

**MANITOBA METIS FEDERATION – MATRIX
SOLUTIONS INC. PARTNERSHIP**

INDIGENOUS CONSTRUCTION MONITORING

WEEKLY REPORT

SPREAD 8

AUGUST 20TH TO AUGUST 25TH

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 August 20th to August 25th, 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

On August 20th, safety meeting identified: slips, trips, falls; extreme heat; wildlife; wide loads on highway #2; farm equipment on highway; tag lines; flaggers; congested work sites; fatigue; farm equipment on roads; semis with long loads on grid roads. Weather forecast +23 today; very dry, a bit of wind. SF 23, east side, dozers pushing dirt; SF 23, west side, inspect wetland habitat; SSKP 947+580, ID MB-157, class IV; SF 23, west side, inspected water course, TD#45, SSKP 947+260; SF 23 west side, inspected rare plant community, SSKP 947+260, TD #VG-87; SF 24A, east side, speed dozer pushing dirt; SF 25 east side, crews installing fence posts in the ditch along the approach, they're swapping out metal rods with wooden fence posts; SF 27, wash station up and running; SF 28, soil stripping on the east and west side, geo tech has been laid in preparation to build the approaches. Work forecast: continue to monitor wetland habitats and traditional areas, monitor water course crossing at KP 941+820; monitor mechanical logging in sensitive area.

On August 21st, safety theme was slips, trips, falls; extreme heat; wildlife; wide loads on highway #2; farm equipment on highway; tag lines; flaggers; congested work sites; fatigue; farm equipment on roads; semis with long loads on grid roads. Weather forecast, +25, very dry, a lot of dust; fine cleaning and bleach when entering new R.M., or land owner requested wash. Fine wash at the car wash in Glenboro; SF23, grader grading ROW on the east side; SF 24, dozers pushing dirt on the north side; SF 28, approaches being built on both east and west sides, geo tech has already been laid; SF 30, crews just starting to strip top soil on the west side, they are also stripping on the east side making progress fast; SF 31, west side, crews cutting a path into the bush with chainsaws to allow room for the fellerbuncher and wood chipper to come in and finish the job. Work forecast: continue to monitor wetland habitats and traditional areas, monitor water course crossing at KP 941+820, monitor mechanical logging in sensitive area.

On August 22nd, safety theme was slips, trips, falls; extreme heat; wildlife; wide loads on highway #2; farm equipment on highway; tag lines; flaggers; congested work sites; fatigue; farm equipment on roads; semis with long loads on grid roads. Weather forecast, +29, very dry. Kick-off, crews are starting to string the pipe; SF 21, east side, inspected wetland habitat SSKP 989+410, ID 147, class I & II, there is also a fiber optic cable near the habitat, warning signs are in place; SF 27, dozers pushing dirt on west side, multiple dozers waiting in line to be washed at the wash station; SF 28, bridge being installed over cypress river; SF 30, west side, chipper and skidder were both delivered to sight, semi unloaded brusher on the road, flaggers were used to stop traffic, on the west side there was a skid steer stuck in the cat tails, an excavator assisted the skid steer by putting down mats and pulling out safely; SF 31, crews laying geo tech on the east and west side of the road to prepare for the approach to be built, fellerbuncher felling tress on the west side, warnings signs are set up; SF 32, one dozer pushing dirt and one excavator trimming the edges of the ROW both on the north side of the road. Work forecast: continue to monitor wetland habitats and traditional areas, monitor water

course crossing at KP 941+820, monitor mechanical logging in sensitive area, continue to check boundary lines of top soil material.

On August 23rd, safety theme was slips, trips, falls; extreme heat; wildlife; wide loads on highway #2; farm equipment on highway; tag lines; flaggers; congested work sites; fatigue; farm equipment on roads; semis with long loads on grid roads. Weather forecast, +32, cloudy. Kick-off, pipe is starting to be strung out, 30 sections of pipe so far, two semi-trucks hauling pipe to kick-off, excavator unloaded the pipe on to wooden skids on the ROW; SF 1A, east side, inspected heritage sensitive area HER-167, inspected wetland habitat, SSKP 910+210, ID MB-134, class III, inspected wetland habitat SSKP 910+720, ID MB-137, class III, inspected traditional land use area SSKP 908+840, ID MP-132, unique ID TLU-77; SF 2 west side, inspected wetland habitat SSKP 908+840, ID MP-132, wetland class 1-2; SF 2, east side, pipe was in the open ditch on the ROW being held up by side boom,; SF 31, bush is cut down, wood chipper set up, fine clean in Glenboro at the car wash. Work forecast: continue to monitor wetland habitats and traditional areas, monitor water course crossing at KP 941+820, monitor mechanical logging in sensitive area.

On August 24th, safety theme was slips, trips, falls; extreme heat; wildlife; wide loads on highway #2; farm equipment on highway; tag lines; flaggers; congested work sites; fatigue; farm equipment on roads; semis with long loads on grid roads. Weather forecast, +27, dusty, smokey. SF 30, east side, green geotech has been layed through cat tails, crews building an elevated dirt bridge across from them, dozer pushing dirt, excavator building pathway; SF 31, monitored mechanical logging in east side, bush is starting to thin; SF32, south side, excavator and dozer finishing up approach; SF 33, 3ast side, two excavators and one dozer stripping soil close to approach, geotech has been layed; SF 36, rig mats and green geotech has been delivered to both approaches on the east and west sides. Work forecast: continue to monitor wetland habitats and traditional areas, monitor water course crossing at KP 941+820, monitor mechanical logging in sensitive area.

On August 25th, safety theme was slips, trips, falls; extreme heat; wildlife; wide loads on highway #2; farm equipment on highway; tag lines; flaggers; congested work sites; fatigue; farm equipment on roads; semis with long loads on grid roads. Weather forecast, +21, dry, windy. SF 22, south side, inspected wetland habitat SSKP 941+120, ID MB 150, class III, inspected wetland habitat SSKP 941+330, ID 151-152, class III-IV, inspected wetland habitat SSKP 941, 49-941, 94, ID MB 152, class IV, part of the silt fence is ripped a bit (see photo), inspected wetland habitat, SSKP 942+240, ID 153+154, class III, wildlife feature SSKP 942+340, feature ID WF 116A; SF 26 meridian surveyor's surveying the ROW on south side; SF 28, west side, inspected cypress river crossing bridge, complete. SF 28, east side, rare plant community, SSKP 959.67, unique ID VG 90, plants are barricaded off with snow fence; SF 34, east side, two tractors disking the ROW, green geotech has been layed in the ditch for approach; SF 34, west side, two excavators and one dozer pushing dirt to the side of the ROW, culverts have been delivered to both sides for approaches; SF 36, east side top soil is being stripped. Work forecast, continue to monitor wetland habitats and traditional areas, monitor water course crossing at KP 941+820, monitor mechanical logging in sensitive area.

Photos of Sites Visited & Topics Discussed This Week

August 20, 2018



Description & Location:

Rare Ecological Community
Scolochla festucacea community
Sprangletop community
S3S4, SF 23



Description & Location:

Rare plant community, SF 23



Description & Location:

SF 25, east side, excavator tapping wooden
post into the ground with its bucket



Description & Location:

SF 23, east side, dozers pushing dirt

August 21, 2018



Description & Location:

SF 30, east side, soil being stripped



Description & Location:

SF 31, west side, crews cutting bush

August 22, 2018



Description & Location:

SF 21, wetland habitat SSKP 939+410, ID
147,
class I+II.



Description & Location:

SF 30, west side, skid steer stuck in the
cat tails.



Description & Location:

SF 31, west side, warnings signs set up due to logging that is in process.



Description & Location:

SF 30, east side, wood chipper.

August 22, 2018



Description & Location:

SF 28, west side, bridge being prepped for crossing.



Description & Location:

SF 28, west side, excavator working on bridge from the other side.

August 23, 2018



Description & Location:

SF 1, (Kickoff), pipe is starting to get strung out on to wooden skids, photo facing east.



Description & Location:

SF 1, excavator unloading pipe, photo facing west.



Description & Location:

SF 31, photo facing west, trees going into chipper, which then are getting shot into the semi trailer.



Description & Location:

SF 32, photo facing north, excavators at work on the ROW.



Description & Location:

SF 2, photo facing east, not sure what to call this but it seemed pretty interesting.

August 24, 2018



Description & Location:

SF 31, mechanical logging. Photo facing west.



Description & Location:

SF 30, access being built across cat tails. Photo facing west.



Description & Location:

SF 32, excavator and dozer working on approach, photo facing east.

August 25, 2018



Description & Location:

SF 22, wetland habitat, SSKP 941.49-941.94, ID MB-152, class IV, silt fence is ripped a bit causing dirt to go where it should not be going.



Description & Location:

SF 22, wetland habitat, SSKP 941.49-941.94, ID MB-152. class IV, photo facing west.



Description & Location:

SF 28, west side, cypress river crossing, bridge completed. Photo facing west.



Description & Location:

SF 32, picture of the ROW in the field, photo facing north.



Description & Location:


SF 34, two excavator's and one dozer working together to pile soil on the side of the ROW, photo facing west.



Description & Location:

SF 34, two tractors disk the ROW, photo facing east.

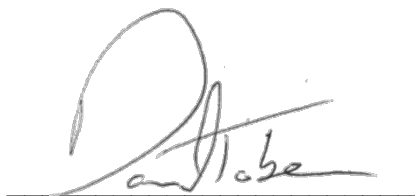
APPROVALS



Brook Syrnyk
Construction Monitor

August 29, 2018

Date



Daniel Tober
Senior Environmental Scientist

August 29, 2018

Date