

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

ABORIGINAL CONSTRUCTION MONITORING

WEEKLY REPORT

SPREAD 1

OCTOBER 16TH TO OCTOBER 22ND

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 have been summarized for the week of October 16th to October 22nd, 2017.

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)	Several	Located at 21km+600, 29+50, 32km+450, 32km+150, 36km+100, 37km+800, 45km+200, 60km+800, 60km+810, 61km+650, 75km+750, 75km+975, SF36,SF37, 92km, 97km+200, 97+600		No
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	2	97Km+600, 45km+200		
Watercourse Crossing	2	97km+600, 45km+200		

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, Virgil Deschamps.

Weekly activities included spot-checking Shoofly 1-24, km: 30 (shoofly 22), 36 (shoofly 26), 37,41, 45, 46, 48, 57,60-63,75 (shoofly46), 80, 84,85-97, SF36 and 37.

This week's activities commenced with a visit to km 85+100 to observe the stringing crew unload pipes. On October 16, an unsafe act was identified when a crew member walked under a loaded trailer while the foreman was present. When the issue was brought to the attention of the foreman, he said that as long as the truck isn't moving that it is okay to cross under loaded trailers. At Km 36+100, boring crew was preparing to lower pipe/bell hole work identified in the area. Native prairie was identified at Km37+800, and at Km60+800 (shoofly 37), welds testing was observed. Ended the day by monitoring the welding crew at 61+650.

At Eye Hill Creek (km97) there's on going bridge construction, as well as driven piles (97km+200) being installed. At SF37, welds testing activities are in progress. There is a great deal of activity happening at Km62/63, such as NDT testing and welding. Boring activity is continuing along shoofly 39.

On October 18, monitored bending crew activities at Km57+100 and 75+750 (shoofly 46); additionally, viewed the bending crew machinery cross the highway. Bending crew activities consisted of side booms picking up pipe, inserting it into the bending machine, followed by putting bent pipe back onto skids. At shoofly 26, booms laying pipe in bore hole. Again, native prairie identified at Km30+500-580. At Km32+650, ditcher activities are taking place. The monitoring crew observed a distinct liquid nearby transition piles, later got confirmation from the Environmental Coordinator of a tackifier at km32+150. At km80+200, engineering team was scheduled to arrive as bending crew activities were completed.

The monitoring crew had two visits this week. Firstly, Blaine Yohemas from Construction Quality Assistance, and photographers accompanied the team. They took pictures of the Aboriginal Construction Monitors on the right-of-way. Activities for the day (October 19) included viewing the pipe laying crew at location km29+50 as well as looking at bell hole activities at Km33+950.

The following day, Dan Tober and Eric Foster from Matrix, Elder Josephine Buffalo and Sherina Crier from Samson Cree Nation came to meet the Aboriginal Construction Monitors for a site visit of Spread 1. Elder Josephine pointed out a historical Buffalo Pound close to kick off (shoofly 1). She shared many interesting stories and hopes to revisit for a more thorough site visit to view Buffalo bones and other work sites along Spread 1. The monitoring crew showed the visitors tie-ins at shoofly 17, pipe laying at shoofly 21, and the ditcher at Km41 (shoofly 24).

The week wrapped up with a visit to Km45+200, in which soft “hazardous” sand was identified. Both Wennell and Virgil’s trucks got stuck, Rory from Coating Crew Straw helped with getting the trucks out of the sand. While at the location, the crew viewed the removal of the damaged aqua dam (resulting from a shooting incident). Drove on the right-of-way and viewed welded pipe on skid piles. At shoofly 26, pipes are in the ground and backfilled.

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



1. Stringing Crew –Location 84km+800 – Oct 16,2017



2. Welding Crew – Location 61+650 – Oct 16, 2017



3. Stringing Crew – Location 84km+800 – Oct 16, 2017



4. Stringing crew – Location 84km+800 – Oct 16, 2017



5. Boring – Location 36km+100 – Oct 16, 2017



6. Driven Piles – Location 97km+200 – Oct 17, 2017



7. Takifier – Location 32Km+150 – Oct 18, 2017



8. Ditcher Located 32km+650 – Oct 18, 2017



9. Bending Machinery/ Highway crossing – Location – 75km+750 - Oct 18, 2017



10. Laying pipe – Location Shoofly 26 – Oct 18, 2017



11. Bending Crew – Location – 75km+975 – Oct 18, 2017



12. Ditcher – Location – 32km+450 – Oct 18, 2017



13. Bridge installation – Location 97+600 – Oct 19, 2017



14. Laying in pipe – Location 29km+50 – Oct 19, 2017



15. Welding in ditch – Location – 21km+600 – Oct 19, 2017

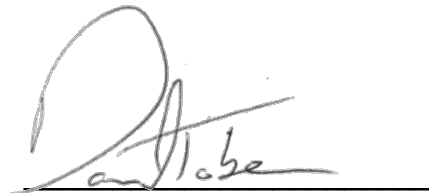
APPROVALS



Virgil Deschamps
Senior Construction Monitor

October 27, 2017

Date



Daniel Tober
Senior Environmental Scientist

October 27, 2017

Date