

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

INDIGENOUS CONSTRUCTION MONITORING

WEEKLY REPORT

SPREAD 8

OCTOBER 1ST TO OCTOBER 6TH

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 October 1st to October 6th, 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 October 1, slips, trips, falls, heat, dust, wide loads on the number 2 highway, spotter, tag lines, flaggers, congested work sites, wildlife, distracted driving, fatigue, farm equipment on roads, semis with long loads on grid roads; +8, cloudy skies, slight rain; fine clean and bleach when entering new R.M, or land owner requested wash; SF 3, east side, one dozer pushing dirt that was used to burry pipe, operator is also flattening out the ROW to prepare for the transition soil to be put back; SF 3, west side, one grader grading the ROW; SF 4, west side, one grader grading the ROW, one excavator scraping rough mud off the approach; SF 4, east side, two dozers pushing dirt that was used to burry pipe, they are also flattening out the ROW, two graders grading the ROW, one excavator scraping dirt from the edge of the ROW on the north side; SF 6, east side, one dozer pushing soil used to burry pipe, two excavators backfilling the pipe; SF 22, north side, machine drilling hole for the pipe under the road; SF 24, south side, one dozer pushing dirt, one excavator digging hole for where pipe will come up from under the road; SF 26, north side, excavator digging where the trencher made the trench for the pipe; SF 48, west side, excavator loading pipe onto a semi-trailer; Work forecast: continue to monitor wetland habitats and traditional areas, monitor construction.

On October 2, slips, trips, falls, heat, dust, wide loads on the number 2 highway, spotter, tag lines, flaggers, congested work sites, wildlife, distracted driving, fatigue, farm equipment on roads, semis with long loads on grid roads; Plus 14, cloudy, windy, a little bit of rain, fine clean and bleach when entering new R.M, or land owner requested wash; SF 3, west side, excavator removing soil from the ditch that was used to build the approach, tearing back geotech, one crew member was gathering up the metal rods from the ground that were used to support the geotech; SF 3, east side, most of the geotech and dirt from the approach is removed, there is still a small section left so vehicles can get on and off of the ROW; SF 4, east side, one dozer pushing dirt close to the approach, smoothing out ROW, two more dozers down the ROW back blading; SF 5, west side, excavator digging out dirt where the pipe is in the trench, one dozer is pushing that dirt to the side; SF 5, east side, one dozer moving dirt to build approach back onto the ROW; SF 6, east side, one grader grading the ROW, one dozer back blading; SF 40, east side, pipe gang crew working on the pipe; SF 50, stringing pipe, pipe is laid out at the end of 50; Work forecast: Continue to monitor wetland habitats and traditional areas, monitor construction.

On October 3, slips, trips, falls, heat, dust, wide loads on the number 2 highway, spotter, tag lines, flaggers, congested work sites, wildlife, distracted driving, fatigue, farm equipment on roads, semis with long loads on grid roads, ice and snow, slush on highway, black ice, don't tailgate; +0 today -7 with the wind chill, cold and snowy; fine clean and bleach when entering new R.M, or land owner requested wash; SF 20, east side, one excavator digging where trencher made the trench for the pipe, two more excavators moving soil on the side of the ROW; SF 22, south side, one excavator digging where the trencher trenched the ground for the pipe, one crew member running hose from the trench to higher ground to pump water out of the trench, there's is also a

light plant that is next to the trench and it does not have a spill tray underneath it; SF 25, east side, excavator digging where trencher made trench for the pipe, widening out the trench walls; SF 39, east side, coating crew working on the pipe; SF 41, south side, pipe gang crew working on the pipe; Work forecast: Continue to monitor wetland habitats and traditional areas, monitor construction.

On September 4, slips, trips, falls, heat, dust, wide loads on the number 2 highway, spotter, tag lines, flaggers, congested work sites, wildlife, distracted driving, fatigue, farm equipment on roads, semis with long loads on grid roads; Plus 3 outside, roads were bare no ice, fields were a little snowy, gravel roads muddy; Fine clean and bleach when entering new R.M, or land owner requested wash; SF 20, north side, boaring machine being unloaded from semi to the ROW; SF 24, south side, crews heating the pipe; SF 25, west side, one excavator digging dirt out of trench where pipe will be laid; SF 25, east side, one excavator loading dirt into the back of the rock truck, rock truck then dumping that dirt into trench, backfilling pipe; SF 35, south side, coating crew coating the joints on the pipe; SF 41, north side, pipe gang crew getting ready to cross the road to start work on the pipe on the south side of the highway; Work forecast: Continue to monitor wetland habitats and traditional areas, monitor construction.

On October 5, Slips, trips, falls, wide loads on the number 2 highway, spotter, tag lines, flaggers, congested work sites, wildlife, distracted driving, fatigue, farm equipment on roads, semis with long loads on grid roads, dress in layers, icy road conditions, reduced visibility when driving while snowing, take more time to stop on icy roads, defensive driving; Plus 2, very wet and snowy, fine clean and bleach when entering new R.M, or land owner requested wash; Drove out to SF 19; Indigenous Liaison Gerald Scott informed us to shut down for the day due to the weather impact; Line wide meeting regarding acm's, (2:00 pm); Work forecast: Continue to monitor wetland habitats and traditional areas, monitor construction.

On October 6, Slips, trips, falls, wide loads on the number 2 highway, spotter, tag lines, flaggers, congested work sites, wildlife, distracted driving, fatigue, farm equipment on roads, semis with long loads on grid roads, icy roads, dress in layers, reduced visibility when snowing; Plus 4, clear skies, fine clean and bleach when entering new R.M, or land owner requested wash; SF 20, east side, lowering in crew lowering in pipe; SF 25, west side, lowering in crew lowering in pipe; SF 25, east side, crew member running hose from trench to pump water out of trench; SF 32, south side, one excavator digging in trench where pipe will be laid; SF 33, west side, one excavator digging in trench where the pipe will be laid; SF 33, east side, one excavator digging in the trench where the pipe will be laid; SF 41A, east side, coating/jeeping crew working on the pipe; SF 43, south side, pipe gang crew working on welding the pipe together; Work forecast: Continue to monitor wetland habitats and traditional areas, monitor construction.

Photos of Sites Visited & Topics Discussed This Week

October 1, 2018



SF 3, photo facing east, one dozer pushing soil, one excavator parked.



SF 4, photo facing west, excavator scraping rough mud off the approach.



SF 22, photo facing north, machine drilling hole for pipe under the road.



SF 24, photo facing south east, excavator digging hole for where pipe will come up from under the road, dozer pushing that soil to the side.



SF 26, photo facing north, excavator digging where trencher made the trench.



SF 48, photo facing west, excavator loading pipe onto semi-trailer.

October 2, 2018



SF 3, photo facing west, excavator pulling geotech used for approach back onto ROW, getting rid of approach.



SF 5, photo facing west, excavator digging hole for where the valve will go on the ROW.



SF 5, photo facing south west, equipment crossing the road to be used on the west side.

October 3, 2018



SF 20, photo facing west, one excavator digging in the trench, two more excavators moving dirt.



SF 22, photo facing south east, one excavator digging in the trench.



SF 22, photo facing south east, closer up photo of the trench full of water.



SF 25, photo facing east, one excavator widening out the sides of the trench.

October 4, 2018



SF 24, photo facing south, crews heating the pipe.



SF 25, photo facing west, excavator digging dirt out of trench.



SF 25, photo facing west, excavator loading dirt into rock truck, rock truck dumping dirt into trench.



SF 35, coating crew coating the joints on the pipe. (south facing)

October 6, 2018



SF 25, photo facing west, lowering crew in, getting ready to lower in pipe.



SF 43, photo facing south east, pipe gang working on the pipe, welding it together.

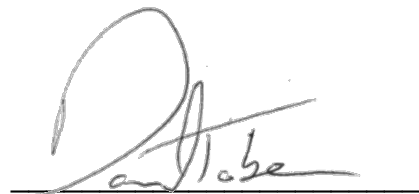
APPROVALS



Brook Syrnyk
Construction Monitor

October 26, 2018

Date



Daniel Tober
Senior Environmental Scientist

October 26, 2018

Date