (km 36+700). At SF 18, tractor harrowing (km 25+150) and grader and harrow breaking up subsoil, contouring and decompacting (km 25+550). At SF 17, crews were blowing down pipeline (venting), grading subsoil and dozer and excavator spreading second subsoil. Excavators and dozers were moving topsoil back onto ROW at km 20+900. At SF 16, transport truck transporting rig mats and haul trucks were disposing rocks. At km 16+675, loader filling gravel truck with rock for disposal and grading subsoil. At SF 15, dozer and excavator were levelling, grader was levelling and loader was piling wood debris. At SF 14, utility crew was doing general clean up, picking up old machine wash station material for disposal. Excavator was spreading topsoil back on ROW at km 17+600. A crane was removing rig mats off of access at SF 11; utility crew traffic control. At SF 9, rock truck was being loaded with wood debris, wood debris were piled at access, crews were loading tracked dump truck with rock and dumped at access. At SF 11 and 12, excavator was levelling topsoil, dozer was levelling and crews were loading the dump trailer. At km 16+100, removal of rig mat, crane and lowboy utility traffic control. Work forecast: Top soil was being put back, subsoil clean up, removal of roach for compaction, discs with tractors, power line markers, haul trucks, general clean up, rock picking, hauling and disposal of rock, utility clean up, picking up wood debris from the ROW and mark bird nesting sites. Cleaning equipment at wash stations.

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


APPROVALS



Wennell Swampy
Senior Construction Monitor

August 23, 2018

Date



Daniel Tober
Senior Environmental Scientist

August 23, 2018

Date