

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

INDIGENOUS CONSTRUCTION MONITORING

WEEKLY REPORT

SPREAD 8

SEPTEMBER 4TH TO SEPTEMBER 8TH

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 eight. 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 4th to September 8th, 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

Weekly activity included continue to check access points on the ROW and checking SF 37, 37A, 38, 38A, 39, 40, 40A, 41, 42, 43, 43A, 48

September 4, 2018 - Safety included: Slips, trips, falls, driving conditions, Congested sites, Wildlife, Distracted driving, Fatigue. Stay 2x the length of tree being cut for safe distance. Watch for farm equipment on roads, Watch for dust up on dirt roads. Stay 100ft away from Mowers. Stay back 150M from mechanical logging equipment. Watch out for Busses on rural roads and school zones. Watch out for vehicles in uncontrolled intersections. Weather forecast/Environment: Sunny high of 29. Fine clean and bleach when entering a new RM or land owner requested wash. Crews were instructed to assess the ROW before entering site. Junior monitors sent to continue monitoring construction at Culturally sensitive area SF38 (KP975). SF 37 Top soil stripping taking place. Dozers stripping the ROW and piling soil on the Southern side of the ROW. Grader followed behind as the dozers moved along. Spotters were standing on piles to let operators know when to stop pushing soil so they do not exceed the boundary line. Boundary line were checked once site was less active, no top soil piles exceeded boundary line. SF39 Approach installation taking place. Excavator stripped the top soil in preparation for approach installation. A spotter was used to assist with the stripping of the boundary lines and edges of the field. SF 38 Approach installation taking place. Enbridge EI arrived onsite and informed the crew that the wrong soil was used to build the approach. The crew removed the improper soil from approach and installed the proper soil. SF 37A Equipment cleaning was taking place. Crew members worked to clean the tracks and big clumps of soil off the dozers. Once completed the equipment was sprayed down with compressed air. Environment team onsite.

Work Forecast: Continue to monitor wetland habitat, water crossings, traditional and cultural land use areas. Check boundary lines on the ROW

September 5, 2018 – Safety included: Slips, trips, falls, driving conditions, Congested sites, Wildlife, Distracted driving, Fatigue. Stay 2x the length of tree being cut for safe distance. Watch for farm equipment on roads, Watch for dust up on dirt roads. Stay 100ft away from Mowers. Stay back 150M from mechanical logging equipment. Watch out for busses on rural roads and school zones. Watch out for vehicles in uncontrolled intersections. Weather/Environment: Sunny high of 19

Fine clean and bleach when entering a new RM or land owner requested wash. Junior monitors sent to monitor construction at culturally sensitive area (SF38, KP 975) SF 48 Top soil stripping taking place adjacent to the St Leon station on the east side of the road. Excavators were stripping the edges of the ROW. Dozer was onsite waiting to pile soil on the southern side of the ROW. SF 41 Hwy 23 crossing. Crew was mobilizing two excavators and one dozer across the highway. Flaggers were in place to stop traffic, wearing the appropriate PPE. Geo cloth, Wood, and tires were laid out and used for the equipment to cross. SF40 (KP977+752) A unfinished traditional tool was found when

doing site was being swept (See attached photo). Enbridge E.I was called to stake off area and to call Golder Archaeologist. Once onsite Archaeologist took photos of area and documented the location. Object was tagged and placed into a bag to be removed from site for further investigation. Top soil piles were visually inspected to search for any other signs of traditional or cultural objects. None were found. Elder Dave Scott from Swan Lake First Nation contacted, and he wanted to view the object if Golder was okay with the viewing. Elder Dave Scott determined that it could be unfinished tool, possibly a tethering stone.

Work Forecast: Continue to monitor wetland habitat, water crossings, traditional and cultural land use areas. Check boundary lines on the ROW. Monitor SF 38 and SF 40

September 6, 2018 - Safety included: Slips, trips, falls, driving conditions, congested sites, Wildlife, Distracted driving, Fatigue. Stay 2x the length of tree being cut for safe distance. Watch for farm equipment on roads, Watch for dust up on dirt roads. Stay 100 ft away from Mowers. Stay back 150M from mechanical logging equipment. Watch out for busses on rural roads and school zones. Watch out for vehicles in uncontrolled intersections. Weather/Environment: Sunny high of 21.

Fine clean and bleach when entering a new RM or land owner requested wash.

Junior monitors sent to monitor construction at culturally sensitive area (SF38, KP 975) SF 40 (KP978) Bridge installment was taking place at a creek. Excavators prepping area for bridge installment. Rig trucks were in place on the East side of the creek to assist with the bridge being installed. Once bridge was put in place crew worked to build ramps to the bridge. Environment team onsite to monitor frogs. SF 38 (KP975) to SF 39 was swept for signs of traditional and cultural objects/tools, none were found. Boundary lines were also inspected; no soil exceeded the boundary line. SF 39 Approach installation taking place. Crew onsite laid out Geo-tech cloth on built approach. Gravel was brought in by tandem trucks. Gravel was spread out and compacted by excavator.

Work Forecast: Continue to monitor wetland habitat, water crossings, traditional and cultural land use areas. Check boundary lines on the ROW. Monitor culturally sensitive area SF40 and sweep SF 35 Cypress River crossing.

September 7, 2018 - Safety included: Slips, trips, falls, holes in certain places from badgers and other animals. Dusty roads. Sharp rocks steep slopes.

Weather/Environment: Mix of Sun and Cloud with a high of 19. Fine clean and bleach when entering a new RM or land owner requested wash. SF 40A (KP978+140) Top soil stripping was taking place. One dozer onsite site stripping soil and piling on the south side of the ROW. Bridge that was installed had the proper safety and environmental requirements in place. Safety rails on bridge were installed. Geo Cloth and silt fencing surrounding area are installed to prevent erosion. Top soil piles were inspected for any signs of traditional and heritage objects/tools, none were found. Boundary lines were inspected, all soil piles within boundary line limits. SF 43 (KP981+225) Top soil stripping taking place. Dozers onsite site stripping and piling top soil on the South side of the ROW. Once completed all five dozers waited on the access for flaggers to arrive. I called flaggers and informed them dozers needed to be crossed at SF 43. Once flaggers arrived traffic was stopped; and dozers proceeded into the next field.

Work Forecast: Continue to monitor wetland habitat, water crossings, traditional and cultural land use areas. Check boundary lines on the ROW.

September 8, 2018 - Safety included: Slips, trips, falls, holes in certain places from badgers and other animals. Dusty roads. Weather/Environment: High of 23C. Rain showers in some areas. Fine clean and bleach when entering a new RM or land owner requested wash. SF 42 Caterpillars pushing transition. SF43 Approaches finished, excavator piling topsoil, caterpillars stripping topsoil. SF 43A Approach installation taking place. Crew members assisted with laying out culvert in the ditch. CAEPLA cloth was placed on top on the culvert and the rest of the approach. Dozer worked to strip the ROW and pile soil on the South side of the ROW. Excavator placed and compacted soil on approach. SF 48 across from St Leon pump station an excavator was stripping the edges of the ROW in preparation for dozers to strip the ROW. SF49 (KP966+383) approach installation was taking place. Excavator and dozer worked to build the approach and strip the ROW. Excavator stripped the edges of the boundary line and piled soil for the dozer to place the soil onto the approach. Spotter was onsite assisting both the excavator and the dozer.

Work Forecast: Day off.

Photos of Sites Visited & Topics Discussed This Week



Sept4/18
Photo facing North - SF 39
Excavator stripping the edges of the ditch line



Sept4/18
Photo facing North West – SF 38A
Dozer removing the improper soil that was used for the approach



Sept4/18
Photo facing North East
SF 37A cleaning station
Dozer being sprayed with compressed air.



Sept 5/18
Photo facing South West – SF 41
Equipment crossing Hwy 23



Sept 5/18
Photo facing West
SF 40 (KP977+752) Near creek.
Photo one side of unfinished traditional tool



Sept 5/18
Photo facing West
SF 40 (KP977+752)
Photo of opposite side of unfinished Traditional tool.



Sept 6/18
Photo facing East
SF 40A (KP978)
Bridge being installed at creek crossing



Sept 6/18
Photo facing South East
SF 39
Gravel being laid out of tandem truck



Sept 6/18
Photo facing West
SF 39 West side of Hwy 34
Top soil piles within boundary line



Sept 7/18
Photo facing South West
SF 40A (KP978+140)
one dozer piling top soil on the South side of the ROW



Sept 7/18
Photo facing North West
SF 40A (KP978)
Bridge installed at creek crossing.



Sept 7/18
Photo facing West
SF 43 (KP981+225)
Dozers stripping and piling top soil.



Sept 8/18
Photo facing SE
SF 43A east side of road
Crew laying out CAEPLA cloth, dozer piling soil



Sept 8/18
Photo facing West
SF 48 West side of road across from St Leon station
Excavator stripping edges of ROW.



Sept 8/18
Photo facing West
SF 43 (KP996+383)
Excavator and dozer working to strip the edges of the
ROW and build an approach.

APPROVALS

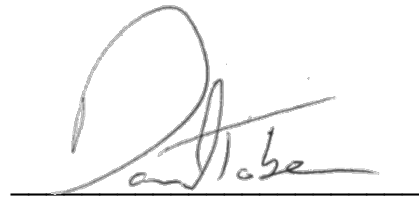


Justin McKinney

Senior Construction Monitor

October 26, 2018

Date



Daniel Tober

Senior Environmental Scientist

October 26, 2018

Date