

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

INDIGENOUS CONSTRUCTION MONITORING

WEEKLY REPORT

SPREAD 8

DECEMBER 10TH TO DECEMBER 16TH

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 December 10th to December 16th, 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 December 10th, 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, reduced visibility when driving while snowing, take more time to stop on icy roads, defensive driving, traction aids; High of minus 9, good driving conditions, clear skies, fine clean and bleach when entering new R.M, or land owner requested wash; SF 5, west side, excavator packing down the ground around the valve, almost completed at this site; SF 22B, east side, crews cleaning up remainder of the site; SF 22B, west side, sheet metal piles stacked up at the entrance ready to be hauled out; SF 35, south side, three excavators building up the steep hill to how it was before construction began; SF 42, west side, crews still waiting on pig to go through so they can install the valve; SF 48, crews removing signs, (flagger, men working, etc.) from both sides of the road.

On December 11th, 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, reduced visibility when driving while snowing, defensive driving, traction aids; High of zero, good driving conditions, clear skies, fine clean and bleach when entering new R.M, or land owner requested wash; SF 5, west side, valve installed and covered up with plastic, one dozer back blading remainder of dirt; SF 22B, east side, crews cleaning up the sight; SF 22B, west side, crews cleaning up the sight; SF 35, south side, three excavators building up the hill bank; SF 42, west side, valve almost installed, crews getting it perfectly levelled, welders were on sight preparing to weld the valve to the pipe; SF 41, south side, one excavator digging for ovalities; SF 47, west side, one excavator digging for ovalities; SF 47, east side, one hydrovac, hydrovacating over top of the pipe.

On December 12th, 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, traction aids; High of plus 2, good road conditions, warm water on the road, will freeze over night; fine clean and bleach when entering new R.M, or land owner requested wash; SF 22B, east side, crews cleaning up the sight, cleaning up the rig mats and all the extra pieces of wood, debris, matting, black geo-tech, a semi came and was loaded with rig mats by a loader operator, there was a flagger in place stopping traffic when the semi was being loaded, the flagger was also directing semis as multiple semis were pulling in and out at the same time; SF 28, west side, crews prepping valve for install, there is a crane on sight in position and ready to lower valve in; SF 35, south side, semis loading up equipment on the road, flaggers in place to stop and hold traffic; SF 42, west side, valve installed, welding crews where welding the green base on the bottom of the valve; SF 44, west side, ovality digs, there were two separate holes dug; SF 47, west side, ovality digs, excavator digging hole over the pipe, hydro vac on sight hydrovacating the pipe.

On December 13th, 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, traction aids; High of minus 2, good road conditions, snow melting making roads wet which freeze over night; fine clean and bleach when entering new R.M, or land owner requested wash; SF 22B, east side, crews cleaning up the sight, multiple semis hauling out loads, rig mats, sheet metal piles, are all being loaded onto semi-trailers; SF 28, west side, one excavator removing dirt from the trench where the valve will be placed, there is a spotter in the trench, the pipe is already cut and ready for the valve to be installed, there is a crane on sight that will lift the valve into place; SF 42, west side, valve installed, coating crews on sight coating the green base under the valve; SF 42, east side, excavator pulling back approach, removing culvert and green geo-tech from the ditch; SF 47, west side, ovality digs, hydrovac hydrovacating the pipe.

On December 14th, 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, traction aids; High of plus 2, melted snow on the roads, possible icy roads tomorrow morning. Fine clean and bleach when entering new R.M, or land owner requested wash; SF 22B, crews cleaning up site, loader pulling out rig mats from the ground, shaking them off getting the snow off them, excavators digging out dirt from around the bridge; SF 28, west side, crane lowering in valve, crews getting valve level, excavator attached a sling around the pipe and adjusted it from side to side, a semi loaded up an excavator on the road, flaggers where used to hold traffic, all ladders are secured in the trench, crew members heated the pipe with tiger torches, welders are on sight preparing to weld the pipe; SF 35, semi unloaded dozer onto the road then drove it onto the ROW, flaggers where used to stop oncoming traffic; SF 42, west side, two excavators and one dozer working together to back fill the valve/pipe, crew members removed ladders from the trench.

On December 15th, 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, defensive driving, traction aids; High of plus 3, very nice day, clear skies, melting snow, very windy, back roads are getting muddy. Fine clean and bleach when entering new R.M, or land owner requested wash; Scheduled maintenance at 8:00 am in Treherne at ford, vehicle had a leaking tire, oil was also changed; SF 22B, west side, one excavator scrapping the dirt over the pipe, flattening it out/smoothing it out, there is also a worker in a skid steer gathering garbage from the site, (broken wood pieces, ripped geo-tech) he is then dumping the garbage into the dumpster on site; SF 28, west side, valve installed, one excavator starting to backfill the valve/pipe starting from the west side; SF 31, west side, excavator doing ovality dig, hydrovac parked on site; SF 35, north side, one excavator pulling back approach, there is also a dozer on site pushing big chunks of dirt from the

approach off to the side of the ROW, there are two flaggers with slow signs near the approach to slow down any traffic while the equipment works close to the road; SF 42, west side, one excavator backfilling the valve/pipe, another excavator has a hydraulic packer attached to it and is packing the dirt around the valve; SF 42, east side, one excavator packing down the ditch where the approach used to be, smoothing it out, there is a spotter on the road making sure the operator doesn't get his bucket too close to the gravel road; SF 48, an excavator crossed from the west side to the east side, there were no flaggers in place to hold any oncoming traffic.

On December 16th, 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, defensive driving, traction aids; High of minus 5, good road conditions, clear skies. Fine clean and bleach when entering new R.M, or land owner requested wash; SF 5, west side, a vertical driller is on site and is drilling holes just east of where the valve is sitting, the metal fencing that will go around the valve is also on site but not installed; SF 22A, crews picking up signs and sign stands from the ditch, flagger signs, men working signs; SF 22B, one excavator pulling back approach, a spotter is on the road, the west side is completely cleaned up, there are three excavators on the east side of the road pulling dirt away from the bridge SF 28, west side, one excavator backfilling the pipe/valve, there are also two more excavators and one dozer on sight breaking up the big chunks of mud that will be used to backfill the rest of the pipe; SF 34, a loader is loading a semi with long wooden planks that were sitting in the ditch that the dozers would drive over top of, two flaggers are in place holding oncoming traffic SF 42, west side, valve installed and fully backfilled, the metal fencing that will go around the valve is also on site but not installed SF 48, an excavator is being loaded on the road, flaggers are in place to hold any oncoming traffic.

Photos of Sites Visited & Topics Discussed This Week
December 10, 2018



Description & Location:

SF 22B, photo facing west, excavator finishing up packing down ground around the valve.



Description & Location:

SF 22B, photo facing east, crews cleaning up the sight.



Description & Location:

SF 35, photo facing south, crews building up hill bank.



Description & Location:

SF 22B, photo facing west, sheet metal piles all stacked up ready to be hauled out.



Description & Location:

Gave the work vehicle a good wash as it was getting dirty.

Photo

Description & Location:

December 11, 2018



Description & Location:

SF 5, photo facing west, valve installed and covered up.



Description & Location:

SF 35, photo facing south, crews building up hill bank.



Description & Location:

SF 42, photo facing west, valve in place, welders where on sight preparing to weld.



Description & Location:

SF 47, photo facing east, hydro vac hydrovacating on top of the pipe.

December 12, 2018



Description & Location:

SF 22B, photo facing east, crews cleaning up the sight.



Description & Location:

SF 22B, photo facing south, loader loading semi up with rig mats.



Description & Location:

SF 42, photo facing west, valve installed, welders welding the green base on the valve.



Description & Location:

SF 47, photo facing west, ovality dig.

December 13, 2018



Description & Location:

SF 22B, photo facing east, crews cleaning up sight, semis hauling out rig mats/sheet metal piles.



Description & Location:

SF 28, photo facing west, pipe cut, excavator removing dirt, prepping for valve install.



Description & Location:

SF 42, photo facing west, valve installed, coating crews coating base under the valve.



Description & Location:

SF 42, photo facing south east, excavator removing approach.

DECEMBER 14, 2018



Description & Location:

SF 28, photo facing west, crane lowering in valve, crews leveling valve.



Description & Location:

SF 28, photo facing west, crews heating the pipe with tiger torches.



SF 42, photo facing west, crews backfilling valve/pipe.

DECEMBER 15, 2018



Description & Location:

SF 42, photo facing west, two excavators backfilling, one packing down the dirt with a packer.



Description & Location:

SF 42, photo facing south east, excavator packing down ditch where approach used to be.



Description & Location:

SF 31, photo facing west, ovality dig, hydro vac on sight.



Description & Location:

SF 28, photo facing west, excavator starting to backfill from the west side.



SSF 22B smoothing dirt over the pipe

DECEMBER 16, 2018



Description & Location:

SF 42, photo facing west, valve backfilled, fencing for valve is on site.



Description & Location:

SF 28, photo facing west, excavator backfilling pipe, a crew member is in the trench using a boom lift because all the ladders have been removed.



Description & Location:

SF 22B, photo facing south, excavator pulling back approach.



Description & Location:

SF 5, photo facing west, driller drilling vertical holes just east of the valve.

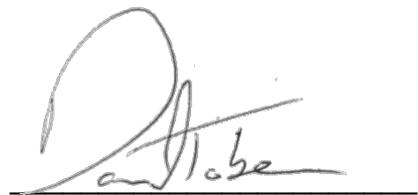
APPROVALS



Brook Syrnyk
Construction Monitor

January 14, 2019

Date



Daniel Tober
Senior Environmental Scientist

January 14, 2019

Date