

Final Report

March 30, 2023

Prepared for: Canadian National Railway Company 935 de La Gauchetière Street W Montreal, QC H3B 2M9

Prepared by: Stantec Consulting Ltd. 100-300 Hagey Boulevard Waterloo, ON N2L 0A4

Project Number: 160960844

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<Original signed by>

Prepared by _____

(signature)

Fabian Alvarado, M.Eng. Acoustics, Noise and Vibration Specialist

<Original signed by>

Reviewed by ______(signature) Mohammed Salim, MBA, P.Eng. Senior Acoustics, Noise and Vibration Engineer

	<original signed<="" th=""><th>by></th></original>	by>
Reviewed by	0	
	(signature)	
Frank Babic,	P.Eng., INCE	
Principal - Acc	oustics Practice Area Lead Ontar	io, Canadian Technical Lead Noise,
Vibration and	Acoustics	
	<original signed<="" td=""><td>d by></td></original>	d by>
	د د	
Reviewed by	U	
<u>, </u>	(signature)	
Chris Powell,	, M.A.	
Senior Enviror	nmental Planner, Principal	

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Acronyms / Abbreviations

CN	Canadian National Railway Company
СТА	Canadian Transportation Agency
CTNE	Combined Total Noise Exposure
dBA	Decibel, A-weighted
FTA	Federal Transit Administration
НА	Highly Annoyed
HC	Health Canada
IAAC	Impact Assessment Agency of Canada
Ld	Daytime sound level
Ln	Nighttime sound level
L _{eq}	Energy Equivalent Sound Level
L _{dn}	Day-night average sound level
L _{max}	Maximum sound level
MECP	Ontario Ministry of the Environment, Conservation, and Parks
PDA	Project Development Area
PNE	Project Noise Exposure
% HA	Percent Highly Annoyed
SLM	Sound Level Meter
WHO	World Health Organization

CN Milton Logistics Hub: 2022 Construction Acoustic Environment Follow-up **Program Results** 1 Introduction March 30, 2023

Introduction 1

Stantec Consulting Ltd. (Stantec) has been retained by the Canadian National Railway Company (CN) to conduct an acoustic follow-up program (FUP) for the Milton Logistics Hub (the Project) in the Town of Milton, within the Regional Municipality of Halton (Halton Region), Ontario.

This report documents the implementation of the Acoustic Environment Follow-up Program (Stantec Consulting Ltd. 2022) for construction during the 2022 construction period.

Program Design Considerations 1.1

This FUP has been developed to comply with the conditions of approval in the Minister of Environment and Climate Change's Decision Statement issued January 21, 2021, and amended July 16, 2022 (Minister of the Environment and Climate Change 2022). As described in the Acoustic Environment FUP, the noise FUP was developed in accordance with Condition 4.10 of the Decision Statement, and consists of the following components:

- Monitoring of noise levels during each phase of construction to verify the effectiveness of the noise mitigation, including during the first four weeks of each construction phase (per Condition 4.10.1);
- Monitoring of noise levels during the first four weeks of operations, and during four weeks once the terminal reaches full operational capacity, to verify the effectiveness of the noise mitigation and confirm that the sound levels at key locations do not exceed specified thresholds (Condition 4.10.2);
- Monitoring of low frequency noise levels during operations to verify the effectiveness of the noise mitigation and confirm that the sound levels at key locations do not exceed specified thresholds (Condition 4.10.3).
- Development and implementation of modified or additional mitigation measures if the results of the noise monitoring exceed specified thresholds (Condition 4.10.4)

In addition to the monitoring period (first four weeks of each construction phase) required under Condition 4.10, the noise FUP includes an additional four-week monitoring period during each construction phase when construction activities are anticipated to result in the greatest noise effects, as determined in consultation with Health Canada (per EIS commitments).

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Through the established community consultation committee process, concerns raised by the local community related to noise or any noise complaints received through the noise complaints protocol were to be reviewed and addressed through the adaptive management process.

1.2 Activities Undertaken During Reporting Year

In Q1 of 2022, CN undertook Phase One site preparation activities, such as surveying, delineating construction site boundaries, and installing site fencing; installation of monitoring equipment; placement of stakes/demarcation materials for site safety; clearing and grubbing of vegetated areas; access road and laydown area construction; and the installation of construction site offices and other components.

In Q2, site activities included excavation of stormwater management (SWM) pond #2; preparation of the habitat enhancement areas accessible during this time of year; continued excavation work; removal of CN-owned buildings; initiation of grading activities on the realignment of Indian Creek and Tributary A; and work on access roads, including the installation of a temporary bridged access road over Indian Creek.

Following the fisheries timing window (March 15 to June 30), CN commenced construction of the portion of the Tributary A realignment channel within the existing agricultural pond and continued with construction of the associated Tributary A habitat structures and offline portions of culverts 2A and 2B. Other activities in Q3 included site grading activities; continued construction of SWM pond #2, including the outlet structure, and initiation of SWM pond 1; site grading and earth moving activities; continued offline construction of the Indian Creek realignment channel and associated habitat structures; and the construction of an interim noise berm along Lower Base Line and the eastern property boundary near lay down area 1.

Finally, in Q4, CN connected the new realigned portion of Tributary A, as well as culvert 2B and the downstream portion of culvert 2A, to the existing Tributary A. Other activities included realignment of the Sun Canadian pipeline; removal of the temporary bridge over Indian Creek; completion of in-water and bank enhancements along Indian Creek; continued offline construction of the Indian Creek realignment channel and associated habitat structures; initiation of the realignment of the existing mainline, including grading and drainage; and completion of site stabilization measures in preparation for the winter period.

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2 Methods

2.1 Monitoring Periods

Noise monitoring was conducted in two separate four-week blocks during the 2022 construction period. These blocks are identified by round number and associated construction phase:

- 1. Phase 1 Round 1: January 24 to February 20, 2022, was the first four-week period of Phase 1 construction; and
- Phase 1 Round 2: November 21 to December 18, 2022, was the four-week period of Phase 1 when construction activities were expected to result in the greatest noise impact.

The four-week period for Phase 1 - Round 2 was determined in consultation with Health Canada (HC) and in consideration of the nature of the expected construction activities including type, schedule, and location of activities relative to the existing receptors. Further, the four-week period was selected to evaluate the effectiveness of the interim noise berm installed following Phase 1 - Round 1.

2.2 Noise Monitoring Locations

As per the Acoustic Environment FUP, noise levels during construction were monitored at ten (10) locations near the Project Development Area (PDA). These locations are the same as those used to establish the existing noise exposure (i.e., baseline noise levels) at the receptors assessed in the CN Milton Logistics Hub - Technical Data Report Noise Effects Assessment (Stantec Consulting Ltd. 2015). Monitoring locations and receptors in relation to the PDA are shown in Figure 2.1. Appendix A provides a photolog of the noise monitoring locations.





Notes

- 1. Coordinate System: NAD 1983 UTM Zone 17N Base features produced under license with the Ontario Ministry of Natural Resources and Forestry @ Queen's Printer for Ontario, 2015. Site layout: July 10, 2015.
- 3. Orthoimagery © First Base Solutions, 2023. Imagery taken in 2021.

- ----- Existing Single Track Mainline
- Existing Double Track Mainline
- 🗕 Double Track Mainline
- Project Component
- --- CN-Owned Property
- SWM Pond

- Receptor Location
- ▲ Noise Monitoring Location

Legend Project Development Area



Client/Project Canadian National Railway Milton Logistics Hub Acoustic Follow-up Program

Figure No. 2.1

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Monitoring Locations and Receptors Near the Project Development Area

January 2023 160960844

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Table 2.1 provides a summary of the monitoring locations including the represented baseline receptors from the CN Milton Logistics Hub - Technical Data Report Noise Effects Assessment (TDR). Each monitoring location ID listed in Table 2.1 and shown in Figure 2.1 includes a 4-digit suffix which denotes the year within which the corresponding existing noise exposure (baseline) measurement(s) was taken. For readability, the 4-digit suffix has been omitted when referring to these monitoring locations hereafter.

Monitoring Locations ¹ (ID)	Represented Receptors ²	Receptor Description
M01-2015	G2-POR001 to G2-POR004	Existing Subdivisions along the existing mainline between Louis St Laurent Avenue and Derry Road
M02-2015	G1-POR022, G3-POR002 to G3-POR008	Existing House south of Tremaine Road and 2nd Sideroad, and Future Developments along the existing mainline between Britannia Road and Louis St. Laurent Avenue
M03-2015	G3-POR001, G3-POR005	Future Developments along the existing mainline just north of Britannia Road
M04-2015	G1-POR002 to G1-POR004, G1-POR017	Existing Houses along First Line between Lower Base Line and Britannia Road
M05-2014	G1-POR005 to G1-POR007, G1-POR023 to G1-POR026	Existing Houses along Tremaine Road
M06-2014	G1-POR001	Existing House northwest of Lower Base Line and First Line intersection
M07-2015	G1-POR011	Existing House southeast of Lower Base Line and Tremaine Road intersection
M08-2014	G1-POR018 to G1-POR021	Existing Houses along Lower Base Line, east of existing mainline
M09-2014	G1-POR008 to G1-POR014	Existing Houses along Tremaine Road, north and south of Lower Base Line
M10-2015	G1-POR015 to G1-POR016	Existing Houses along Tremaine Road, south of 2nd Sideroad

Table 2.1 Noise Monitoring Locations

NOTES:

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- 1. The last four digits in the Monitoring Locations (ID) represents the year within which the associated existing noise exposure (baseline) measurement(s) was taken
- 2. Refers to the receptors whose existing noise exposure was established through monitoring at the corresponding monitor location.
 - G1 prefix refers to receptors representing existing residences
 - G2 prefix refers to receptors representing existing subdivisions
 - G3 prefix refers to receptors representing future subdivision/urban developments.

Due to site availability and equipment security constraints, monitors M05, M07, and M08 were not placed at the locations shown in Figure 2.1 for some periods. M05 was placed up to 10 m closer to Tremaine Road during Phase 1 – Round 1. M08 was placed approximately 135 m closer to the CN rail line and 10 m closer to Lower Base Line during week 1 of Phase 1 – Round 1. And M07 was placed up to 10 m closer to Lower Base Line during Phase 1 – Round 1 and Round 2.

Noise levels measured at M05, M07, and M08 during the affected periods may have been inflated relative to the levels that would have been expected at their proper monitoring locations and respective receptors. This inflation would likely have been caused by increased noise contributions from road and rail sources, as a result of the reduced setback distances from the affected monitoring locations. Therefore, the noise levels at M05, M07, and M08 during the affected periods are considered conservative when assessing them against the applicable noise criteria.

2.3 Criteria

In accordance with Condition 4.6 of the Decision Statement, noise from all phases of the Project shall be managed such that Project-related noise levels at any receptor identified in the TDR (see represented receptors in Table 2.1) change by less than 1 to 5 dB as set out in the United States Federal Transit Administration (US FTA) Transit Noise and Vibration Impact Assessment Manual (U.S. Federal Transit Administration 2006) and the level of highly annoyed to change by no more than 6.5 % as set out in the Health Canada (HC) publication Guidance for Evaluating Human Health Impacts in Environmental Assessment Noise (Health Canada 2017). These limits are equivalent to those used in the TDR noise assessment. Table 2.2 summarizes the applicable noise limits (criteria)¹ for the FUP.

¹ The Decision Statement identifies nighttime noise criteria for the operational, not construction, phase of the Project. Nighttime noise evaluation will be addressed through the FUP applicable to operations.

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Monitoring		US FTA Criteria						
Location (ID)	Existing Noise Exposure, L _{dn} ¹ (dBA)	Allowable Project Noise Exposure, Ldn ² (dBA)	Allowable Combined Total Noise Exposure, L _{dn} ³ (dBA)	Allowable Noise Exposure Increase ⁴ (dB)	Allowable Percent Increase (%) in Percent Highly Annoyed (HA)			
M01	57	56	60	3	6.5			
M02	67	62	68	1				
M03	77	65	77	0				
M04	56	56	59	3				
M05	57	56	60	3				
M06	51	54	56	5				
M07	59	57	61	2				
M08	53	54	57	4				
M09	58	57	60	2				
M10	60	58	62	2				

Table 2.2 FUP Construction Noise Criteria

NOTES:

1. Existing Noise Exposure L_{dn} refers to the existing noise levels (baseline acoustic environment) established in the TDR

2. Project Noise Exposure L_{dn} refers to construction noise levels, independent of the extraneous noise (e.g., road and rail)

3. Allowable Combined Total Noise Exposure noise level L_{dn} refers to the criteria for the cumulative noise level of construction noise and existing noise exposure from column 1

4. Noise exposure increase is the difference between the Combined Total Noise Exposure and Existing Noise Exposure

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The US FTA criterion is expressed in terms of the day-night sound level (L_{dn}) which is an energy averaged 24-hour sound level with a 10 dB penalty applied to nighttime (23:00 to 07:00) sound levels. This penalty is applied to reflect a typical community's increased sensitivity to noise during nighttime.

The applicable L_{dn} limits are presented as an allowable Project noise exposure (PNE) and an allowable combined total noise exposure (CTNE). For the construction noise monitoring, the PNE refers to the Project construction noise only and the CTNE refers to the cumulative noise level of construction noise and existing environmental noise (e.g., road and rail noise). PNE and CTNE limits generally increase with the existing noise exposure (i.e., baseline levels).

The applicable noise limits are also presented as an allowable noise exposure increase relative to the existing noise exposure. The allowable noise exposure increase is calculated as the difference between the allowable CTNE and the existing noise exposure. The allowable noise exposure increase is inversely proportional to the existing noise exposure. In other words, lower existing noise exposures allow for higher thresholds of change to the acoustic environment, and vice versa.

The HC criteria is based on the %HA metric which is a function of the L_{dn} . The %HA limit of 6.5% for the Project is expressed as an allowable increase in %HA. Research cited in the US FTA Transit Noise and Vibration Impact Assessment shows that community annoyance is engaged when the change in %HA is greater than 6.5%.

Where exceedances of either the FTA or HC criteria were identified and attributable to the Project, adaptive management measures (described in Section 2.4) were implemented.

Adaptive Management 2.4

The adaptive management is triggered when monitored noise levels exceed the applicable construction noise criteria. The adaptive management process involves the following:

- 1. Additional noise monitoring at specific receptors of interest to verify the source and/or confirm the receptor impact
- 2. Review of the construction methodology and recommendation of alternative construction methods (i.e., timing of construction activities, number of operating vehicles, spatial distribution of activities) in discussion with the contractor if construction noise exceedances attributable to the Project are confirmed
- 3. Investigate additional mitigation methods and implement them, as appropriate, if project-attributable exceedances persist

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CN will monitor and document any noise complaints received during construction and will respond in accordance with their complaint response protocol. Such complaints will be used to target further review of noise levels and corresponding construction activities to explore whether such activities are responsible for specific exceedances.

2.5 Instrumentation and Setup

Noise monitoring was conducted using Sigicom model INFRA S50 sound level meters (SLMs) paired with Sigicom model INFRA D10/ data loggers. These SLMs are capable of measuring multiple metrics (e.g., L_{eq} , L_{max}) simultaneously and recording audio samples. Table 2.3 provides a summary of the instrumentation used for the 2022 construction noise monitoring along with their serial numbers. Unless otherwise noted, the same instruments (i.e., same serial numbers) at each monitoring location were used for both Phase 1 – Round 1 and Round 2 monitoring.

Monitoring Location (ID)	Instrument	Manufacturer	Model	Serial Number ¹
M01	Sound Level Meter	Sigicom	INFRA S50	14143
	Data Logger	Sigicom	INFRA D10	108339
M02	Sound Level Meter	Sigicom	INFRA S50	14159
	Data Logger	Sigicom	INFRA D10	108331(108333)
M03	Sound Level Meter	Sigicom	INFRA S50	14168
	Data Logger	Sigicom	INFRA D10	108334
M04	Sound Level Meter	Sigicom	INFRA S50	14164 (14196)
	Data Logger	Sigicom	INFRA D10	108338
M05	Sound Level Meter	Sigicom	INFRA S50	14193, 8305 ²
	Data Logger	Sigicom	INFRA D10	108336 (108195)
	Weather Station	Sigicom	INFRA X20WXT	14188

Table 2.3	Instrumentation	Summary
l able 2.3	Instrumentation	Summary

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Monitoring Location (ID)	Instrument	Manufacturer	Model	Serial Number ¹
M06	Sound Level Meter	Sigicom	INFRA S50	14165
	Data Logger	Sigicom	INFRA D10	108337
M07	Sound Level Meter	Sigicom	INFRA S50	14195, 5343 ²
	Data Logger	Sigicom	INFRA D10	108332
M08	Sound Level Meter	Sigicom	INFRA S50	14167
	Data Logger	Sigicom	INFRA D10	108335
M09	Sound Level Meter	Sigicom	INFRA S50	14197, 7498 ²
	Data Logger	Sigicom	INFRA D10	108340
M10	Sound Level Meter	Sigicom	INFRA S50	14169
	Data Logger	Sigicom	INFRA D10	108341
All	Acoustical Calibrator	Larson Davis	CAL200	4813

NOTES:

1. Bracketed serial numbers refer to the different instrument serial number used for Phase 1 – Round 2

2. Refers to an SLM that was replaced during Phase 1 – Round 1, due to equipment availability

The SLMs were set up to collect energy equivalent sound levels (L_{eq}) in 5-minute intervals. L_{dn} sound levels were calculated from the 5-minute L_{eq} . To qualify noise exceedances, the SLMs were set up to record audio samples based on the measured maximum noise level (L_{max}).

Consistent with the monitoring installation used for the baseline noise TDR (Stantec Consulting Ltd. 2015), the SLMs were mounted on a tripod or pole at 1.5 m above ground.

The SLMs were factory calibrated and maintained in conformance with the ISO 1996-2 (International Organization for Standardization 2017) and were field calibrated using a Larson Davis model CAL200 calibrator. Calibration Certificates for the instrumentation are provided in Appendix C.



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2.6 Weather

Inclement weather conditions have the potential to affect the accuracy of the measured noise levels. Consistent with NPC-103 (Ontario Ministry of Environment 1978) and manufacturer's recommendations, inclement weather conditions are considered to have occurred under any of the following conditions:

- Wind speed greater than 20 km/hour;
- Temperature outside of the operating range defined by the manufacturer of the sound level meter (-20°C to +50°C); and
- Precipitation has occurred.

Hourly data including wind speed, temperature, and precipitation was obtained from the on-site Sigicom model X20WXT weather station, installed at location M05 supplemented with weather data obtained from the Government of Canada Historical Climate database for the Hamilton RGB CS station (Climate ID 6153301). The Hamilton RGB CS station is the closest Government of Canada weather station to the Project with available hourly data. The weather data was reviewed to identify periods of inclement weather during the monitoring period. Noise data collected during inclement weather was excluded from the noise monitoring data analysis. Hourly inclement weather periods are noted with the measured data reported in Appendix D.

Some noise data collected were discarded from the analysis due to a suspected weather-related equipment malfunction. The affected data showed unusually low noise levels, as low as 15 dBA, and were determined to be due to ice accumulation on the sound level meter microphone from freezing temperatures immediately following periods of rain. There were no construction activities in the vicinity of the affected monitors during the affected periods. Appendix D notes the affected periods and monitoring locations.

2.7 Combined Total Noise Exposure (CTNE) Exceedances

Measured CTNE exceedances were qualified from a review of audio samples and daily progress reports. The daily progress reports for the 2022 monitoring period are attached as Appendix B.

CTNE exceedances were identified for further analysis when audible construction noise was recorded at the monitoring location and where nearby construction activities were confirmed.

To clarify the construction noise impact of any CTNE exceedances that were determined to have audible construction noise (and therefore potentially attributable to the project), the PNE (i.e., construction noise independent of the extraneous noise – road, rail) was separated from the monitored data and compared to the allowable PNE (see Table 2.1). The PNE was assumed to be equal to the measured daytime noise level L_d (07:00 to 23:00) and then converted into an L_{dn}. This approach further isolates the construction noise (i.e., PNE) impact by eliminating the nighttime noise contribution when no construction activity occurred continuously between 07:00 and 23:00, and that construction noise was the dominant noise source measured at the monitoring locations during this period.

3 Phase 1 – Round 1

The following sub-sections present the construction monitoring results for Phase 1 – Round 1 undertaken from January 24 to February 20, 2022. Section 3.2 includes discussion on how the results conform to the predictions in the TDR, the effectiveness of mitigation measures implemented prior to Phase 1 – Round 1, and additional mitigation measures implemented through the Adaptive Management process.

3.1 Results

A summary of the construction noise monitoring results for Phase 1 – Round 1 is provided in Table 3.1 and is presented in terms of the measured CTNE and change in %HA. For each metric, the results include the number of identified exceedances with audible construction noise and confirmed activities, and the total number of identified exceedances. Exceedances with audible construction noise and confirmed activities are further assessed in Section 3.2.1 to determine whether they are attributable to the Project. Weekly monitoring summaries and collected hourly sound levels are presented in Appendix D.

Stantec understands that no project-related noise complaints were received during the Phase 1 – Round 1 construction monitoring period.

Monitoring Location (ID)	Combined Total Noise Exposure (CTNE)			Change in %HA		
	Measured, Ldn (dBA)	Allowable, Ldn (dBA)	Exceedance Count (With Audible Construction Noise and Confirmed Activities /Total)	Calculated (%)	Allowable (%)	Exceedance Count (With Audible Construction Noise and Confirmed Activities /Total)
M01 ¹	52 to 60	60	0/0	-2.5 to 1.9	6.5	0/0
M02 ¹	64 to 73	68	0/6	-4.9 to 13.6		0/3
M03	65 to 74	77	0/0	-29.4 to -10.4		0/0
M04	49 to 59	59	0/0	-2.8 to 2.4		0/0
M05	53 to 60	60	0/0	-1.9 to 2.3		0/0
M06	49 to 66	56	0/5	-0.5 to 13.2		0/1
M07	51 to 64	61	2/3	-4.3 to 6.1		0/0
M08 ²	52 to 64	57	1/13 ³	-0.3 to 9.0		0/2
M09	54 to 64	60	0/4	-2.2 to 6.5		0/0
M10	56 to 62	62	0/0	-2.9 to 2.4		0/0

Table 3.1 Phase 1 – Round 1, CTNE and Change in %HA Summary

NOTES:

1. M01 and M02 are located more than 1 km from the limit of Phase 1 Activities; therefore, construction noise contributions to overall sound levels at those locations are expected to be negligible

2. M08 was located approximately 135 m closer to the CN rail line and 10 m closer to Lower Base Line during week 1 of monitoring. M08 was relocated to the proper location, shown in Figure 2.1, during week 2 of monitoring and maintained at the proper location for the remainder of Phase 1 – Round 1

3. 6 out of the 13 identified exceedances were identified when M08 was not at the proper location. The balance of the exceedances, including those with audible construction noise and confirmed activities, was identified at the proper M08 location



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3.2 Discussion

3.2.1 Conformity with Assessment Predictions

This section presents a discussion on the conformity of Phase 1 – Round 1 monitoring results with the TDR assessment predictions, as they relate to meeting the applicable noise criteria.

Table 3.1 lists three CTNE exceedances (with audible construction noise and confirmed activities) of the FTA criteria that were identified during Phase 1 – Round 1: two at M07 and one at M08. No CTNE exceedances (with audible construction noise and confirmed activities) of the allowable change in %HA have been identified for these locations or any other location.

To determine whether the identified CTNE exceedances were attributable to the Project, the PNE was separated from the monitored data and compared to the allowable PNE (see Table 2.2). Table 3.2 lists the identified CTNE exceedances along with the estimated PNE for M07 and M08.

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Monitoring Location (ID)	Date	CTNE, L _{dn} (dBA)	Daytime Noise Level, L _d (dBA)	PNE, L _{dn} (dBA)		PNE Exceedance? (Y/N)
		Measured	Measured	Estimated	Allowable	
M07	Tues-Jan-25-2022	62	60	58	57	Υ
M07	Mon-Jan-31-2022	64	58	56	57	N
M08	Tues-Feb-1-2022	61	55	53	54	Ν

Table 3.2 Phase 1 – Round 1, Combined Total Noise Exposure Exceedances and Project Noise Exposure

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At the M07 monitoring location, the PNE marginally exceeded the allowable PNE limit (57 dBA) on January 25, 2022. Through discussions with the on-site environmental monitor and construction contractor, the exceedance measured on January 25, 2022, was likely due to M07 being located next to the clearing and grubbing path. This is a specific circumstance where M07 would have been capturing excavator noise from only a few metres away; therefore, measured noise levels at M07 would overestimate construction noise levels at the actual receptor (G1-POR011) located across Lower Base Line and approximately 70 m away from the M07 monitoring location.

Based on the location of construction activities relative to G1-POR011 and M07, and an expected noise attenuation of at least 3 dB per doubling of distance, the PNE at G1-POR011 was likely 1 dB or lower than at M07. Therefore, the PNE was likely within the allowable limit at G1-POR011 where the limit (Table 2.2) applies. Further, it is understood that clearing and grubbing activities near M07 have been largely completed, so the likelihood of a similar exceedance event occurring in the future would be minimal. Should a confirmed construction-related exceedance at M07 be identified regularly in the future, the adaptive management process will be implemented.

At M07, the PNE did not exceed the allowable limit on January 31, 2022. The result for January 31, 2022, suggests that the previously identified exceedance (64 dBA) of the allowable CTNE was driven by existing environmental sources (e.g., road and rail).

At M08, the PNE did not exceed the allowable limit on February 1, 2022. The result for February 1, 2022, suggests that the previously identified CTNE exceedance (61 dBA) was driven by existing environmental sources. Notwithstanding this, the adaptive management process was implemented as a discretionary measure to consider the increase in activities expected near M08 as Phase 1 progresses. The adaptive management for M08 is further discussed in Section 3.2.3.

The TDR states that it is feasible for Project construction to take place and meet the FTA and HC guidelines. The change in acoustical environment during Phase 1 of construction is expected to have an acceptable effect, with the incorporation of noise mitigation measures discussed in Section 5.2.2 of the TDR and Section 3.2.2 of this report.

The Phase 1 – Round 1 monitoring results agree with the TDR assessment since the measured noise levels (CTNE, PNE) and change in %HA meet the allowable limits in Table 2.2. The identified exceedance during Phase 1 – Round 1 which was attributable to the Project was unlikely to have caused an exceedance at G1-POR011 where the allowable limits apply. Other identified exceedances were determined to be driven by other environmental noise sources.

March 30, 2023

3.2.2 Effectiveness of Mitigation Measures

Prior to the start of monitoring (Phase 1 – Round 1), the construction contractor had implemented the following mitigation measures and best practices:

- Properly maintain all construction equipment according to manufacturer's recommendations and fit with efficient muffling devices as well as be in accordance with criteria stated in the Environmental Protection Plan (EPP)
- Limit construction activities to within the daytime period when ambient noise levels are expected to be higher.
- Site construction staging and laydown areas to avoid/reduce adverse impacts to sensitive receptors
- Limit the overall sound power level of generators used for construction activity to 107 dBA for each individual unit
- Minimize drop heights of materials and eliminate uncontrolled tailgate banging
- Reduce reverse operations by arranging equipment to enter and leave the Site in the same direction, where feasible.
- Restrict on-site vehicle traffic to approved access routes to and from the Project site area.
- Establish and enforce on-site speed limits, including education, signage
- Implement a no idling policy to control mobile equipment and other vehicle emissions, where applicable (i.e., construction equipment will be turned off when not in use)

These mitigation measures allowed construction noise during Phase 1 – Round 1 to meet the applicable noise criteria. Therefore, the mitigation measures are considered effective.

Upon completion of the Phase 1 – Round 1, CN worked with the construction contractor to implement a noise barrier (discussed in Section 3.2.3) and advance the construction of a permanent noise barrier already identified for construction as additional mitigation for future construction activities. The effectiveness of the noise barrier is discussed in Section 4.2.2.

3.2.3 Adaptive Management

The adaptive management process was followed to investigate the likelihood of future exceedances at the receptors near M08.

A review of expected activities, timing, and distribution of equipment showed that future Phase 1 activities may have the potential to result in increased construction noise relative to Phase 1 – Round 1 in the area east of the mainline and north of Lower Base Line. To proactively address this, a technical review of mitigation measures was undertaken, and plans to construct an interim noise berm were proposed by CN and constructed in September 2022 ahead of the Phase 1 – Round 2 monitoring period.

The noise berm is between 2.5 and 3 m high, and it consists of a segment along Lower Base Line and another segment perpendicular to Lower Base Line. The segment along Lower Base Line is a new noise mitigation implemented to address the construction noise from the anticipated increase in Phase 1 activities. The other noise berm segment forms the base of the future and permanent 5 m noise berm / barrier already identified for construction. This noise berm segment was constructed earlier than originally anticipated to address the future noise from increased Phase 1 activities.

Future construction works through Phase 1 and other Phases will be reviewed to determine if additional mitigation, including increase heights of the interim barriers, is required.

The extents of the interim noise berm are shown in Figure 3.1.





Notes

- Coordinate System: NAD 1983 UTM Zone 17N
 Coordinate System: NAD 1983 UTM Zone 17N
 Control Ministry of Notroid Resources and Forestry
 @ Queen's Printer for Ontario, 2015. Site layout: July 10, 2015.
- 3. Orthoimagery @ First Base Solutions, 2023. Imagery taken in 2021.

- Receptor Location
- Existing Single Track Mainline
- Existing Double Track Mainline Interim Noise Berm
- 🗕 Double Track Mainline

Legend Project Development Area

- Project Component
 On-Owned Property
- SWM Pond



February 2023 160960844

Client/Project Canadian National Railway Milton Logistics Hub Acoustic Follow-up Program

Figure No. 3.1 Title

Interim Noise Berm Locations

4 Phase 1 – Round 2

The following sub-sections present the construction monitoring results for Phase 1 – Round 2 undertaken November 21 to December 18, 2022. Section 4.2 includes discussion on how the results conform to the predictions in the TDR, the effectiveness of mitigation measures implemented prior to Phase 1 – Round 2, and additional mitigation measures implemented through the adaptive management process.

4.1 Results

A summary of the construction noise monitoring results for Phase 1 – Round 2 is provided in Table 4.1 and is presented in terms of the measured CTNE and change in %HA. For each metric, the results include the number of identified exceedances with audible construction noise and confirmed activities, and the total number of identified exceedances. Exceedances with audible construction noise and confirmed activities are further assessed in Section 4.2.1 to determine whether they are attributable to the Project. Weekly monitoring summaries and collected hourly sound levels are presented in Appendix D.

Stantec understands that no project-related noise complaints were received during the Phase 1 – Round 2 construction monitoring period.

 \bigcirc

Monitoring Locations (ID)	Combin	ed Total Nois	e Exposure (CTNE)	Change in %HA			
	Measured, L _{dn} (dBA)	Allowable, L _{dn} (dBA)	Exceedance Count (With Audible Construction Noise and Confirmed Activities /Total)	Calculated (%)	Allowable (%)	Exceedance Count (With Audible Construction Noise and Confirmed Activities /Total)	
M01	54 to 61	60	0/1	-1.5 to 3.4	6.5	0/0	
M02	65 to 71	68	0/7	-4.2 to 8.8		0/2	
M03	68 to 75	77	0/0	-25.0 to -6.2		0/0	
M04	51 to 60	59	0/1	-2.1 to 3.4		0/0	
M05	56 to 64	60	0/3	-0.5 to 7.3		0/1	
M06	51 to 66	56	2/8	-0.1 to 12.9		0/3	
M07	53 to 63	61	1/3	-3.4 to 3.6		0/0	
M08	50 to 62	57	1/1	-0.9 to 6.1		0/0	
M09	56 to 65	60	2/7	-1.3 to 7.7		0/1	
M10	57 to 65	62	0/1	-2.1 to 7.0		0/1	

Table 4.1 Phase 1 – Round 2, CTNE and Change in %HA Summary

NOTE:

1. M01 and M02 are located more than 1 km from the limit of Phase 1 Activities; therefore, construction noise contributions to overall sound levels at those locations are expected to be negligible

CN Milton Logistics Hub: 2022 Construction Acoustic Environment Follow-up Program Results 4 Phase 1 – Round 2 March 30, 2023

4.2 Discussion

4.2.1 Conformity with Assessment Predictions

This section presents a discussion on the conformity of Phase 1 – Round 2 monitoring results with the TDR assessment predictions, as they relate to meeting the applicable noise criteria.

Table 4.1 lists six CTNE exceedances (with audible construction noise and confirmed activities) that were identified during Phase 1 – Round 2: two at M06, one at M07, one at M08, and two at M09. No exceedances (with audible construction noise and confirmed activities) of the allowable change in %HA have been identified.

To determine whether the identified CTNE exceedances were attributable to the Project, the PNE was separated from the monitored data and compared to the allowable PNE (see Table 2.1. lists the identified CTNE exceedances along with the estimated PNE.

CN Milton Logistics Hub: 2022 Construction Acoustic Environment Follow-up Program Results 4 Phase 1 – Round 2 March 30, 2023

Monitoring Date Location (ID)		CTNE, L _{dn} (dBA)	Daytime Noise Level, L₀ (dBA)	PNE, L _{dn} (dBA)		PNE Exceedance? (Y/N)
		Measured	Measured	Estimated	Allowable	
M06	Fri-Nov-25-2022	57	56	54	54	N
M06	Thu-Dec-01-2022	57	55	54	54	N
M09	Tue-Nov-29-2022	63	56	54	57	Ν
M07	Fri-Dec-09-2022	62	58	56	57	Ν
M09	Fri-Dec-09-2022	62	56	54	57	N
M08	Wed-Dec-14-2022	62	52	50	54	Ν

 Table 4.2
 Phase 1 – Round 2, Combined Total Noise Exposure Exceedances and Project Noise Exposure

CN Milton Logistics Hub: 2022 Construction Acoustic Environment Follow-up Program Results 4 Phase 1 – Round 2 March 30, 2023

At M06, the PNE was estimated to be at the allowable limit. As described in Section 2.7, the calculation of the PNE is conservative in that it assumes construction activity occurred continuously between 07:00 and 23:00, and that construction noise was the dominant noise source measured at the monitoring location during this period. The actual PNE is likely lower than the allowable limit since construction activities likely occurred and/or were dominant noise sources for only part of the 07:00 to 23:00 period. The PNE results for M06 suggest that the previously identified CTNE exceedances were driven by the existing acoustic environment, and not construction from the CN project.

At M07, M08, and M09, the PNE did not exceed allowable limits. The PNE was between 1 and 4 dB lower than the allowable limits which suggests the previously identified CTNE exceedances at M07, M08, and M09 were driven by the existing acoustic environment. Further, the 4 to 10 dB difference between the CTNE and the daytime noise level (L_d) indicates that the previously identified exceedances were driven by nighttime noise levels (i.e., during a period when construction did not occur).

The Phase 1 – Round 2 monitoring results agree with the TDR assessment predictions since the measured noise levels (CTNE, PNE) and change in %HA meet the allowable limits in Table 2.2. The identified exceedances during Phase 1 – Round 2 were determined to be driven by other environmental noise sources.

4.2.2 Effectiveness of Mitigation Measures

Following Phase 1 – Round 1, an interim noise berm was constructed in the vicinity of M08, as described in Section 3.2.3. The interim noise berm has been effective in allowing measured noise levels at nearby monitoring locations to meet the allowable limits in Table 2.2. Further, the berm allowed compliance with these limits to be maintained when Phase 1 construction activities were expected to generate the greatest impact.

No other additional or modified mitigation measures, or changes to the interim noise berms have been implemented or identified following the Phase 1 – Round 2 monitoring period.

4.2.3 Adaptive Management

The adaptive management process was not triggered following the Phase 1 – Round 2 monitoring period as there were no identified exceedances attributable to construction activities.

March 30, 2023

5 Summary and Conclusions

This report summarizes the results of the Acoustic Environment FUP for 2022, which covers Year 1 of the construction phase of the Milton Logistics Hub.

The Acoustic Environment FUP was implemented by monitoring noise levels from construction activities during two distinct four-week periods: Phase 1 – Round 1 and Phase 1 – Round 2. Phase 1 – Round 1 represents the first four-week period of Phase 1 construction. Phase 1 – Round 2 represents the four-week period when Phase 1 construction activities were expected to have the highest impact.

The monitoring results for Phase 1 – Round 1 and Phase 1 – Round 2 show that construction noise levels were within the applicable FUP limits (see Table 2.2). Therefore, the monitoring results agree with the TDR assessment, which predicted that that it is feasible for Project construction activities to take place and meet the FTA and HC guidelines.

The mitigation measures implemented ahead of and during the 2022 construction period were effective in allowing construction noise levels at the monitored locations to meet the applicable criteria. Following Phase 1 – Round 1, an interim noise berm was constructed as adaptive management (see Section 3.2.3) to address the potential impact of the anticipated Phase 1 activities at receptor G1-POR018. The adaptive management process involved a technical review of construction activities which supported the implementation of the interim noise berm as an additional/modified mitigation measure.

A copy of this report will be provided to the Impact Assessment Agency of Canada (IAAC) in accordance with Condition 2.9, as well as to HC, the Canadian Transportation Agency, the Mississaugas of the Credit First Nation, Six Nations of the Grand River, and the Huron-Wendat Nation, per the commitments in the Acoustic Environment FUP. In addition, this report will be posted to CN's project website (<u>www.cn.ca/en/about-cn/milton-logistics-hub/</u>) and a summary will be included in CN's 2022 Annual Report.

CN Milton Logistics Hub: 2022 Construction Acoustic Environment Follow-up Program Results 6 References March 30, 2023

March 30, 2023

6 References

- Health Canada. 2017. "Guidance for Evaluating Human Health Impacts in Environmental Assessment."
- International Organization for Standardization. 2017. "ISO 1996-2 Acoustics Description, measurement and assessment of environmental noise – Part 2: Determination of sound pressure levels."
- Minister of the Environment and Climate Change. 2022. "Decision Statement Issued under section 54 of the Canadian Environmental Assessment Act, 2012."
- Ontario Ministry of Environment. 1978. "Publication NPC-103 Procedures."
- Stantec Consulting Ltd. 2015. "CN Milton Logistics Hub Technical Data Report Noise Effects Assessment (Appendix E.10)."
- Stantec Consulting Ltd. 2022. "CN Milton Logistics: Acoustic Environment Follow-up Program."
- Stantec Consulting Ltd. 2015. "Milton Logistics Hub Technical Data Report Baseline Ambient Noise Study."
- U.S. Federal Transit Administration. 2006. "Transit Noise and VIbration Impact Assessment."

APPENDICES

Appendix A Photolog



Photo 1: Sound Level Meter at M01



Photo 3: Sound Level Meter at M03



Photo 5: Sound Level Meter at M05



Photo 2: Sound Level Meter at M02



Photo 4: Sound Level Meter at M04



Photo 6: Sound Level Meter at M06

Client/Project	Date		
Canadian National Railway Company	06/01/2023		
CN Milton Logistics Hub: Annual Results for the Acoustic Environment Follow-Up Program – Construction 2022	Project No. 160960884		
Title PHOTOGRAPHIC RECORD	Page Page 1 of 2		





Photo 7: Sound Level Meter at M07



Photo 9: Sound Level Meter at M09



Photo 8: Sound Level Meter at M08



Photo 10: Sound Level Meter at M10

Client/Project	Date
Canadian National Railway Company	06/01/2023
CN Milton Logistics Hub: Annual Results for the	Project No. 160960884
Acoustic Environment Follow-Up Program – Construction 2022	100900884
Title	Page
PHOTOGRAPHIC RECORD	Page 2 of 2



CN Milton Logistics Hub: 2022 Construction Acoustic Environment Follow-up Program Results Appendix B Daily Progress Reports – Construction March 30, 2023

Appendix B Daily Progress Reports – Construction



			RESS REP	ODT			No.:	20
							-	
PROJECT DESCRIPTION :			e 1: Grading & I	Drainage			DAY:	Monday
	Mile 38.72 to	40.98 Halton	Sub.					04 1 00
	60579933	72 1 1					DATE : WEATHER :	24-Jan-22 Overcast/Snow
CLIENT'S CONTRACT NO.: CONTRACTOR:	BW314-38.		2017			тем	PERATURE:	– 8°C
CONTRACTOR	Dufferin Const	ruction Compa	itiy				PERATURE: -	-80
PREPARED BY :	PAUL SCHIPA	NI						
	PRINT NAM	IE			SIGNATURE			,
LABOUR	,		,		ACTIVITY	,	,	/
CLASSIFICATION "INCLUDING OPERATORS"	WUMBEED	HOUND	CLEARING CRUBBING	Swin,	4Cott 55 Post	C. Mostor	Dating Contraction	^{TOTAL} HOURS
CONTRACTOR:								
Project Manager								0
Project Coordinator								0
Site Superintendent	1	9					1	9
Forman	2	9					2	18
Operator	2	9					2	18
Laborers								0
Surveyor								0
								0
								0
Sub-Contractor:								
Super								0
Foremen								0
Operator								0
Laborers								0
Flagman								0
AMHURST Crane Rental	1	5					1	5
CAT Mechanic	1	9					1	9
Environmental - Stantec							II	
Technician								0
TOTAL LABOUR	7		0	0	0	0	7	59
EQUIPMENT								
TYPE, MODEL, CAPACITY								
CONTRACTOR:								
Excavator - CAT 335F L w/ Grapple(G320B)	1						1	0
Dozer - Deere Nortrax 450J LT	1	9					1	9
Dozer - Deere Nortrax 550K	1						1	0
Backhoe - Deere 310L	1	9					1	9
Plate Tamper								0
Skid Steer Street Sweeper								0
Work Truck								0
Pick Up Truck	2	9					2	18
Generator & Pump								0
Generator -								0
Tri-Axle								0
								0
Environmental							II	
								0
								0
TOTAL EQUIPMENT	6							36
	-						· · · · · ·	-
FLAGMAN'S NAME :	N/A							
TYPE OF PROTECTION :	N/A							
MILE, TIME, ETC. :	N/A							
SITE SAFETY ISSUES:			(include name	es, infraction & ac	tions taken)		
EMPLOYEE NAME	CONT.	SUB.		INFRACTIO			ACTIONS	TAKEN
		1	I					

THIRD PARTY ISSUES:	(include names, discussions actions taken)					
NAME	DISCUSSIONS ACTIONS TA					
ES OF TODAY'S ACTIVITIES & PROGRESS :	(include any delays or instructions to contractors)					

WORKS: Clearing and Grubbing:

DCC delivered the 30 Tonne excavator (CAT 335F) to site yard today in preparation of clearing and grubbing works. DCC had AMHURST Crane rental with Operator and CAT Mechanic to erect hydraulic arm and assemble excavator in site yard today.

OTHER:

DCC excavated trench line and installed a 4" dia. Conduit from site trailers heading South to Lower Base Line for proposed power supply. DCC backfilling installed power supply conduit with excavated trench material with red caution marker tape.



MATERIALS OR EQUIPMENT DELIVERED TO SITE :	QUANTITY	LOCATION



						No.	: 21
	DAILY PROGRESS REPORT Milton Logistics Hub – Phase 1: Grading & Drainage						
PROJECT DESCRIPTION :				DAY	: Tuesday		
	Mile 38.72 to 4 60579933	40.98 Halton S	SUD.			DATE	25-Jan-22
AECOM PROJECT NO.:	BW314-38.7	72 1 1				WEATHER	
CLIENT'S CONTRACT NO.: CONTRACTOR:	Dufferin Constr			TEMPERATURE:			
CONTRACTOR	Duiterin Consu	ruction Compa	liy			I EMPERATURE.	-80
PREPARED BY :	PAUL SCHIPA	NI		_			_
	PRINT NAM	E			SIGNATURE		
LABOUR		<u> </u>			ACTIVITY		/
CLASSIFICATION "INCLUDING OPERATORS"	NUMBER	House and Andrews	CLEARING .	Sure,	^{4CCE555} POAN	EROSION CONTROL	^T OT _{AL} HOURS
CONTRACTOR:							
Project Manager							0
Project Coordinator	1					1	0
Site Superintendent	1	10				1	10
Forman	2	10	1			1	20
Operator	2	10	1			1	20
Laborers							0
Surveyor							0
							0
							0
Sub-Contractor:							
Super							0
Foremen							0
Operator							0
Laborers							0
Flagman							0
							0
							0
Environmental - Stantec							
Technician							0
TOTAL LABOUR	6		2	0	0	0 3	50
EQUIPMENT							
TYPE, MODEL, CAPACITY							
CONTRACTOR:							
Excavator - CAT 335F L w/ Grapple(G320B)	1	10	1				10
Dozer - Deere Nortrax 450J LT	1	3				1	3
Dozer - Deere Nortrax 550K	1					1	0
Backhoe - Deere 310L	1	3				1	3
Plate Tamper							0
Skid Steer Street Sweeper							0
Work Truck			-				0
Pick Up Truck	2	10	2				20
Generator & Pump							0
Generator -							0
Tri-Axle							0
En des estat							0
Environmental							
							0
							0
TOTAL EQUIPMENT	6						36
FLAGMAN'S NAME : TYPE OF PROTECTION :	N/A						
	N/A						
MILE, TIME, ETC. :	N/A						
OTTE CALETY IOOUEO.				(in all of	- infa	ting = tology)	
SITE SAFETY ISSUES:		0112			es, infraction & ac		
EMPLOYEE NAME	CONT.	SUB.		INFRACTIO	N	ACTION	IS TAKEN
		L					

THIRD PARTY ISSUES:	(include names, discussions actions taken)					
NAME	DISCUSSIONS	ACTIONS TAKEN				
NOTES OF TODAY'S ACTIVITIES & PROGRESS :	(include any delay	s or instructions to contractors)				

WORKS: Clearing and Grubbing: DCC began clearing large and small trees and stockpiling along East and West sides of property at site yard (3249 Lower Base Line) today.

OTHER:

DCC completed backfilling power supply trench for yard site offices this morning.



MATERIALS OR EQUIPMENT DELIVERED TO SITE :	QUANTITY	LOCATION



				DODT		No.:	22
		Y PROGF		-			
PROJECT DESCRIPTION :	Milton Logistic			DAY:	Wednesday		
	Mile 38.72 to 4	40.98 Halton S	iub.			DATE :	
	60579933 DW/214-28-7	BW314-38.72-1.1					26-Jan-22
CLIENT'S CONTRACT NO.:			21/	WEATHER : - TEMPERATURE:	Clear - 11°C		
CONTRACTOR :	Dufferin Const	ucuon Compa	ny			IEMPERATURE:	-11 0
PREPARED BY :	PAUL SCHIPA	NI					
,	PRINT NAM	E		-	SIGNATURE		
LABOUR		<u> </u>		,	ACTIVITY	,	/
CLASSIFICATION "INCLUDING OPERATORS"	WUMBEED	HOURS	CLEARING &	Sup,	4ccfiss Roan	Control	⁷ 07 ₄₁ Houng
CONTRACTOR:							
Project Manager							0
Project Coordinator	1					1	0
Site Superintendent	1	9				1	9
Forman	1	9	1				9
Operator	1	9	1				9
Laborers	3					3	0
Surveyor							0
-							0
							0
Sub-Contractor:		1		!			
Super							0
Foremen							0
Operator							0
Laborers							0
Flagman							0
							0
							0
Environmental - Stantec		1					
Technician	1					1	0
TOTAL LABOUR	8		2	0	0	0 5	27
EQUIPMENT	ł						
TYPE, MODEL, CAPACITY							
CONTRACTOR:							
Excavator - CAT 335F L w/ Grapple(G320B)	1	9	1				9
Dozer - Deere Nortrax 450J LT	1					1	0
Dozer - Deere Nortrax 550K	1					1	0
Backhoe - Deere 310L	1					1	0
Plate Tamper							0
Skid Steer Street Sweeper							0
Work Truck							0
Pick Up Truck	2	9	2				18
Generator & Pump							0
Generator -							0
Tri-Axle							0
							0
Environmental							
							0
							0
TOTAL EQUIPMENT	6						27
FLAGMAN'S NAME :	N/A						
TYPE OF PROTECTION :	N/A						
MILE, TIME, ETC. :	N/A						
SITE SAFETY ISSUES:				(include name	es, infraction & ac	tions taken)	
EMPLOYEE NAME	CONT.	SUB.		INFRACTIO	N	ACTIONS	TAKEN

THIRD PARTY ISSUES:	(include names, discussions actions taken)						
NAME	DISCUSSIONS	ACTIONS TAKEN					
NOTES OF TODAY'S ACTIVITIES & PROGRESS :	NOTES OF TODAY'S ACTIVITIES & PROGRESS : (include any delays or instructions to contractors)						
WORKS:							
Clearing and Grubbing:							
DCC continued clearing large and small trees alon	g proposed Maintenance Access Road 2 today.						
0 0							

OTHER: DCC taking delivery of office furniture for Contractors site office today. CN Environmental Contractor visited site this morning to inspect existing oil barrels and contaminated soil areas for future disposal off site.



MATERIALS OR EQUIPMENT DELIVERED TO SITE :	QUANTITY	LOCATION

AECOM

	DAIL	Y PROGF	RESS REI	PORT			No.:	23
PROJECT DESCRIPTION :	Milton Logisti						DAY :	Thursday
	Mile 38.72 to							
AECOM PROJECT NO. :	60579933						DATE :	27-Jan-22
CLIENT'S CONTRACT NO.:	BW314-38.7	72-1.1					WEATHER :	Overcast
CONTRACTOR :	Dufferin Const		nv				PERATURE:	-5°C
			,					
PREPARED BY :	PAUL SCHIPA	NI						
	PRINT NAM	E		-	SIGNATURE			
LABOUR		7			ACTIVITY			7
	/	//	/	/		. /	/	′,
CLASSIFICATION "INCLUDING OPERATORS"	NUMBER	^{#OUMS}	CLEARING R	SWP7	ACCESS ROAD	CONTON CONTON	^{kareo}	⁷ 01al houns
		/			/ ₹	/		/ ~~
CONTRACTOR:								
Project Manager								0
Project Coordinator	1						1	0
Site Superintendent	1	9					1	9
Forman	1	9	1					9
Operator	1	9	1					9
Laborers	2	9	2					18
Surveyor								0
,								0
	1							0
Sub-Contractor:								-
Super								0
Foremen								0
Operator								0
Laborers								0
Flagman								0
								0
								0
Environmental - Stantec								-
Technician	1						1	0
TOTAL LABOUR	7		4	0	0	0	2	45
EQUIPMENT				-		-		-
TYPE, MODEL, CAPACITY								
CONTRACTOR:								
Excavator - CAT 335F L w/ Grapple(G320B)	1	9	1					9
Wood Chipper - Vermeer RC1000	1	9	1					9
Dozer - Deere Nortrax 450J LT	1	-					1	0
Dozer - Deere Nortrax 550K	1						1	0
Backhoe - Deere 310L	1	3					1	3
Plate Tamper							-	0
Skid Steer Street Sweeper		† – – – – – – – – – – – – – – – – – – –						0
Work Truck								0
Pick Up Truck	2	9	2					18
Generator & Pump								0
Generator -								0
Tri-Axle								0
								0
Environmental								0
Livionnenta								0
								0
TOTAL EQUIPMENT	7							39
	. ,	1						39
FLAGMAN'S NAME :	N/A							
TYPE OF PROTECTION :	_							
	N/A							
MILE, TIME, ETC. :	N/A							
SITE SAFETY ISSUES:	-		1		es, infraction & ac	tions taken)		
EMPLOYEE NAME	CONT.	SUB.		INFRACTIO	N		ACTIONS	TAKEN
1	1	1	1					

THIRD PARTY ISSUES:		(include names, discussions act	tions taken)
NAME	DISCUSSION		ACTIONS TAKEN
NOTES OF TODAY'S ACTIVITIES & PROGRESS :		(include any delays)	or instructions to contractors)
		(include any delays	
IORKS:			
learing and Grubbing:			
CC continued clearing large and small trees along	g proposed Maintenance Access Ro	ad 2 today.	
CC began cleaning tree stockpile and feeding sm	aller tree branches through wood ch	ipper.	
THER:			
Decal Farmer began clearing existing corn field loca	ated just North of proposed Mainten	Ince Access Road 2	
	ated Just North of proposed Maintena	Ince Access Road 2.	
SKETCH OR PHOTOS OF DAY'S ACTIVITIES :			
	AL.		XX.
- Martin	Antonio	Kupa	Wellen and and
	1007 × 12072		1. Anna
and the second s			
2 -			
			-
	Carlos and the second	1	
A Designed and the			
		and the second	a sa an
	QUANTITY		

MATERIALS OR EQUIPMENT DELIVERED TO SITE :	QUANTITY	LOCATION						

AECOM

	DAIL			No.:		24		
PROJECT DESCRIPTION :	Milton Logistics Hub – Phase 1: Grading & Drainage						DAY :	Friday
	Mile 38.72 to					,		
AECOM PROJECT NO. :	60579933				DATE :	28-Jan-22		
CLIENT'S CONTRACT NO.:	BW314-38.7	72-1.1			WEATHER :	Sunny		
CONTRACTOR :	Dufferin Const		ny	TEM	PERATURE:	- 14°C		
PREPARED BY :	PAUL SCHIPA	NI						
	PRINT NAM	E			SIGNATURE			
LABOUR		7			ACTIVITY			7
	/					<u> </u>		7 6
CLASSIFICATION "INCLUDING OPERATORS"	NUMBER	HOURE	CLEARING &	Sup ₇	ACCESS ROAD	EROSION CONTION	OH NOT	Drat Houns
CONTRACTOR:	Í	(/	í í	<u>, </u>		Í	,
Project Manager								0
Project Coordinator	1						1	0
Site Superintendent	1						1	0
Forman							-	0
Operator	1	9	1					9
Laborers	2	9	2					18
Surveyor			-					0
	+							0
	+							0
Sub-Contractor:								0
Super								0
Foremen								0
Operator								0
Laborers								0
Flagman								0
								0
								0
Environmental - Stantec				II				-
Technician								0
TOTAL LABOUR	5		3	0	0	0	1	27
EQUIPMENT	1							
TYPE, MODEL, CAPACITY								
CONTRACTOR:								
Excavator - CAT 335F L w/ Grapple(G320B)	1	9	1					9
Wood Chipper - Vermeer RC1000	1	9	1					9
Dozer - Deere Nortrax 450J LT	1						1	0
Dozer - Deere Nortrax 550K	1						1	0
Backhoe - Deere 310L	1						1	0
Chainsaw - Skil	2	9	2					18
Skid Steer Street Sweeper	1							0
Work Truck								0
Pick Up Truck	2	9	2					18
Generator & Pump	1							0
Generator -								0
Tri-Axle								0
								0
Environmental								
								0
								0
TOTAL EQUIPMENT	9							54
FLAGMAN'S NAME :	N/A							
TYPE OF PROTECTION :	N/A							
MILE, TIME, ETC. :	N/A							
SITE SAFETY ISSUES:				(include name	s, infraction & ac	tions taken)		
EMPLOYEE NAME	CONT.	SUB.		INFRACTION	N		ACTIONS	TAKEN

THIRD PARTY ISSUES:	(include names, discussions actions taken)						
NAME	DISCUSSIONS	ACTIONS TAKEN					
OTES OF TODAY'S ACTIVITIES & PROGRESS :	(include any delays or instructions to contractors)						

WORKS:

Clearing and Grubbing:

DCC clearing large and small trees along second section of culvert 3 and new ditch to Indian Creek. DCC continued cleaning tree stockpile and feeding smaller tree branches through wood chipper.

OTHER:

Local Farmer completed clearing existing corn field located just North of proposed Maintenance Access Road 2.



MATERIALS OR EQUIPMENT DELIVERED TO SITE :	QUANTITY	LOCATION

AECOM

	DAIL			No.:	25			
PROJECT DESCRIPTION :	Milton Logistics Hub – Phase 1: Grading & Drainage Mile 38.72 to 40.98 Halton Sub.						DAY :	Monday
							-	monday
AECOM PROJECT NO. :	60579933				DATE :	31-Jan-22		
CLIENT'S CONTRACT NO.:	BW314-38.7	72-1.1			WEATHER :	Partly Cloudy		
CONTRACTOR :	Dufferin Constru	uction Company	/			TEN	PERATURE:	– 4°C
PREPARED BY :	PAUL SCHIPA	NI			-			
FREFARED BT		NI .						
Г	PRINT NAM	E			SIGNATURE			
LABOUR		<u> </u>			ACTIVITY			/
CLASSIFICATION "INCLUDING OPERATORS"	NUMBER	HOURS	CLEARING &	Suno,	⁴ CQE _{SS} ROUN	EPOSION CONTON	Dour Outry	ronal Houns
CONTRACTOR:		Í		[[Í	
Project Manager								0
Project Coordinator	1						1	0
Site Superintendent	1						1	0
Forman								0
Operator	1	9	1					9
Laborers	2	9	2					18
Surveyor								0
								0
								0
Sub-Contractor:								
Super								0
Foremen								0
Operator								0
Laborers								0
Flagman								0
	_							0
								0
Environmental - Stantec		1						0
Technician								0
TOTAL LABOUR	5		3	0	0	0	1	27
EQUIPMENT	5		5	0	0	0	1	21
TYPE, MODEL, CAPACITY								
CONTRACTOR:								
Excavator - CAT 335F L w/ Grapple(G320B)	1	9	1					9
Wood Chipper - Vermeer RC1000	1		1					0
Dozer - Deere Nortrax 450J LT	1		-				1	0
Dozer - Deere Nortrax 550K	1						1	0
Backhoe - Deere 310L	1						1	0
Chainsaw - Skil	2	9	2					18
Skid Steer Street Sweeper								0
Work Truck								0
Pick Up Truck	2	9	2					18
Generator & Pump								0
Generator -								0
Tri-Axle								0
								0
Environmental								
								0
								0
TOTAL EQUIPMENT	9							45
FLAGMAN'S NAME :								
TYPE OF PROTECTION :	N/A							
MILE, TIME, ETC. :	N/A							
WILE, I IWIE, EI C	N/A							
SITE SAFETY ISSUES:				(include norma	es, infraction & act	tions takon)		
EMPLOYEE NAME	CONT.	SUB.		INFRACTION		aono lanenj	TAKEN	
		000.			•		4011010	
	-							
		1						

THIRD PARTY ISSUES:	(include names, discussions actions taken)							
NAME	DISCUSSIONS	ACTIONS TAKEN						
NOTES OF TODAY'S ACTIVITIES & PROGRESS :	(include any delays or instructions to contractors)							
WORKS:								
Ole sales a surel Onubleter au								

Clearing and Grubbing: DCC completed clearing large and small trees along second section of culvert 3 and new ditch to Indian Creek. DCC installed 2 sections of silt fence at Indian Creek ditch inlet embankment from ground disturbance with excavator from tree clearing access. DCC also added wood mulch to these areas for possible surface water erosion control. DCC continued cleaning tree stockpiles this afternoon.

OTHER:

Town of Milton Rep. on site this afternoon to request site visit/tour. CN/Town to coordinate site visit as any visitors will require formal site orientation and Safety P.P.E before entering site.



MATERIALS OR EQUIPMENT DELIVERED TO SITE :	QUANTITY	LOCATION



DAILY PROGRESS REPOR	रा	No.:	26
Milton Logistics Hub – Phase 1: Grading & Drain	age	DAY :	Tuesday
Mile 38.72 to 40.98 Halton Sub.			
60579933		DATE :	1-Feb-22
BW314-38.72-1.1		WEATHER :	Partly Cloudy
Dufferin Construction Company		TEMPERATURE:	3°C
PAUL SCHIPANI			
PRINT NAME	SIGNATURE		

LABOUR								
CLASSIFICATION "INCLUDING OPERATORS"	NUMBER	HOURS	CLEARING &	Ship,	4CCESS POAL	EROSION CONTON	logi.	⁷ OT ₄₁ HOURS
CONTRACTOR:	Í	í – – –	í – – – – – – – – – – – – – – – – – – –	Í	Í	/		
Project Manager								0
Project Coordinator	1						1	0
Site Superintendent	-						-	0
Forman	1	9	1					9
Operator	1	9	1					9
Laborers	1	9	1					9
Surveyor			-					0
Environmental Inspector								0
								0
Sub-Contractor:								-
Super								0
Foremen								0
Operator								0
Laborers								0
Flagman								0
								0
								0
Environmental:								
Stantec Environmental Monitor								0
Stantec Technicians	1		1					0
TOTAL LABOUR	5		4	0	0	0	0	27
EQUIPMENT	1							
TYPE, MODEL, CAPACITY								
CONTRACTOR:			1					
Excavator - CAT 335F L w/ Grapple(G320B)	1	9	1					9
Wood Chipper - Vermeer RC1000	1						1	0
Dozer - Deere Nortrax 450J LT	1						1	0
Dozer - Deere Nortrax 550K	1						1	0
Backhoe - Deere 310L	1						1	0
Chainsaw - Skil								0
Skid Steer Street Sweeper Work Truck								0
Pick Up Truck	2	9	2					18
Generator & Pump	2	9	2					0
Generator -								0
Tri-Axle								0
								0
Environmental								Ŭ
								0
								0
TOTAL EQUIPMENT	7							27
FLAGMAN'S NAME :	Todd C Trad	k Supervisor						
TYPE OF PROTECTION :	Safety Watch							
MILE, TIME, ETC. :	Mile 40.69, Ha	Iton Sub., 07:	00am to 08:0	Dam				
	1							
SITE SAFETY ISSUES:	(include names, infraction & act					tions taken)		
EMPLOYEE NAME	CONT. SUB. INFRACTION						ACTION	S TAKEN
	1	I	I					
THIRD PARTY ISSUES:	(include names discussions actions taken)							
NAME	(include names, discussions actions taken) DISCUSSIONS ACTIONS TAKEN						S TAKEN	
			DISCUSSION	•			ACTION	
	1							
NOTES OF TODAY'S ACTIVITIES & PROGRESS : (include any delays or instructions to contractors)							s)	

PROJECT DESCRIPTION : AECOM PROJECT NO. :

CLIENT'S CONTRACT NO. : CONTRACTOR : PREPARED BY :

WORKS:

Clearing and Grubbing:

DCC crossed mainline rail road crossing at Lower Base Line this morning with Excavator to begin clearing proposed Southern end of track realignment tie in. CN Track Supervisor on site to monitor equipment crossing. DCC had rubber mats placed overtop of rail road crossing for additional protection during equipment crossing.

DCC began clearing large trees and stockpiling along West side of CN property at 3242 Lower Base Line for proposed Southern end track realignment.

OTHER:

DCC had Engineering support site office trailer (1of 2) delivered to site this morning. DCC encountered mechanical issues with rental wood chipper this morning. The Wood chipper was found to be leaking a small amount of

hydraulic fluid at site yard. DCC had equipment removed from site for repairs and surface leaking area material was removed and contained in barrel for future off site disposal. Incident spill report to follow by DCC.





			RESS RE	PORT		No	.: 27
PROJECT DESCRIPTION :	DAILY PROGRESS REPORT Milton Logistics Hub – Phase 1: Grading & Drainage Mile 38.72 to 40.98 Halton Sub.					DAY	: Wednesday
AECOM PROJECT NO. :	60579933			DATE	: 2-Feb-22		
CLIENT'S CONTRACT NO. :	BW314-38	72-1 1				WEATHER	-
CONTRACTOR :		truction Comp	anv			TEMPERATURE	
	Buildin Conc		Juliy				
PREPARED BY :	PAUL SCHIP	ANI					
	PRINT NAM	ΛE		-	SIGNATURE		-
LABOUR		1			ACTIVITY		/
CLASSIFICATION "INCLUDING OPERATORS"	MUMBE	Hours	CLEARING C	Sup.	4Cotiss Road	C. NORON	¹⁰ 141 HOURS
CONTRACTOR:		Í	Í	ĺ	Í	Í	Í
Project Manager							0
Project Coordinator							0
Site Superintendent							0
Forman		1	1				0
Operator		1					0
Laborers		1	1	1			0
Surveyor		1	1	1			0
Environmental Inspector		1	1	1			0
		+					0
Sub-Contractor:				ļ			0
Super					I		0
							0
Foremen							0
Operator							
Laborers							0
							-
Flagman							0
							0
							0
Environmental:				1			1
Stantec Environmental Monitor							0
Stantec Technicians							0
TOTAL LABOUR	0		0	0	0	0 0	0
EQUIPMENT							
TYPE, MODEL, CAPACITY							
CONTRACTOR:							
Excavator - CAT 335F L w/ Grapple(G320B)	1		1				0
Wood Chipper - Vermeer RC1000							0
Dozer - Deere Nortrax 450J LT	1					1	0
Dozer - Deere Nortrax 550K	1					1	0
Backhoe - Deere 310L	1					1	0
Chainsaw - Skil							0
Skid Steer Street Sweeper							0
Work Truck			1	1			0
Pick Up Truck							0
Generator & Pump		1	1				0
Generator -							0
Tri-Axle		1					0
		1					0
Environmental		I	I	I		II	
							0
		+					0
TOTAL EQUIPMENT	4						0
	4						U
FLAGMAN'S NAME :							
I LAGMAN 3 NAME .	N/A						

TYPE OF PROTECTION :	TYPE OF PROTECTION : N/A											
MILE, TIME, ETC. :	N/A											
SITE SAFETY ISSUES:			(include names, infraction & a	ctions taken)							
EMPLOYEE NAME	CONT. SUB. INFRACTION ACTIONS TAKEN											
	00111	000.			ACTIONO FAREN							
THIRD PARTY ISSUES:			-	nclude names, discussions a								
NAME			DISCUSSION	S	ACTIONS TAKEN							
NOTES OF TODAY'S ACTIVITIES & PROGRESS :				(include any delays	or instructions to contractors)							
WORKS:												
Clearing and Grubbing:												
No Activity/No Forces on site due to rain and expe	cted snow fa	II later toda	у.									
SKETCH OR PHOTOS OF DAY'S ACTIVITIES :												
					FEBY 272022							
MATERIALS OR EQUIPMENT DELIVERED TO SITE :		QUANTITY			LOCATION							



	DAIL	Y PROG	RESS RE		No.:	28		
PROJECT DESCRIPTION :	Milton Logistics Hub – Phase 1: Grading & Drainage Mile 38.72 to 40.98 Halton Sub.						DAY :	Thursday
						-	-	
AECOM PROJECT NO. :	60579933						DATE :	3-Feb-22
CLIENT'S CONTRACT NO. :	BW314-38	3.72-1.1				•	WEATHER :	Overcast
CONTRACTOR :	Dufferin Con	struction Com	pany			TEM	PERATURE:	– 6°C
PREPARED BY :	PAUL SCHIF	PANI						
	PRINT NA	ME		-	SIGNATURE			
LABOUR		/			ACTIVITY			/
CLASSIFICATION "INCLUDING OPERATORS"	Line of the second s	MOIL.	CLEARING CO	Sha	ACCESS ROAL	Conconcertainte	louin Carry	¹ 01 _{Al} Hours
CONTRACTOR:		ĺ	1	Í	ĺ	ĺ	ÍÍÍ	
Project Manager								0
Project Coordinator								0
Site Superintendent								0
Forman	1	4					1	4
Operator	1	4					1	4
Laborers	1	4					1	4
Surveyor								0
Environmental Inspector								0
								0
Sub-Contractor:	_	-		1	1			0
Super								0
Foremen								0
Operator Laborers								0
								0
Flagman								0
Flagman		-			+			0
		_			+			0
Environmental:								0
Stantec Environmental Monitor				1				0
Stantec Technicians								0
								0
TOTAL LABOUR	3		0	0	0	0	3	12
EQUIPMENT			, °	Ů	<u> </u>	, î		
TYPE, MODEL, CAPACITY								
CONTRACTOR:								
Excavator - CAT 335F L w/ Grapple(G320B)	1		1					0
Wood Chipper - Vermeer RC1000					1			0
Dozer - Deere Nortrax 450J LT	1	3					1	3
Dozer - Deere Nortrax 550K	1						1	0
Backhoe - Deere 310L	1	3					1	3
Chainsaw - Skil		-						0
Skid Steer Street Sweeper			1		1			0
Work Truck		1	1	1	1	1		0
Pick Up Truck	2						2	0
Generator & Pump								0
Generator -						İ		0
Tri-Axle				1	1	İ		0
								0
Environmental			•	-	-	-	• •	
								0
								0
TOTAL FOUIPMENT	6			1		I	1 1	6

N/A

TYPE OF PROTECTION :	N/A					
MILE, TIME, ETC. :	MILE, TIME, ETC. : N/A					
SITE SAFETY ISSUES:						
			(nclude names, infraction & a	•	
EMPLOYEE NAME	CONT.	SUB.		INFRACTION	ACTIONS TAKEN	
THIRD PARTY ISSUES:			(i	nclude names, discussions a	ctions taken)	
NAME			DISCUSSION	6	ACTIONS TAKEN	
NOTES OF TODAY'S ACTIVITIES & PROGRESS :				(include any delays	or instructions to contractors)	
				(include any delaye		
WORKS:						
Clearing and Grubbing:						
No Construction Activity Today due to overnight s	nowfall.					
DCC on site this afternoon to clear snow at site ya						
	ard.					
SKETCH OR PHOTOS OF DAY'S ACTIVITIES :						
MATERIALS OR EQUIPMENT DELIVERED TO SITE :		QUANTITY			LOCATION	
	1					



Dublic Description: Dury Format Mile 33.72 to 408 Hitton Sub. All Soft Hitton Sub. Dury Format Contractor Contractor Contractor Contractor Contractor Contractor Contractor Contractor Contractor <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>N</th> <th>20</th>								N	20
Mail Solution Solution Solution Solution DUM Solution Solution Solution Solution Solution DUM Solution Solution Solution Solution Solution REPARED B1: DUM Solution Soluti		DAILY PROGRESS REPORT						No.:	29
AECOM PROJECT NO ::	PROJECT DESCRIPTION :	Milton Logisti	ics Hub – Phas	e 1: Grading a	& Drainage		_	DAY :	Friday
Dubbit Divide 38, 72-11 WEATHER: Petry Clocy CONTRACTOR: Datem Contractors TEMPERATURE -10°C PREPARED BY: PRINT NAME SIGNATURE -10°C CLASS PRICATION "INCLUDING OPERATORS" SIGNATURE SIGNATURE -10°C CLASS PRICATION "INCLUDING OPERATORS" SIGNATURE CONTRACTOR: ACTIVITY -10°C CONTRACTOR: ACTIVITY ACTIVITY -10°C -10°C -10°C Signation Activity Act		Mile 38.72 to	40.98 Halton	Sub.					
Outerin Construction Company TEMPERATURE -1/°C PREPARED BY: PRINT NAME SIGNATURE -1/°C CLASSIFICATION "INCLUDING OPERATORS" ACTIVITY ACTIVITY ////////////////////////////////////	AECOM PROJECT NO. :	60579933	60579933					DATE :	4-Feb-22
PREPARED BY: PALL SCHPANI PREPARED BY: SIGNATURE LABOUR ACTIVITY LABOUR ACTIVITY CONTRACTOR: ACTIVITY Sub-Contractor: ACTIVITY Superior ACTIVITY Foremen ACTIVITY Contractor: ACTIVITY Super ACTIVITY Stabecontractor: ACTIVITY Super ACTIVITY Stabecontractor: ACTIVITY Super ACTIVITY ACTIVITY Super ACTIVITY ACTIVITY Super ACTIVITY ACTIVITY	CLIENT'S CONTRACT NO. :	BW314-38.	72-1.1				w	EATHER :	Partly Cloudy
PRINT NAME JGGNATURE LABOUR ACTIVITY CLASSIFICATION "INCLUDING OPERATORS" Jgg Jgg <th< td=""><td>CONTRACTOR :</td><td>Dufferin Cons</td><td>truction Comp</td><td>bany</td><td></td><td></td><td>TEMPE</td><td>RATURE:</td><td>– 10°C</td></th<>	CONTRACTOR :	Dufferin Cons	truction Comp	bany			TEMPE	RATURE:	– 10°C
PRINT NAME JGGNATURE LABOUR ACTIVITY CLASSIFICATION "INCLUDING OPERATORS" Jgg Jgg <th< td=""><td></td><td></td><td>ΔΝΙ</td><td></td><td></td><td></td><td>-</td><td></td><td></td></th<>			ΔΝΙ				-		
LABOUR ACTIVITY CLABBURATION "INCLUDING OPERATORS" ACTIVITY CLASSIFICATION "INCLUDING OPERATORS" ACTIVITY CONTRACTOR: ACTIVITY Project Manager ACTIVITY Project Conflator ACTIVITY Site Superintendent O Forman ACTIVITY Operator ACTIVITY Site Superintendent O Forman ACTIVITY Operator ACTIVITY Subcorr ACTIVITY Subcorr ACTIVITY Super ACTIVITY Foremen ACTIVITY Operator ACTIVITY Subcorr ACTIVITY Flagman ACTIVITY TYPE, MODEL, CAMARTY ACTIVITY CONTRACTOR: ACTIVITY TYPE, MODEL, CAMARTY ACTIVITY CONTRACTOR: ACTIVITY TYPE, MODEL, CAMARTY ACTIVITY Contractor: ACTIVITY TYPE, MODEL, CAMARTY ACTIVITY ContractorSULT ACTIVITY <td></td> <td></td> <td></td> <td></td> <td>_</td> <td></td> <td></td> <td></td> <td></td>					_				
CLASSFICATION "INCLUDING OPERATORS" Image of the second seco		PRINT NAM	<u>ЛЕ</u>	_					
CONTRACTOR: M M M M M M Project Confinator 0 0 0 0 Site Superintendent 0 0 0 0 Forman 0 0 0 0 Operator 0 0 0 0 Laborers 0 0 0 0 Surveyor 0 0 0 0 Sub-Contractor: 0 0 0 0 Super 0 0 0 0 0 Foremen 0 0 0 0 0 Contractor: 0 0 0 0 0 Laborers 0 0 0 0 0 0 Iaborers 0 0 0 0 0 0 0 Stantec Techniclans 0 0 0 0 0 0 0 Contractor: Executor: Cat1	LABOUR		<u> </u>						/
CONTRACTOR: M M M M M M Project Confinator 0 0 0 0 Site Superintendent 0 0 0 0 Forman 0 0 0 0 Operator 0 0 0 0 Laborers 0 0 0 0 Surveyor 0 0 0 0 Sub-Contractor: 0 0 0 0 Super 0 0 0 0 0 Foremen 0 0 0 0 0 Contractor: 0 0 0 0 0 Laborers 0 0 0 0 0 0 Iaborers 0 0 0 0 0 0 0 Stantec Techniclans 0 0 0 0 0 0 0 Contractor: Executor: Cat1	CLASSIFICATION "INCLUDING OPERATORS"	NUMBE	⁴⁰ ¹⁰	CLEARING C	SINC	ACCESS ROAL	CONTROL	, ¹ ARO	¹ 01 ₄₁ Hours
Project Coordinator Image:	CONTRACTOR:	<u> </u>	Í	Í	Í	Í	ÍÍ		
Project Coordinator Image:	Project Manager	1							0
Site Superintendent Image: Site Site Site Site Site Site Site Site		1	1	1	1	1			
Forman Image: Constraint of the second									-
Operator Image: Constractor Image: Constractor Image: Constractor Image: Constractor Sub-Contractor: Image: Constractor Image: Constractor Image: Constractor Image: Constractor Super Image: Constractor Image: Constractor Image: Constractor Image: Constractor Super Image: Constractor Image: Constractor Image: Constractor Image: Constractor Super Image: Constractor Image: Constractor Image: Constractor Image: Constractor Super Image: Constractor Image: Constractor Image: Constractor Image: Constractor Super Stress Image: Constractor Image: Constractor Image: Constractor Image: Constractor Flagman Image: Constractor Image: Constractor Image: Constractor Image: Constractor Stantec TechnicIans Image: Constractor Image: Constractor Image: Constractor Image: Constractor TYPE, MOBEL, CAPACITY Image: Constractor Image: Constractor Image: Constractor Image: Constractor TYPE, MOBEL, CAPACITY Image: Constractor Image: Constractor	· · ·	-	1						-
Laborers Image: Constraint of the second s			1	1	1				-
Surveyor Image: Construction of the second seco	-		<u> </u>		1				-
Environmental Inspector Sub-Contractor: Super									-
Sub-Contractor: O O Super 0 0 0 Foremen 0 0 0 Operator 0 0 0 Laborers 0 0 0 Flagman 0 0 0 Environmental 0 0 0 States Environmental Monitor 0 0 0 States Environmental Monitor 0 0 0 States Environmental Monitor 0 0 0 0 States Environmental Monitor 0 0 0 0 0 States Environmental Monitor 0 0 0 0 0 0 States Environmental Monitor 0 0 0 0 0 0 States Environmental Monitor 0 0 0 0 0 0 States Environmental Monitor 0 0 0 0 0 0 CONTRACTOR: Execavator - CAT 335F L w/ Grap	-								-
Sub-Contractor: Image: Contractor: Image: Con			+	+	<u> </u>		├		-
Super 0 0 Foremen 0 0 Operator 0 0 Laborers 0 0 Environmental 0 0 Startec Technicians 0 0 Starte Technicians 0 0 TOTAL LABOUR 0 0 0 CONTRACTOR: 1 0 0 Excavator - CAT 335F L w/ Grappie(G320B) 1 1 0 Dozer - Deere Nortrax 4501LT 1 0 0 Dozer - Deere R 30L 1 1 0 Backhoe - Deere 310L 1 0 <	Sub Contractory	<u> </u>							0
Foremen Image: Constraint of the second		<u> </u>		1		1			0
Operator Image: Second se	· ·								
Laborers Image: Constraint of the second									-
Flagman Image: Constraint of the second se	-	<u> </u>							-
Image: State C Environmental Monitor Image: State C Environmental Monitor Image: State C Environmental Monitor Image: State C Environmental Monitor Stantec Technicians Image: State C Environmental Monitor Image: State C Environmental Monitor Image: State C Environmental Monitor Stantec Technicians Image: State C Environmental Monitor Image: State C Environmental Monitor Image: State C Environmental Monitor TOTAL LABOUR Image: State C Environmental Monitor Image: State C Environmental Monitor Image: State C Environmental Monitor TOTAL LABOUR Image: State C Environmental Monitor Image: State C Environmental Monitor Image: State C Environmental Monitor TOTAL LABOUR Image: State C Environmental Monitor Image: State C Environmental Monitor Image: State C Environmental Monitor TYPE, MODEL, CAPACITY Image: State C Environmental Monitor Image: State C Environmental Monitor Image: State C Environmental Monitor Excavator - CAPT 32SF L w/ Grapple (G320B) Image: State C Environmental Monitor Image: State C Environmental Monitor Image: State C Environmental Monitor Dozer - Deere Nortrax 4501 LT Image: State C Environmental Image: State C Environmental Monitor Image: State C En	Laborers								0
Image: State C Environmental Monitor Image: State C Environmental Monitor Image: State C Environmental Monitor Image: State C Environmental Monitor Stantec Technicians Image: State C Environmental Monitor Image: State C Environmental Monitor Image: State C Environmental Monitor Stantec Technicians Image: State C Environmental Monitor Image: State C Environmental Monitor Image: State C Environmental Monitor TOTAL LABOUR Image: State C Environmental Monitor Image: State C Environmental Monitor Image: State C Environmental Monitor TOTAL LABOUR Image: State C Environmental Monitor Image: State C Environmental Monitor Image: State C Environmental Monitor TOTAL LABOUR Image: State C Environmental Monitor Image: State C Environmental Monitor Image: State C Environmental Monitor TYPE, MODEL, CAPACITY Image: State C Environmental Monitor Image: State C Environmental Monitor Image: State C Environmental Monitor Excavator - CAPT 32SF L w/ Grapple (G320B) Image: State C Environmental Monitor Image: State C Environmental Monitor Image: State C Environmental Monitor Dozer - Deere Nortrax 4501 LT Image: State C Environmental Image: State C Environmental Monitor Image: State C En									
Environmental:	Flagman								
Environmental: Image: Control of the second se									-
Stantec Environmental Monitor 0 0 0 0 0 Stantec Technicians 0 0 0 0 0 0 0 TOTAL LABOUR 0 0 0 0 0 0 0 0 TOTAL LABOUR 0 0 0 0 0 0 0 0 0 EQUIPMENT TYPE, MODEL, CAPACITY 0									0
Stantec Technicians Image: Stantec Technicians Image:					1				
TOTAL LABOUR O <t< td=""><td>Stantec Environmental Monitor</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Stantec Environmental Monitor								
EQUIPMENT TYPE, MODEL, CAPACITY CONTRACTOR: Excavator - CAT 33SF L w/ Grapple(G320B) 1 1 0 0 Wood Chipper - Vermeer RC1000 1 1 0 0 Dozer - Deere Nortrax 4501 LT 1 0 0 0 Backhoe - Deere Nortrax 550K 1 1 0 0 Backhoe - Deere 310L 1 1 0 0 Skid Steer Street Sweeper 0 0 0 0 Work Truck 0 0 0 0 Generator & Pump 0 0 0 0 Generator & Pump 0 0 0 0 Generator - 1 0 0 0 Tri-Axle 0 0 0 0 Environmental 0 0 0 0 Tri-Axle 0 0 0 0 O 0 0 0 0 0	Stantec Technicians								0
EQUIPMENT TYPE, MODEL, CAPACITY CONTRACTOR: Excavator - CAT 33SF L w/ Grapple(G320B) 1 1 0 0 Wood Chipper - Vermeer RC1000 1 1 0 0 Dozer - Deere Nortrax 4501 LT 1 0 0 0 Backhoe - Deere Nortrax 550K 1 1 0 0 Backhoe - Deere 310L 1 1 0 0 Skid Steer Street Sweeper 0 0 0 0 Work Truck 0 0 0 0 Generator & Pump 0 0 0 0 Generator & Pump 0 0 0 0 Generator - 1 0 0 0 Tri-Axle 0 0 0 0 Environmental 0 0 0 0 Tri-Axle 0 0 0 0 O 0 0 0 0 0									
TYPE, MODEL, CAPACITY CONTRACTOR: Excavator - CAT 335F L w/ Grapple(G320B) 1 1 0 Wood Chipper - Vermeer RC1000 1 0 0 Dozer - Deere Nortrax 4501 LT 1 1 0 Dozer - Deere Nortrax 550K 1 1 0 1 0 Backhoe - Deere 310L 1 1 0 1 0 Chainsaw - Skil 1 0 0 0 0 0 Skid Steer Street Sweeper 0 0 0 0 0 0 Work Truck 0 0 0 0 0 0 0 Pick Up Truck 0 0 0 0 0 0 0 Generator - 0 <td< td=""><td></td><td>0</td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></td<>		0		0	0	0	0	0	0
CONTRACTOR: I I I O Excavator - CAT 335F L w/ Grapple(G320B) 1 1 0 0 Wood Chipper - Vermeer RC1000 I I 0 0 Dozer - Deere Nortrax 4501 LT 1 I 0 0 Dozer - Deere Nortrax 550K 1 I I 0 Backhoe - Deere 310L 1 I I 0 Chainsaw - Skil I I I 0 Skid Steer Street Sweeper I I I 0 Work Truck I I I I 0 Pick Up Truck I I I I 0 Generator & Pump I I I I I I Tri-Axle I									
Excavator - CAT 335F L w/ Grapple(G320B) 1 1 0 0 Wood Chipper - Vermeer RC1000 1 0 0 0 Dozer - Deere Nortrax 4501 LT 1 1 0 1 0 Dozer - Deere Nortrax 550K 1 1 0 1 0 Backhoe - Deere 310L 1 1 0 1 0 Chainsaw - Skil 1 1 0 0 0 Skid Steer Street Sweeper 1 1 0 0 0 Work Truck 1 1 1 0 0 0 Pick Up Truck 1 1 1 0 0 0 0 Generator - 1 1 1 0 0 0 0 0 Tri-Axle 1 1 1 1 1 0 0 0 0 0 Encore tor - 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 <td< td=""><td>TYPE, MODEL, CAPACITY</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	TYPE, MODEL, CAPACITY								
Wood Chipper - Vermeer RC1000 0 0 0 Dozer - Deere Nortrax 450J LT 1 0 1 0 Dozer - Deere Nortrax 550K 1 0 1 0 Backhoe - Deere 310L 1 0 1 0 Chainsaw - Skil 1 0 0 0 Skid Steer Street Sweeper 0 0 0 0 Work Truck 0 0 0 0 0 Pick Up Truck 0 0 0 0 0 Generator & Pump 0 0 0 0 0 0 Tri-Axle 0 0 0 0 0 0 0 Environmental 0	CONTRACTOR:								
Dozer - Deere Nortrax 450J LT 1 0 1 0 Dozer - Deere Nortrax 550K 1 0 1 0 Backhoe - Deere 310L 1 0 1 0 Chainsaw - Skil 1 0 0 0 0 Skid Steer Street Sweeper 0 0 0 0 0 Work Truck 0 0 0 0 0 0 Pick Up Truck 0 0 0 0 0 0 0 Generator & Pump 0<		1		1					
Dozer - Deere Nortrax 550K 1 1 0 Backhoe - Deere 310L 1 0 1 0 Chainsaw - Skil 1 0 0 0 0 Skid Steer Street Sweeper 1 0 0 0 0 Work Truck 1 0 0 0 0 0 Pick Up Truck 1 0 0 0 0 0 0 Generator & Pump 1 0 1 0 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>									
Backhoe - Deere 310L 1 0 1 0 Chainsaw - Skil Image: Chainsaw - Skil <td< td=""><td></td><td>1</td><td></td><td></td><td></td><td></td><td></td><td>1</td><td>0</td></td<>		1						1	0
Chainsaw - Skil Image: Skil Steer Street Sweeper Image: Skil Steer Stee	Dozer - Deere Nortrax 550K	1						1	0
Skid Steer Street Sweeper Image: Skid Steer	Backhoe - Deere 310L	1						1	0
Work Truck Image: Constraint of the symbol of	Chainsaw - Skil								0
Pick Up Truck Image: Constraint of the symphonic of	Skid Steer Street Sweeper								0
Generator & Pump Image: Constraint of the symbol of the symb	Work Truck								0
Generator - Image: Constraint of the symbol of	Pick Up Truck								0
Generator - Image: Constraint of the symbol of	Generator & Pump								0
Image: Second second		1							0
Image: Second second	Tri-Axle	1	1	İ	İ	İ		[0
Environmental Image: Constraint of the system		1	1	1	1	1			
Image: Constraint of the second sec	Environmental	1	-I	1		I	I		-
TOTAL EQUIPMENT 4 Image: Constraint of the second									0
TOTAL EQUIPMENT 4 0									
	TOTAL EQUIPMENT	4	1	1	1				-
FLAGMAN'S NAME : N/A		'	1	1	1	I		I	<u> </u>
	FLAGMAN'S NAME :	N/A							

TYPE OF PROTECTION :	N/A					
MILE, TIME, ETC. :	MILE, TIME, ETC. : N/A					
	1					
SITE SAFETY ISSUES:			(i	nclude names, infraction	on & actions taken)	
EMPLOYEE NAME	CONT.	SUB.		INFRACTION	ACTIONS TAKEN	
					· · · · · · · · · · · · · · · · · · ·	
THIRD PARTY ISSUES:			(i	nclude names, discuss	ions actions taken)	
NAME			DISCUSSION	6	ACTIONS TAKEN	
NOTES OF TODAY'S ACTIVITIES & PROGRESS :				(include any	delays or instructions to contractors)	
NOTED OF TODAT & ACTIVITIES & FROGRESS.				(include ally		
WORKS:						
Clearing and Grubbing:						
No Activity/No Forces on site today due to overnig	iht snowfall					
SKETCH OR PHOTOS OF DAY'S ACTIVITIES :						
GRETCH CRETHOTOG OF DATO ACTIVITED .						
MATERIALS OR EQUIPMENT DELIVERED TO SITE :		QUANTITY			LOCATION	

AECOM

	DAILY PROGRESS REPORT				No.:	30	
PROJECT DESCRIPTION :	Milton Logistic	cs Hub – Phas	e 1: Gradin	g & Drainage		DAY :	Monday
		Mile 38.72 to 40.98 Halton Sub.					
AECOM PROJECT NO. :	60579933					DATE :	7-Feb-22
CLIENT'S CONTRACT NO.:	BW314-38.7	72-1.1				WEATHER :	Mainly Sunny
CONTRACTOR :	Dufferin Constr		iny			TEMPERATURE:	2°C
PREPARED BY :	PAUL SCHIPA						
		-		_			
LABOUR	PRINT NAM	7			SIGNATURE ACTIVITY		/
LABOOR		/					<u> </u>
CLASSIFICATION "INCLUDING OPERATORS"	NUMBED	House	CLEARING GEARING	Super	4CQESS POAL	Contraction Contraction	⁷ 01 _{AL} HOURS
CONTRACTOR:		Í	Í	Í	Í		/
Project Manager							0
Project Coordinator	1					1	0
Site Superintendent							0
Forman	1	9	1				9
Operator	1	9	1				9
Laborers	1	9	1				9
		3	1				0
Surveyor							
Environmental Inspector							0
Cub Contractor							0
Sub-Contractor:				1	1		0
Super							0
Foremen							0
Operator							0
Laborers							0
	-						
Flagman	1	10	1				10
							0
							0
Environmental:		1	1		1		
Stantec Environmental Monitor							0
Stantec Technicians	1		1				0
TOTAL LABOUR			-	-	-		27
EQUIPMENT	6		5	0	0	0 0	37
,	1						
TYPE, MODEL, CAPACITY							
CONTRACTOR:		-			1		
Excavator - CAT 335F L w/ Grapple(G320B)	1	9	1				9
Wood Chipper - Vermeer RC1000	1					1	0
Dozer - Deere Nortrax 450J LT	1					1	0
Dozer - Deere Nortrax 550K	1					1	0
Backhoe - Deere 310L	1	4				1	4
Chainsaw - Skil							0
Skid Steer Street Sweeper							0
Work Truck				_			0
Pick Up Truck	2	9	2				18
Generator & Pump							0
Generator -							0
Tri-Axle							0
							0
Environmental							
							0
							0
TOTAL EQUIPMENT	7						31
FLAGMAN'S NAME :	Theo W. (CN)						
TYPE OF PROTECTION :	T.O.P.						
MILE, TIME, ETC. :	Halton Sub., M	ile 39.6 to Mile	e 42.9				
SITE SAFETY ISSUES:				(include nam	es, infraction & ad	ctions taken)	
EMPLOYEE NAME	CONT.	SUB.		INFRACTIO	ON	ACTIONS	STAKEN

THIRD PARTY ISSUES:	(include names, discussions a	ctions taken)
NAME	DISCUSSIONS	ACTIONS TAKEN
NOTES OF TODAY'S ACTIVITIES & PROGRESS :	(include any delays	or instructions to contractors)
WORKS:		
Clearing and Grubbing:		
	mps and stockpiling along West side of CN property at 32	242 Lower Base Line for proposed
Southern end track realignment.		
DCC crossed Lower Base Line road with excava	tor in afternoon to continue clearing proposed track realign	nment heading North to culvert 2A.
CN Elegmen en eite tedeu		
CN Flagman on site today.		
OTHER:		
DCC hooking up temporary power supply to Eng	ineering site office trailer.	
SKETCH OR PHOTOS OF DAY'S ACTIVITIES :		

MATERIALS OR EQUIPMENT DELIVERED TO SITE :	QUANTITY	LOCATION

AECOM

PROJECT DESCRIPTION : AECOM PROJECT NO. : CLIENT'S CONTRACT NO. : CONTRACTOR :

PREPARED BY :

RAILWAY ENGINEERING

DAILY PROGRESS REPORT

Mile 38.72 to 40.98 Halton Sub.		
60579933	DATE :	8-Feb-22
BW314-38.72-1.1	WEATHER :	Partly Cloudy
Dufferin Construction Company	TEMPERATURE:	– 2°C

No.:

31

PRINT NAME SIGNATURE LABOUR ACTIVITY CLEARING & | GRUBBING & | 1 4CCESS ROAD ¹01₄₁ HOURS EROSION CONTROL NUMBER HOURS 1.4RD SHIP, CLASSIFICATION "INCLUDING OPERATORS" CONTRACTOR: Project Manager 0 Project Coordinator 1 1 0 Site Superintendent 1 1 0 Forman 1 9 1 9 9 Operator 1 1 9 3 9 2 27 Laborers 1 Surveyor 0 Environmental Inspector 0 0 Sub-Contractor: Sommerville Super 0 Foremen 1 1 0 0 Operator 1 1 Laborers 2 2 0 10 Flagman 1 1 10 0 0 Environmental: Stantec Environmental Monitor 1 1 0 Stantec Technicians 0 TOTAL LABOUR 55 13 0 0 5 0 7 EQUIPMENT TYPE, MODEL, CAPACITY CONTRACTOR: Dufferin Construction Excavator - CAT 335F L w/ Grapple(G320B) 1 9 1 9 Wood Chipper - Vermeer RC1000 0 Dozer - Deere Nortrax 450J LT 1 1 0 Dozer - Deere Nortrax 550K 1 1 0 Backhoe - Deere 310L 1 4 1 4 Chainsaw - Skil 0 Skid Steer Street Sweeper 0 Work Truck 0 2 9 2 Pick Up Truck 18 Generator & Pump 0 Generator -0 Tri-Axle 0 0 SUB-CONTRACTOR: 0 0 0 0 TOTAL EQUIPMENT 6 31 FLAGMAN'S NAME : Theo W. (CN) TYPE OF PROTECTION : Т.О.Р. MILE, TIME, ETC. : Halton Sub., Mile 39.6 to Mile 42.9 SITE SAFETY ISSUES: (include names, infraction & actions taken) EMPLOYEE NAME ACTIONS TAKEN CONT. SUB. INFRACTION

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	II				
THIRD PARTY ISSUES:				(include names, discussions a	actions taken)
NAME		I	DISCUSSION	s	ACTIONS TAKEN
	 				
NOTES OF TODAY'S ACTIVITIES & PROGRESS :				(include any delay	s or instructions to contractors)
NOTES OF TODATS ACTIVITIES & PROGRESS .				(include any delay	
WORKS:					
Clearing and Grubbing:					
DCC continued clearing trees and bush line alon	g proposed tra	ack realign	ment headi	ng North to culvert 2A I	ocation. DCC stockpiling cleared trees
and branches for future use.					
DCC began clearing large trees at Southern side				l track realignment.	
DCC clearing snow path for vehicle access along	, track realign	ment work	area.		
CN Flagman on site today.					
OTHER:					
DCC had Sub-Contractor Sommerville on site too	hav to rough it	buried pe	wor cupply	for site offices in yord y	with now fooder pole close to
Lower Base Line road. This power supply feeder	, ,			,	
DCC installed Two 6x6" timber posts for propose				or winterrivere ricer up	
<u> </u>		,			
SKETCH OR PHOTOS OF DAY'S ACTIVITIES :					
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MATERIALS OR EQUIPMENT DELIVERED TO SITE :	(QUANTITY			LOCATION
	 				
	 				
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AECOM

PROJECT DESCRIPTION : AECOM PROJECT NO. : CLIENT'S CONTRACT NO. : CONTRACTOR :

PREPARED BY :

RAILWAY ENGINEERING

DAILY PROGRESS REPORT

Mile 38.72 to 40.98 Halton Sub.		
60579933	DATE :	9-Feb-22
BW314-38.72-1.1	WEATHER :	Cloudy
Dufferin Construction Company	TEMPERATURE:	5°C

No.:

32

PRINT NAME SIGNATURE LABOUR ACTIVITY CLEARING & | GRUBBING & | 1 4CCESS ROAD ⁷014LHOURS EROSION CONTROL NUMBER HOURS 1.4RD SHIP, CLASSIFICATION "INCLUDING OPERATORS" CONTRACTOR: Project Manager 0 Project Coordinator 1 1 0 Site Superintendent 0 Forman 1 9 1 9 9 Operator 1 1 9 3 9 2 27 Laborers 1 Surveyor 1 4 4 Environmental Inspector 0 0 Sub-Contractor: Super 0 Foremen 0 0 Operator Laborers 0 10 Flagman 1 1 10 0 0 Environmental: Stantec Environmental Monitor 1 1 0 Stantec Technicians 0 TOTAL LABOUR 59 9 0 0 5 0 2 EQUIPMENT TYPE, MODEL, CAPACITY CONTRACTOR: Dufferin Construction Excavator - CAT 335F L w/ Grapple(G320B) 1 9 1 9 Wood Chipper - Vermeer RC1000 0 Dozer - Deere Nortrax 450J LT 1 1 0 Dozer - Deere Nortrax 550K 1 1 0 Backhoe - Deere 310L 1 1 0 Chainsaw - Skil 0 Skid Steer Street Sweeper 0 Work Truck 0 2 9 2 Pick Up Truck 18 Generator & Pump 0 Generator -0 Tri-Axle 0 0 SUB-CONTRACTOR: 0 0 0 0 TOTAL EQUIPMENT 6 27 FLAGMAN'S NAME : Theo W. (CN) TYPE OF PROTECTION : Т.О.Р. MILE, TIME, ETC. : Halton Sub., Mile 39.6 to Mile 42.9 SITE SAFETY ISSUES: (include names, infraction & actions taken) EMPLOYEE NAME ACTIONS TAKEN

CONT.

SUB.

INFRACTION

THIRD PARTY ISSUES:		(instate normal dissussions o	ations token)
NAME	D	(include names, discussions a	
NOTES OF TODAY'S ACTIVITIES & PROGRESS :		(include any delays	s or instructions to contractors)
WORKS:			
Clearing and Grubbing:	ide of Outwart 24 la ortion	.	
DCC continued clearing large trees at Southern s DCC stockpiling cleared trees and branches alon			
DCC surveyor on site to layout proposed track re	alignment turnout switch	es (No. 20 and Two No. 12s) this r	morning.
CN Flagman on site today.			
07/150			
OTHER: DCC took delivery of 2nd Engineering field suppo	rt site office today for se	tup.	
SKETCH OR PHOTOS OF DAY'S ACTIVITIES :			
		and the second	Alberto
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MARK Have some and	Mar and and a second		
	Charles Valles Harris	CAN DE CONTRACTOR	
CONTRACTOR OF THE OWNER	Carl Mary	A CAR	
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A Participant			
Cart Frank	Carlos -	CALL CO	
	FEB/ 972072		18/0/2022
MATERIALS OR EQUIPMENT DELIVERED TO SITE :	QUANTITY		LOCATION
		1	

AECOM

PROJECT DESCRIPTION :

CLIENT'S CONTRACT NO. :

AECOM PROJECT NO. :

CONTRACTOR ·

PREPARED BY :

RAILWAY ENGINEERING

DAILY PROGRESS REPORT	No.:	33
Milton Logistics Hub – Phase 1: Grading & Drainage	DAY :	Thursday
Mile 38.72 to 40.98 Halton Sub.		
60579933	DATE :	10-Feb-22
BW314-38.72-1.1	WEATHER :	Cloudy
Dufferin Construction Company	TEMPERATURE:	1°C

PRINT NAME SIGNATURE LABOUR ACTIVITY CLEARING & | GRUBBING 4CCESS ROAD ⁷0₇₄₁ HOURS EROSCON CONTROL NUMBER HOURS 14RO SWD7 CLASSIFICATION "INCLUDING OPERATORS" CONTRACTOR: Project Manager 0 Project Coordinator 1 1 0 1 1 Site Superintendent 0 Forman 1 9 1 9 1 9 1 9 Operator Laborers 1 9 1 9 Surveyor 0 Environmental Inspector 0 0 Sub-Contractor: Super 0 Foremen 0 0 Operator Laborers 0 Flagman 10 10 1 1 0 0 Environmental: Stantec Environmental Monitor 1 1 0 Stantec Technicians 0 TOTAL LABOUR 0 0 37 7 5 0 1 EQUIPMENT TYPE, MODEL, CAPACITY CONTRACTOR: Dufferin Construction Excavator - CAT 335F L w/ Grapple(G320B) 1 9 1 9 Wood Chipper - Vermeer RC1000 0 Dozer - Deere Nortrax 450J LT 1 1 0 Dozer - Deere Nortrax 550K 1 1 0 Backhoe - Deere 310L 1 1 0 Chainsaw - Skil 5 1 5 1 Skid Steer Street Sweeper 0 Work Truck 0 9 Pick Up Truck 2 2 18 Generator & Pump 0 0 Generator -Tri-Axle 0 0 SUB-CONTRACTOR: 0 0 0 0 TOTAL EQUIPMENT 7 32 FLAGMAN'S NAME · Theo W. (CN) TYPE OF PROTECTION : Safety Watch MILE, TIME, ETC. : Halton Sub., Mile 39.6 to Mile 42.9 SITE SAFETY ISSUES: (include names, infraction & actions taken) EMPLOYEE NAME SUB. ACTIONS TAKEN CONT. INFRACTION

THIRD PARTY ISSUES:		(include names, discussions ad	tions taken)
NAME	DISCUSSIONS	3	ACTIONS TAKEN
NOTES OF TODAY'S ACTIVITIES & PROGRESS :		(include any delays	s or instructions to contractors)
NOTES OF TODATS ACTIVITIES & PROGRESS .		(include any delays	
WORKS:			
Clearing and Grubbing:			
DCC continued clearing trees and bush at Southe	ern side of Culvert 2A/Tributary A c	reek location for propose	ed track realignment.
DCC used chainsaw to cut trees along tributary A			
DCC stockpiling cleared trees and branches alon			5 ,
DCC took delivery of large timber mats for setup			t location).
CN Flagman on site today.			
OTHER:			
N/A			
SKETCH OR PHOTOS OF DAY'S ACTIVITIES :			
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MATERIALS OR EQUIPMENT DELIVERED TO SITE :	QUANTITY		LOCATION

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DAILY PROGRESS REPORT	No.:	34
Milton Logistics Hub – Phase 1: Grading & Drainage	DAY :	Friday
Mile 38.72 to 40.98 Halton Sub.		
60579933	DATE :	11-Feb-22
BW314-38.72-1.1	WEATHER :	Overcast/Light Rain
Dufferin Construction Company	TEMPERATURE:	2°C

PRINT NAME SIGNATURE LABOUR ACTIVITY / CLEARING & | GRUBBING 4CCESS ROAD ⁷0₇₄₁ HOURS EROSCON CONTROL NUMBER HOURS 14RO SWD7 CLASSIFICATION "INCLUDING OPERATORS" CONTRACTOR: Project Manager 0 Project Coordinator 1 1 0 2 Site Superintendent 2 0 Forman 2 9 1 1 18 9 1 9 Operator 1 Laborers 4 9 1 3 36 Surveyor 0 Environmental Inspector 0 0 Sub-Contractor: Super 0 Foremen 0 0 Operator Laborers 0 Flagman 10 10 1 1 0 0 Environmental: Stantec Environmental Monitor 1 1 0 Stantec Technicians 0 TOTAL LABOUR 12 0 0 73 5 0 6 EQUIPMENT TYPE, MODEL, CAPACITY CONTRACTOR: Dufferin Construction Excavator - CAT 335F L w/ Grapple(G320B) 1 9 1 9 Wood Chipper - Vermeer RC1000 0 Dozer - Deere Nortrax 450J LT 1 1 0 Dozer - Deere Nortrax 550K 1 1 0 Backhoe - Deere 310L 1 1 0 Chainsaw - Skil 1 0 1 Skid Steer Street Sweeper 0 Work Truck 0 9 Pick Up Truck 5 2 45 3 Generator & Pump 0 0 Generator -Tri-Axle 0 0 SUB-CONTRACTOR: 0 0 0 0 TOTAL EQUIPMENT 10 54 FLAGMAN'S NAME · Theo W. (CN) TYPE OF PROTECTION : Safety Watch MILE, TIME, ETC. : Halton Sub., Mile 39.6 to Mile 42.9 SITE SAFETY ISSUES: (include names, infraction & actions taken) EMPLOYEE NAME SUB. ACTIONS TAKEN CONT. INFRACTION

PROJECT DESCRIPTION :

AECOM PROJECT NO. : CLIENT'S CONTRACT NO. : CONTRACTOR ·

PREPARED BY :

THIRD PARTY ISSUES:		(include names, discussions actions taken)	
NAME	DISCUSSION	3	ACTIONS TAKEN
NOTES OF TODAY'S ACTIVITIES & PROGRESS :		(include any delays or instructions to	contractors)
NOTES OF TODATS ACTIVITES & FROGRESS .			
WORKS:			
Clearing and Grubbing:			
DCC setup temporary timber mat creek crossing	this morning at Tributary A (Track	realignment location) for crossing cree	k with tree clearing
machinery.	this morning at moduly A (mack	calignment location) for crossing cree	ik with thee oleaning
DCC began clearing trees North of Culvert 2A/Tri	butary A creek location for propose	d track realignment	
DCC continued clearing trees and bush at Southe			nment.
DCC continued stockpiling cleared trees and brar			
	.		
CN Flagman on site today.			
OTHER:			
DCC working on setting up 2nd engineering supp		up timber walkway between site traile	er offices.
DCC completed installed site yard security gate to	oday.		
SKETCH OR PHOTOS OF DAY'S ACTIVITIES :			
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MATERIALS OR EQUIPMENT DELIVERED TO SITE :	QUANTITY	LOCATIO	N

AECOM

PROJECT DESCRIPTION : AECOM PROJECT NO. : CLIENT'S CONTRACT NO. : CONTRACTOR :

PREPARED BY :

RAILWAY ENGINEERING

DAILY PROGRESS REPORT

Milton Logistics Hub – Phase 1: Grading & Drainage Mile 38.72 to 40.98 Halton Sub.	DAY :	Monday
60579933	DATE :	14-Feb-22
BW314-38.72-1.1	WEATHER :	Mainly Sunny
Dufferin Construction Company	TEMPERATURE:	– 11°C

No.:

35

PRINT NAME SIGNATURE LABOUR ACTIVITY CLEARING & | GRUBBING & | 1 4CCESS ROAD ⁷014LHOURS EROSION CONTROL NUMBER HOURS 1.4RD SHIP, CLASSIFICATION "INCLUDING OPERATORS" CONTRACTOR: Project Manager 0 Project Coordinator 1 1 0 Site Superintendent 0 Forman 2 9 1 1 18 9 Operator 2 2 18 3 9 2 27 Laborers 1 Surveyor 0 Environmental Inspector 0 0 Sub-Contractor: Super 0 Foremen 0 0 Operator Laborers 0 10 Flagman 1 1 10 0 0 Environmental: Stantec Environmental Monitor 1 1 0 Stantec Technicians 0 TOTAL LABOUR 10 7 0 0 73 0 2 EQUIPMENT TYPE, MODEL, CAPACITY CONTRACTOR: Dufferin Construction Excavator - CAT 335F L w/ Grapple(G320B) 1 9 1 9 Track Skid Steer - Deere 333G w/ Mulcher 5 1 5 1 Dozer - Deere Nortrax 450J LT 1 1 0 Dozer - Deere Nortrax 550K 1 1 0 Backhoe - Deere 310L 1 1 0 Chainsaw - Skil 1 1 0 Skid Steer Street Sweeper 0 Work Truck 0 3 9 2 Pick Up Truck 1 27 Generator & Pump 0 Generator -0 Tri-Axle 0 0 SUB-CONTRACTOR: 0 0 0 0 TOTAL EQUIPMENT 9 41 FLAGMAN'S NAME : Rob B. (CN) TYPE OF PROTECTION : Safety Watch MILE, TIME, ETC. : Halton Sub., Mile 39.6 to Mile 42.9 SITE SAFETY ISSUES: (include names, infraction & actions taken) EMPLOYEE NAME ACTIONS TAKEN CONT. SUB. INFRACTION

THIRD PARTY ISSUES:		(include names, discussions ac	tions taken)
NAME	DISCUSSI		ACTIONS TAKEN
NOTES OF TODAY'S ACTIVITIES & PROGRESS :		(include any delays	or instructions to contractors)
WORKS:			
Clearing and Grubbing:			
DCC continued clearing trees and brush North o			
DCC continued stockpiling cleared trees and bra	nches along West side of propos	ed track realignment work	area.
DCC placed temporary wood chip filtration socks	along North and South sides of	Tributary A creek crossing	at proposed track realignment today
Doo placed temporary wood only initiation social	along North and Couth sides of	hibitary A creek crossing	at proposed track realignment today.
CN Flagman on site today.			
OTHER:			
SKETCH OR PHOTOS OF DAY'S ACTIVITIES :			
		A VE WAR	an Marcu
		N. LANG	
		3 DAVI	
1144		JAN -	The state of the
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	NAME		
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	A/2022	The second	A set of the set of th
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MATERIALS OR EQUIPMENT DELIVERED TO SITE :	QUANTITY		LOCATION

AECOM

DAILY PROGRESS REPORT	No.:	36
Milton Logistics Hub – Phase 1: Grading & Drainage	DAY :	Tuesday
Mile 38.72 to 40.98 Halton Sub.		
60579933	DATE :	15-Feb-22
BW314-38.72-1.1	WEATHER :	Partly Cloudy
Dufferin Construction Company	TEMPERATURE:	– 4°C

PRINT NAME SIGNATURE LABOUR ACTIVITY SITE DELINEATION CLEARING & | GRUBBING 4CCESS ROAD ⁷0₇₄₁ HOURS NUMBER HOURS 14RO SWP7 CLASSIFICATION "INCLUDING OPERATORS" CONTRACTOR: Project Manager 0 Project Coordinator 1 1 0 1 Site Superintendent 1 0 Forman 1 9 1 9 9 1 9 Operator 1 Laborers 2 9 2 18 2 2 Surveyor 0 Environmental Inspector 0 0 Sub-Contractor: Super 0 Foremen 0 0 Operator Laborers 0 10 10 CN Flagman: 1 1 0 0 Environmental: Stantec Environmental Monitor 1 1 0 Stantec Technicians 0 TOTAL LABOUR 10 0 0 46 6 2 1 EQUIPMENT TYPE, MODEL, CAPACITY CONTRACTOR: Dufferin Construction Excavator - CAT 335F L w/ Grapple(G320B) 1 9 1 9 Dozer - CAT 750K XLT 0 1 1 9 Track Skid Steer - Deere 333G w/ Mulcher 1 1 9 Dozer - Deere Nortrax 450J LT 1 1 0 Dozer - Deere Nortrax 550K 1 1 0 Backhoe - Deere 310L 0 1 1 Chainsaw - Skil 1 1 0 Skid Steer Street Sweeper 0 Work Truck 0 Pick Up Truck 3 9 2 1 27 Generator & Pump 0 Generator -0 Tri-Axle 0 0 SUB-CONTRACTOR: 0 0 0 0 TOTAL EQUIPMENT 10 45 FLAGMAN'S NAME : Rob B. (CN) TYPE OF PROTECTION : Safety Watch MILE, TIME, ETC. : Halton Sub., Mile 39.6 to Mile 42.9 SITE SAFETY ISSUES: (include names, infraction & actions taken) EMPLOYEE NAME CONT. SUB. ACTIONS TAKEN INFRACTION

PROJECT DESCRIPTION :

AECOM PROJECT NO. : CLIENT'S CONTRACT NO. : CONTRACTOR ·

PREPARED BY :

THIRD PARTY ISSUES:	(include names, discussions actions taken)			
NAME	DISCUSSIONS ACTIONS TAKEN			
NOTES OF TODAY'S ACTIVITIES & PROGRESS :		(include any delays	or instructions to contractors)	
WORKS:				
Clearing and Grubbing:				
DCC continued clearing trees and brush heading				
DCC continued stockpiling cleared trees and bran	nches along West side	of proposed track realignment work	area.	
DCC Surveyors on site today to layout limit of Co	nstruction boundary alo	ong East side of Track realignment w	vork area.	
CN Flagman on site today.				
OTHER:				
DCC had Dozer (CAT 750K) delivered to Laydown Area 1 location off Lower Base line in preparation of future grading works.				
CN Rail delivered 1 of 2 No. 12 track turnout swite	ches to site yard last ni	ght.		



MATERIALS OR EQUIPMENT DELIVERED TO SITE :	QUANTITY	LOCATION
Dozer - CAT 750k XLT	1	Laydown Area 1 off Lower Base Line
No. 12 Track Turnout Switch	1	Site Yard

AECOM

RAILWAY ENGINEERING

	DAIL	Y PROGE	RESS RE	PORT			No.:	37
PROJECT DESCRIPTION :	Milton Logisti	cs Hub – Pha	se 1: Grading		DAY:	Wednesday		
	Mile 38.72 to			-		,		
AECOM PROJECT NO. :	60579933			-	DATE :	16-Feb-22		
CLIENT'S CONTRACT NO. :	BW314-38.	72-1.1			WEATHER :	Overcast		
CONTRACTOR :	Dufferin Const	ruction Compa	any			TEMF	PERATURE:	8°C
PREPARED BY :	PAUL SCHIP	ANI				-	-	
	PRINT NAM	IE		-	SIGNATURE			
LABOUR		7			ACTIVITY			
	/	<u> </u>						′
CLASSIFICATION "INCLUDING OPERATORS"	NUMBE	House	CLEARING C	Sure	4CQESS ROAL	DELINE	Californ Variation	⁷ 07 ₄₁ Hours
CONTRACTOR:	1	Í	Í	Í	Í	Í	Í	
Project Manager								0
Project Coordinator	1						1	0
Site Superintendent								0
Forman	1	9	1					9
Operator	2	9	1				1	18
Laborers	2	9	1				1	18
Surveyor								0
Environmental Inspector								0
								0
Sub-Contractor:								
Super								0
Foremen								0
Operator								0
Laborers								0
CN Flagman:	1	10	1					10
								0
								0
Environmental:								
Stantec Environmental Monitor	1		1					0
Stantec Technicians								0
TOTAL LABOUR	8		5	0	0	0	2	55
EQUIPMENT								
TYPE, MODEL, CAPACITY								
CONTRACTOR: Dufferin Construction	_							
Excavator - CAT 335F L w/ Grapple(G320B)	1	9	1					9
Dozer - CAT 750K XLT	1				1			0
Track Skid Steer - Deere 333G w/ Mulcher	1	4	1					4
Dozer - Deere Nortrax 450J LT	1						1	0
Dozer - Deere Nortrax 550K	1	9					1	9
Backhoe - Deere 310L	1						1	0
Chainsaw - Skil	1		1					0
Skid Steer Street Sweeper								0
Work Truck	+ .	-	-					0
Pick Up Truck	4	9	2				2	36
Generator & Pump								0
Generator -								0
Tri-Axle								0
								0
SUB-CONTRACTOR:		1	1	1			ı	<u> </u>
								0
					-			0
1		1	1	1	1	1	I I	U

								0
TOTAL EQUIPMENT	11							58
FLAGMAN'S NAME :	Heather D. (Cl	4)						
TYPE OF PROTECTION :	Safety Watch	Safety Watch						
MILE, TIME, ETC. :	Halton Sub., M	ile 39.6 to Mile	e 42.9					
SITE SAFETY ISSUES:	(include names, infraction & actions taken)							
EMPLOYEE NAME	CONT.	SUB.		INFRACTIO	N		ACTION	S TAKEN

0

			Γ				
THIRD PARTY ISSUES:		(include names, discussions a	ctions taken)				
NAME		DISCUSSIONS	ACTIONS TAKEN				
NOTES OF TODAY'S ACTIVITIES & PROGRESS :		(include any delays	or instructions to contractors)				
		(include any delays					
WORKS:							
Clearing and Grubbing: DCC continued clearing trees and brush heading	a North of Culvert 2A/T	ributary A creek location for propos	ed track realignment				
DCC continued stockpiling cleared trees and brash heading	anches along West side	of proposed track realignment wo	rk area.				
CN Flagman on site today.							
OTHER:							
DCC began taking delivery of 2" crusher run ma			ne deliveries today.				
DCC placing and grading granular material alon	g site office trailers for r	nud control.					
SKETCH OR PHOTOS OF DAY'S ACTIVITIES :							
A second s	the a the stand	K Y N	LA E Ahr				
A VALLE AND A VERY AND A VALLEY	1. M. Kanakan	the second second second	the and the second				
dillow the second second							
		A ANTI A CONTRACT OF	A CARLEN AND A CARLEN				
No. 1 Contraction							
	E Zastan						
	IEEB/ 16/2022		FEB/16/2022				
CONTRACTOR OF							
		EX.					
	1						
	1 Secondo						
	ALL DE LEVEL		All And a M				
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	- All						
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Contraction of the second	HEB/16/2022	11 July to the second	PER-16-2022				
The man and the second s							
MATERIALS OR EQUIPMENT DELIVERED TO SITE :	QUANTITY		LOCATION				
	I	I					



	DAIL	Y PROGE	RESS RE	PORT			No.:	38
PROJECT DESCRIPTION :	Milton Logistic	s Hub – Phas	e 1: Grading 8	Drainage			DAY :	Thursday
	Mile 38.72 to 4	40.98 Halton	Sub.					
AECOM PROJECT NO. :	60579933				DATE :	17-Feb-22		
CLIENT'S CONTRACT NO. :	BW314-38.	72-1.1			WEATHER :	Rain		
CONTRACTOR :	Dufferin Const	ruction Comp	any	TEM	PERATURE:	4°C		
PREPARED BY :	PAUL SCHIPA	NI						
	PRINT NAM	IE			SIGNATURE			
LABOUR		1			ACTIVITY			
CLASSIFICATION "INCLUDING OPERATORS"	Mumeer hours Stroy						Varen II.ON	⁷ O1 _{AL} HOURS
CONTRACTOR:								
Project Manager								0
Project Coordinator								0
Site Superintendent	1						1	0
Forman	1	9					1	9
Operator								0
Laborers	2	9					2	18
Surveyor								0
Environmental Inspector	1	1					1	0
								0

Laborers	2	5	1					10
Surveyor								0
Environmental Inspector	1						1	0
								0
Sub-Contractor:					•			
Super								0
Foremen								0
Operator								0
Laborers								0
CN Flagman:								0
								0
Environmental:	_							0
Stantec Environmental Monitor	+		I	1				0
Stantec Technicians								0
								0
TOTAL LABOUR	5		0	0	0	0	5	27
EQUIPMENT	-		-			-	_	
TYPE, MODEL, CAPACITY								
CONTRACTOR: Dufferin Construction								
Excavator - CAT 335F L w/ Grapple(G320B)	1		1					0
Dozer - CAT 750K XLT	1				1			0
Track Skid Steer - Deere 333G w/ Mulcher	1		1					0
Dozer - Deere Nortrax 450J LT	1						1	0
Dozer - Deere Nortrax 550K	1						1	0
Backhoe - Deere 310L	1						1	0
Chainsaw - Skil	1							0
Skid Steer Street Sweeper								0
Work Truck								0
Pick Up Truck	2	9					2	18
Generator & Pump								0
Generator -								0
Tri-Axle								0
								0
SUB-CONTRACTOR:								
								0
								0
	Í							0
								0
\$\$								

TOTAL EQUIPMENT	9							18
FLAGMAN'S NAME :								
TYPE OF PROTECTION : MILE, TIME, ETC. :								
MILE, HME, ETG								
SITE SAFETY ISSUES:				(include name	es, infraction & a	ections taken)		
EMPLOYEE NAME	CONT.	SUB.	1	INFRACTIO			ACTION	S TAKEN
		005.					Action	
THIRD PARTY ISSUES:				include name	s, discussions a	actions taken)		
NAME			DISCUSSION	IS			ACTION	S TAKEN
NOTES OF TODAY'S ACTIVITIES & PROGRESS :				(in	clude any delay	s or instruction	ns to contracto	ors)
WORKS								
<u>WORKS:</u> Clearing and Grubbing:								
No Activity Today due to rain and wet working cor	oditions							
The Activity Today due to fairf and wet working con	iuitions.							
OTHER:								
DCC cleaning/setting up 2nd engineering support	site trailer to	day.						
SKETCH OR PHOTOS OF DAY'S ACTIVITIES :								
MATERIALS OR EQUIPMENT DELIVERED TO SITE :		QUANTITY				LOCA	TION	



AECOM	RA	ILWAY EI	NGINEEF	RING				
	DAIL	Y PROGE	RESS RE		No.:	39		
PROJECT DESCRIPTION :	Milton Logisti	cs Hub – Phas	e 1: Grading &	& Drainage			DAY :	Friday
		40.98 Halton S	-		-	,		
AECOM PROJECT NO. :	60579933				DATE :	18-Feb-22		
CLIENT'S CONTRACT NO. :	BW314-38.	72-1.1					WEATHER :	Mainly Sunny
CONTRACTOR :	Dufferin Cons	truction Comp	any			TEM	PERATURE:	-8°C
PREPARED BY :	PAUL SCHIP	ANI	-				-	
	PRINT NAM	1E		-	SIGNATURE			
LABOUR		/			ACTIVITY			/
CLASSIFICATION "INCLUDING OPERATORS"	NUMBE	HOURS	CLEARING &	DELSITE	Nou Oaks	^r or _{Al Hours}		
CONTRACTOR:								
Project Manager								0
Project Coordinator								0
Site Superintendent	1						1	0
Forman								0
Operator	1	3					1	3
Laborers	1	3					1	3
Surveyor								0
Environmental Inspector								0
								0
Sub-Contractor:								
Super								0
Foremen								0
Operator								0
Laborers								0
CN Flagman:								0
								0
								0
Environmental:		_			-			
Stantec Environmental Monitor								0
Stantec Technicians								0
TOTAL LABOUR	3		0	0	0	0	3	6
EQUIPMENT								
TYPE, MODEL, CAPACITY								

CONTRACTOR: Dufferin Construction						
Excavator - CAT 335F L w/ Grapple(G320B)	1	1				0
Dozer - CAT 750K XLT	1		1			0
Track Skid Steer - Deere 333G w/ Mulcher	1	1				0
Dozer - Deere Nortrax 450J LT	1				1	0
Dozer - Deere Nortrax 550K	1				1	0
Backhoe - Deere 310L	1				1	0
Chainsaw - Skil	1					0
Skid Steer Street Sweeper						0
Work Truck						0
Pick Up Truck	2				2	0
Generator & Pump						0
Generator -						0
Tri-Axle						0
						0
SUB-CONTRACTOR:				-		
						0
						0
						0
						0

TOTAL EQUIPMENT	9							0
	•				•		•	
FLAGMAN'S NAME :								
TYPE OF PROTECTION :								
MILE, TIME, ETC. :								
SITE SAFETY ISSUES:				(include name	es, infraction & a	ctions taken)		
EMPLOYEE NAME	CONT.	SUB.		INFRACTIO		/	ACTION	S TAKEN
THIRD PARTY ISSUES:	1			(include name	s, discussions a	octions taken)		
NAME			DISCUSSION		3, 03003310113 0			S TAKEN
			0130033101	15			ACTION	JIAREN
NOTES OF TODAY'S ACTIVITIES & PROGRESS :				/i=				
NOTES OF TODATS ACTIVITIES & PROGRESS :				(in	clude any delay	s of instruction	ns to contracto	JIS)
WORKS								
WORKS:								
Clearing and Grubbing:								
No Activity Today due to volume of overnight snow	wfall.							
OTHER:	14-1							
DCC on site in afternoon to clear snow in site yard	i today.							
SKETCH OR PHOTOS OF DAY'S ACTIVITIES :								
MATERIALS OR EQUIPMENT DELIVERED TO SITE :		QUANTITY				LOCA	TION	
	•			•				

AECOM

		DAILY I	PROGR	ESS RE	PORT					No.:	228
PROJECT DESCRIPTION :	Milton Logistic	s Hub – Pha	se 1: Gradiı			-				DAY :	Monday
	Mile 38.72 to 60579933	40.98 Halton	i Sub.			-				DATE .	21-Nov-22
	-	2 1 1				-				DATE :	21-N0V-22 Sun
CLIENT'S CONTRACT NO.:	BW314-38.7 Dufferin Constr		2014			-				EATHER :	4°C
			any			-			IEMPE	RATURE:	40
PREPARED BY :				-							
LABOUR	PRINT NAM	/	_		SIGNATURE		VITY				/
	/		/	0	28	× /	5			/	′
CLASSIFICATION "INCLUDING OPERATORS"	NUMBED	HOUP	Diversion Fack	Monte Gading Indian Creek	9 Installation Pond 7 . Spilling	Pond 2main 9	undseeping				⁷ 01 ₄₁ Houns
CONTRACTOR:	Í	(7	/	Í		Í	Í	Í	ÍÍÍ	,
Project Manager			ĺ	ĺ							0
Project Coordinator	1	10									10
Site Superintendent	1	10									10
Forman	3	10	1	1	1						30
Operator	6	10	6		3						60
Laborers	8	10	4	4							80
Grademan	1	10									10
Surveyor											0
											0
Sub-Contractor:	1		1	1	1		1	1	1		5
Super		10									0
Foremen	1	10				1					10
Operator	2	10				2					20
Laborers	1	10				1					10
Iron Worker		10									0
											0
CN Flagman:	1	10									10
CN Signals:											0
											0
Environmental:				1	1		1	1	1		
Stantec Environmental Monitor	1	10				-					10
Stantec Technicians	2	10				2					20
Archaeological Monitors											0
Indigenous Monitors GEMS	1	10									10
TOTAL LABOUR	28	10	11	5	4	6	0	0	0	0	280
EQUIPMENT	20		11	5	4	0	0	0	0	0	280
TYPE, MODEL, CAPACITY											
CONTRACTOR: Dufferin Construction											
Excavator - Volvo ECR 355	1	10	1						Ι		10
Excavator - Hitachi 470	1	10	-								10
Excavator - John Deere 470	1	10	1		1						10
Rock Truck - Volvo A30G	2	10	2		2						20
Dozer - John Deere 550	1	10	1				1		1		10
Dozer - Deere Nortrax 750k LT	1	10	1								10
Loader - CAT 950	1	10									10
Drum Roller - CATCS44B	1						1				0
Sheepsfoot Packer - CAT CP56B	1	10	1								10
Skid Steer - CAT 289	1	10									10
Mini Excavator - CAT 80	1	10									10
RTV Shuttle	1	10									10
Kubota SV90 Skid Steer	1	10									10
Pick Up Truck	1	10		2							10
Diesel Plate Tamper	1	10									10
Water pump / hose											0
Water Truck	1	10									10
RT Backhoe - John Deere 710	1	10									10
											0
SUB-CONTRACTOR:							-				0
Work Truck							2				0
CAT 320 Excavator							1				0

CAT 330 Excavator											0
John Deer Tractor / Trailer							1				0
											0
											0
											0
											0
											0
											-
											0
											0
TOTAL EQUIPMENT	18										170
FLAGMAN'S NAME :	CN Flagman										
TYPE OF PROTECTION :	R42										
MILE, TIME, ETC. :	Halton Sub., M	lile 39.6 to Mi	e 42 9								
	Ficilion Oub., M	10 00.0 10 101	0 42.0								
SITE SAFETY ISSUES:					(in shirls in such			-1			
						nes, infractio	n & actions t	aken)			
EMPLOYEE NAME	CONT.	SUB.		INFRACT	ION				AC	TIONS TA	KEN
THIRD PARTY ISSUES:					(include nan	nes, discussio	ons actions t	aken)			
NAME			001100101	10	(include nam						
ITAILE	_	D	ISCUSSION	10					AC	TIONS TAI	NEN .
						-					
	_										
NOTES OF TODAY'S ACTIVITIES & PROGRESS :	RESS: (include any delays or instructions to contractors)										
WORKS:						. ,			,		
Indian Creek Area											
	C continue to install jute matting along completed topsoiled areas as per design										
	npieted topsoli	ed areas a	s per des	sign							
Stake matting in place as required.											
Pond 1											
DCC continue excavation of material for emer		as par das	ian								
	gency spiliway	as per ues	siyit.								
Haul material to existing stockpile.											
Note: DCC halted operations due to grading e	elevation issues	s. RFI to be	e issued b	by DCC f	or clarification						
Pond 2 Area - Indian Creek Enhancement											
		for offer									
Cambridge Landscaping complete installation		s for coller	uam in cr	eek area.							
Installation of poly sheets and sand bags for o											
Stantec technicians on-site to conduct fish rea	scue during co	ffer dam in	stallation								
DCC placed planks at abutment for temporary	/ bridge crossii	ng.									
Remove planks at end of day as required.		<u> </u>									
,											
East Track Diversion											
DCC resume excavation of material for track of											
Place, grade and compact excavated cut ditcl	n material to fil	I track dive	rsion trac	k bed.							
Continue installation of silt fencing as required											
OTHER:											
CN Flagman on site today at south track cros	sıng.										

SKETCH OR PHOTOS OF DAY'S ACTIVITIES : Nov 21, 2022 at 11:44:08 AM 5127 Tremaine Rd Millon ON L7M 0S9 Canada

Indian Creek Area - Installation of Jute Matting along topsoiled areas



Indian Creek Area - Installation of Jute Matting along topsoiled areas



Pond 1- Excavation of material for Emergency Spillway



Pond 1- Excavation of material for Emergency Spillway



Pond 1- Excavation of material for Emergency Spillway



East Track Diversion - Excavation and grading for track diversion grading



East Track Diversion - Excavation and grading for track diversion grading



East Track Diversion - Excavation and grading for track diversion grading



Pond 2 Area - Stantec conducting fish rescue at coffer dam area



Pond 2 Area - Installation of poly tarps and sand bags for coffer dam



Pond 2 Area - Installation of poly tarps and sand bags for coffer dam



Pond 2 Area - Installation of poly tarps and sand bags for coffer dam

MATERIALS OR EQUIPMENT DELIVERED TO SITE :	QUANTITY	LOCATION

AECOM

			PROGR	ESS REI	PORT					No.:	229
PROJECT DESCRIPTION :	Milton Logistic	s Hub – Pha	se 1: Gradir	ng & Drainag	e					DAY :	Tuesday
	Mile 38.72 to			0		-					
AECOM PROJECT NO. :	60579933					-				DATE :	22-Nov-22
CLIENT'S CONTRACT NO. :	BW314-38.7	2-1.1				-			w	EATHER :	Sun
CONTRACTOR :	Dufferin Constr	uction Compa	any			-			TEMPE	RATURE:	4°C
PREPARED BY :	MIKE ARRIND	ELL				-				-	
				-							
LABOUR	PRINT NAM	E	_		SIGNATURE	ACTI					/
LABOOK	/	//		6 /		<u>ACIII</u>	* /			/	/
CLASSIFICATION "INCLUDING OPERATORS"	WUMBER	House	Diversion Tack	Mores ading Indian Creek	Installation Indian Creek, Ten	Pond 21mares	^{-noscen} cree Sitt Fenre	^{liole} ller			⁷ 07 ₄₁ Houngs
CONTRACTOR:	(<u> </u>	/ ~			<u> </u>	(((í í	/
Project Manager			í – – –	í – – –							0
Project Coordinator	1	10									10
Site Superintendent	1	10									10
Forman	3	10	1	1	1						30
Operator	9	10	6		1		2				90
Laborers	11	10	1	4	2		4				110
Grademan	1	10					1				10
Surveyor											0
											0
											0
Sub-Contractor:											
Super		10									0
Foremen	1	10				1					10
Operator	2	10				2					20
Laborers	1	10				1					10
Iron Worker		10									0
									ļ		0
CN Flagman:	1	10									10
CN Signals:	_										0
Environmental:											0
Stantec Environmental Monitor	1	10									10
Stantee Technicians	2	10				2					20
Archaeological Monitors		10				-					0
Indigenous Monitors											0
GEMS	1	10									10
TOTAL LABOUR	34		8	5	4	6	7	0	0	0	340
EQUIPMENT							1				
TYPE, MODEL, CAPACITY											
CONTRACTOR: Dufferin Construction											
Excavator - Volvo ECR 355	1	10			1						10
Excavator - Hitachi 470	1	10									10
Excavator - John Deere 470	1	10	1								10
Rock Truck - Volvo A30G	2	10	2								20
Dozer - John Deere 550	1	10					ļ				10
Dozer - Deere Nortrax 750k LT	1	10	1								10
Loader - CAT 950	1	10			1						10
Drum Roller - CATCS44B	1	10									0
Sheepsfoot Packer - CAT CP56B Mini Excavator - Bobcat E80	1	10 10	1				1				10 10
Mini Excavator - Bobcat E80 Mini Excavator - CAT 80	1	10					1				10
RTV Shuttle	1	10					1				10
Kubota SV90 Skid Steer	1	10		1							10
Pick Up Truck	6	10	1	2	2			1			60
Diesel Plate Tamper	1	10	<u> </u>		-		1	-			10
Water pump / hose	+ -		1				1				0
Water Truck	1	10									10
RT Backhoe - John Deere 710	1	10									10
		-	1				1				0
SUB-CONTRACTOR:											0
Work Truck	2	10				2					20
CAT 320 Excavator	2	10				1					20

· · · · · · · · · · · · · · · · · · ·		1		_	-	1	1			1	1
CAT 330 Excavator		ļ						ļ	1		0
John Deer Tractor / Trailer	1	10				1			1		10
								L	1		0
											0
											0
											0
		T						Γ			0
											0
											0
TOTAL EQUIPMENT	28										270
										1	_
FLAGMAN'S NAME :	CN Flagman										
TYPE OF PROTECTION :	R42										
MILE, TIME, ETC. :	Halton Sub., M	file 39.6 to Mi	le 42 9								
	riakon oabi, i		.0 .2.0								
SITE SAFETY ISSUES:					(include par	nes infractio	n & actions t	aken)			
EMPLOYEE NAME	CONT.	(include names, infraction & actions taken) CONT. SUB. INFRACTION ACTIONS TAKEN									
	0011.	300.							~		
THIRD PARTY ISSUES: (include names, discussions actions taken)											
NAME	DISCUSSIONS ACTIONS TAKEN										KEN
NOTES OF TODAY'S ACTIVITIES & PROGRESS :						(include any	delays or ins	tructions to c	ontractors)		
WORKS:											
Indian Creek Area											
DCC continue to install jute matting along completed topsoiled areas as per design											
Stake matting in place as required.											
Cambridge Landscaping installed wooden stakes for tree supports for all planted trees and shrubs.											
Installation of live stake plantings along Riparian Wetland area.											
Devel 4											
Pond 1											
No work at this location											
Pond 2 Area - Indian Creek Enhancement											
Cambridge Landscaping begin excavation of	f material along	existing er	nbankme	ent creek a	area for riffle i	nstallation					
Haul material to existing stockpile.											
Stantec technicians on-site to conduct fish re	escue during co	offer dam in	stallation	۱.							
East Track Diversion											
DCC resume excavation of material for track	diversion cost	ditch line or	s ner des	ian							
Place, grade and compact excavated cut dite											
		I LIACK UIVE		UN DEO.							
Continue installation of silt fencing as require											
Installation of silt fencing as per design											
Indian Creek - Temporary Bridge											
DCC began removal of south abutment appr	oach planks to	bridge.									
OTHER:											
CN Flagman on site today at south track cros	ssing.										

SKETCH OR PHOTOS OF DAY'S ACTIVITIES :



Indian Creek Area - Installation of Jute Matting along topsoiled areas



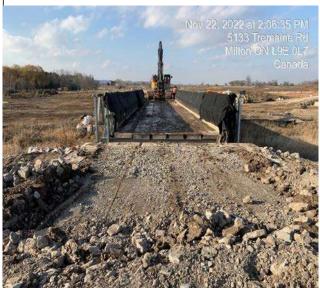
Indian Creek Area - Installation of Jute Matting along topsoiled areas



Indian Creek - C.L. install live stakes along Riparian Wetland areas



Indian Creek - C.L. install stake supports for trees and bushes



Indian Creek - Begin dismantle south approach sections at bridge



Indian Creek - Begin dismantle south approach sections at bridge



East Track Diversion - Excavation and grading for track diversion grading



East Track Diversion - Excavation and grading for track diversion grading



East Track Diversion - Excavation and grading for track diversion grading



Pond 2 Area - Excavation of material for riffle installation as per design



Pond 2 Area - Stantec conducting fish rescue at coffer dam area



Pond 2 Area - Excavation of material for riffle installation as per design

MATERIALS OR EQUIPMENT DELIVERED TO SITE :	QUANTITY	LOCATION



		DAILY I	PROGR	ESS REI	PORT					No.:	230
PROJECT DESCRIPTION :	Milton Logistic									DAY :	Wednesday
	Mile 38.72 to	40.98 Haltor	i Sub.								
AECOM PROJECT NO. :	60579933									DATE :	23-Nov-22
CLIENT'S CONTRACT NO. :	BW314-38.7									EATHER :	Sun
CONTRACTOR :	Dufferin Constr	uction Comp	any						TEMPE	RATURE:	8°C
PREPARED BY :	MIKE ARRIND	ELL									
	PRINT NAM	E		-	SIGNATURE						
LABOUR		/			/			/			/
CLASSIFICATION "INCLUDING OPERATORS"	NUMBER	Hous	Diversion rack	Morts ading Indian Creek	J Installing	Pond 2movais	Silt Fenric	Vac Truck,	Sajeso,		^{TOTAL} HOURS
CONTRACTOR:	Í	/	7	/	Í		ſ	Í	Í	ÍÍÍ	
Project Manager											0
Project Coordinator	1	10									10
Site Superintendent	1	10									10
Forman	3	10	1	1	1			1			30
Operator	9	10	6		1	1	2				90
Laborers	11	10	1	4	2		4				110
Grademan	1	10					1				10
Surveyor											0
											0
Sub-Contractor:											0
Super		10					1	1			0
Foremen	1	10				1					10
Operator	2	10				2					20
Laborers	1	10				1					10
Iron Worker	-	10				-					0
Vac Truck Workers	2	10						2			20
CN Flagman:	1	10									10
CN Signals:											0
											0
Environmental:								-			
Stantec Environmental Monitor	1	10									10
Stantec Technicians	2	10									20
Archaeological Monitors	_										0
Indigenous Monitors	1	10									0
GEMS TOTAL LABOUR	1 36	10	8	5	4	5	7	1	0	0	10 360
EQUIPMENT	30		0	5	4	5	/		0	0	300
TYPE, MODEL, CAPACITY											
CONTRACTOR: Dufferin Construction											
Excavator - Volvo ECR 355	1	10			1						10
Excavator - Hitachi 470	1	10	1								10
Excavator - John Deere 470	1	10	1								10
Rock Truck - Volvo A30G	2	10	2			1					20
Dozer - John Deere 550	1	10									10
Dozer - Deere Nortrax 750k LT	1	10	1								10
Loader - CAT 950	1	10			1						10
Drum Roller - CATCS44B	1										0
Sheepsfoot Packer - CAT CP56B	1	10	1								10
Mini Excavator - Bobcat E80	1	10					1				10
Mini Excavator - CAT 80	1	10					1				10
RTV Shuttle	1	10		1			1				10
Kubota SV90 Skid Steer Pick Up Truck	1 6	10 10	1	1	2		1				10 60
Diesel Plate Tamper	1	10		<u> </u>	<u> </u>		+ <u> </u>				10
Water pump / hose		10					<u> </u>				0
Water Truck	1	10									10
RT Backhoe - John Deere 710	1	10									10
	+ -										0
SUB-CONTRACTOR:							1				0
Work Truck	2	10			<u> </u>	2					20
CAT 320 Excavator	2	10				1					20

	1	r	, , , , , , , , , , , , , , , , , , ,		1	1				1	
CAT 330 Excavator	4	10	+			1					0
ohn Deer Tractor / Trailer Ii Rail Vac Truck	1 10	10	+ +			1		1			10 0
	10							1			0
											0
											0
											0
											0
											0
TOTAL EQUIPMENT	38										270
	50					1					270
FLAGMAN'S NAME :	CN Flagman										
TYPE OF PROTECTION :	R42										
MILE, TIME, ETC. :	Halton Sub., M	ile 39.6 to Mi	le 42.9								
SITE SAFETY ISSUES:					(include na	mes, infractio	n & actions	taken)			
EMPLOYEE NAME	CONT.	SUB.		INFRACTI	ON				A	CTIONS TAK	KEN
THIRD PARTY ISSUES: (include names, discussions actions taken)											
NAME		D	ISCUSSIONS	s					A	CTIONS TAI	KEN
						ļ					
NOTES OF TODAY'S ACTIVITIES & PROGRESS :						(include any	delays or ins	structions to co	ntractors)		
WORKS:											
ndian Creek Area											
DCC continue to install jute matting along comp	pleted topsoil	ed areas a	is per desig	gn							
Stake matting in place as required.											
Cambridge Landscaping continue installation o	f live stake pl	antings alo	ong Riparia	an Wetlar	nd areas.						
Indian Creek - Temporary Bridge											
DCC continue dismantling of temporary bridge.											
Indian Creek - Temporary Bridge DCC continue dismantling of temporary bridge. Removal of bridge decking and store on-site.											
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DCC continue dismantling of temporary bridge. Removal of bridge decking and store on-site.											
DCC continue dismantling of temporary bridge. Removal of bridge decking and store on-site. Pond 2 Area - Indian Creek Enhancement	aterial along	existing er	nbankmen	nt creek a	rea for riffle	installatior					
DCC continue dismantling of temporary bridge. Removal of bridge decking and store on-site. Pond 2 Area - Indian Creek Enhancement Cambridge Landscaping begin excavation of m	aterial along	existing er	nbankmen	nt creek a	rea for riffle	installation					
DCC continue dismantling of temporary bridge. Removal of bridge decking and store on-site. Pond 2 Area - Indian Creek Enhancement Cambridge Landscaping begin excavation of m Haul material to existing stockpile.	v							was expo	sed due	e to the ri	ffle excavation
DCC continue dismantling of temporary bridge. Removal of bridge decking and store on-site. Pond 2 Area - Indian Creek Enhancement Cambridge Landscaping begin excavation of m Haul material to existing stockpile. Note: 10:00am excavation was halted due to	o unsafe site	e conditio	ns of exiti	ing side	slope. A 3 i	neter ver	tical face				ffle excavation
DCC continue dismantling of temporary bridge. Removal of bridge decking and store on-site. Pond 2 Area - Indian Creek Enhancement Cambridge Landscaping begin excavation of m Haul material to existing stockpile. Note: 10:00am excavation was halted due to DCC halted operations until a solution for sa	o unsafe site afety was pr	e conditio oposed. C	ns of exiti CN/AECON	ing side M/DCC/S	slope. A 3 i tantec to di	neter ver scuss sa	tical face fety optic	ons on how	to pro		ffle excavation
DCC continue dismantling of temporary bridge. Removal of bridge decking and store on-site. Pond 2 Area - Indian Creek Enhancement Cambridge Landscaping begin excavation of m Haul material to existing stockpile. Note: 10:00am excavation was halted due to DCC halted operations until a solution for sa 11:00am Cambridge Landscaping was infor	o unsafe site afety was pr med by DC	e conditio oposed. C	ns of exiti CN/AECON	ing side M/DCC/S	slope. A 3 i tantec to di	neter ver scuss sa	tical face fety optic	ons on how	to pro		ffle excavation
DCC continue dismantling of temporary bridge. Removal of bridge decking and store on-site. Pond 2 Area - Indian Creek Enhancement Cambridge Landscaping begin excavation of m Haul material to existing stockpile. Note: 10:00am excavation was halted due to DCC halted operations until a solution for sa 11:00am Cambridge Landscaping was infor This work will be recorded for future billing	o unsafe sito afety was pr med by DC0 purposes.	e conditio oposed. C C to excav	ns of exiti CN/AECON vate and si	ing side M/DCC/S slope the	slope. A 3 i tantec to di embankm	neter ver scuss sa	tical face fety optic	ons on how	to pro		ffle excavation
DCC continue dismantling of temporary bridge. Removal of bridge decking and store on-site. Pond 2 Area - Indian Creek Enhancement Cambridge Landscaping begin excavation of m Haul material to existing stockpile. Note: 10:00am excavation was halted due to DCC halted operations until a solution for sa 11:00am Cambridge Landscaping was infor This work will be recorded for future billing Excavation of material along embankment slope	o unsafe sito afety was pr med by DC0 purposes.	e conditio oposed. C C to excav	ns of exiti CN/AECON vate and si	ing side M/DCC/S slope the	slope. A 3 i tantec to di embankm	neter ver scuss sa	tical face fety optic	ons on how	to pro		ffle excavation
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DCC continue dismantling of temporary bridge. Removal of bridge decking and store on-site. Pond 2 Area - Indian Creek Enhancement Cambridge Landscaping begin excavation of m Haul material to existing stockpile. Note: 10:00am excavation was halted due to DCC halted operations until a solution for sa 11:00am Cambridge Landscaping was infor This work will be recorded for future billing Excavation of material along embankment slope Haul material to existing stockpile. Removal of existing wooden farm fencing and s	o unsafe site afety was pr med by DCo purposes. e along Riffle ite materials	e conditio oposed. C C to excav area to pro	ns of exiti CN/AECON vate and sl ovide a 3:1	ing side M/DCC/S slope the 1 embank	slope. A 3 r tantec to di embankm ment slope.	neter ver scuss sa ent to pro	tical face fety optic vide a 3:	ons on how 1 slope for	to proo	ceed.	ffle excavation
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CC continue dismantling of temporary bridge. Removal of bridge decking and store on-site. Pond 2 Area - Indian Creek Enhancement Cambridge Landscaping begin excavation of m Haul material to existing stockpile. Note: 10:00am excavation was halted due to DCC halted operations until a solution for sa 11:00am Cambridge Landscaping was infor This work will be recorded for future billing Excavation of material along embankment slope Haul material to existing stockpile. Removal of existing wooden farm fencing and s Install fencing along embankment edge for safe East Track Diversion DCC continue excavation of material for track di Place, grade and compact excavated cut/fill ma DCC QC technician on-site to conduct compact	o unsafe situ afety was pr med by DCG purposes. e along Riffle ite materials ity. version east terial to track tion testing o	e conditio roposed. C C to excav area to pro due to site ditch line a c diversion	ns of exiti CN/AECOM vate and sl ovide a 3:1 slope exca slope exca	ing side M/DCC/S slope the l embank avations.	slope. A 3 i tantec to di embankm ment slope. Material pla	neter ver iscuss sal ent to pro	tical face fety optic vide a 3:	ons on how 1 slope for	to proo	ceed.	ffle excavation
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CC continue dismantling of temporary bridge. Removal of bridge decking and store on-site. Pond 2 Area - Indian Creek Enhancement Cambridge Landscaping begin excavation of m Haul material to existing stockpile. Note: 10:00am excavation was halted due to DCC halted operations until a solution for sa 11:00am Cambridge Landscaping was infor This work will be recorded for future billing Excavation of material along embankment slope Haul material to existing stockpile. Removal of existing wooden farm fencing and s Install fencing along embankment edge for safe East Track Diversion DCC continue excavation of material for track di Place, grade and compact excavated cut/fill ma DCC QC technician on-site to conduct compact	o unsafe situ afety was pr med by DCG purposes. e along Riffle ite materials ity. version east terial to track tion testing o	e conditio roposed. C C to excav area to pro due to site ditch line a c diversion	ns of exiti CN/AECOM vate and sl ovide a 3:1 slope exca slope exca	ing side M/DCC/S slope the l embank avations.	slope. A 3 i tantec to di embankm ment slope. Material pla	neter ver iscuss sal ent to pro	tical face fety optic vide a 3:	ons on how 1 slope for	to proo	ceed.	ffle excavation
DCC continue dismantling of temporary bridge. Removal of bridge decking and store on-site. Pond 2 Area - Indian Creek Enhancement Cambridge Landscaping begin excavation of m Haul material to existing stockpile. Note: 10:00am excavation was halted due to DCC halted operations until a solution for sa I1:00am Cambridge Landscaping was infor This work will be recorded for future billing Excavation of material along embankment slope Haul material to existing stockpile. Removal of existing wooden farm fencing and s nstall fencing along embankment edge for safe East Track Diversion DCC continue excavation of material for track di Place, grade and compact excavated cut/fill ma DCC QC technician on-site to conduct compact	o unsafe situ afety was pr med by DCG purposes. e along Riffle ite materials ity. version east terial to track tion testing o	e conditio roposed. C C to excav area to pro due to site ditch line a c diversion	ns of exiti CN/AECOM vate and sl ovide a 3:1 slope exca slope exca	ing side M/DCC/S slope the l embank avations.	slope. A 3 i tantec to di embankm ment slope. Material pla	neter ver iscuss sal ent to pro	tical face fety optic vide a 3:	ons on how 1 slope for	to proo	ceed.	ffle excavation
DCC continue dismantling of temporary bridge. Removal of bridge decking and store on-site. Pond 2 Area - Indian Creek Enhancement Cambridge Landscaping begin excavation of m Haul material to existing stockpile. Note: 10:00am excavation was halted due to DCC halted operations until a solution for sa 11:00am Cambridge Landscaping was infor This work will be recorded for future billing Excavation of material along embankment slope Haul material to existing stockpile. Removal of existing wooden farm fencing and s nstall fencing along embankment edge for safe East Track Diversion DCC continue excavation of material for track di Place, grade and compact excavated cut/fill ma DCC QC technician on-site to conduct compact	o unsafe situ afety was pr med by DCG purposes. e along Riffle ite materials ity. version east terial to track tion testing o	e conditio roposed. C C to excav area to pro due to site ditch line a c diversion	ns of exiti CN/AECOM vate and sl ovide a 3:1 slope exca slope exca	ing side M/DCC/S slope the l embank avations.	slope. A 3 i tantec to di embankm ment slope. Material pla	neter ver iscuss sal ent to pro	tical face fety optic vide a 3:	ons on how 1 slope for	to proo	ceed.	ffle excavation
DCC continue dismantling of temporary bridge. Removal of bridge decking and store on-site. Pond 2 Area - Indian Creek Enhancement Cambridge Landscaping begin excavation of m Haul material to existing stockpile. Note: 10:00am excavation was halted due to DCC halted operations until a solution for sa 11:00am Cambridge Landscaping was infor This work will be recorded for future billing Excavation of material along embankment slope Haul material to existing stockpile. Removal of existing wooden farm fencing and s Install fencing along embankment edge for safe East Track Diversion DCC continue excavation of material for track di Place, grade and compact excavated cut/fill ma DCC QC technician on-site to conduct compact Continue installation of silt fencing as per desig	o unsafe situ afety was pr med by DCG purposes. e along Riffle ite materials ity. version east terial to track tion testing o	e conditio roposed. C C to excav area to pro due to site ditch line a c diversion	ns of exiti CN/AECOM vate and sl ovide a 3:1 slope exca slope exca	ing side M/DCC/S slope the l embank avations.	slope. A 3 i tantec to di embankm ment slope. Material pla	neter ver iscuss sal ent to pro	tical face fety optic vide a 3:	ons on how 1 slope for	to proo	ceed.	ffle excavation
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DCC continue dismantling of temporary bridge. Removal of bridge decking and store on-site. Pond 2 Area - Indian Creek Enhancement Cambridge Landscaping begin excavation of m Haul material to existing stockpile.	o unsafe situ afety was pr med by DC0 purposes. e along Riffle ite materials ite materials ity.	e conditio roposed. C C to excav area to pro due to site ditch line a ditch line a diversion n cut/fill m	ns of exiti CN/AECOW vate and sl ovide a 3:1 slope exca slope exca as per desig areas. aterial for tr	ing side M/DCC/S slope the I embank avations.	slope. A 3 i tantec to di embankm ment slope. Material pla diversion gr	neter ver iscuss sal ent to pro	tical face fety optic vide a 3:	ons on how 1 slope for	to proo	ceed.	ffle excavation
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DCC continue dismantling of temporary bridge. Removal of bridge decking and store on-site. Pond 2 Area - Indian Creek Enhancement Cambridge Landscaping begin excavation of m Haul material to existing stockpile. Note: 10:00am excavation was halted due to DCC halted operations until a solution for sa 11:00am Cambridge Landscaping was infor This work will be recorded for future billing Excavation of material along embankment slope Haul material to existing stockpile. Removal of existing wooden farm fencing and s Install fencing along embankment edge for safe East Track Diversion DCC continue excavation of material for track di Place, grade and compact excavated cut/fill ma DCC QC technician on-site to conduct compaci Continue installation of silt fencing as per desig	o unsafe situ afety was pr med by DC0 purposes. e along Riffle ite materials ite materials ity.	e conditio roposed. C C to excav area to pro due to site ditch line a ditch line a diversion n cut/fill m	ns of exiti CN/AECOW vate and sl ovide a 3:1 slope exca slope exca as per desig areas. aterial for tr	ing side M/DCC/S slope the I embank avations.	slope. A 3 i tantec to di embankm ment slope. Material pla diversion gr	neter ver iscuss sal ent to pro	tical face fety optic vide a 3:	ons on how 1 slope for	to proo	ceed.	ffle excavation
DCC continue dismantling of temporary bridge. Removal of bridge decking and store on-site. Pond 2 Area - Indian Creek Enhancement Cambridge Landscaping begin excavation of m -laul material to existing stockpile. Note: 10:00am excavation was halted due to DCC halted operations until a solution for sa 11:00am Cambridge Landscaping was infor This work will be recorded for future billing Excavation of material along embankment slope -laul material to existing stockpile. Removal of existing wooden farm fencing and s nstall fencing along embankment edge for safe East Track Diversion DCC continue excavation of material for track di Place, grade and compact excavated cut/fill ma DCC QC technician on-site to conduct compaci Continue installation of silt fencing as per desig Locates	o unsafe situ afety was pr med by DC0 purposes. e along Riffle ite materials ite materials ity.	e conditio roposed. C C to excav area to pro due to site ditch line a ditch line a diversion n cut/fill m	ns of exiti CN/AECOW vate and sl ovide a 3:1 slope exca slope exca as per desig areas. aterial for tr	ing side M/DCC/S slope the I embank avations.	slope. A 3 i tantec to di embankm ment slope. Material pla diversion gr	neter ver iscuss sal ent to pro	tical face fety optic vide a 3:	ons on how 1 slope for	to proo	ceed.	ffle excavation
DCC continue dismantling of temporary bridge. Removal of bridge decking and store on-site. Pond 2 Area - Indian Creek Enhancement Cambridge Landscaping begin excavation of m Haul material to existing stockpile. Note: 10:00am excavation was halted due to DCC halted operations until a solution for sa 11:00am Cambridge Landscaping was infor This work will be recorded for future billing Excavation of material along embankment sloped Haul material to existing stockpile. Removal of existing wooden farm fencing and s install fencing along embankment edge for safe East Track Diversion DCC continue excavation of material for track di Place, grade and compact excavated cut/fill ma DCC QC technician on-site to conduct compact Continue installation of silt fencing as per desig Badger Hi-Rail vac truck on-site to conduct loca	o unsafe situ afety was pr med by DC0 purposes. e along Riffle ite materials ite materials ity.	e conditio roposed. C C to excav area to pro due to site ditch line a ditch line a diversion n cut/fill m	ns of exiti CN/AECOW vate and sl ovide a 3:1 slope exca slope exca as per desig areas. aterial for tr	ing side M/DCC/S slope the I embank avations.	slope. A 3 i tantec to di embankm ment slope. Material pla diversion gr	neter ver iscuss sal ent to pro	tical face fety optic vide a 3:	ons on how 1 slope for	to proo	ceed.	ffle excavation
DCC continue dismantling of temporary bridge. Removal of bridge decking and store on-site. Pond 2 Area - Indian Creek Enhancement Cambridge Landscaping begin excavation of m Haul material to existing stockpile. Note: 10:00am excavation was halted due to DCC halted operations until a solution for sa 11:00am Cambridge Landscaping was infor This work will be recorded for future billing Excavation of material along embankment slope Haul material to existing stockpile. Removal of existing wooden farm fencing and s Install fencing along embankment edge for safe East Track Diversion DCC continue excavation of material for track di Place, grade and compact excavated cut/fill ma DCC QC technician on-site to conduct compaci Continue installation of silt fencing as per desig	o unsafe site afety was pr med by DCc purposes. e along Riffle ite materials ity. version east terial to track tion testing o n. ites at variou:	e conditio roposed. C C to excav area to pro due to site ditch line a ditch line a diversion n cut/fill m	ns of exiti CN/AECOW vate and sl ovide a 3:1 slope exca slope exca as per desig areas. aterial for tr	ing side M/DCC/S slope the I embank avations.	slope. A 3 i tantec to di embankm ment slope. Material pla diversion gr	neter ver iscuss sal ent to pro	tical face fety optic vide a 3:	ons on how 1 slope for	to proo	ceed.	ffle excavation



Indian Creek Area - Installation of Jute Matting along topsoiled areas



Indian Creek Area - Installation of Jute Matting along topsoiled areas



Indian Creek - C.L. install live stakes along Riparian Wetland areas



Indian Creek - Dismantle and remove bridge decking



Indian Creek - Dismantle and remove bridge decking



East Track Diversion - Excavation of material at east ditch for track diversion



East Track Diversion - Grading of cut/fill material for track diversion



East Track Diversion - DCC QC Tech. conducting compaction testing on cut/fill material



East Track Diversion - Installation of silt fencing



Pond 2 Area - Unsafe cut excavation at Riffle, embankment to be sloped



Pond 2 Area - Excavation of material for slope grading



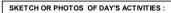
Pond 2 Area - Removal of existing farm fence for slope grading

MATERIALS OR EQUIPMENT DELIVERED TO SITE :	QUANTITY	LOCATION



		DAILY I	PROGR	ESS REI	PORT					No.:	231
PROJECT DESCRIPTION :	Milton Logistic									DAY :	Thursday
	Mile 38.72 to	40.98 Haltor	n Sub.								
AECOM PROJECT NO. :	60579933									DATE :	24-Nov-22
CLIENT'S CONTRACT NO. :	BW314-38.7					-				EATHER :	Fog/Sun
CONTRACTOR :	Dufferin Constr	uction Comp	any						TEMPE	RATURE:	12°C
PREPARED BY :	MIKE ARRIND	ELL									
	PRINT NAM	E		-	SIGNATURE						
LABOUR		/	/	. /	/		/ITY * /	/	/	. /	/
CLASSIFICATION "INCLUDING OPERATORS"	WUNDER	Hous	Diversion Tack	Morts ading Indian Creek	Installation Indian Creek - Ten-	Pond 21 des	Sill Fence	Vac Truck,	TribA BOX CLA	-actin-place	^{TOTAL} HOURS
CONTRACTOR:	Í	(7	/	ĺ		Í	Í	Í	í í	
Project Manager			Í	Í							0
Project Coordinator	1	10									10
Site Superintendent	1	10									10
Forman	4	10	1	1	1			1	1		40
Operator	9	10	6		1		2				90
Laborers	13	10	1	4	2		4		2		130
Grademan	1	10					1				10
Surveyor											0
											0
Sub-Contractor:			L								0
Super		10									0
Foremen	1	10				1					10
Operator	2	10				2					20
Laborers	1	10				1					10
Iron Worker		10									0
Vac Truck Workers	2	10						2			20
CN Flagman:	1	10									10
CN Signals:											0
											0
Environmental:											
Stantec Environmental Monitor	1	10									10
Stantec Technicians	2	10									20
Archaeological Monitors											0
Indigenous Monitors	-	40									0
GEMS TOTAL LABOUR	1 39	10	8	5	4	4	7	1	3	0	10 390
EQUIPMENT	59		0	5	4	4	/	1	5	0	390
TYPE, MODEL, CAPACITY											
CONTRACTOR: Dufferin Construction											
Excavator - Volvo ECR 355	1	10			1						10
Excavator - Hitachi 470	1	10					1		1		10
Excavator - John Deere 470	1	10	1				1				10
Rock Truck - Volvo A30G	2	10	2			1					20
Dozer - John Deere 550	1	10									10
Dozer - Deere Nortrax 750k LT	1	10	1								10
Loader - CAT 950	1	10			1						10
Drum Roller - CATCS44B	1										0
Sheepsfoot Packer - CAT CP56B	1	10	1								10
Mini Excavator - Bobcat E80	1	10					1			└──┤	10
Mini Excavator - CAT 80	1	10					1				10
RTV Shuttle	1	10		4			1			├	10
Kubota SV90 Skid Steer	1	10	1	1	2		1		-	├	10
Pick Up Truck Diesel Plate Tamper	8	10 10	1	2	2		1		2		80 10
Water pump / hose	1	10								├	0
Water pump / nose Water Truck	1	10								├	10
RT Backhoe - John Deere 710	1	10					<u> </u>				10
		10									0
SUB-CONTRACTOR:											0
Work Truck	2	10				2					20
CAT 320 Excavator	2	10				1					20

		,			- <u> </u>	1	1 1	-			
CAT 330 Excavator		10						0			
ohn Deer Tractor / Trailer	1 10	10			1	1		10			
i Rail Vac Truck	10					1		0			
								0			
								0			
								0			
								0			
								0			
								0			
TOTAL EQUIPMENT	40							290			
FLAGMAN'S NAME :	CN Flagman										
TYPE OF PROTECTION :	R42										
MILE, TIME, ETC. :	Halton Sub., N	lile 39.6 to Mile	42.9								
SITE SAFETY ISSUES:				(include n	ames, infraction	& actions taken)					
EMPLOYEE NAME	CONT.	SUB.	INFRAC	TION			ACTIONS	TAKEN			
THIRD PARTY ISSUES: (include names, discussions actions taken)											
NAME		DI	SCUSSIONS				ACTIONS	TAKEN			
NOTES OF TODAY'S ACTIVITIES & PROGRESS	:				(include any de	elays or instructions to c	ontractors)				
/ORKS:							,				
ndian Creek Area											
CC continue to install jute matting along	completed tonsoi	ed areas as	s per design								
take matting in place as required.			por debigri								
ambridge Landscaping continue installati	ion of live stake n	antings alo	ng Pinarian Wat	and areas							
ambridge Landscaping continue installati	ion of live stake p	antings alo	ng nipanan weu	anu areas.							
Removal of north side bridge approach ma	terials. Removal o	of approach	planks and conc	rete blockin	g and store o	on-site for future tra	nsport.				
Pond 2 Area - Indian Creek Enhanceme											
Cambridge Landscaping continue excavati	ion of material alo	ng existing	embankment slo	pe along Rif	fle area to pr	ovide a 3:1 emban	kment slope for	safety.			
laul material to existing stockpile.											
Removal of existing wooden farm fencing a	and site materials	due to site	slope excavation	s. Material p	laced in piles	s to be disposed of	at a later date.				
nstall fencing along embankment edge for											
Continue cutting and trimming of logs and	branches for riffle	installation	S.								
Inidentified well discovered during excava	tion works. Well to	o be decom	missioned as pe	r contract sp	ecifications.						
ast Track Diversion											
DCC continue excavation of material for tra	ick diversion east	ditch line a	s per design.								
Place, grade and compact excavated cut/fi											
DCC QC technician on-site to conduct con				d diversion o	grading.						
Continue installation of silt fencing as per o				2. 5.6.1							
rib A Box Culvert - Cast-In-Place Work	S										
CC continue works on Cast-in-Place sect		for Tributer	v A.								
temoval of outside wall forms.			,								
ayout for interior walls.											
ayour for interior walls.											
aaataa											
ocates	loootee et	o locati		oign = 1/File -	linoo	irod					
adger Hi-Rail vac truck on-site to conduct	i locates at variou	s locations	to locate existing	signal/fiber	lines as requ	ired.					
THER:											
N Flagman on site today at south track c	rossing.										





Indian Creek Area - Installation of Jute Matting along topsoiled areas



Indian Creek Area - Installation of Jute Matting along topsoiled areas



Indian Creek - Removals of north side bridge abutment



Indian Creek - Dismantle and remove bridge decking



Indian Creek - Dismantle and remove north abutment materials from bridge



East Track Diversion - Excavation of material at east ditch for track diversion



East Track Diversion - Grading of cut/fill material for track diversion



Trib A Box Culvert - Continue works on Cast in Place section



Trib A Box Culvert - Continue works on Cast in Place section



Pond 2 Area - Excavation of material for slope grading along embankment



Pond 2 Area - Excavation of material for slope grading



2 at 12:2

Pond 2 Area - Unknown existing well to be decommissioned

MATERIALS OR EQUIPMENT DELIVERED TO SITE :	QUANTITY	LOCATION



		DAILY I	PROGR	ESS REI	PORT					No.:	232
PROJECT DESCRIPTION :	Milton Logisti									DAY :	Friday
	Mile 38.72 to			0		-					,
AECOM PROJECT NO. :	60579933					-				DATE :	25-Nov-22
CLIENT'S CONTRACT NO. :	BW314-38.7	72-1.1				-			w	EATHER :	Sun
CONTRACTOR :	Dufferin Const	ruction Comp	any			-			TEMPE	RATURE:	11°C
PREPARED BY :	MIKE ARRIND					-				-	
PREPARED BY :		'ELL		_							
	PRINT NAM	E			SIGNATURE						
LABOUR						ACTI	/ITY				/
			Diversion Fack	Mores ading	25	Pond 21/104	set	Vac Truck,	TribA BOX CLAR	ź.	6
	NUMBED	- / -	o / 5	5 5 5				5.	§ 3		25
CLASSIFICATION "INCLUDING OPERATORS"	line,	House	- / ² - 5			India		ella,	, [*]	-ų	747
	2	-	Es Es	1 an	Pond 1/ Tou	2 2 Z	Silt Fenre	2 2	1 2 3	3	^{TOTAL} HOURS
		/	/ Š	22	\square	/ 20		<u> </u>	/ Ľ		/ ~
CONTRACTOR:											
Project Manager											0
Project Coordinator	1	10									10
Site Superintendent	1	10									10
Forman	5	10	2	1				1	1		50
Operator	9	10	6			1	1				90
Laborers	13	10	3	4			3		3		130
Grademan	1	10					1				10
Surveyor											0
											0
											0
Sub-Contractor:											
Super		10									0
Foremen	1	10				1					10
Operator	2	10				2					20
Laborers	1	10			9	1					10
Iron Worker		10									0
Vac Truck Workers	2	10						2			20
CN Flagman:	1	10									10
CN Signals:											0
											0
Environmental:											
Stantec Environmental Monitor	1	10									10
Stantec Technicians	2	10									20
Archaeological Monitors											0
Indigenous Monitors											0
GEMS	1	10									10
	40		11	5	9	5	5	1	4	0	400
EQUIPMENT TYPE, MODEL, CAPACITY	1										
CONTRACTOR: Dufferin Construction	1	10					1				10
Excavator - Volvo ECR 355 Excavator - Hitachi 470	1	10 10	1								10 10
Excavator - Hitachi 470 Excavator - John Deere 470	1	10	1								10
Rock Truck - Volvo A30G	2	10	2								20
Dozer - John Deere 550	1	10	<u> </u>			1					10
Dozer - Deere Nortrax 750k LT	1	10	1			- <u>-</u>	-		-		10
Loader - CAT 950	1	10									10
Drum Roller - CATCS44B	1	10									0
Sheepsfoot Packer - CAT CP56B	1	10	1				-		-		10
Mini Excavator - Bobcat E80	1	10	-								10
Mini Excavator - CAT 80	1	10					1				10
RTV Shuttle	1	10					1				10
Kubota SV90 Skid Steer	1	10		1			<u> </u>				10
Pick Up Truck	8	10	3	2			1		2		80
Diesel Plate Tamper	1	10	Ť				+ -		+ -		10
Water pump / hose	+ -						<u> </u>				0
Water Truck	1	10									10
RT Backhoe - John Deere 710	1	10	1				1		1		10
	+ -						1				0
SUB-CONTRACTOR:											0
Work Truck	2	10			2	2					20
CAT 320 Excavator	2	10				1	1				20
I											

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Hi Rail Yoe Truck 10 1 0 Hi Rail Yoe Truck 10 1 0 Final Yoe Truck 10 1 1 0 Final Yoe Truck 0 0 0 TOTAL EQUIPMENT 00 0 0 Final Yoe Truck 00 0 0 TUPE OF PARTY SAURE OF Figure Truck 10 0 Final Yoe Truck 00 0 0 TUPE OF PARTY SAURE OP Truck 00 TUPE OF PARTY SAURE 0007 90 Service of Party Truck 0007 90 THEO PARTY SAURE 0007 90 Service of Party Truck 0007 90 Service of Party Truck 0007 90 THEO PARTY SAURE 0007 90 Service of Party Truck 0007 90 Service of Party Truck 0007 90 Service of Party Truck 0007 90 Service of Party Truck 0007 90 Service of Party Truck 0007 90 Service of Party Truck 0007 90 Service of Party Truck 0007 90 Service of Party Truck 0007 90 Service of Party Truck 0007 90 Service of Party Truck 0007 90 Service of Party Truck 0007 90 Service of Party Truck 0007 90 Service of Party Truck 0007 90 Service of Party Truck 0007 90 Service	CAT 330 Excavator											0
Hi Ball Vac Trock 10 10 10 0	John Deer Tractor / Trailer	1	10				1					10
Image: Second	-								1			
TOTAL EQUIPMENT 40 0 0 TOTAL EQUIPMENT 40 0 0 0 TOTAL EQUIPMENT 40 0 0 0 0 TOTAL EQUIPMENT 40 0									-	-		-
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PAGMAYS SAME: OX Flegme TYPE OF PROTECTOR: Ref: Height HEL HE												0
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TYPE OF PROTECTONS: Ref. MEL, TINE, ETC.: Hoto Sdu, Mik 92.6 to Mik + 2.3 STEE SAFETY SSUES: (include names, iffection & actions short) EVELOYEE NAME CONT. 90.6. NFRACTON Actions Taken EVELOYEE NAME CONT. 90.6. NFRACTON Actions Taken Image: State of the state of th			•									
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OTHER:		tes at variou	s locations	to locate e	xistina si	anal/fiber lin	es as rem	uired.				
		at variou				J						
UN Flagman on site today at south track crossing.												
	un ⊢iagman on site today at south track crossi	ıg.										

SKETCH OR PHOTOS OF DAY'S ACTIVITIES :



Indian Creek Area - Installation of Jute Matting along topsoiled areas



East Track Diversion - Move sewers from Laydown Area 1 to installation site area.



Pond 1/Tributary A - Hydroseed topsoiled areas



Tributary A - Install live stake plantings along creek diversion.

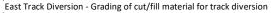


North Track Crossing - Hi-Rail vac truck locating signal cables along ROW



North Track Crossing - Hi-Rail vac truck locating signal cables along ROW







Trib A Box Culvert - Installation of forms and bracing for Cast in Place section



North Crossing Area - Removal of farm fencing along ROW



North Crossing Area - Installation of silt fencing along ROW as per design.



Pond 2 Area Creek Diversion- Excavation of material for slope grading



Pond 2 Area Creek Diversion- Install poly tarp along completed slope.

MATERIALS OR EQUIPMENT DELIVERED TO SITE :	QUANTITY	LOCATION



		DAILY I	PROGR	ESS RE	PORT					No.:	233
PROJECT DESCRIPTION :	Milton Logisti	cs Hub – Pha	se 1: Gradir	ng & Drainag	e					DAY :	Monday
	Mile 38.72 to				, 	•				-	-
AECOM PROJECT NO. :	60579933									DATE :	28-Nov-22
CLIENT'S CONTRACT NO. :	BW314-38.7	72-1.1							w	EATHER :	Sun
CONTRACTOR :	Dufferin Constr	uction Compa	any			•			TEMPE	RATURE:	11°C
PREPARED BY :	MIKE ARRIND	ELL								-	
	PRINT NAM	F		-	SIGNATURE						
LABOUR		7				ACTI\	/ITY				/
CLASSIFICATION "INCLUDING OPERATORS"	NUMBER	HOUP	Diversion Tack	Morts ading Indian Creek	^{9 Installation} Pond 1/ Tric	Pond 2mains	Sitt Fence	Vac Tuck,	^{171b} A Box Cui	olin, place	^{TOTAL HOURS}
	/		/ Ď	100		\ 4 ⁶		<u> </u>			/ 2
CONTRACTOR:			/	<u> </u>							-
Project Manager											0
Project Coordinator	1	10									10
Site Superintendent	1	10	-								10
Forman	5	10	2	1				1	1		50
Operator	9	10	6			1	1				90
Laborers	13	10	3	4			3		3		130
Grademan	1	10					1				10
Surveyor	-										0
											0
Sub-Contractor:			I								U
Super	-	10	1				1				0
Foremen	1	10				1					10
Operator	2	10				2					20
Laborers	1	10				1					10
Iron Worker	1	10				1					0
Vac Truck Workers	2	10						2			20
	2	10						2			20
CN Flagman:	2	10									20
CN Signals:		10									0
											0
Environmental:			1							II	-
Stantec Environmental Monitor	1	10									10
Stantec Technicians	2	10									20
Archaeological Monitors											0
Indigenous Monitors											0
GEMS	1	10									10
TOTAL LABOUR	41		11	5	0	5	5	1	4	0	410
EQUIPMENT			•								
TYPE, MODEL, CAPACITY											
CONTRACTOR: Dufferin Construction											
Excavator - Volvo ECR 355	1	10									10
Excavator - Hitachi 470	1	10	1								10
Excavator - John Deere 470	1	10	1								10
Rock Truck - Volvo A30G	2	10	2								20
Dozer - John Deere 550	1	10				1					10
Dozer - Deere Nortrax 750k LT	1	10	1								10
Loader - CAT 950	1	10									10
Drum Roller - CATCS44B	1										0
Sheepsfoot Packer - CAT CP56B	1	10	1								10
Mini Excavator - Bobcat E80	1	10									10
Mini Excavator - CAT 80	1	10					1				10
RTV Shuttle	1	10					1				10
Kubota SV90 Skid Steer	1	10		1							10
Pick Up Truck	8	10	3	2			1		2		80
Diesel Plate Tamper	1	10									10
Water pump / hose											0
Water Truck	1	10									10
RT Backhoe - John Deere 710	1	10									10
											0
SUB-CONTRACTOR:											0
Work Truck	2	10				2					20
CAT 320 Excavator	2	10				1					20

	1	1		1					1				
CAT 330 Excavator											0		
John Deer Tractor / Trailer	1	10				1					10		
Hi Rail Vac Truck	10							1	0				
											0		
		L									0		
											0		
											0		
											0		
											0		
TOTAL EQUIPMENT	40										290		
		-			-								
FLAGMAN'S NAME :	CN Flagman												
TYPE OF PROTECTION :	R42												
MILE, TIME, ETC. :	Halton Sub., M	lile 39.6 to Mi	le 42.9										
	•												
SITE SAFETY ISSUES:					(include nar	nes, infractio	n & actions ta	aken)					
EMPLOYEE NAME	CONT.	SUB.		INFRACT					A	CTIONS TAP			
THIRD PARTY ISSUES:					(include par	nes, discussi	ons actions t	aken)					
NAME		n	ISCUSSION	IS	(molade ridi					CTIONS TAP	(EN		
	+												
NOTES OF TODAY'S ACTIVITIES & PROGRESS :						(include arri			ntractore'				
						Include any (actays of INSt	ructions to co	niu aciors)				
WORKS:													
ndian Creek Area													
DCC continue to install jute matting along com	pleted topsoil	ed areas a	is per des	sign									
Stake matting in place as required.													
Pond 2 Area - Indian Creek Enhancement													
Cambridge Landscaping begin excavation of m	starial for Dif	fla installat	ion										
			1011.										
Haul material to existing stockpile.													
Continue cutting and trimming of logs and bran			ns.										
Begin installation of logs and tree limbs for Riff													
Stantec technician on-site to conduct fish rescu													
DCC maintain poly tarp along exposed embanl	ment slope f	or protection	on agains	t weather	elements.								
East Track Diversion													
DCC continue excavation of material for track d	iversion east	ditch line a	as per des	sign.									
Place, grade and compact excavated cut/fill ma	aterial to track	diversion	areas.										
DCC QC technician on-site to conduct compac				track be	d diversion ar	adina.							
					9	5							
North Crossing Area													
DCC continue to install silt fencing north of nor	th track cross	ing near o	ell tower o	and Britar	nia Road								
					nna riudu.								
Begin clearing and stripping of topsoil along th	e ROW east	side of the	mainiine	u ack.									
Trib A Box Culvert - Cast-In-Place Works													
DCC continue works on Cast-in-Place section	of box culvert	for Tributa	ry A.										
nstallation of interior wall forms and bracing.													
Locates													
Badger Hi-Rail vac truck on-site to conduct loca	ates at variou	s locations	to locate	existing	signal/fiber lin	es as rea	uired						
Sauger An-Itali vao truck On-Site to Conduct IOC	aluo al valiuu	5 IUGALIUI IS	to locale	GNIBUILIY	Signal IIDEL III	103 23 184							
OTHER:													
CN Flagman on site today at south track cross	ng.												
,, _,, _	-												

SKETCH OR PHOTOS OF DAY'S ACTIVITIES : Nov 28 202 at 955 30 De themaine Rd Miton ON L9E 0L7 Canada

Pond 2 Area Enhancement - Excavation of material for Riffle installation



Pond 2 Area Enhancement - Excavation of material for Riffle installation



Pond 2 Area Enhancement - Stantec conducting water sampling.



Pond 2 Area Enhancement - Poly tarped protected slope.



North Crossing Area - Begin striping and grading along ROW



East Track Diversion - Grading of cut/fill material for track diversion



East Track Diversion - Grading of cut/fill material for track diversion



East Track Diversion - Grading of cut/fill material for track diversion



Trib A Cast-in-Place Culvert - Forming of inner walls for box culvert



Trib A Cast-in-Place Culvert - Forming of inner walls and bracing for box culvert



Trib A Cast-in-Place Culvert - Removal of form work as required at middle culvert section.

MATERIALS OR EQUIPMENT DELIVERED TO SITE :	QUANTITY	LOCATION

AECOM

		DAILY I	ROGR	ESS REI	PORT					No.:	234
PROJECT DESCRIPTION :	Milton Logistic			ng & Drainag	je	-				DAY :	Tuesday
	Mile 38.72 to	40.98 Haltor	Sub.			-				-	
AECOM PROJECT NO. :	60579933					-				DATE:	29-Nov-22
CLIENT'S CONTRACT NO. :	BW314-38.7					-				EATHER :	Cloudy
CONTRACTOR :	Dufferin Constr	uction Comp	any			-			TEMPE	RATURE:	8°C
PREPARED BY :	MIKE ARRIND	ELL									
LABOUR	PRINT NAM	E	_		SIGNATURE	ACTI					/
	/	/	/			/	* /		. /		\$ /
CLASSIFICATION "INCLUDING OPERATORS"	NUMBER	HOLLO	Diversion Tack	notes Sement	J Installation	Pond 21mains	Sill Fenre	⁷ rib A Box Culus	Sun Canadr.	North Gade	^{TOTAL} HOLRS
CONTRACTOR:			7	/	(([(,
Project Manager			ĺ								0
Project Coordinator	1	10									10
Site Superintendent	1	10									10
Forman	5	10	2	1				1		1	50
Operator	10	10	6				1			3	100
Laborers	12	10	3	2			3	3		1	120
Grademan	1	10					1				10
Surveyor											0
											0
Sub-Contractor:			I		I		L				0
Super	1	5							1		5
Foremen	1	10				1					10
Operator	2	10				2					20
Laborers	1	10				1					10
Iron Worker		10									0
Vac Truck Workers	2	10			2						20
Technicians	1	5							1		5
CN Flagman:	2	10									20
CN Signals:	4	10			4						40 0
Environmental:						I					
Stantec Environmental Monitor	1	10									10
Stantec Technicians	2	10									20
Archaeological Monitors											0
Indigenous Monitors											0
GEMS	1	10									10
TOTAL LABOUR	47		11	3	6	4	5	4	2	5	460
EQUIPMENT											
TYPE, MODEL, CAPACITY											
CONTRACTOR: Dufferin Construction						-					
Excavator - Volvo ECR 355	1	10								1	10
Excavator - Hitachi 470	1	10	1								10
Excavator - John Deere 470	1	10	1								10
Rock Truck - Volvo A30G	4	10	2							2	40
Dozer - John Deere 550	1	10									10
Dozer - Deere Nortrax 750k LT	2	10	1							1	20
Loader - CAT 950	1	10								├	10 0
Drum Roller - CATCS44B Sheepsfoot Packer - CAT CP56B	1	10	1	<u> </u>						┝──┤	10
Mini Excavator - Bobcat E80	1	10	-								10
Mini Excavator - CAT 80	1	10					1				10
RTV Shuttle	1	10	-				1	-		\vdash	10
Kubota SV90 Skid Steer	1	10	1	1			+ -				10
Pick Up Truck	8	10	3	1			1	2			80
Diesel Plate Tamper	1	10	1	_			-	-			10
Water pump / hose	-										0
Water Truck	1	10	1								10
RT Backhoe - John Deere 710	1	10	1	· · · · ·	1	1	1	1			10
											0
SUB-CONTRACTOR:											0
Work Truck	2	10			3	2			2		20
CAT 320 Excavator	2	10				1					20

CAT 330 Excavator										0
John Deer Tractor / Trailer	1	10			1	1		1	1	10
Hi Rail Vac Truck	10			1						0
Tanker Truck	5	1						1		5
								1		
										0
										0
										0
										0
										0
TOTAL EQUIPMENT	48									325
	10				I					020
FLAGMAN'S NAME :										
	CN Flagman									
TYPE OF PROTECTION :	R42									
MILE, TIME, ETC. :	Halton Sub., N	file 39.6 to Mi	le 42.9							
SITE SAFETY ISSUES:				(include nar	nes, infractio	n & actions	taken)			
EMPLOYEE NAME	CONT.	SUB.	INFRA	CTION				AC	TIONS TAP	KEN
	-			-						
THIRD PARTY ISSUES:				(include nar	nes, discussi	ons actions	taken)			
NAME		D	ISCUSSIONS					AC	TIONS TAP	(EN
			-							
	-									
	_									
					<u> </u>		<u> </u>			
NOTES OF TODAY'S ACTIVITIES & PROGRESS :					(include any	delays or ins	tructions to co	ontractors)		
WORKS:										
Indian Creek Area										
DCC continue to install jute matting along com	nleted tonsoi	led areas a	is ner design							
			is per design							
Stake matting in place as required.										
Pond 2 Area - Indian Creek Enhancement										
Cambridge Landscaping continue excavation	of material for	Riffle insta	llation.							
Haul material to existing stockpile.										
· ·	an ah an far Di		laaina							
Continue installation of logs, tree limbs and bra			-							
DCC install additional tarps and maintain poly	tarp along ex	posed emb	ankment slopes	for protection a	igainst we	ather eler	nents.			
East Track Diversion										
DCC continue excavation of material for track of	diversion east	ditch line a	as per design							
Place, grade and compact excavated cut/fill m										
DCC QC technician on-site to conduct compa				ed diversion gr	ading.					
DCC began excavation for Culvert #3 - 2400m	m Concrete p	oipe installa	ition.							
Install filter fabric, place, grade and compact g	ranular mater	ial for culve	ert bedding as pe	er design.						
Install 3 sections of 2400mm concrete sewer p	oipe.									
CN signals and Hi-Rail Vac Truck on-site for in		teel casing	around existing	signal cables v	vest side o	of mainline	track at C	ulvert #3	location	
Vac excavate trench, install steel casing aroun									. seatori.	
יוס סאטעיענט נוסווטון, ווזסגמו סנכבו טמסוווט מוטעוו			ion with granular	material as pe	acayn.					
North Crossing Area										
DCC installed construction fencing along limits										
Continue excavation and stripping of topsoil al	ong the ROW	east side	of the mainline tr	ack.						
Place material at stockpile area.										
Sun Considion Direction										
Sun Canadian Pipeline										
Sun Canadian technician and supervisor on-si	te to complete	e charging	abandoned pipe	line.						
Tanker truck on-site filled with nitrogen gas.										
Charge existing pipeline by pumping nitrogen	gas from tank	er into aba	ndoned pipeline	to the required	PSI press	sure.				
			1	1	1.20					
Trib A Box Culvert - Cast-In-Place Works										
DCC continue works on Cast-in-Place section	of box culvert	for Tributa	ry A.							
Installation of interior wall forms and bracing.										
OTHER:										
CN Flagman on site today at south track cross	ina.									
	5									

SKETCH OR PHOTOS OF DAY'S ACTIVITIES :



Nov 29, 2022 at 1:50:20 PM 5269 Tremaine Ro Miltore ON L9E 0L7 Canada

Pond 2 Area Enhancement - Installation of material for Riffle

Nov 29, 2092 at 1:57:20 PM Milton ON Canada Sterwood

Trib A Cast-in-Place - Installation of interior forms for box culvert section



North Crossing Area - Continue striping and grading along ROW



North Crossing Area - Continue striping and grading along ROW



Lower Baseline Area - Encase signals in steel troughing at sewer crossing location



Lower Baseline Area - Backfill trench at culvert crossing location



East Track Diversion - Excavation and bedding installation for storm sewer



North Crossing Area - Installation of construction fencing along the ROW



Pond 2 Area - Protection cover of slopes with poly tarps.



Sun Canadian - Pumping of Nitrogen gas into abandoned pipeline



East Track Diversion - Grading of cut/fill material for track diversion

MATERIALS OR EQUIPMENT DELIVERED TO SITE :	QUANTITY	LOCATION



		DAILY I	PROGR	ESS REI	PORT					No.:	235
PROJECT DESCRIPTION :	Milton Logistic									DAY :	Wednesday
	Mile 38.72 to 4	40.98 Haltor	ı Sub.			-				-	
AECOM PROJECT NO. :	60579933					_				DATE :	30-Nov-22
CLIENT'S CONTRACT NO. :	BW314-38.7	2-1.1				_			w	EATHER :	Rain
CONTRACTOR :	Dufferin Constr	uction Comp	any						TEMPE	RATURE:	9°C
PREPARED BY :	MIKE ARRIND	ELL									
	PRINT NAM	E		-	SIGNATURE						
LABOUR		/				ACTIV	ΊΤΥ				
CLASSIFICATION "INCLUDING OPERATORS"	NUMBER	Hound	Diversion rack	Mating Cean	a masalation CN - Signals Proteonials	Pond 21100	Sill Fence	⁷ rib A Box Cui,	Sun Canadri,	North Carrie Works	⁷⁰ 141 HOURS
CONTRACTOR:	Í		7	7		Í	Í	Í	Í		
Project Manager											0
Project Coordinator	1	10									10
Site Superintendent	1	10									10
Forman	5	10									50
Operator		10									0
Laborers		10									0
Grademan		10									0
Surveyor											0
											0
Sub Contractory											0
Sub-Contractor:		-	1					1		, i	0
Super		5									0
Foremen		10									0
Operator		10									0
Laborers		10									0
Iron Worker	_	10									0
Vac Truck Workers		10									0
Technicians		5									0
CN Flagman:	2	10									20
CN Signals:		10									0
Environmental:											0
Stantec Environmental Monitor	1	10	1							I I	10
Stantec Technicians	2	10									20
Archaeological Monitors	2	10									0
Indigenous Monitors											0
GEMS	1	10									10
TOTAL LABOUR	1 12	10	0	0	0	0	0	0	0	0	120
EQUIPMENT	12		0	0	0	0	0	0	0	0	120
TYPE, MODEL, CAPACITY											
CONTRACTOR: Dufferin Construction	1	10	1					1	1		10
Excavator - Volvo ECR 355	1	10									10
Excavator - Hitachi 470	1	10									10
Excavator - John Deere 470	1	10									10
Rock Truck - Volvo A30G Dozer - John Deere 550	4	10									40
	1	10									10
Dozer - Deere Nortrax 750k LT	2	10									20
Loader - CAT 950 Drum Roller - CATCS44B	1	10									10 0
Sheepsfoot Packer - CAT CP56B		10									
	1	10									10
Mini Excavator - Bobcat E80 Mini Excavator - CAT 80	1	10 10									10 10
	1	10									10
RTV Shuttle Kubota SV90 Skid Steer	1	10									10
Pick Up Truck	8	10									80
Diesel Plate Tamper	8	10									10
· · · · · · · · · · · · · · · · · · ·	1	10									0
Water pump / hose	1	10									10
Water Truck RT Backhoe - John Deere 710	1	10									10
NT BACKING - JOHN DEELE / 10	1	10									0
SUB-CONTRACTOR:											0
Work Truck	2	10									20
CAT 320 Excavator	2	10									20
	-				I					· · · · · · · · · · · · · · · · · · ·	

CAT 330 Excavator										0
John Deer Tractor / Trailer	1	10								10
Hi Rail Vac Truck	10									0
Tanker Truck	5	1			1			1	+ +	5
anne. Huek		+ <u>+</u>	<u>├</u>					+	+ +	0
			┝─── ┝──						<u> </u>	
					I			_	<u> </u>	0
										0
										0
										0
TOTAL COMPMENT	10							-		
TOTAL EQUIPMENT	48									325
FLAGMAN'S NAME :	CN Flagman									
TYPE OF PROTECTION :	R42									
MILE, TIME, ETC. :	Halton Sub., M	ile 39.6 to Mile	e 42.9							
SITE SAFETY ISSUES:				(include na	mes, infractio	n & actions ta	aken)			
	00117	0.10					alkerij			
EMPLOYEE NAME	CONT.	SUB.	INF	RACTION				A	CTIONS TAKEN	
	I	I								
				<i>"</i>						
THIRD PARTY ISSUES:				(include nar	nes, discussio	ons actions ta	aken)			
NAME		DI	SCUSSIONS					A	CTIONS TAKEN	
					1					
NOTES OF TODAY'S ACTIVITIES & PROGRESS :					(include any o	delays or inst	ructions to c	contractors)		
NORKS:										
ndian Creek Area										
lo work in this area due to weather condition	IS									
Pond 2 Area - Indian Creek Enhancement	t									
No work in this area due to weather conditior	าร									
East Track Diversion										
No work in this area due to weather condition	าร									
North Crossing Area										
lo work in this area due to weather condition	าร									
	15									
	IS									
	18									
	15									
Trib A Box Culvert - Cast-In-Place Works No work in this area due to weather condition	15									
	15									
	15									
to work in this area due to weather condition	15									
No work in this area due to weather condition	15									
	15									
No work in this area due to weather condition	15									

SKETCH OR PHOTOS OF DAY'S ACTIVITIES :

1		
MATERIALS OR EQUIPMENT DELIVERED TO SITE :	QUANTITY	LOCATION



			PROGR	ESS RE	PORT					No.:	236
PROJECT DESCRIPTION :	Milton Logistic	s Hub – Pha	se 1: Gradi	ng & Draina	ge					DAY :	Thursday
	Mile 38.72 to 4			0	5-	-					
AECOM PROJECT NO. :	60579933					-				DATE :	01-Dec-22
CLIENT'S CONTRACT NO. :	BW314-38.7	2-1.1				-			w	EATHER :	Cloudy/Wind
CONTRACTOR :	Dufferin Constr	uction Compa	any			-			TEMPE	RATURE:	-3°C
PREPARED BY :	MIKE ARRIND	ELL				-				-	
				-							
LABOUR	PRINT NAM	E			SIGNATURE	ACTIV					/
LABOOK		/	/	~ /	00		* /		, /		.9 /
CLASSIFICATION "INCLUDING OPERATORS"	NUMBER	HOURS	Diversion Pack	Morts, Severs Indian Clean Mattin Cleat	onstallation	Pond 2main	Sill Fence	Trib A Box Culus	aced.	North Gam	^{TOTAL} HOLRS
CONTRACTOR:	(/	<u>/ ~</u>		((<u> </u>	(/
Project Manager			Í	Í							0
Project Coordinator	1	10									10
Site Superintendent	1	10									10
Forman	4	10	2					1		1	40
Operator	10	10	6				1			3	100
Laborers	10	10	3				3	3		1	100
Grademan	1	10					1				10
Surveyor											0
				1							0
											0
Sub-Contractor:			1		1						
Super											0
Foremen		10									0
Operator		10									0
Laborers		10									0
Iron Worker											0
Technicians	1	10	1								10
											0
CN Flagman:	1	10									10
CN Signals:											0
											0
Environmental:		10									10
Stantec Environmental Monitor	1	10									10
Stantec Technicians	2	10									20 0
Archaeological Monitors Indigenous Monitors											0
GEMS	1	10									10
TOTAL LABOUR	32	10	12	0	0	0	5	4	0	5	320
EQUIPMENT	52		12	0	0	0	5	4	0	5	320
TYPE, MODEL, CAPACITY											
CONTRACTOR: Dufferin Construction											
Excavator - Volvo ECR 355	1	10								1	10
Excavator - Hitachi 470	1	10	1							-	10
Excavator - John Deere 470	1	10	1		1						10
Rock Truck - Volvo A30G	3	10	1							2	30
Dozer - John Deere 550	1	10		1							10
Dozer - Deere Nortrax 750k LT	2	10	1							1	20
Loader - CAT 950	1	10									10
Drum Roller - CATCS44B	1										0
Sheepsfoot Packer - CAT CP56B	1	10	1								10
Mini Excavator - Bobcat E80	1	10									10
Mini Excavator - CAT 80	1	10					1				10
RTV Shuttle	1	10					1				10
Kubota SV90 Skid Steer	1	10									10
Pick Up Truck	8	10	3				1	2		2	80
Diesel Plate Tamper	1	10	1								10
Water pump / hose											0
Water Truck	1	10									10
RT Backhoe - John Deere 710	1	10									10
											0
SUB-CONTRACTOR:											0
Work Truck	2	10									20
CAT 320 Excavator	2	10									20

CAT 220 Fuer ter		-								
CAT 330 Excavator										0
John Deer Tractor / Trailer	1	10								10
Hi Rail Vac Truck	10									0
Tanker Truck	5	1								5
										0
										0
										0
										0
										0
TOTAL EQUIPMENT	47									315
TOTAL EQUIPMENT	47									515
FLAGMAN'S NAME :	CN Flagman									
TYPE OF PROTECTION :										
	R42									
MILE, TIME, ETC. :	Halton Sub., M	lile 39.6 to Mil	e 42.9							
SITE SAFETY ISSUES:					ames, infractio	on & actions t	aken)			
EMPLOYEE NAME	CONT.	SUB.	INFR	ACTION	_			AC	TIONS TAK	EN
THIRD PARTY ISSUES:				(include na	mes, discussi	ions actions f	laken)			
NAME		ח	ISCUSSIONS	,	T	1	Ĺ	AC	TIONS TAK	EN
					+	1				
NOTES OF TODAVIS ACTIVITIES & PROOPERS					(include	dolours s = !::	In patients to to	ntracter		
NOTES OF TODAY'S ACTIVITIES & PROGRESS :					(include any	uelays or ins	tructions to co	ndaciors)		
WORKS:										
ndian Creek Area										
No work at this location.										
Pond 2 Area - Indian Creek Enhancement	•									
	L									
No work at this location.										
	k diversion west	side ditch	line as per des	gn.						
East Track Diversion DCC continue excavation of material for track Place, grade and compact excavated cut/fill I				gn.						
DCC continue excavation of material for track Place, grade and compact excavated cut/fill r	material to track	diversion	areas.	-	rading.					
DCC continue excavation of material for track Place, grade and compact excavated cut/fill r DCC QC technician on-site to conduct comp	material to track paction testing o	diversion	areas. aterial for track	-	rading.					
DCC continue excavation of material for track Place, grade and compact excavated cut/fill n DCC QC technician on-site to conduct comp DCC continue excavation for Culvert #3 - 240	material to track paction testing o 00mm Concrete	diversion n cut/fill ma pipe insta	areas. aterial for track Ilation.	bed diversion g	rading.					
DCC continue excavation of material for track Place, grade and compact excavated cut/fill r DCC QC technician on-site to conduct comp DCC continue excavation for Culvert #3 - 240 Install filter fabric, place, grade and compact	material to track paction testing o 00mm Concrete granular materi	diversion n cut/fill ma pipe insta	areas. aterial for track Ilation.	bed diversion g	rading.					
DCC continue excavation of material for track Place, grade and compact excavated cut/fill r DCC QC technician on-site to conduct comp DCC continue excavation for Culvert #3 - 240 Install filter fabric, place, grade and compact	material to track paction testing o 00mm Concrete granular materi	diversion n cut/fill ma pipe insta	areas. aterial for track Ilation.	bed diversion g	rading.					
DCC continue excavation of material for track Place, grade and compact excavated cut/fill r DCC QC technician on-site to conduct comp DCC continue excavation for Culvert #3 - 240 Install filter fabric, place, grade and compact	material to track paction testing o 00mm Concrete granular materi	diversion n cut/fill ma pipe insta	areas. aterial for track Ilation.	bed diversion g	rading.					
DCC continue excavation of material for track Place, grade and compact excavated cut/fill r DCC QC technician on-site to conduct comp DCC continue excavation for Culvert #3 - 240 Install filter fabric, place, grade and compact	material to track paction testing o 00mm Concrete granular materi	diversion n cut/fill ma pipe insta	areas. aterial for track Ilation.	bed diversion g	rading.					
DCC continue excavation of material for track Place, grade and compact excavated cut/fill n DCC QC technician on-site to conduct comp DCC continue excavation for Culvert #3 - 240 nstall filter fabric, place, grade and compact	material to track paction testing o 00mm Concrete granular materi	diversion n cut/fill ma pipe insta	areas. aterial for track Ilation.	bed diversion g	rading.					
DCC continue excavation of material for track Place, grade and compact excavated cut/fill r DCC QC technician on-site to conduct comp DCC continue excavation for Culvert #3 - 240 Install filter fabric, place, grade and compact Install 4 sections of 2400mm concrete sewer	material to track paction testing o 00mm Concrete granular materi r pipe.	diversion n cut/fill ma pipe insta	areas. aterial for track Ilation.	bed diversion g	rading.					
DCC continue excavation of material for track Place, grade and compact excavated cut/fill n DCC QC technician on-site to conduct comp DCC continue excavation for Culvert #3 - 240 Install filter fabric, place, grade and compact Install 4 sections of 2400mm concrete sewer	material to track paction testing o 00mm Concrete granular materi r pipe. ess Road	(diversion n cut/fill ma ∋ pipe insta ial for culve	areas. aterial for track Ilation. rt bedding as p	er design.	rading.					
DCC continue excavation of material for track Place, grade and compact excavated cut/fill n DCC QC technician on-site to conduct comp DCC continue excavation for Culvert #3 - 240 nstall filter fabric, place, grade and compact nstall 4 sections of 2400mm concrete sewer	material to track paction testing o 00mm Concrete granular materi r pipe. ess Road	(diversion n cut/fill ma ∋ pipe insta ial for culve	areas. aterial for track Ilation. rt bedding as p	er design.	rading.					
DCC continue excavation of material for track Place, grade and compact excavated cut/fill n DCC QC technician on-site to conduct comp DCC continue excavation for Culvert #3 - 240 Install filter fabric, place, grade and compact Install 4 sections of 2400mm concrete sewer	material to track paction testing o 00mm Concrete granular materi r pipe. ess Road its of constructio	diversion n cut/fill ma pipe insta ial for culve ial for culve	areas. aterial for track Ilation. rt bedding as p de of crossing	er design. as per design.		ng.				
DCC continue excavation of material for track Place, grade and compact excavated cut/fill n DCC QC technician on-site to conduct comp DCC continue excavation for Culvert #3 - 240 Install filter fabric, place, grade and compact Install 4 sections of 2400mm concrete sewer North Crossing Area / Sun Canadian Accor DCC installed construction fencing along limi Continue excavation and stripping of topsoil	material to track paction testing o 00mm Concrete granular materi r pipe. ess Road its of constructio	diversion n cut/fill ma pipe insta ial for culve ial for culve	areas. aterial for track Ilation. rt bedding as p de of crossing	er design. as per design.		ng.				
DCC continue excavation of material for track Place, grade and compact excavated cut/fill n DCC QC technician on-site to conduct comp DCC continue excavation for Culvert #3 - 240 Install filter fabric, place, grade and compact Install 4 sections of 2400mm concrete sewer North Crossing Area / Sun Canadian Acce DCC installed construction fencing along limi Continue excavation and stripping of topsoil a Place material at stockpile area.	material to track paction testing o 00mm Concrete granular materi r pipe. ess Road its of constructio along the ROW	a diversion n cut/fill ma pipe insta ial for culve on south si east side	areas. aterial for track Ilation. It bedding as p de of crossing of the mainline	er design. er design. as per design.	ack crossir	-	ssing as po	ar design		
DCC continue excavation of material for track Place, grade and compact excavated cut/fill n DCC QC technician on-site to conduct comp DCC continue excavation for Culvert #3 - 240 Install filter fabric, place, grade and compact Install 4 sections of 2400mm concrete sewer North Crossing Area / Sun Canadian Acce DCC installed construction fencing along limi Continue excavation and stripping of topsoil a Place material at stockpile area.	material to track paction testing o 00mm Concrete granular materi r pipe. ess Road its of constructio along the ROW	a diversion n cut/fill ma pipe insta ial for culve on south si east side	areas. aterial for track Ilation. It bedding as p de of crossing of the mainline	er design. er design. as per design.	ack crossir	-	ssing as pe	er design		
DCC continue excavation of material for track Place, grade and compact excavated cut/fill n DCC QC technician on-site to conduct comp DCC continue excavation for Culvert #3 - 240 Install filter fabric, place, grade and compact Install 4 sections of 2400mm concrete sewer North Crossing Area / Sun Canadian Acce DCC installed construction fencing along limi Continue excavation and stripping of topsoil a Place material at stockpile area.	material to track paction testing o 00mm Concrete granular materi r pipe. ess Road its of constructio along the ROW	a diversion n cut/fill ma pipe insta ial for culve on south si east side	areas. aterial for track Ilation. It bedding as p de of crossing of the mainline	er design. er design. as per design.	ack crossir	-	ssing as pe	er design.		
DCC continue excavation of material for track Place, grade and compact excavated cut/fill n DCC QC technician on-site to conduct comp DCC continue excavation for Culvert #3 - 240 Install filter fabric, place, grade and compact Install 4 sections of 2400mm concrete sewer North Crossing Area / Sun Canadian Acce DCC installed construction fencing along limi Continue excavation and stripping of topsoil a Place material at stockpile area.	material to track paction testing o 00mm Concrete granular materi r pipe. ess Road its of constructio along the ROW	a diversion n cut/fill ma pipe insta ial for culve on south si east side	areas. aterial for track Ilation. It bedding as p de of crossing of the mainline	er design. er design. as per design.	ack crossir	-	ssing as pe	er design		
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SKETCH OR PHOTOS OF DAY'S ACTIVITIES :



East Track Diversion - Grading of cut/fill material for track diversion



East Track Diversion - Grading of cut/fill material for track diversion



East Track Diversion - Grading of cut/fill material for track diversion



East Track Diversion - Grading of cut/fill material for track diversion



East Track Diversion - Excavation of west side ditch cut to fill



East Track Diversion - Excavation of west side ditch cut to fill





East Track Diversion - Installation of 2400mm concrete storm sewer

East Track Diversion - Installation of 2400mm concrete storm sewer

Dec 1, 2022 at 12:59:28 PM 3243–3247 Lower Base Line W Milton ON L9E 0J9



East Track Diversion - Installation of 2400mm concrete storm sewer

Pond 2 Area - Protection cover of slopes with poly tarps.



East Track Diversion - Installation of 2400mm concrete storm sewer

East Track Diversion - Grading of cut/fill material for track diversion

MATERIALS OR EQUIPMENT DELIVERED TO SITE :	QUANTITY	LOCATION

AECOM

		DAILY I	PROGR	ESS RE	PORT					No.:	237
PROJECT DESCRIPTION :	Milton Logisti									DAY :	Friday
	Mile 38.72 to					-				-	
AECOM PROJECT NO. :	60579933					-				DATE :	02-Dec-22
CLIENT'S CONTRACT NO. :	BW314-38.7	72-1.1				_			w	EATHER :	Sun
CONTRACTOR :	Dufferin Constr	ruction Comp	any			_			TEMPE	RATURE:	3°C
PREPARED BY :	MIKE ARRIND	ELL				-				-	
				-							
	PRINT NAM	E			SIGNATURE						/
LABOUR	/	L					<u>///Y</u>				/
CLASSIFICATION "INCLUDING OPERATORS"	NUMBER	House	Diversion rack	ons, Sewers		Pond 21 dia	Sill Fence	⁷ rib _A Box C _{WI}	bace	North Gam	⁷⁰ 141 HOURS
	/			<u> </u>	/	20				~~~	/ ~
CONTRACTOR:											
Project Manager											0
Project Coordinator	1	10									10
Site Superintendent	1	10									10
Forman	4	10	2					1		1	40
Operator	10	10	6				1	-		3	100
Laborers	10	10	3				3	3		1	100
Grademan	1	10					1				10
Surveyor											0
											0
Sub Contractory											0
Sub-Contractor:		1	1	1	1	1	1		1		
Super	1	10				1					0
Foremen	1	10				1					10
Operator	3	10 10				3					30 10
Laborers Iron Worker	2	10				1		2			20
Technicians	1	10	1					2			10
		10	1								0
CN Flagman:	1	10									10
CN Signals:	1	10									0
cre signals.											0
Environmental:											
Stantec Environmental Monitor	1	10									10
Stantec Technicians	2	10									20
Archaeological Monitors											0
Indigenous Monitors											0
GEMS	1	10									10
TOTAL LABOUR	39		12	0	0	5	5	4	0	5	390
EQUIPMENT											
TYPE, MODEL, CAPACITY											
CONTRACTOR: Dufferin Construction		-		_							
Excavator - Volvo ECR 355	1	10								1	10
Excavator - Hitachi 470	1	10	1								10
Excavator - John Deere 470	1	10	1								10
Rock Truck - Volvo A30G	3	10	1							2	30
Dozer - John Deere 550	1	10									10
Dozer - Deere Nortrax 750k LT	2	10	1							1	20
Loader - CAT 950	1	10									10
Drum Roller - CATCS44B	1	10	1								0
Sheepsfoot Packer - CAT CP56B Mini Excavator - Bobcat E80	1	10 10	1								10 10
							1				
Mini Excavator - CAT 80 RTV Shuttle	1	10 10					1				10 10
Kubota SV90 Skid Steer	1	10					-				10
Pick Up Truck	8	10	3				1	2		2	80
Diesel Plate Tamper	° 1	10	1				-				10
Water pump / hose		10	- <u>-</u>								0
Water Truck	1	10									10
RT Backhoe - John Deere 710	1	10									10
	1 -										0
SUB-CONTRACTOR:											0
Work Truck	2	10				3					20
CAT 320 Excavator	2	10				2					20

CAT 330 Excavator John Deer Tractor / Trailer Hi Rail Vac Truck			r		1					
Hi Rail Vac Truck	_									0
	1	10			1					10
	10									0
Tanker Truck	5	1								5
										0
										0
										0
										0
										0
TOTAL EQUIPMENT	47									315
				•						
FLAGMAN'S NAME :	CN Flagman									
TYPE OF PROTECTION :	R42									
MILE, TIME, ETC. :	Halton Sub., M	le 39.6 to Mil	e 42.9							
SITE SAFETY ISSUES:				(include nar	nes, infractio	n & actions t	aken)			
EMPLOYEE NAME	CONT.	SUB.	INFRACT	ION				AC	TIONS TAK	EN
THIRD PARTY ISSUES:				(include non	nes, discussio	ons actions	aken)			
NAME			ISCUSSIONS	(monute ridii					TIONS TAK	FN
		U						AC	. IONO I AN	
	+									
NOTES OF TODAY'S ACTIVITIES & PROGRESS :					(include			ntracter		
					(include any d	uelays or ins	tructions to co	nifaciórs)		
WORKS:										
Pond 2 Area - Indian Creek Enhancement		D:00 · ·								
Cambridge Landscaping continue excavation	of material for	Riffle insta	llation.							
Haul material to existing stockpile.										
Continue installation of logs, tree limbs and bi			lesign.							
Place and grade topsoil material for Riffle worl										
DCC install additional tarps and maintain poly	tarp along exp	osed emb	ankment slopes fo	or protection a	igainst we	ather elen	nents.			
East Track Diversion										
DCC continue excavation of material for track	diversion west	side ditch	line as per design							
Place, grade and compact excavated cut/fill m										
DCC QC technician on-site to conduct compa				d diversion ar	ading					
DCC continue Culvert #3 - 2400mm Concrete	v			<u></u>						
Place, grade and compact granular material b			as ner design							
DCC QC technician on-site to conduct compa										
	cuon testing of	i backili y								
North Crossing Area / Sun Canadian Acce			-14-24-1-1-1							
DCC continue excavation and stripping of top		ROW east	side of the mainlin	e track north	of track cr	ossing.				
DCC continue excavation and stripping of top Place material at stockpile area.		ROW east	side of the mainlin	e track north	of track cr	ossing.				
DCC continue excavation and stripping of top Place material at stockpile area. Grading of stockpiled topsoil as required.	soil along the F			e track north	of track cr	ossing.				
DCC continue excavation and stripping of top Place material at stockpile area.	soil along the F			e track north	of track cr	ossing.				
DCC continue excavation and stripping of top Place material at stockpile area. Grading of stockpiled topsoil as required.	soil along the F			e track north	of track cr	ossing.				
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DCC continue excavation and stripping of top Place material at stockpile area. Grading of stockpiled topsoil as required.	soil along the F			e track north	of track cr	ossing.				
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SKETCH OR PHOTOS OF DAY'S ACTIVITIES :



North Crossing Area - Continue striping and grading along ROW



North Crossing Area - Continue striping and grading along ROW



North Crossing Area - Grading of stockpiled topsoil from stripping area.



North Crossing Area - Installation of silt fencing south of north crossing



East Track Diversion - Excavation of west side ditch cut to fill



East Track Diversion - Excavation of west side ditch cut to fill



East Track Diversion - Backfill and compact 2400mm concrete storm sewer



East Track Diversion - Backfill and compact 2400mm concrete storm sewer



Trib A Cast-in-Place - Installation of steel rebar for west box culvert section



Trib A Cast-in-Place - Installation of interior forms for middle box culvert section



Pond 2 Area Enhancement - Installation of material for Riffle



Pond 2 Area Enhancement - Installation of material for Riffle

MATERIALS OR EQUIPMENT DELIVERED TO SITE :	QUANTITY	LOCATION

AECOM

			PROGR	ESS RE	PORT					No.:	238
PROJECT DESCRIPTION :	Milton Logistic									DAY :	Monday
	Mile 38.72 to	40.98 Haltor	ı Sub.			_					
AECOM PROJECT NO. :	60579933					_				DATE :	5-Dec-22
CLIENT'S CONTRACT NO. :	BW314-38.7					_				EATHER :	Partly Cloudy
CONTRACTOR :	Dufferin Constr	uction Comp	any			_			TEMPE	RATURE:	4°C
PREPARED BY :	PAUL SCHIPA	NI									
	PRINT NAM	E		-	SIGNATURE						,
LABOUR		<u> </u>				ACTI					/
CLASSIFICATION "INCLUDING OPERATORS"	NUMBED	How	Su liad Diversion	Sever Indian Matting Teek	^{9 Installation}	Pond 2main	Silt Fenns	¹ ^{Trib} A Box Cutto	, mp aco	Nonth Gam	^{TOTAL} HOURS
CONTRACTOR:		Í – – – – – – – – – – – – – – – – – – –	/	1	í –		í – – –	(í –	<u>í í</u>	,
Project Manager			Í	í –							0
Project Coordinator	1	10									10
Site Superintendent	1	10									10
Forman	4	10	2					1		1	40
Operator	10	10	6				1	-		3	100
Laborers	9	10	3			1	3	2		5 1	90
Grademan	1	10	1			1	1	<u> </u>		-	10
	- <u>+</u>	10	+ <u>+</u>			1	<u> </u>				0
Surveyor											
											0
Sub Contractor:			1	L		1			I		U
Sub-Contractor:			1			1	1	1			0
Super	-	10									0
Foremen	1	10				1					10
Operator	2	10				2					20
Laborers	2	10				2		-			20
Iron Worker	3	8						3			24
Technicians	1	10	1								10
	-										0
CN Flagman:	2	10	1							1	20
CN Signals:											0
											0
Environmental:	-	I	1			1			r –	, i	
Stantec Environmental Monitor	1										0
Stantec Technicians	-										0
Archaeological Monitors	1	10									10
Indigenous Monitors	1	10									10
GEMS	1	10									10
TOTAL LABOUR	38		14	0	0	5	5	3	0	6	364
EQUIPMENT											
TYPE, MODEL, CAPACITY											
CONTRACTOR: Dufferin Construction			-				-				
Excavator - Volvo ECR 355	1	10	ļ	L						1	10
Excavator - Hitachi 470	1	10	1	L							10
Excavator - John Deere 470	1	10	1								10
Rock Truck - Volvo A30G	3	10	1							2	30
Dozer - John Deere 550	1										0
Dozer - Deere Nortrax 750k LT	2	10	1							1	20
Loader - CAT 950	1	10	1								10
Drum Roller - CATCS44B	1										0
Sheepsfoot Packer - CAT CP56B	1	10	1								10
Mini Excavator - Bobcat E80	1										0
Mini Excavator - CAT 80	1	10					1				10
RTV Shuttle	1	10					1				10
Kubota SV90 Skid Steer	1										0
Pick Up Truck	8	10	3				1	2		2	80
Diesel Plate Tamper											0
Water pump / hose											0
Water Truck	1										0
RT Backhoe - John Deere 710	1		1			1					0
	1		1			1					0
SUB-CONTRACTOR:											0
Work Truck											0
CAT 320 Excavator	2	10				2					20

A T A A A F A A A A A A A A A A A A A A					1				-
CAT 330 Excavator	1	10		-					0
John Deer Tractor / Trailer	1	10		1					10
Hi Rail Vac Truck									0
Tanker Truck									0
									0
									0
									0
									0
									0
TOTAL EQUIPMENT	29								230
FLAGMAN'S NAME :	CN Flagman								
TYPE OF PROTECTION :	R42								
MILE, TIME, ETC. :	Halton Sub., N	lile 39.6 to Mi	e 42.9						
SITE SAFETY ISSUES:				names, infractio	on & actions t	aken)			
EMPLOYEE NAME	CONT.	SUB.	INFRACTION				AC	TIONS TAK	EN
THIRD PARTY ISSUES:			(include	names, discuss	ions actions t	aken)			
NAME		D	ISCUSSIONS				AC	TIONS TAK	EN
NOTES OF TODAY'S ACTIVITIES & PROGRESS :				(include any	delays or inst	ructions to co	ntractors)		
WORKS:									
Indian Creek Area									
No work at this location.									
Pond 2 Area - Indian Creek Enhancement									
Cambridge Landscaping continued constructi	ing wooden de	bris toe pro	otection along Indian Creek	nhancemen	t areas tod	ay.			
			Ť						
East Track Diversion									
	diversion west	side ditch	line as per design						
DCC continue excavation of material for track									
DCC continue excavation of material for track Place, grade and compact excavated cut/fill m	naterial to track	diversion	areas.	ava din a					
DCC continue excavation of material for track Place, grade and compact excavated cut/fill m	naterial to track	diversion	areas.	grading.					
DCC continue excavation of material for track Place, grade and compact excavated cut/fill m DCC QC technician on-site to conduct compa	naterial to track action testing o	diversion	areas. aterial for track bed diversion						
DCC continue excavation of material for track Place, grade and compact excavated cut/fill m DCC QC technician on-site to conduct compa	naterial to track action testing o	diversion	areas. aterial for track bed diversion		ks.				
East Track Diversion DCC continue excavation of material for track Place, grade and compact excavated cut/fill m DCC QC technician on-site to conduct compa DCC transporting large pea gravel bags to Tri	naterial to track action testing o b A box culver	diversion n cut/fill m t track cros	areas. aterial for track bed diversion using location for proposed co	offerdam wor					
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DCC continue excavation of material for track Place, grade and compact excavated cut/fill m DCC QC technician on-site to conduct compa DCC transporting large pea gravel bags to Tri Thurber (QA) on site to check sub grade track North Crossing Area / Sun Canadian Acces Continue excavation and stripping of topsoil a Place material at stockpile area. Trib A Box Culvert - Cast-In-Place Works DCC continue works on Cast-in-Place section Installation of interior wall forms and bracing.	aterial to track inction testing of b A box culver a diversion pro- ss Road long the ROW of box culvert	c diversion n cut/fill m t track cros gress secti east side for Tributa	areas. aterial for track bed diversion sing location for proposed of on along DCC work area. No of the mainline track heading of the mainline track heading	offerdam wor	tified.	n track cro	ssing.		
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DCC continue excavation of material for track Place, grade and compact excavated cut/fill m DCC QC technician on-site to conduct compa DCC transporting large pea gravel bags to Tri Thurber (QA) on site to check sub grade track North Crossing Area / Sun Canadian Acces Continue excavation and stripping of topsoil a Place material at stockpile area. Trib A Box Culvert - Cast-In-Place Works DCC continue works on Cast-in-Place section Installation of interior wall forms and bracing. Harris rebar continued reinforcement placeme	aterial to track inction testing of b A box culver a diversion pro- ss Road long the ROW of box culvert	c diversion n cut/fill m t track cros gress secti east side for Tributa	areas. aterial for track bed diversion sing location for proposed of on along DCC work area. No of the mainline track heading of the mainline track heading	offerdam wor	tified.	in track cro	ssing.		
DCC continue excavation of material for track Place, grade and compact excavated cut/fill m DCC QC technician on-site to conduct compa DCC transporting large pea gravel bags to Tri Thurber (QA) on site to check sub grade track North Crossing Area / Sun Canadian Acces Continue excavation and stripping of topsoil a Place material at stockpile area. Trib A Box Culvert - Cast-In-Place Works DCC continue works on Cast-in-Place section Installation of interior wall forms and bracing. Harris rebar continued reinforcement placeme DTHER:	aterial to track inction testing of b A box culver a diversion pro- ss Road long the ROW of box culvert ent at Culvert 2	t track cros gress secti east side for Tributa B cast in p	areas. aterial for track bed diversion sing location for proposed of on along DCC work area. No of the mainline track heading of the mainline track heading	offerdam wor	tified.	In track cro	ssing.		
DCC continue excavation of material for track Place, grade and compact excavated cut/fill m DCC QC technician on-site to conduct compa DCC transporting large pea gravel bags to Tri Thurber (QA) on site to check sub grade track North Crossing Area / Sun Canadian Acces Continue excavation and stripping of topsoil a Place material at stockpile area. Trib A Box Culvert - Cast-In-Place Works DCC continue works on Cast-in-Place section Installation of interior wall forms and bracing.	aterial to track inction testing of b A box culver a diversion pro- ss Road long the ROW of box culvert ent at Culvert 2	t track cros gress secti east side for Tributa B cast in p	areas. aterial for track bed diversion sing location for proposed of on along DCC work area. No of the mainline track heading of the mainline track heading	offerdam wor	tified.	in track cro	ssing.		



East Track Diversion - Grading/shaping ditches heading North to Trib. A

East Track Diversion - Grading/shaping ditches facing South to Culvert 3



Indian Creek - Wooden Toe Protection construction along enhancement areas



Indian Creek - Wooden Toe Protection construction along enhancement areas



Box Culvert 2B - Reinforcement placement at cast in place section



Box Culvert 2B - Reinforcement placement at cast in place section



Track Realignment - Stripped topsoil for track realignment South of Britannia bridge

Track Realignment - Stripping topsoil for track realignment South of Sun Canadian track crossing

MATERIALS OR EQUIPMENT DELIVERED TO SITE :	QUANTITY	LOCATION

AECOM

			PROGR	ESS RE	PORT					No.:	239
PROJECT DESCRIPTION :	Milton Logisti	cs Hub – Pha	se 1: Gradir			-				DAY :	Tuesday
	Mile 38.72 to 60579933	40.98 Haltor	n Sub.			-					6-Dec-22
AECOM PROJECT NO. : CLIENT'S CONTRACT NO. :	BW314-38.7	72-1 1				-			w	DATE : EATHER :	Overcast
CONTRACTOR :	Dufferin Const		anv			-				RATURE:	5°C
PREPARED BY :	PAUL SCHIPA					-					
PREPARED DI :				-							
LABOUR	PRINT NAM	/			SIGNATURE	ACTI					/
	/	·	/.	5	28		*		÷ /		* .
CLASSIFICATION "INCLUDING OPERATORS"	NUMBED	Hour	East Track Divers	Sever Indian Matting Teek	J mstallati	Pond 2main	Silt Fenric	^{Trib} A Box Cuil.	and the second	Nonth Game	^{TOTAL} HOLRS
CONTRACTOR:	-(Í	7	7	((ſ	ſ	í –	()	/
Project Manager			1	Í							0
Project Coordinator	1	10									10
Site Superintendent	1	10									10
Forman	3	10	1					1		1	30
Operator	6	10	3							3	60
Laborers	4	10						3		1	40
Grademan	1	10	1								10
Surveyor											0
											0
Sub-Contractor:			1								0
Super											0
Foremen	1	10				1					10
Operator	2	10				2					20
Laborers	2	10				2					20
Iron Worker	3	6						3			18
Technicians	1	10	1								10
											0
CN Flagman:	2	10	1							1	20
CN Signals:											0
											0
Environmental:					1						
Stantec Environmental Monitor	1										0
Stantec Technicians	<u> </u>										0
Archaeological Monitors	1	10									10
Indigenous Monitors	1	10									10
GEMS TOTAL LABOUR	<u>1</u> 28	10	7	0	0	5	0	4	0	6	10 258
EQUIPMENT	28		/	0	0	5	0	4	0	0	258
TYPE, MODEL, CAPACITY	1										
CONTRACTOR: Dufferin Construction											
Excavator - Volvo ECR 355	1	10	1	1		1	[I	1	1	10
Excavator - Hitachi 470	1		1	1				1			0
Excavator - John Deere 470	1	10	1								10
Rock Truck - Volvo A30G	3	10	1	1				1	1	2	30
Dozer - John Deere 550	1										0
Dozer - Deere Nortrax 750k LT	2	10	1							1	20
Loader - CAT 950	1		1								0
Drum Roller - CATCS44B	1										0
Sheepsfoot Packer - CAT CP56B	1		1								0
Mini Excavator - Bobcat E80	1										0
Mini Excavator - CAT 80	1	10					1				10
RTV Shuttle	1	10					1				10
Kubota SV90 Skid Steer	1										0
Pick Up Truck	6	10	1				1	2		2	60
Diesel Plate Tamper											0
Water pump / hose			_			L		L	L		0
Water Truck	1		<u> </u>	L		L		L	L		0
RT Backhoe - John Deere 710	1										0
											0
SUB-CONTRACTOR:											0
Work Truck											0
CAT 320 Excavator	2	10		1		2			1		20

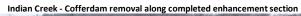
CAT 330 Excavator											0
John Deer Tractor / Trailer	1	10				1					10
Hi Rail Vac Truck	-					-					0
Tanker Truck											0
											0
											_
											0
											0
											0
											0
TOTAL EQUIPMENT	27										180
FLAGMAN'S NAME :	CN Flagman										
TYPE OF PROTECTION :	R42										
MILE, TIME, ETC. :	Halton Sub., M	ile 39.6 to Mil	e 42.9								
SITE SAFETY ISSUES:					(include nam	nes infractio	n & actions t	aken)			
EMPLOYEE NAME	CONT.	SUB.		INFRACTIO					۷۵.	TIONS TAP	(EN
	0011.	300.		INTRACTO							
THIRD PARTY ISSUES:					(include nam	nes, discussi	ons actions t	aken)			
NAME		D	ISCUSSION	IS					AC	TIONS TAP	KEN
NOTES OF TODAY'S ACTIVITIES & PROGRESS :						(include anv i	delavs or ins	tructions to co	ntractors)		
						(nonace any s	aciays of this		nadotors)		
WORKS:											
Pond 2 Area - Indian Creek Enhancement											
Cambridge Landscaping completed constructing	-				tion along In	dian Cree	k enhance	ement area			
Removing cofferdam along completed creek ent	nancement s	ection for r	elocation								
East Track Diversion											
DCC began shaping and grading West ditch ald	ong track rea	lignment N	Iorth of CL	livert 3 too	lay.						
DCC continued transporting large pea gravel ba	gs to East si	de of Sout	hern trac	k crossing	for Trib A bo	ox culvert	track cros	sing coffere	am work	s.	
	Deed										
North Crossing Area / Sun Canadian Access	Road										
Continue excavation and stripping of topsoil alor		east side of	of the mai	inline track	heading Sc	outh of Su	n Canadia	an track cro	ssing to <i>i</i>	Ash signa	als.
Continue place top soil material at stockpile area	a										
Trib A Box Culvert - Cast-In-Place Works											
DCC continue works on Cast-in-Place section of	hov outvort	for Tributo	a (A								
	DOX CUIVEIT	ior moular	уA.								
Installation of interior wall forms and bracing.											
Harris rebar continued reinforcement placement	at Culvert 2	B and 2A c	cast in pla	ace section	(walls and t	op).					
OTHER:											

CN Flagman on site today at South and North track crossings.

SKETCH OR PHOTOS OF DAY'S ACTIVITIES :



East Track Diversion - Grading/shaping West ditch North of Culvert 3





Indian Creek - Completed Wooden Toe Protection enhancement section



Box Culvert 2A - Reinforcement placement at cast in place section



Box Culvert 2A - Interior form work installation for cast in place section



Track Realignment - Stripping topsoil for track realignment South of Sun Canadian track crossing

MATERIALS OR EQUIPMENT DELIVERED TO SITE :	QUANTITY	LOCATION

AECOM

		DAILY	PROGR	ESS RE	PORT					No.:	240
PROJECT DESCRIPTION :	Milton Logisti	cs Hub – Pha	se 1: Gradir			_				DAY :	Wednesday
	Mile 38.72 to 60579933	40.98 Haltor	n Sub.			_					7-Dec-22
	BW314-38.7	72 1 1				_				DATE : EATHER :	Cloudy
CLIENT'S CONTRACT NO.: CONTRACTOR:	Dufferin Const		anv			_				RATURE:	7°C
			uny			_					
PREPARED BY :				-							
LABOUR	PRINT NAM	7			SIGNATUR	ACTI					/
	/	·	1.	5.	25		5		÷ /	/	* .
CLASSIFICATION "INCLUDING OPERATORS"	NUMBED	Hour	East Track Divers	Serves Indian Creek Mattin Creek	y mstallati	Pond 21nder	Silt Fenre	⁷ rib _A Box C _M .	ese ese 19-10-10-1	Nonth Game	^{TOTAL} HOURS
CONTRACTOR:		(/	1	(((í –	()	/
Project Manager			Í	Í							0
Project Coordinator	1	10									10
Site Superintendent	1	10									10
Forman	4	10	1			1		1		1	40
Operator	8	10	3			2				3	80
Laborers	7	10				3		3		1	70
Grademan	1	10	1								10
Surveyor											0
											0
Sub-Contractor:											0
Super											0
Foremen	1	10				1					10
Operator	2	10				1					20
Laborers	2	10				2					20
Iron Worker	3	8						3			24
Technicians	1	8	1								8
											0
CN Flagman:	2	10	0.5							1.5	20
CN Signals:											0
											0
Environmental:		1	1	1	1			1			-
Stantec Environmental Monitor	1										0
Stantec Technicians	1	10									0
Archaeological Monitors	1	10 10									10
Indigenous Monitors GEMS	1	10									10 10
TOTAL LABOUR	34	10	6.5	0	0	10	0	4	0	6.5	322
EQUIPMENT	54		0.5	0	0	10	0	4	0	0.5	522
TYPE, MODEL, CAPACITY											
CONTRACTOR: Dufferin Construction											
Excavator - Volvo ECR 355	1	10								1	10
Excavator - Hitachi 470	1		1			1	1		1		0
Excavator - John Deere 470	1	10	1								10
Rock Truck - Volvo A30G	3	10	1							2	30
Dozer - John Deere 550	1	10				1					10
Dozer - Deere Nortrax 750k LT	2	10	1							1	20
Loader - CAT 950	1	10				1					10
Drum Roller - CATCS44B	1										0
Sheepsfoot Packer - CAT CP56B	1	10	1								10
Mini Excavator - Bobcat E80	1										0
Mini Excavator - CAT 80	1	10									10
RTV Shuttle	1	10									10
Kubota SV90 Skid Steer	1										0
Pick Up Truck	6	10	1			1		2		2	60
Diesel Plate Tamper											0
Water pump / hose	<u> </u>										0
Water Truck	1										0
RT Backhoe - John Deere 710	1										0
											0
SUB-CONTRACTOR: Work Truck			+			+			<u> </u>		0
CAT 320 Excavator	2	4	1	-		1					8
CALI JEU EACOVOLUI	4			1		1 -	1	1	1	1	U

		1							1	-	
CAT 330 Excavator											0
John Deer Tractor / Trailer	1	10				1					10
Hi Rail Vac Truck		L						L	1	1	0
Tanker Truck											0
											0
											0
											0
											0
											0
TOTAL EQUIPMENT	27										198
	•						•		•	•	
FLAGMAN'S NAME :	CN Flagman										
TYPE OF PROTECTION :	R42										
MILE, TIME, ETC. :	Halton Sub., M	ile 39.6 to Mil	e 42.9								
	,		-								
SITE SAFETY ISSUES:					(include nan	nes, infractio	n & actions t	aken)			
EMPLOYEE NAME	CONT.	SUB.		INFRACTI				Í	A	CTIONS TAK	(EN
THIRD PARTY ISSUES:					(include a		ana ac#	akan)			
NAME		-	00110010	0	(include han	nes, discussi	uns actions	lakeri)	-		
		D	ISCUSSION	5					A	CTIONS TAP	NEN .
NOTES OF TODAY'S ACTIVITIES & PROGRESS :						(include any	delays or ins	tructions to c	ontractors)		
WORKS:											
Pond 2 Area - Indian Creek Enhancement											
Cambridge Landscaping completed removing	cofferdam alo	ng comple	ted creek	enhancer	ment section	for reloca	tion.				
Cambridge cleaning up work area for next cre											
DCC relocating timber access matting for ne				d cofferds	m installatio	n					
			it area arr								
	tch along track	realignme	nt North c	of culvert 3	3.						
DCC continued shaping and grading West di					3.						
DCC continued shaping and grading West di DCC continued grading and compacting trac					3.						
DCC continued shaping and grading West di DCC continued grading and compacting trac					3.						
DCC continued shaping and grading West di DCC continued grading and compacting trac					3.						
DCC continued shaping and grading West di DCC continued grading and compacting trac					3.						
DCC continued shaping and grading West di DCC continued grading and compacting trac					3.						
DCC continued shaping and grading West di DCC continued grading and compacting trac					3.						
East Track Diversion DCC continued shaping and grading West di DCC continued grading and compacting trac DCC QC on site checking compaction.					3.						
DCC continued shaping and grading West di DCC continued grading and compacting trac					3.						
DCC continued shaping and grading West di DCC continued grading and compacting trac DCC QC on site checking compaction.	k bed from culv				3.						
DCC continued shaping and grading West di DCC continued grading and compacting trac DCC QC on site checking compaction.	k bed from culv	rert 3 North	to STN. (64+500.							
DCC continued shaping and grading West di DCC continued grading and compacting trac DCC QC on site checking compaction. North Crossing Area / Sun Canadian Acce Continue excavation and stripping of topsoil a	k bed from culv ss Road along the ROW	rert 3 North	to STN. (64+500.		buth of Su	n Canadia	an track cr	ossing to	Ash signa	als.
DCC continued shaping and grading West di DCC continued grading and compacting trac DCC QC on site checking compaction. North Crossing Area / Sun Canadian Acce Continue excavation and stripping of topsoil a	k bed from culv ss Road along the ROW	rert 3 North	to STN. (64+500.		buth of Su	n Canadia	an track cr	ossing to	Ash signa	als.
DCC continued shaping and grading West di DCC continued grading and compacting trac DCC QC on site checking compaction.	k bed from culv ss Road along the ROW	rert 3 North	to STN. (64+500.		puth of Su	n Canadia	an track cr	ossing to	Ash signa	als.
DCC continued shaping and grading West di DCC continued grading and compacting trac DCC QC on site checking compaction.	k bed from culv ss Road along the ROW	rert 3 North	to STN. (64+500.		buth of Su	n Canadia	an track cr	ossing to	Ash signa	als.
DCC continued shaping and grading West di DCC continued grading and compacting trac DCC QC on site checking compaction.	k bed from culv ss Road along the ROW	rert 3 North	to STN. (64+500.		buth of Su	n Canadia	an track cr	ossing to	Ash signa	als.
DCC continued shaping and grading West di DCC continued grading and compacting trac DCC QC on site checking compaction.	k bed from culv ss Road along the ROW	rert 3 North	to STN. (64+500.		buth of Su	n Canadia	an track cr	ossing to	Ash signa	als.
DCC continued shaping and grading West di DCC continued grading and compacting trac	k bed from culv ss Road along the ROW	rert 3 North	to STN. (64+500.		puth of Su	n Canadia	an track cr	ossing to	Ash signa	als.
DCC continued shaping and grading West di DCC continued grading and compacting trac DCC QC on site checking compaction.	k bed from culv ss Road along the ROW	rert 3 North	to STN. (64+500.		buth of Su	n Canadia	an track cr	ossing to	Ash signa	als.
DCC continued shaping and grading West di DCC continued grading and compacting trac DCC QC on site checking compaction. North Crossing Area / Sun Canadian Acce Continue excavation and stripping of topsoil a Continue place top soil material at stockpile a Trib A Box Culvert - Cast-In-Place Works	k bed from culv	east side (to STN. (64+500.		buth of Su	n Canadia	an track cr	ossing to	Ash signa	als.
DCC continued shaping and grading West di DCC continued grading and compacting trac DCC QC on site checking compaction. North Crossing Area / Sun Canadian Acce Continue excavation and stripping of topsoil a Continue place top soil material at stockpile a Trib A Box Culvert - Cast-In-Place Works	k bed from culv	east side (to STN. (64+500.		buth of Su	n Canadia	an track cr	ossing to	Ash signa	als.
DCC continued shaping and grading West di DCC continued grading and compacting trac DCC QC on site checking compaction. North Crossing Area / Sun Canadian Acce Continue excavation and stripping of topsoil a Continue place top soil material at stockpile a Trib A Box Culvert - Cast-In-Place Works DCC installing exterior forms for cast in place	ss Road along the ROW rea. box culvert 2B	east side of section.	of the mai	nline trac	k heading Sc	buth of Su	n Canadia	an track cr	ossing to	Ash sign	als.
DCC continued shaping and grading West di DCC continued grading and compacting trac DCC QC on site checking compaction. North Crossing Area / Sun Canadian Acce Continue excavation and stripping of topsoil a Continue place top soil material at stockpile a Trib A Box Culvert - Cast-In-Place Works DCC installing exterior forms for cast in place	ss Road along the ROW rea. box culvert 2B	east side of section.	of the mai	nline trac	k heading Sc	buth of Su	n Canadia	an track cr	ossing to	Ash signa	als.
DCC continued shaping and grading West di DCC continued grading and compacting trac DCC QC on site checking compaction. North Crossing Area / Sun Canadian Acce Continue excavation and stripping of topsoil a Continue place top soil material at stockpile a Trib A Box Culvert - Cast-In-Place Works DCC installing exterior forms for cast in place	ss Road along the ROW rea. box culvert 2B	east side of section.	of the mai	nline trac	k heading Sc	puth of Su	n Canadia	an track cr	ossing to	Ash signa	als.
DCC continued shaping and grading West di DCC continued grading and compacting trac DCC QC on site checking compaction. North Crossing Area / Sun Canadian Acce Continue excavation and stripping of topsoil a Continue place top soil material at stockpile a Trib A Box Culvert - Cast-In-Place Works DCC installing exterior forms for cast in place	ss Road along the ROW rea. box culvert 2B	east side of section.	of the mai	nline trac	k heading Sc	buth of Su	n Canadia	an track cr	ossing to	Ash signa	als.
DCC continued shaping and grading West di DCC continued grading and compacting trac DCC QC on site checking compaction. North Crossing Area / Sun Canadian Acce Continue excavation and stripping of topsoil a Continue place top soil material at stockpile a Trib A Box Culvert - Cast-In-Place Works DCC installing exterior forms for cast in place	ss Road along the ROW rea. box culvert 2B	east side of section.	of the mai	nline trac	k heading Sc	buth of Su	n Canadia	an track cr	ossing to	Ash signa	als.
DCC continued shaping and grading West di DCC continued grading and compacting trac DCC QC on site checking compaction. North Crossing Area / Sun Canadian Acce Continue excavation and stripping of topsoil a Continue place top soil material at stockpile a Trib A Box Culvert - Cast-In-Place Works DCC installing exterior forms for cast in place	ss Road along the ROW rea. box culvert 2B	east side of section.	of the mai	nline trac	k heading Sc	buth of Su	n Canadia	an track cr	ossing to	Ash signa	als.
DCC continued shaping and grading West di DCC continued grading and compacting trac DCC QC on site checking compaction. North Crossing Area / Sun Canadian Acce Continue excavation and stripping of topsoil a Continue place top soil material at stockpile a Trib A Box Culvert - Cast-In-Place Works DCC installing exterior forms for cast in place	ss Road along the ROW rea. box culvert 2B	east side of section.	of the mai	nline trac	k heading Sc	buth of Su	n Canadia	an track cr	ossing to	Ash signa	als.
DCC continued shaping and grading West di DCC continued grading and compacting trac DCC QC on site checking compaction. North Crossing Area / Sun Canadian Acce Continue excavation and stripping of topsoil a Continue place top soil material at stockpile a Trib A Box Culvert - Cast-In-Place Works DCC installing exterior forms for cast in place	ss Road along the ROW rea. box culvert 2B	east side of section.	of the mai	nline trac	k heading Sc	buth of Su	n Canadia	an track cr	ossing to	Ash signa	als.
DCC continued shaping and grading West di DCC continued grading and compacting trac DCC QC on site checking compaction. North Crossing Area / Sun Canadian Acce Continue excavation and stripping of topsoil a Continue place top soil material at stockpile a Trib A Box Culvert - Cast-In-Place Works DCC installing exterior forms for cast in place	ss Road along the ROW rea. box culvert 2B	east side of section.	of the mai	nline trac	k heading Sc	puth of Su	n Canadia	an track cr	ossing to	Ash signa	als.
DCC continued shaping and grading West di DCC continued grading and compacting trac DCC QC on site checking compaction. North Crossing Area / Sun Canadian Acce Continue excavation and stripping of topsoil a Continue place top soil material at stockpile a Trib A Box Culvert - Cast-In-Place Works DCC installing exterior forms for cast in place	ss Road along the ROW rea. box culvert 2B	east side of section.	of the mai	nline trac	k heading Sc	buth of Su	n Canadia	an track cr	ossing to	Ash signa	als.
DCC continued shaping and grading West di DCC continued grading and compacting trac DCC QC on site checking compaction. North Crossing Area / Sun Canadian Acce Continue excavation and stripping of topsoil a Continue place top soil material at stockpile a Trib A Box Culvert - Cast-In-Place Works DCC installing exterior forms for cast in place	ss Road along the ROW rea. box culvert 2B	east side of section.	of the mai	nline trac	k heading Sc	buth of Su	n Canadia	an track cr	ossing to	Ash signa	als.
DCC continued shaping and grading West di DCC continued grading and compacting trac DCC QC on site checking compaction. North Crossing Area / Sun Canadian Acce Continue excavation and stripping of topsoil a Continue place top soil material at stockpile a Trib A Box Culvert - Cast-In-Place Works DCC installing exterior forms for cast in place Harris rebar installing reinforcement at last Cu	ss Road along the ROW rea. box culvert 2B	east side of section.	of the mai	nline trac	k heading Sc	buth of Su	n Canadia	an track cr	ossing to	Ash sign	als.
DCC continued shaping and grading West di DCC continued grading and compacting trac DCC QC on site checking compaction. North Crossing Area / Sun Canadian Acce Continue excavation and stripping of topsoil a Continue place top soil material at stockpile a Trib A Box Culvert - Cast-In-Place Works DCC installing exterior forms for cast in place Harris rebar installing reinforcement at last Cu	k bed from culv ss Road along the ROW rea. box culvert 2B ulvert 2A cast ir	east side of section.	of the mai	nline trac	k heading Sc	buth of Su	n Canadia	an track cr	ossing to	Ash signa	als.
DCC continued shaping and grading West di DCC continued grading and compacting trac DCC QC on site checking compaction. North Crossing Area / Sun Canadian Acce Continue excavation and stripping of topsoil a Continue place top soil material at stockpile a Trib A Box Culvert - Cast-In-Place Works DCC installing exterior forms for cast in place Harris rebar installing reinforcement at last Cu	k bed from culv ss Road along the ROW rea. box culvert 2B ulvert 2A cast ir	east side of section.	of the mai	nline trac	k heading Sc	buth of Su	n Canadia	an track cr	ossing to	Ash signa	als.
DCC continued shaping and grading West di DCC continued grading and compacting trac DCC QC on site checking compaction. North Crossing Area / Sun Canadian Acce Continue excavation and stripping of topsoil a Continue place top soil material at stockpile a Trib A Box Culvert - Cast-In-Place Works DCC installing exterior forms for cast in place	k bed from culv ss Road along the ROW rea. box culvert 2B ulvert 2A cast ir	east side of section.	of the mai	nline trac	k heading Sc	puth of Su	n Canadia	an track cr	ossing to	Ash signa	als.



East Track Diversion - Installed ESC at West ditch outlet North of Culvert 3

East Track Diversion - Grading/shaping West ditch North of Culvert 3



Indian Creek - Removed cofferdam at completed enhancement section



Indian Creek - Relocate matting for next cofferdam enhancement section



Box Culvert 2B - Exterior form work installation for cast in place section



Track Realignment - Stripping topsoil for track realignment heading South to Ash Signals

MATERIALS OR EQUIPMENT DELIVERED TO SITE :	QUANTITY	LOCATION

AECOM

			PROGR	ESS RE	PORT					No.:	241
PROJECT DESCRIPTION :	Milton Logistic					_				DAY :	Thursday
	Mile 38.72 to	40.98 Haltor	ı Sub.			_					
AECOM PROJECT NO. :	60579933					_				DATE :	8-Dec-22
CLIENT'S CONTRACT NO. :	BW314-38.7					-				EATHER :	Partly Cloudy
CONTRACTOR :	Dufferin Constr	uction Comp	any			-			TEMPE	RATURE:	5°C
PREPARED BY :	PAUL SCHIPA	NI									
LABOUR	PRINT NAM	E			SIGNATURE		// T.V				/
LABOUR		/	/	~ /	/		<u>* /</u>		. /	/	<u> </u>
CLASSIFICATION "INCLUDING OPERATORS"	WUMBED	, one	East Track Divers	Serves No. Son Indian Creek	9 Installation	Pond 2main	Silt Fence	¹ ^{Trib} A Box Cutton	eoeld.	Nonth Gam	^{TOTAL} HOLRS
CONTRACTOR:	-(/	/	1	í –		ſ	Í	ſ	í í	/
Project Manager			Í	Í							0
Project Coordinator	1	10									10
Site Superintendent	1	10									10
Forman	3	10	2					1			30
Operator	9	10	7					-		2	90
Laborers	6	10	3			1		3		~	60
Grademan	1	10	1			1		5			10
		10				-					0
Surveyor											0
Sub Contractor											0
Sub-Contractor:			1		1	1			1		
Super	-	40									0
Foremen	1	10				1					10
Operator	2	10				2					20
Laborers	2	10				2		-			20
Iron Worker	3	4						3			12
Technicians	1	8	1								8
	-										0
CN Flagman:	2	10	1.5							0.5	20
CN Signals:	_										0
											0
Environmental:			1	1		1	r		r –	, i	
Stantec Environmental Monitor	1										0
Stantec Technicians											0
Archaeological Monitors	1	10									10
Indigenous Monitors	1	10									10
GEMS	1	10									10
TOTAL LABOUR	33		15.5	0	0	5	0	4	0	2.5	300
EQUIPMENT											
TYPE, MODEL, CAPACITY											
CONTRACTOR: Dufferin Construction											
Excavator - Volvo ECR 355	1	5								1	5
Excavator - Hitachi 470	1	10	1								10
Excavator - John Deere 470	1	10	1								10
Rock Truck - Volvo A30G	3	10	3								30
Dozer - John Deere 550	1	10	1								10
Dozer - Deere Nortrax 750k LT	1	10								1	10
Loader - CAT 950	1	10	1								10
Drum Roller - CATCS44B	1										0
Sheepsfoot Packer - CAT CP56B	1	5	1								5
Mini Excavator - Bobcat E80	1										0
Mini Excavator - CAT 80	1	10	ļ	-							10
RTV Shuttle	1	10	ļ				L				10
Kubota SV90 Skid Steer	1					<u> </u>	L		L		0
Pick Up Truck	6	10	3			<u> </u>	L	2	L	1	60
Diesel Plate Tamper						<u> </u>	L		L		0
Water pump / hose											0
Water Truck	1										0
RT Backhoe - John Deere 710	1										0
											0
SUB-CONTRACTOR:											0
Work Truck											0
CAT 320 Excavator	1	8				1					8

	1		1		1					· · · ·	
CAT 330 Excavator						<u> </u>					0
John Deer Tractor / Trailer	1	10				1					10
Hi Rail Vac Truck	_										0
Fanker Truck											0
	-										0
	-										0
	-										0
	-										0
											0
TOTAL EQUIPMENT	25										188
FLAGMAN'S NAME :	CN Flagman										
TYPE OF PROTECTION :	R42										
MILE, TIME, ETC. :	Halton Sub., N	1ile 39.6 to Mil	o 12 0								
,,	I laiton oub., iv	THE 33.0 to 101	6 42.3								
SITE SAFETY ISSUES:					(include na	mes, infractio	n & actions	aken)			
EMPLOYEE NAME	CONT.	SUB.		INFRACT	-	1			AC	TIONS TAP	EN
					-						
		1	1								
THIRD PARTY ISSUES:					(include na	mes, discussi	ons actions	taken)			
NAME		D	ISCUSSION	NS					AC	TIONS TAP	EN
-											
						1	1				
						1	1				
						1	1				
NOTES OF TODAY'S ACTIVITIES & PROGRESS :						(include any	delays or ins	tructions to c	ontractors)		
WORKS:											
Pond 2 Area - Indian Creek Enhancement											
DCC completed cofferdam installation at next c	reek enhanc	ement work	area.								
Cambridge Landscaping setting up for next cre				riparian w	etland pond						
				npanan n	ouana pona	•					
Ta at Tua al- Disconsian											
East Track Diversion			6 T.:. A								
DCC cutting to stockpile native material for prop	Dosed track b	bed South d	DT I LID. A.								
200 everyted and installed the 22m langth a	f 0.00 mana alia	aan teaste				Ctm CE 12	05 (la a ata	م المعام م	autor a		
DCC excavated and installed the 33m length o				ent cuiver	crossing at	511. 00+3	25 (locale		cuivert 3) per desig	jn.
DCC bedding and compacting culvert with grar	1. B type ∠ m	aterial in lif	ts.								
DCC QC on site checking compaction.											
	<u> </u>										
North Crossing Area / Sun Canadian Acces											
Continue excavation and stripping of topsoil alo		east side	of the ma	inline trac	k heading S	outh to As	sh signals				
Continue place top soil material at stockpile are	ea.										
Grade/shape topsoil soil stockpile today.											
rib A Box Culvert - Cast-In-Place Works											
DCC installing exterior forms for cast in place b	ox culvert 2A	sections.									
larris rebar completed installing reinforcement	at last Culve	rt 2A cast i	n place s	ection (wa	alls and top).						
DTHER:											
Z T T T M T T T T T T T T T T T T T T T											
2 CN Flagman on site today											
2 CN Flagman on site today.											



East Track Diversion - 900mm csp culvert crossing install at Stn. 65+325

East Track Diversion - Cut to stockpile track profile South of Trib. A



East Track Diversion - Cut to stockpile track profile South of Trib. A

Indian Creek - Installed cofferdam for next enhancement section



Box Culvert 2B - Installed exterior forms for cast in place section



Track Realignment - Stripping topsoil for track realignment heading South to Ash Signals

MATERIALS OR EQUIPMENT DELIVERED TO SITE :	QUANTITY	LOCATION

AECOM

		DAILY	PROGR	ESS RE	PORT					No.:	242
PROJECT DESCRIPTION :	Milton Logisti Mile 38.72 to	cs Hub – Pha	ise 1: Gradii			_				DAY :	Friday
AFCOM BRO JECT NO 1	60579933	40.98 Haltor	1 SUD.			-				DATE :	9-Dec-22
AECOM PROJECT NO. : CLIENT'S CONTRACT NO. :	BW314-38.	72-1 1				-			w	EATHER :	Cloudy
CONTRACTOR :	Dufferin Const		anv			-				RATURE:	0°C
	-		uny			-				-	
PREPARED BY :				_		-					
LABOUR	PRINT NAM	7			SIGNATURI	ACTI					/
	/	·		.8.	25	/	5 /		<u>;</u> /		* /
CLASSIFICATION "INCLUDING OPERATORS"	NUMBER	Hour	Sach Divers	Sewers Maria	in matalletic	Pond 2mains	Sill Fenre	⁷ rib _A Box C _W .	1990 1990 1990	Nonth Gagin	^{TOTAL} HOURS
CONTRACTOR:	((/	1	Í		((í –	() (
Project Manager			1	1							0
Project Coordinator	1	10									10
Site Superintendent	1	10									10
Forman	3	10	2					1			30
Operator	7	10	6	1	1	1	1	1	1	1	70
Laborers	6	10	3					3			60
Grademan	1	10	1	1		1	1	-			10
Surveyor	+ -		+ -	1		1	1				0
											0
Sub-Contractor:											0
Super	1		1			1					0
Foremen	1	10				1					10
Operator	2	10				2					20
Laborers	2	10				2					20
Iron Worker											0
Technicians	1	10	1								10
											0
CN Flagman:	2	10	1							1	20
CN Signals:											0
											0
Environmental:			•			•					
Stantec Environmental Monitor	1										0
Stantec Technicians											0
Archaeological Monitors	1	10									10
Indigenous Monitors	1	10									10
GEMS	1	10									10
TOTAL LABOUR	28		14	0	0	5	0	4	0	2	270
EQUIPMENT											
TYPE, MODEL, CAPACITY											
CONTRACTOR: Dufferin Construction											
Excavator - Volvo ECR 355	1										0
Excavator - Hitachi 470	1	10	1								10
Excavator - John Deere 470	1	10	1								10
Rock Truck - Volvo A30G	3	10	3								30
Dozer - John Deere 550	1	10	1								10
Dozer - Deere Nortrax 750k LT	1			1							0
Loader - CAT 950	2	10	1	1						1	20
Drum Roller - CATCS44B	1			1							0
Sheepsfoot Packer - CAT CP56B	1	5	1								5
Mini Excavator - Bobcat E80	1										0
Mini Excavator - CAT 80	1	10									10
RTV Shuttle	1	10									10
Kubota SV90 Skid Steer	1										0
Pick Up Truck	5	10	3					2			50
Diesel Plate Tamper			1	1		1		l			0
Water pump / hose			1	1				l			0
Water Truck	1		1	1		1		l			0
RT Backhoe - John Deere 710	1	1	1	1		1	1				0
		1	1	1		1	1				0
SUB-CONTRACTOR:		1	1	1	l	1	İ	İ	l		0
Work Truck							1				0
CAT 320 Excavator	1	10				1					10

AT 330 Excavator ohn Deer Tractor / Trailer Ii Rail Vac Truck fanker Truck					1	1				
li Rail Vac Truck										0
	1	10			1					10
anker Truck										0
										0
										0
										0
										0
										0
										0
TOTAL EQUIPMENT	25									175
FLAGMAN'S NAME :	CN Flagman									
TYPE OF PROTECTION :	R42									
MILE, TIME, ETC. :	Halton Sub., M	lile 39.6 to Mil	e 42.9							
SITE SAFETY ISSUES:				(include non	naa infraatia	n 9. aatiana t	l(en)			
EMPLOYEE NAME	CONT.	SUB.	INFRACT		nes, infractio	n & actions t	aken)	40	IONS TAKE	:N
	CONT.	308.	INFRACT					AC	IONS TAKE	
THIRD PARTY ISSUES:				(include nan	nes, discussi	ons actions t	aken)			
NAME	<u> </u>	D	ISCUSSIONS	(Include har			akenj	۸۵.	IONS TAKE	N
	<u> </u>		1000001010						IONO TARE	
NOTES OF TODAY'S ACTIVITIES & PROGRESS :					(include any (delave or ine	ructions to co	ontractore)		
VORKS:					(include any (uelays of ins		mactors		
Pond 2 Area - Indian Creek Enhancement										
Cambridge Landscaping began excavation fo	r wooden toe d	iebris enna	incement section to	bday.						
East Track Diversion										
DCC continued cutting to stockpile native ma	terial for propos	sed track b	ed South of Trib. A	۸.						
DCC shaping Eastern track slope South of Tr										
DCC completed backfilling and compacting ir	stalled 900mn	n dia csp c	ulvert crossing at \$	Stn 65+325	with gran	B type 2	naterial in	lifts		
DCC QC on site checking compaction.			anon or or or or or or or or or or or or or	00 020	mar gram	2.9902.				
too do on one chocking compaction:										
loth Crossing Aroa / Sup Canadian Aroa	ce Pood									
North Crossing Area / Sun Canadian Acce	ss Road									
lo Grading Activity today.										
lo Grading Activity today.										
lo Grading Activity today.										
lo Grading Activity today.										
lo Grading Activity today.										
lo Grading Activity today. DCC staging track sewer material South of Br										
lo Grading Activity today. ICC staging track sewer material South of Br Trib A Box Culvert - Cast-In-Place Works	ritannia bridge									
lo Grading Activity today. ICC staging track sewer material South of Br Trib A Box Culvert - Cast-In-Place Works	ritannia bridge	culvert se	ctions in preparatic	on of concrete	e pour this	Monday,	Dec. 12, 2	022.		
lo Grading Activity today. ICC staging track sewer material South of Br Trib A Box Culvert - Cast-In-Place Works	ritannia bridge	< culvert se	ctions in preparatic	on of concrete	e pour this	Monday,	Dec. 12, 2	022.		
lo Grading Activity today. ICC staging track sewer material South of Br Trib A Box Culvert - Cast-In-Place Works	ritannia bridge	< culvert se	ctions in preparatic	on of concrete	e pour this	Monday,	Dec. 12, 2	022.		
lo Grading Activity today.	ritannia bridge	< culvert se	ctions in preparatic	on of concrete	e pour this	Monday,	Dec. 12, 2	022.		
lo Grading Activity today. DCC staging track sewer material South of Br DCC staging track sewer material South of Br DCC staging track sewer material South of Br DCC staging track sewer material South of Br	ritannia bridge	< culvert se	ctions in preparatic	on of concrete	e pour this	Monday,	Dec. 12, 2	022.		
lo Grading Activity today. DCC staging track sewer material South of Br DCC staging track sewer material South of Br DCC staging track sewer material South of Br DCC staging track sewer material South of Br	ritannia bridge	x culvert se	ctions in preparatic	on of concrete	e pour this	Monday,	Dec. 12, 2	022.		
lo Grading Activity today. DCC staging track sewer material South of Br DCC staging track sewer material South of Br DCC staging track sewer material South of Br DCC staging track sewer material South of Br	ritannia bridge	< culvert se	ctions in preparatic	on of concrete	e pour this	Monday,	Dec. 12, 2	022.		
lo Grading Activity today. DCC staging track sewer material South of Br DCC staging track sewer material South of Br DCC staging track sewer material South of Br DCC staging track sewer material South of Br	ritannia bridge	< culvert se	ctions in preparatic	on of concrete	e pour this	Monday,	Dec. 12, 2	022.		
lo Grading Activity today. DCC staging track sewer material South of Br DCC staging track sewer material South of Br DCC staging track sewer material South of Br DCC staging track sewer material South of Br	ritannia bridge	< culvert se	ctions in preparatic	on of concrete	e pour this	Monday,	Dec. 12, 2	0022.		
lo Grading Activity today. DCC staging track sewer material South of Br DCC staging track sewer material South of Br DCC staging track sewer material South of Br DCC staging track sewer material South of Br	ritannia bridge	< culvert se	ctions in preparatic	on of concrete	e pour this	Monday,	Dec. 12, 2	022.		
lo Grading Activity today. DCC staging track sewer material South of Br DCC staging track sewer material South of Br DCC staging track sewer material South of Br DCC staging track sewer material South of Br	ritannia bridge	< culvert se	ctions in preparatic	on of concrete	e pour this	Monday,	Dec. 12, 2	022.		
lo Grading Activity today. DCC staging track sewer material South of Br DCC staging track sewer material South of Br DCC staging track sewer material South of Br DCC staging track sewer material South of Br	ritannia bridge	< culvert se	ctions in preparatic	on of concrete	e pour this	Monday,	Dec. 12, 2	022.		
lo Grading Activity today. DCC staging track sewer material South of Br Trib A Box Culvert - Cast-In-Place Works DCC completed installing exterior forms for ca	ritannia bridge	< culvert se	ctions in preparatic	on of concrete	e pour this	Monday,	Dec. 12, 2	022.		
lo Grading Activity today. DCC staging track sewer material South of Br DCC staging track sewer material South of Br DCC staging track sewer material South of Br DCC staging track sewer material South of Br	ritannia bridge	< culvert se	ctions in preparatic	on of concrete	e pour this	Monday,	Dec. 12, 2	022.		



East Track Diversion - Backfill/Compacting culvert crossing at Stn. 65+325

East Track Diversion - Backfill/Compacting culvert crossing at Stn. 65+325



East Track Diversion - Cut to stockpile track profile South of Trib. A



East Track Diversion - Grading track shoulder slope South of Trib. A



Indian Creek - Excavation for wooden toe debris enhancement section



Indian Creek - Excavation for wooden toe debris enhancement section

MATERIALS OR EQUIPMENT DELIVERED TO SITE :	QUANTITY	LOCATION

AECOM

			PROGR	ESS RE	PORT					No.:	243
PROJECT DESCRIPTION :	Milton Logistic	s Hub – Pha	se 1: Gradii			_				DAY :	Monday
	Mile 38.72 to	40.98 Haltor	n Sub.			-					
AECOM PROJECT NO. :	60579933	2 4 4				-				DATE :	12-Dec-22
CLIENT'S CONTRACT NO. :	BW314-38.7		2014			-				EATHER :	Overcast -3 °C
CONTRACTOR :	Dufferin Constr	uction Comp	any			-			IEMPE	RATURE:	-3.0
PREPARED BY :	PAUL SCHIPA			_							
LABOUR	PRINT NAM	E			SIGNATUR						/
	/	<u> </u>	/	\$		/	* /		, /	/	<u></u> /
CLASSIFICATION "INCLUDING OPERATORS"	NUMBED	HOIL	East Tract Divers	Sewers Indian Matting Teek	Unstallario	Pond 2main	Silt Fenre	¹ ^{Trib} A Box Cutton	esert-un	North Gam	^{TOTAL} HOLIRS
CONTRACTOR:	-(/	1	í –		í – – –	((()	/
Project Manager			Í	Í							0
Project Coordinator	1	10									10
Site Superintendent	1	10									10
Forman	3	10				1		1		1	30
Operator	4	10	<u> </u>			2				2	40
Laborers	8	10	-	+	-	2		4		2	80
Grademan		10				2		4		2	0
			+	+	+	1					-
Surveyor											0
											0
Sub-Contractor:					L				L		U
Super			1			1			r –		0
Foremen	1	10				1					10
	2	10				-					
Operator						2					20
Laborers	2	10				2					20
Iron Worker	_										0
Technicians											0
											0
CN Flagman:	2	10	1							1	20
CN Signals:											0
											0
Environmental:				1		1		1			
Stantec Environmental Monitor	1										0
Stantec Technicians											0
Archaeological Monitors	1	10									10
Indigenous Monitors	1	10									10
GEMS	1	10									10
TOTAL LABOUR	25		1	0	0	10	0	5	0	6	240
EQUIPMENT											
TYPE, MODEL, CAPACITY											
CONTRACTOR: Dufferin Construction											
Excavator - Volvo ECR 355	1										0
Excavator - Hitachi 470	1										0
Excavator - John Deere 470	1										0
Rock Truck - Volvo A30G	2	10				1				1	20
Dozer - John Deere 550	1	10									10
Dozer - Deere Nortrax 750k LT	1					1					0
Loader - CAT 950	1	10								1	10
Drum Roller - CATCS44B	1	-	1		1	1					0
Sheepsfoot Packer - CAT CP56B	1										0
Mini Excavator - Bobcat E80	1										0
Mini Excavator - CAT 80	1	10									10
RTV Shuttle	2	10				1				1	20
Kubota SV90 Skid Steer	1	- 10	1	1		+					0
Pick Up Truck	5	10				2		2		1	50
Diesel Plate Tamper		10				<u> </u>		<u> </u>	-	-	0
Water pump / hose									<u> </u>		0
	1										0
Water Truck	1										
RT Backhoe - John Deere 710	1										0
											0
SUB-CONTRACTOR:		10									0
Work Truck	1	10				1					10
CAT 320 Excavator	1	10				1					10

		r				1		1		1 1	
CAT 330 Excavator											0
John Deer Tractor / Trailer	1	10				1					10
Hi Rail Vac Truck											0
Tanker Truck											0
											0
											0
											0
											0
											0
TOTAL EQUIPMENT	25										150
	•										
FLAGMAN'S NAME :	CN Flagman										
TYPE OF PROTECTION :	R42										
MILE, TIME, ETC. :	Halton Sub., M	lile 39.6 to Mile	e 42.9								
SITE SAFETY ISSUES:					(include na	mes, infractio	n & actions	taken)			
EMPLOYEE NAME	CONT.	SUB.		INFRACT	ION				AC	TIONS TAK	EN
THIRD PARTY ISSUES:					(include na	mes, discussi	ons actions	taken)			
NAME		DI	SCUSSION	S					AC	TIONS TAK	EN
	1					1		1			
						1					
						(inel/	l delever i l		nten-t-		
NOTES OF TODAY'S ACTIVITIES & PROGRESS :						(include any	delays or ins	structions to co	ntractors)		
WORKS:											
Pond 2 Area - Indian Creek Enhancement											
Cambridge Landscaping continued excavatir	ig and installing	the woode	en toe deb	bris enhar	ncement sec	tion today					
	-										
DCC decommissioned existing well located a	t West side of F	Pod Barn h	uilding								
				No 1 1-							
DCC began grading embankment slope loca	ted between Re	ed Barn and									
				Jreek enn	ancement w	ork area to	bday.				
				Jreek enn	ancement w	ork area to	oday.				
					ancement w	ork area to	oday.				
					ancement w	ork area to	bday.				
East Track Diversion					ancement w	ork area to	Juay.				
					ancement w	ork area to					
					ancement w	ork area to					
					ancement w	ork area to					
					ancement w	ork area to					
					ancement w	ork area to					
					ancement w	ork area to					
					ancement w	ork area to					
					ancement w	ork area to					
					ancement w	ork area to					
					ancement w	ork area to					
					ancement w	ork area to					
No Track Grading Activity Today					ancement w						
No Track Grading Activity Today											
No Track Grading Activity Today North Crossing Area / Sun Canadian Acce DCC began excavating and installing the 750								de of track	realignmo	ent (South	n of Britannia Bridg
No Track Grading Activity Today North Crossing Area / Sun Canadian Acce DCC began excavating and installing the 750								de of track	realignmo	ent (South	n of Britannia Bridg
No Track Grading Activity Today North Crossing Area / Sun Canadian Acce DCC began excavating and installing the 750								de of track	realignme	ent (South	n of Britannia Bridg
No Track Grading Activity Today North Crossing Area / Sun Canadian Acce DCC began excavating and installing the 750								de of track	realignmo	ent (South	n of Britannia Bridg
No Track Grading Activity Today North Crossing Area / Sun Canadian Acce DCC began excavating and installing the 750								de of track	realignmo	ent (South	n of Britannia Bridg
No Track Grading Activity Today North Crossing Area / Sun Canadian Acce DCC began excavating and installing the 750								de of track	realignmo	ent (South	n of Britannia Bridg
East Track Diversion No Track Grading Activity Today No Track Grading Activity Today North Crossing Area / Sun Canadian Acce DCC began excavating and installing the 750 No Track grading activity today								de of track	realignm	ent (South	n of Britannia Bridg
No Track Grading Activity Today North Crossing Area / Sun Canadian Acce DCC began excavating and installing the 750 No Track grading activity today								de of track	realignme	ent (South	n of Britannia Bridg
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No Track Grading Activity Today North Crossing Area / Sun Canadian Acce DCC began excavating and installing the 750 No Track grading activity today Trib A Box Culvert - Cast-In-Place Works DCC completed finish concrete placement fo DCC QC and Thurber QA on site to test cond	omm dia. Conce r cast in place o crete today and	rete storm s culvert 2A a cast cylind	sewer sec	ction at St	n. 62+650 k			de of track	realignme	ent (South	n of Britannia Bridg
No Track Grading Activity Today North Crossing Area / Sun Canadian Acce DCC began excavating and installing the 750 No Track grading activity today Trib A Box Culvert - Cast-In-Place Works DCC completed finish concrete placement fo DCC QC and Thurber QA on site to test cond	omm dia. Conce r cast in place o crete today and	rete storm s culvert 2A a cast cylind	sewer sec	ction at St	n. 62+650 k			de of track	realignme	ent (South	n of Britannia Bridg
No Track Grading Activity Today North Crossing Area / Sun Canadian Acce DCC began excavating and installing the 750 No Track grading activity today Trib A Box Culvert - Cast-In-Place Works DCC completed finish concrete placement fo DCC QC and Thurber QA on site to test cond	omm dia. Conce r cast in place o crete today and	rete storm s culvert 2A a cast cylind	sewer sec	ction at St	n. 62+650 k			de of track	realignmo	ent (South	n of Britannia Bridg
No Track Grading Activity Today North Crossing Area / Sun Canadian Acce DCC began excavating and installing the 750 No Track grading activity today Trib A Box Culvert - Cast-In-Place Works DCC completed finish concrete placement fo DCC QC and Thurber QA on site to test cond	omm dia. Conce r cast in place o crete today and	rete storm s culvert 2A a cast cylind	sewer sec	ction at St	n. 62+650 k			de of track	realignmo	ent (South	n of Britannia Bridg
No Track Grading Activity Today North Crossing Area / Sun Canadian Acce DCC began excavating and installing the 750 No Track grading activity today Trib A Box Culvert - Cast-In-Place Works DCC completed finish concrete placement fo DCC QC and Thurber QA on site to test cond	omm dia. Conce r cast in place o crete today and	rete storm s culvert 2A a cast cylind	sewer sec	ction at St	n. 62+650 k			de of track	realignme	ent (South	n of Britannia Bridg
No Track Grading Activity Today North Crossing Area / Sun Canadian Acce DCC began excavating and installing the 750	omm dia. Conce r cast in place o crete today and	rete storm s culvert 2A a cast cylind	sewer sec	ction at St	n. 62+650 k			de of track	realignm	ent (South	n of Britannia Bridg
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No Track Grading Activity Today North Crossing Area / Sun Canadian Acce DCC began excavating and installing the 750 No Track grading activity today Trib A Box Culvert - Cast-In-Place Works DCC completed finish concrete placement fo DCC QC and Thurber QA on site to test cond DCC covered poured culvert sections with the	omm dia. Conce r cast in place o crete today and	rete storm s culvert 2A a cast cylind	sewer sec	ction at St	n. 62+650 k			de of track	realignme	ent (South	n of Britannia Bridg
No Track Grading Activity Today North Crossing Area / Sun Canadian Acce DCC began excavating and installing the 750 No Track grading activity today Trib A Box Culvert - Cast-In-Place Works DCC completed finish concrete placement fo DCC QC and Thurber QA on site to test cond DCC covered poured culvert sections with the culvert sections with the culvert sections with the culvert sections with the culvert sections with the culvert sections with the culvert sections with the culvert sections with the culvert sections with the culvert sections with the culvert sections with the culvert sections with the	omm dia. Conce r cast in place o crete today and	rete storm s culvert 2A a cast cylind	sewer sec	ction at St	n. 62+650 k			de of track	realignme	ent (South	n of Britannia Bridg
No Track Grading Activity Today North Crossing Area / Sun Canadian Acce DCC began excavating and installing the 750 No Track grading activity today Trib A Box Culvert - Cast-In-Place Works DCC completed finish concrete placement fo DCC QC and Thurber QA on site to test cond DCC covered poured culvert sections with the DCC covered poured culvert sections with the OTHER:	omm dia. Conce r cast in place o crete today and	rete storm s culvert 2A a cast cylind	sewer sec	ction at St	n. 62+650 k			de of track	realignmo	ent (South	n of Britannia Bridg

SKETCH OR PHOTOS OF DAY'S ACTIVITIES :



Track Realignment Sewer - 750mm conc. Storm sewer install at Stn. 62+650

Trib. A - Concrete placement for cast in place box culvert 2A



Trib A - Pumping box culvert cast in place sections



Trib. A - Finished surface cast in place box culvert section 2A



Indian Creek - Excavation for wooden toe debris enhancement section

Indian Creek/SWM Pond 2 - Shape berm along enhancement area

MATERIALS OR EQUIPMENT DELIVERED TO SITE :	QUANTITY	LOCATION

AECOM

		DAILY	PROGR	ESS RE	PORT					No.:	244
PROJECT DESCRIPTION :	Milton Logistics Hub – Phase 1: Grading & Drainage Mile 38.72 to 40.98 Halton Sub.					-				DAY :	Tuesday
	60579933	40.98 Haltor	i Sub.			-				DATE	13-Dec-22
AECOM PROJECT NO. : CLIENT'S CONTRACT NO. :	BW314-38.	72-1 1				-			w	DATE :	Sunny
CONTRACTOR :	Dufferin Const		anv			-				RATURE:	_5 °C
			uny			-				KATORE.	
PREPARED BY :	PAUL SCHIPA			-		-					
LABOUR	PRINT NAM	E 7			SIGNATURE						/
	/	·	/	8	25/	/	* /		. /		* /
CLASSIFICATION "INCLUDING OPERATORS"	NUMBED	HOUL	East ITack Divers	Seves Indian Creek	n mstallello	Pond 21maies	Sill Fenre	¹ ^{Trib} A Box Cut.	esertur.	North Gam	TOTAL HOLRS
CONTRACTOR:	-(í – – –	/ 4	7	í – – – – – – – – – – – – – – – – – – –	\int	í –	(í – –		/
Project Manager			Í	Í							0
Project Coordinator	1	10									10
Site Superintendent	1	10									10
Forman	4	10	1			1		1		1	40
Operator	7	10	3	1		2	1	1	1	2	70
Laborers	8	10	-			2		4		2	80
Grademan	1	10	1			1					10
Surveyor											0
											0
Sub-Contractor:		l	I	L			I	I	I		0
Super											0
Foremen	1	10				1					10
Operator	2	10				2					20
Laborers	2	10				2					20
Iron Worker											0
Technicians											0
CN Flagman:	2	10	1							1	20
CN Signals:	2	10	1							1	0
											0
Environmental:											
Stantec Environmental Monitor	1								1		0
Stantec Technicians											0
Archaeological Monitors	1	10									10
Indigenous Monitors	1	10									10
GEMS	1	10									10
TOTAL LABOUR	30		6	0	0	10	0	5	0	6	290
EQUIPMENT											
TYPE, MODEL, CAPACITY											
CONTRACTOR: Dufferin Construction			_	_					_		
Excavator - Volvo ECR 355	1										0
Excavator - Hitachi 470	1		ļ								0
Excavator - John Deere 470	1	10	1								10
Rock Truck - Volvo A30G	1	10	2			1				1	10
Dozer - John Deere 550	1	10	<u> </u>			<u> </u> .					10
Dozer - Deere Nortrax 750k LT	1	10	1			1					10
Loader - CAT 950	1	10								1	10
Drum Roller - CATCS44B	1	-				<u> </u>					0
Sheepsfoot Packer - CAT CP56B	1	5	1								5
Mini Excavator - Bobcat E80	1	10									0 10
Mini Excavator - CAT 80 RTV Shuttle	2	10 10				1				1	20
RTV Shuttle Kubota SV90 Skid Steer	1	10				1				1	20
Pick Up Truck	5	10				2		2	<u> </u>	1	50
Diesel Plate Tamper		10						2	<u> </u>	1	0
Water pump / hose			1	-		-					0
Water Truck	1		1	1		<u> </u>	<u> </u>		<u> </u>		0
RT Backhoe - John Deere 710	1		1								0
	+ -		1	1		1					0
SUB-CONTRACTOR:			1			1					0
Work Truck	1	10				1					10
CAT 320 Excavator	1	10				1					10

		. <u> </u>									
CAT 330 Excavator	<u> </u>					<u> </u> .		-			0
John Deer Tractor / Trailer	1	10				1					10
Hi Rail Vac Truck				-					_	-	0
Fanker Truck				-					_		0
											0
											0
											0
											0
											0
TOTAL EQUIPMENT	24										165
FLAGMAN'S NAME :	CN Flagman										
TYPE OF PROTECTION :	R42										
MILE, TIME, ETC. :	Halton Sub., M	ile 39.6 to Mil	e 42.9								
SITE SAFETY ISSUES:					(include na	mes, infractio	n & actions	taken)			
EMPLOYEE NAME	CONT.	SUB.		INFRACT	ION				A	CTIONS TAK	EN
		•				,	•	•			
THIRD PARTY ISSUES:					(include na	mes, discuss	ions actions	taken)			
NAME		D	ISCUSSIO	NS				T	A	CTIONS TAK	EN
							1	1			
						1					
	1					1	1	1			
						1	1	1			
NOTES OF TODAY'S ACTIVITIES & PROGRESS :						(include any	delays or in	structions to a	contractors)		
WORKS:						(moldae any	dolayo or in		,onadotoroj		
Pond 2 Area - Indian Creek Enhancement											
Cambridge Landscaping completed excavatin	a and installin	a the wood	on too d	obrio onbr	noomont or	ation toda	,				
						ction toua	y.				
Cambridge excavating riparian wetland pond	beside creek e	nhanceme	nt work a	area today	per design.						
DCC grading embankment slope located betv	veen Red Barr	and SWN	Pond 2								
East Track Diversion											
DCC continued cutting to stockpile native ma	terial for propo	sed track b	ed South	n of Trib. A	٨.						
5 1											
North Crossing Area / Sun Canadian Acce	ss Road										
DCC completed excavating and installing the	750mm dia. C	oncrete sto	orm sewe	er section a	at Stn. 62+6	50 located	along Ea	ast side of	track reali	gnment (S	South of Britannia
DCC backfilling and compacting installed stor	m sewer with g	granular ma	aterial.								
DCC QC on site to check compaction today.											
Trib A Box Culvert - Cast-In-Place Works											
DCC began stripping interior forms of cast in	nlace hox culu	art sections									
OTHER:											
2 CN Flagman on site today.											



Indian Creek - Excavation for Riparian Wetland pond at enhancement section

Indian Creek/SWM Pond 2 - Shape berm along enhancement area



Track Realignment Sewer - 750mm conc. Storm sewer install at Stn. 62+650

East Track Diversion - Cut to stockpile track profile South of Trib. A

MATERIALS OR EQUIPMENT DELIVERED TO SITE :	QUANTITY	LOCATION

AECOM

		DAILY	PROGR	ESS RE	PORT					No.:	245
PROJECT DESCRIPTION :	DAILY PROGRESS REPORT Milton Logistics Hub – Phase 1: Grading & Drainage Mile 38.72 to 40.98 Halton Sub.									DAY :	Wednesday
AECOM PROJECT NO. :	60579933	40.98 Haltor	n Sud.			-				DATE :	14-Dec-22
CLIENT'S CONTRACT NO.:	BW314-38.7	72-1 1				-			w	EATHER :	Partly Cloudy
CONTRACTOR :	Dufferin Constr		anv			-				RATURE:	-5 °C
PREPARED BY :	PAUL SCHIPA					-					
	PRINT NAM			-	SIGNATURI	E					
LABOUR		7				ACTI	/ITY				/
CLASSIFICATION "INCLUDING OPERATORS"	NUMBED	HOIL	Sac Diversi	Severs Victoria Indian Creek	^{9 histallation}	Pond 2 main	Silt Fenre	¹ ^{Trib} A Box Cui.	norderm.	North Gam.	TOJAL HOURS
CONTRACTOR:	-(í – – –	14	7	í –	\int	í –	(í – –		/
Project Manager			Í	í –							0
Project Coordinator	1	10									10
Site Superintendent	1	10									10
Forman	4	10	2			1		1			40
Operator	6	10	4			2					60
Laborers	8	10	3	1	1	2		3			80
Grademan		-	-	1		1			1		0
Surveyor											0
, 			-								0
Sub-Contractor:		I	<u> </u>	L	I	I	L	I	I	I	0
Super											0
Foremen	1	10				1					10
Operator	2	10				2					20
Laborers	2	10				2					20
Iron Worker											0
Technicians											0
											0
CN Flagman:	2	10	1							1	20
CN Signals:											0
Environmental:	_										0
Stantec Environmental Monitor	1										0
Stantec Technicians											0
Archaeological Monitors	1	10									10
Indigenous Monitors	1	10									10
GEMS	1	10									10
TOTAL LABOUR	28		10	0	0	10	0	4	0	1	270
EQUIPMENT	I	1	1				1			1 1	
TYPE, MODEL, CAPACITY											
CONTRACTOR: Dufferin Construction											
Excavator - Volvo ECR 355	1										0
Excavator - Hitachi 470	1	10	1								10
Excavator - John Deere 470	1	7	1								7
Rock Truck - Volvo A30G	1	6	1								6
Dozer - John Deere 550	1	8	1								8
Dozer - Deere Nortrax 750k LT	1	8				1					8
Loader - CAT 950	1	10	1								10
Drum Roller - CATCS44B	1										0
Sheepsfoot Packer - CAT CP56B	1										0
Mini Excavator - Bobcat E80	1	10									0
Mini Excavator - CAT 80	1 2	10 10				1				1	10 20
RTV Shuttle Kubota SV90 Skid Steer	1	10	+			1	<u> </u>			1	0
Pick Up Truck	5	10	+			2		2		1	50
Diesel Plate Tamper	5	10								1	0
Water pump / hose											0
Water Truck	1		1	<u> </u>		1					0
RT Backhoe - John Deere 710	1		+			1					0
	+ -					1					0
SUB-CONTRACTOR:	1		1			1					0
Work Truck	1	10				1					10
CAT 320 Excavator	1	10				1					10

bin ber funder / Tusker 1 1 1 1 1 1 1 1 1	CAT 220 F		1	1	1			1	1			~
<pre>if a lat Variable in the second of the</pre>	CAT 330 Excavator	1	10				1					0
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TOTAL EQUIPMENT 0 0 0 PLOGMATS NAME: NP 00 159 PLOGMATS NAME: NP 00 159 MEE, TEK, ETC : NEE, MIK 18 20 to MIK 20 (nuclear means, Hindoha actors bland) STFE ANTY SOURS : (nuclear means, Hindoha actors bland) ACTORS TAKEN NUE DECUSSIONS (nuclear means, Hindoha actors bland) ACTORS TAKEN NUE OP 10 1												-
TOTAL EQUIPMENT 2d 0 0 399 PLAGMATE NURF: Brit Summer Street FIG: Hot Street FIG: Hot Street FIG: Hot Street FIG: Hot Street FIG: Hot Street FIG: Forder more, if righter & store later: ACTIONS TAKEN SHE SAFEY YESUES: Inclear more, if righter & store later: Inclear more, if righter & store later: ACTIONS TAKEN NME 0 <t< td=""><td></td><td>+</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td></t<>		+										-
PLACEWORD SINKE: Cor Fuguem TYPE OF PROTECTORS: 342 MRL TREETC: Water Ge. Mile 30 ib Mile (2) STE EXPECT VISUES: (value wrise, fination 5 willing Single Construction 5 will Single Construction 5 will Single Construction 5 willing Single Construction 5 willing Single Construction 5 will Single Construction 5 will Single Construction 5 will Single Construction 5 will Single Construction 5 will Single Construction 5 will Single Construction 5 will Single Construction 5 will Single Construction 5 will Single Construction 5 will Single Construction Single Construction 5 will Single Construct		24										
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SITE EVETY SSUES: (industry manus, infrastion & pactors taken) ATTONE TAKEN ONT 3UB INFRACTION and and and and and and and and and and	TYPE OF PROTECTION :	R42										
ENFLOYEE NAME CONT. SUB. REFRACTION ACTOMS TAKEN I	MILE, TIME, ETC. :	Halton Sub., M	ile 39.6 to Mil	e 42.9								
ENFLOYEE NAME CONT. SUB. REFRACTION ACTOMS TAKEN I												
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DCC continued stripping interior forms at cast in place box culvert 2A & 2B sections.	Frib A Box Culvert Cost In Bloos Works											
DTHER:		n place barr	ulvert 0.4 c	2 2P	tions							
	DCC continued stripping interior forms at cast i	n place box c	uiven ZA d	x ZB Seci	uons.							
		-										
		-										
2 CN Flagman on site today.												
	OTHER: 2 CN Flagman on site today.											



Indian Creek - Completed riparian wetland pond at enhancement section







Trib. A - Fish rescue and dewatering creek section at prop. Track realignment



Track Realignment - Installed 750mm Stm. Sewer section at Stn. 62+650



Track Realignment - Identified organic material South of Trib. A

MATERIALS OR EQUIPMENT DELIVERED TO SITE :	QUANTITY	LOCATION

AECOM

		DAILY	PROGR	ESS RE	PORT					No.:	246	
PROJECT DESCRIPTION :	Milton Logisti					'				DAY :	Thursday	
	Mile 38.72 to	40.98 Haltor	n Sub.			-						
AECOM PROJECT NO. :	60579933					-		15-Dec-22				
CLIENT'S CONTRACT NO. :	BW314-38.					-				EATHER :	Rain & Snow	
CONTRACTOR :	Dufferin Const	ruction Comp	any			-			TEMPE	RATURE:	2 °C	
PREPARED BY :	PAUL SCHIPA	NI										
LABOUR	PRINT NAM	E			SIGNATURE	ACTIV	// T //					
LABOOR		<u> </u>	/	6	/		<u>* /</u>		, /		<u> </u>	
CLASSIFICATION "INCLUDING OPERATORS"	WUMBER	HOUA	East Track Divers	Seves Indian Creek	9 Installation	Pond 2main	Silt Fence	⁷ rib A Box Cutto	Paced .	Nonth Gradie	TOTAL HOURS	
CONTRACTOR:		í –	/	1	ſ	(í –	Í	í –	() (, 	
Project Manager			Í	Í							0	
Project Coordinator	1	8									8	
Site Superintendent	1	8									8	
Forman											0	
Operator											0	
Laborers											0	
Grademan											0	
Surveyor											0	
											0	
Sub-Contractor:			I		I						0	
Super			1								0	
Foremen											0	
Operator											0	
Laborers											0	
Iron Worker											0	
Technicians											0	
											0	
CN Flagman:	2										0	
CN Signals:											0	
											0	
Environmental:												
Stantec Environmental Monitor							ļ		ļ		0	
Stantec Technicians											0	
Archaeological Monitors											0	
Indigenous Monitors											0	
GEMS TOTAL LABOUR	4		0	0	0	0	0	0	0	0	0 16	
EQUIPMENT	4		0	0	0	0	0	0	0	0	16	
TYPE, MODEL, CAPACITY												
CONTRACTOR: Dufferin Construction												
Excavator - Volvo ECR 355	1		1								0	
Excavator - Volvo Eck 355 Excavator - Hitachi 470	1		1								0	
Excavator - John Deere 470	1		1								0	
Rock Truck - Volvo A30G	1		1								0	
Dozer - John Deere 550	1		1								0	
Dozer - Deere Nortrax 750k LT	1		1	1	1	1	1		1		0	
Loader - CAT 950	1		1								0	
Drum Roller - CATCS44B	1										0	
Sheepsfoot Packer - CAT CP56B	1										0	
Mini Excavator - Bobcat E80	1										0	
Mini Excavator - CAT 80	1										0	
RTV Shuttle	2					1				1	0	
Kubota SV90 Skid Steer	1										0	
Pick Up Truck											0	
Diesel Plate Tamper											0	
Water pump / hose			ļ	L	L						0	
Water Truck	1										0	
RT Backhoe - John Deere 710	1										0	
				<u> </u>							0	
SUB-CONTRACTOR:											0	
Work Truck	1										0	
CAT 320 Excavator	1	1	1			1	1		1		0	

CAT 330 Excavator		1	1	1			1				0
John Deer Tractor / Trailer	1										0
Hi Rail Vac Truck	1										0
											-
Tanker Truck											0
	10										0
TOTAL EQUIPMENT	18										0
	1										
FLAGMAN'S NAME :	CN Flagman										
TYPE OF PROTECTION :	R42										
MILE, TIME, ETC. :	MILE, TIME, ETC.: Halton Sub., Mile 39.6 to Mile 42.9										
SITE SAFETY ISSUES: (include names, infraction & actions taken)											
EMPLOYEE NAME	CONT.	SUB.		INFRACTI	ON				AC	TIONS TAP	KEN
	1										
THIRD PARTY ISSUES:					(include pag	nes, discussi	one actions	takan)			
NAME			ISCUSSION		(Include han					TIONS TAP	
			130033101	13					AC		
NOTES OF TODAY'S ACTIVITIES & PROGRESS :						(include any	delays or ins	tructions to co	ntractors)		
WORKS:											
No Activity/No Forces on site today due to w	/eather.										
SKETCH OR PHOTOS OF DAY'S ACTIVITIES :											
MATERIALS OR EQUIPMENT DELIVERED TO SITE :		QUANTITY						LOCATION			
t											

AECOM

RAILWAY ENGINEERING

			PROGR	ESS RE	PORT					No.:	247
PROJECT DESCRIPTION :	Milton Logistic	cs Hub – Pha	ise 1: Gradii			_				DAY :	Friday
AFOON BROUFOT NO.	Mile 38.72 to 60579933	40.98 Haltor	i Sub.			-					16-Dec-22
AECOM PROJECT NO. : CLIENT'S CONTRACT NO. :	BW314-38.7	72-1 1				-			14	DATE : EATHER :	Overcast
CONTRACTOR :	Dufferin Const		anv			-				RATURE:	2 °C
			any			-					2.0
PREPARED BY :				-							
LABOUR	PRINT NAM	/			SIGNATURE	ACTI					/
	/	·		8./	25	/	* /		<u> </u>		* /
CLASSIFICATION "INCLUDING OPERATORS"	NUMBED	Hour	East Track Divers	Servers Indian Creek	Unstallati	Pond 2main	Silt Fence	Trib A Box Culus	a	North Gradie	¹⁰¹ ¹⁰⁰ ¹⁰⁰
CONTRACTOR:	(Í	/~	/	Í		(((()	/
Project Manager			1	Í							0
Project Coordinator	1	10									10
Site Superintendent	1	10						1			10
Forman	1	10						1			10
Operator	1	10						1			10
Laborers	3	10				1		3			30
Grademan		<u> </u>	1								0
Surveyor			+								0
			+								0
			+								0
Sub Contractor:											U
Sub-Contractor:	_									. I	0
Super											0
Foremen											0
Operator	_										0
Laborers											0
Iron Worker											0
Technicians											0
											0
CN Flagman:	2	10									20
CN Signals:											0
											0
Environmental:											
Stantec Environmental Monitor	1										0
Stantec Technicians											0
Archaeological Monitors											0
Indigenous Monitors											0
GEMS	1	10									10
TOTAL LABOUR	10		0	0	0	0	0	6	0	0	90
EQUIPMENT											
TYPE, MODEL, CAPACITY											
CONTRACTOR: Dufferin Construction											
Excavator - Volvo ECR 355	1										0
Excavator - Hitachi 470	1		1								0
Excavator - John Deere 470	1		1			1					0
Rock Truck - Volvo A30G	1		1		1	1					0
Dozer - John Deere 550	1		1								0
Dozer - Deere Nortrax 750k LT	1		+ -		t	1					0
Loader - CAT 950	1	10						1			10
Drum Roller - CATCS44B	1							-			0
Sheepsfoot Packer - CAT CP56B	1										0
Mini Excavator - Bobcat E80	1		1		-	1					0
Mini Excavator - CAT 80	1										0
RTV Shuttle	2	10	+		-			1			20
Kubota SV90 Skid Steer	1	10	+		+	<u> </u>					0
Pick Up Truck	2	10	+		+	<u> </u>		2			20
		10						2			
Diesel Plate Tamper	_		+		-	-					0
Water pump / hose			+								0
Water Truck	+ .		+								0
RT Backhoe - John Deere 710	1										0
											0
SUB-CONTRACTOR:	_										0
Work Truck											0
CAT 320 Excavator	1				1						0

CAT 330 Excavator											
											0
John Deer Tractor / Trailer	1										0
Hi Rail Vac Truck											0
anker Truck											0
											0
											0
											0
											0
										+	0
TOTAL EQUIPMENT	19										50
FLAGMAN'S NAME :	CN Flagman										
TYPE OF PROTECTION :	R42										
MILE, TIME, ETC. :	Halton Sub., M	ile 39.6 to Mil	e 42.9								
SITE SAFETY ISSUES:					(include nar	nes, infractio	n & actions	aken)			
EMPLOYEE NAME	CONT.	SUB.		INFRACT	ION				A	CTIONS TAK	EN
		I				I					
THIRD PARTY ISSUES:					(include nar	nes, discussi	ons actions	taken)			
NAME		D	ISCUSSIO	NS					A	CTIONS TAK	EN
											-
						1	1	1			
NOTES OF TODAY'S ACTIVITIES & PROGRESS :	I					(include any	delavs or ins	tructions to	contractors)		
VORKS:						(,		
	4										
Pond 2 Area - Indian Creek Enhancemer	il i										
lo Activity Today											
East Track Diversion											
No Activity Today											
, ,											
	ess Road										
	ess Road										
	ess Road										
	ess Road										
	ess Road										
	ess Road										
	ess Road										
	eess Road										
lo Activity Today											
lo Activity Today											
lo Activity Today		rts 2A ad 2	2B resting	g pools toc	lay						
lo Activity Today		rts 2A ad 2	2B restinț	g pools too	lay.						
lo Activity Today		rts 2A ad 2	2B resting	g pools too	lay.						
lo Activity Today		rts 2A ad 2	2B resting	g pools too	lay.						
lo Activity Today		rts 2A ad 2	2B restinț	g pools too	lay.						
lo Activity Today		rts 2A ad 2	PB resting	g pools too	lay.						
lo Activity Today		rts 2A ad 2	2B resting	g pools too	lay.						
No Activity Today		rts 2A ad 2	2B resting	g pools too	lay.						
No Activity Today		rts 2A ad 2	PB resting	g pools too	lay.						
No Activity Today		rts 2A ad 2	2B resting	g pools too	lay.						
No Activity Today		rts 2A ad 2	2B resting	g pools too	lay.						
No Activity Today		rts 2A ad 2	2B resting	g pools too	lay.						
lo Activity Today		rts 2A ad 2	2B resting	g pools too	lay.						
Io Activity Today		rts 2A ad 2	2B resting	g pools too	lay.						
Trib A Box Culvert - Cast-In-Place Works DCC pumping accumulative overnight rainw		rts 2A ad 2	2B resting	g pools too	lay.						
Trib A Box Culvert - Cast-In-Place Works DCC pumping accumulative overnight rainw		rts 2A ad 2	2B resting	g pools too	lay.						
North Crossing Area / Sun Canadian Acc No Activity Today Frib A Box Culvert - Cast-In-Place Works DCC pumping accumulative overnight rainw DCC pumping accumulative overnight rainw DCC pumping accumulative overnight rainw		rts 2A ad 2	2B resting	g pools too	lay.						

SKETCH OR PHOTOS OF DAY'S ACTIVITIES :		
MATERIALS OR EQUIPMENT DELIVERED TO SITE :	QUANTITY	LOCATION
MATERIALS ON EQUIPMENT DELIVERED TO SITE .	QOANTIT	LOCATION

CN Milton Logistics Hub: 2022 Construction Acoustic Environment Follow-up Program Results Appendix C Instrument Calibration Certificates March 30, 2023

Appendix C Instrument Calibration Certificates

Calibration Certificate

Certificate Number 2022000700 Customer: Stantec Consulting

Model Number	CAL200	Procedure Number	D000 ⁻	1.8386					
Serial Number	4813	Technician	Abrah	Abraham Ortega					
Test Results	Pass	Calibration Date	19 Ja	19 Jan 2022					
to the LO - walked	AS RECEIVED some as abinord	Calibration Due	19 Ja	n 2023					
Initial Condition	AS RECEIVED same as shipped	Temperature	22	°C	± 0.3 °C				
Description	Larson Davis CAL200 Acoustic C	Calibrator <i>Humidity</i>	32	%RH	± 3 %RH				
		Static Pressure	101 .1	kPa	±1kPa				
Evaluation Metho	 The data is addited by it 	the insert voltage calibration method using reported in dB re 20 μPa.	the refere	ence mic	crophone's open				
Compliance Stan	dards Compliant to Manufact	Compliant to Manufacturer Specifications per D0001.8190 and the following standards:							
	IEC 60942:20	17 ANSI \$1.40-2006							

Issuing lab certifies that the instrument described above meets or exceeds all specifications as stated in the referenced procedure (unless otherwise noted). It has been calibrated using measurement standards traceable to the SI through the National Institute of Standards and Technology (NIST), or other national measurement institutes, and meets the requirements of ISO/IEC 17025:2017. Test points marked with a ‡ in the uncertainties column do not fall within this laboratory's scope of accreditation.

The quality system is registered to ISO 9001:2015.

This calibration is a direct comparison of the unit under test to the listed reference standards and did not involve any sampling plans to complete. No allowance has been made for the instability of the test device due to use, time, etc. Such allowances would be made by the customer as needed.

The uncertainties were computed in accordance with the ISO Gulde to the Expression of Uncertainty in Measurement (GUM). A coverage factor of approximately 2 sigma (k=2) has been applied to the standard uncertainty to express the expanded uncertainty at approximately 95% confidence level.

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	Standards Used		
Description	Cal Date	Cal Due	Cal Standard
Larson Davis Model 2900 Real Time Analyzer	04/01/2021	04/01/2022	001051
Agilent 34401A DMM	03/02/2021	03/02/2022	002588
Microphone Calibration System	02/24/2021	02/24/2022	005446
1/2" Preamplifier	08/26/2021	08/26/2022	006506
Larson Davis 1/2" Preamplifier 7-pin LEMO	08/09/2021	08/09/2022	006507
1/2 inch Microphone - RI - 200V	09/23/2021	09/23/2022	006511
Hart Scientific 2626-H Temperature Probe	02/04/2021	08/04/2022	006767
Pressure Transducer	06/28/2021	06/28/2022	007310

LARSON DAVIS - A PCB PIEZOTRONICS DIV. 1681 West 820 North Provo, UT 84601, United States 716-684-0001





Certificate Number 2022000700 Output Level

Nominal Level [dB]	Pressure [kPa]	Test Result [dB]	Lower limit [dB]		rpanded Uncertainty [dB] Result			
114	101.3	114.03	113.80	114.20	0.14 Pass			
94	101.1	93.98	93.80	94.20	0.15 Pass			

- End of measurement results-

Frequency

Nominal Leve [dB]	Rressure [kP#]	CITIESTING TO CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A	Lower limit [Hz]	MS0000707000000000000000000000000000000	xpanded Uncertainty [Bz]			
114	101.3	1,000.11	993.00	1,007.00	0.20 Pass			
94	101. 1	1,000.14	993.00	1,007.00	0.20 Pass			
End of moonward variate								

- End of measurement results-

Total Harmonic Distortion + Noise (THD+N)

Nominal Level [dB]		Test Result	Lower limit [%]	Upper limit Ex [%]	panded Uncertainty [%]	Result	
114	101.3	0.31	0.00	2.00	0.25 ‡	Pass	
94	101.1	0.37	0.00	2.00	0.25 ‡	Pass	

-- End of measurement results--

Level Change Over Pressure

Tested at: 114 dB, 22 °C, 32 %RH

Nominal Pressure [kPa]	Pressure [kPa]	Test Result [dB]	Lower limit [dB]	Upper limit Exp [dB]	anded Uncertainty [dB]	Result				
108.0	108.0	-0.02	-0.25	0.25	0.04 ‡	Pass				
101.3	101.5	0.00	-0.25	0.25	0.04 ‡	Pass				
92.0	92.0	0.03	-0.25	0.25	0.04 ‡	Pass				
83.0	82.7	0.03	-0.25	0.25	0.04 ‡	Pass				
74.0	74.0	0.01	-0.25	0.25	0.04 ‡	Pass				
65.0	65.1	-0.05	-0.25	0.25	0.04 ‡	Pass				
	End of mansurement population									

-- End of measurement results--

Frequency Change Over Pressure

Tested at: 114 dB, 22 °C, 32 %RH

Nominal Pressur [kPa]	e Pressure [kPa]	Test Result [Hz]	Lower limit [Hz]	Upper limit Ex [Hz]	panded Uncertainty [Hz]	Result
108.0	108.0	0.00	-7.00	7.00	0.20 ‡	Pass
101.3	101.5	0.00	-7.00	7.00	0.20 ‡	Pass
92.0	92.0	0.00	-7.00	7.00	0.20 ‡	Pass
83.0	82.7	-0.01	-7.00	7.00	0.20 ‡	Pass
74.0	74.0	-0.01	-7.00	7.00	0.20 ‡	Pass
65.0	65.1	-0.01	-7.00	7.00	0.20 ‡	Pass

-- End of measurement results--

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D0001.8410 Rev D

Certificate Number 2022000700 Total Harmonic Distortion + Noise (THD+N) Over Pressure

Tested at: 114 dB, 22 °C, 32 %RH

Nominal Press: [kPa]	are Pressure [kPa]	Test Result [%]			anded Uncertainty [%]	Result		
108.0	108.0	0,31	0.00	2.00	0.25 ‡	Pass		
101.3	101,5	0.31	0.00	2.00	0.25 ‡	Pass		
92.0	92.0	0.31	0.00	2.00	0.25 ‡	Pass		
83.0	82.7	0.31	0.00	2.00	0.25 ‡	Pass		
74.0	74.0	0.32	0.00	2.00	0.25 ‡	Pass		
65.0	65.1	0.33	0.00	2.00	0.25 ‡	Pass		
- End of measurement results								

Signatory: <u>Abraham Ortega</u>

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Document No:	Print Date:	Location of Calibration:	Page No:			
Cal 90190	12/21/2021	Älvsjö, Sweden	1 / 1			
Customer:	Stantec (Mississauga)					
Device under Test:	INFRA S50 Sound Level Meter	INFRA S50 Sound Level Meter				
	SN: 141					
	Software Version: 1.8.	1				
Date of Calibration:	12/1/2021					
Ambient Conditions:	23°C ± 2°C (73.4°F ± 3.6	°F)				
Method of Measurement:	Absolute gain at 94 dBA / 1000 Hz using acoustic calibrator. Rel. gain between standards and freq. weighting using electrical signals.					
Equipment:	Signal Generator: Keysight 33521B #MY52703206					
	Acoustic Calibrator: Svantek S	V30A #29122				
Traceability:	Traceable to national and international standards.					
Result of Measurement:	Results are within specification	limits.				
Recommended Interval of	12 months.					
Calibration:		<ori< td=""><td>ginal signed by></td></ori<>	ginal signed by>			
Calibration performed by:	Patrick Jacobsen	Signature:	······			



Document No:	Print Date:	Location of Calibration:	Page No:			
Cal 90232	1/6/2022	Älvsjö, Sweden	1 / 1			
Customer:	Stantec (Mississauga)					
Device under Test:	INFRA S50 Sound Level Meter	INFRA S50 Sound Level Meter				
	SN: 141					
	Software Version: 1.8.	1				
Date of Calibration:	1/6/2022					
Ambient Conditions:	23°C ± 2°C (73.4°F ± 3.6	°F)				
Method of Measurement:	-	Absolute gain at 94 dBA / 1000 Hz using acoustic calibrator. Rel. gain between standards and freq. weighting using electrical signals.				
Equipment:	Signal Generator: Keysight 33521B #MY52703206					
	Acoustic Calibrator: Svantek SV30A #29122					
Traceability:	Traceable to national and international standards.					
Result of Measurement:	Results are within specification	limits.				
Recommended Interval of	12 months.					
Calibration:		<ori< th=""><th>ginal signed by></th></ori<>	ginal signed by>			
Calibration performed by:	Patrick Jacobsen	Signature:				



Document No:	Print Date:	Location of Calibration:	Page No:			
Cal 90246	12/29/2021	Älvsjö, Sweden	1 / 1			
Customer:	Stantec (Mississauga)					
Device under Test:	INFRA S50 Sound Level Meter	INFRA S50 Sound Level Meter				
	SN: 141	68				
	Software Version: 1.8	.1				
Date of Calibration:	12/6/2021					
Ambient Conditions:	23°C ± 2°C (73.4°F ± 3.6	23° C ± 2° C (73.4° F ± 3.6° F)				
Method of Measurement:	Absolute gain at 94 dBA / 1000 Hz using acoustic calibrator. Rel. gain between standards and freq. weighting using electrical signals.					
Equipment:	Signal Generator: Keysight 33521B #MY52703206					
	Acoustic Calibrator: Svantek S	V30A #29122				
Traceability:	Traceable to national and international standards.					
Result of Measurement:	Results are within specification	limits.				
Recommended Interval of Calibration:	12 months.	_				
-		<or< td=""><td>iginal signed by></td></or<>	iginal signed by>			
Calibration performed by:	Patrick Jacobsen	Signature:	· · · · · · · · · · · · · · · · · · ·			



Document No:	Print Date:	Location of Calibration:	Page No:		
Cal 90241	1/6/2022	Älvsjö, Sweden	1 / 1		
Customer:	Stantec (Mississauga)				
Device under Test:	INFRA S50 Sound Level Meter				
	SN: 141				
	Software Version: 1.8	.1			
Date of Calibration:	1/6/2022				
Ambient Conditions:	23°C ± 2°C (73.4°F ± 3.6	°F)			
Method of Measurement:	-	Absolute gain at 94 dBA / 1000 Hz using acoustic calibrator. Rel. gain between standards and freq. weighting using electrical signals.			
Equipment:	Signal Generator: Keysight 33521B #MY52703206 Acoustic Calibrator: Svantek SV30A #29122				
Traceability:	Traceable to national and international standards.				
Result of Measurement:	Results are within specification limits.				
Recommended Interval of Calibration:	12 months.	∎<0	riginal signed by>		
Calibration performed by:	Patrick Jacobsen	Signature:	· ·		



Document No:	Print Date:	Location of Calibration:	Page No:		
Cal 95550	6/6/2022	Ottawa, Canada	1 / 1		
Customer:	Stantec (Mississauga)				
Device under Test:	INFRA S50 Sound Level Meter	INFRA S50 Sound Level Meter			
	SN: 141	93			
	Software Version: 1.8.	.1			
Date of Calibration:	6/6/2022				
Ambient Conditions:	23°C ± 2°C (73.4°F ± 3.6	°F)			
Method of Measurement:	-	Absolute gain at 94 dBA / 1000 Hz using acoustic calibrator. Rel. gain between standards and freq. weighting using electrical signals.			
Equipment:		Acoustic Calibrator: Svantek SV36 #116312			
	Signal Generator: Keysight 335	521B #MY59000555			
Traceability:	Traceable to national and international standards.				
Result of Measurement:	Results are within specification limits.				
Recommended Interval of Calibration:	12 months.				
Calibration performed by:	Ross Campbell	<of Signature:</of 	iginal signed by>		



Document No:	Print Date:	Location of Calibration:	Page No:			
Cal 90243	12/29/2021	Älvsjö, Sweden	1 / 1			
Customer:	Stantec (Mississauga)					
Device under Test:	INFRA S50 Sound Level Me	INFRA S50 Sound Level Meter				
		4165				
	Software Version:	1.8.1				
Date of Calibration:	12/6/2021					
Ambient Conditions:	23°C ± 2°C (73.4°F ±	3.6° F)				
Method of Measurement:	0	Absolute gain at 94 dBA / 1000 Hz using acoustic calibrator. Rel. gain between standards and freq. weighting using electrical signals.				
Equipment:	Signal Generator: Keysight Acoustic Calibrator: Svantel					
		3V30A #29122				
Traceability:	Traceable to national and ir	Traceable to national and international standards.				
Result of Measurement:	Results are within specificat	ion limits.				
Recommended Interval of	12 months.					
Calibration:						
			<original by="" signed=""></original>			
Calibration performed by:	Patrick Jacobsen	Signature:				



Document No:	Print Date:	Location of Calibration:	Page No:		
Cal 95091	5/19/2022	Ottawa, Canada	1 / 1		
Customer:	Stantec (Mississauga)				
Device under Test:	INFRA S50 Sound Level Mete	INFRA S50 Sound Level Meter			
		165			
	Software Version: 1.8	5.1			
Date of Calibration:	5/19/2022				
Ambient Conditions:	23°C ± 2°C (73.4°F ± 3.6	° F)			
Method of Measurement:	0	Absolute gain at 94 dBA / 1000 Hz using acoustic calibrator. Rel. gain between standards and freg. weighting using electrical signals.			
Equipment:	Acoustic Calibrator: Svantek S	SV36 #116312			
	Signal Generator: Keysight 33	521B #MY59000555			
Traceability:	Traceable to national and inte	Traceable to national and international standards.			
Result of Measurement:	Results are within specification	n limits.			
Recommended Interval of	12 months.				
Calibration:			ining aigned by		
Calibration performed by:	Ross Campbell	<or Signature:</or 	iginal signed by>		
Canaration performed by:					



Document No:	Print Date:	Location of Calibration:	Page No:			
Cal 91030	1/28/2022	Älvsjö, Sweden	1 / 1			
Customer:	Stantec (Mississauga)					
Device under Test:	INFRA S50 Sound Level Mete	INFRA S50 Sound Level Meter				
		195				
	Software Version: 1.8	5.1				
Date of Calibration:	1/18/2022					
Ambient Conditions:	23°C ± 2°C (73.4°F ± 3.6	° F)				
Method of Measurement:	-	Absolute gain at 94 dBA / 1000 Hz using acoustic calibrator. Rel. gain between standards and freq. weighting using electrical signals.				
Equipment:	Signal Generator: Keysight 33	Signal Generator: Keysight 33521B #MY52703206				
		Acoustic Calibrator: Svantek SV30A #29122				
Traceability:	Traceable to national and inte	Traceable to national and international standards.				
Result of Measurement:	Results are within specification	n limits.				
Recommended Interval of	12 months.					
Calibration:		<	Driginal signed by>			
Calibration performed by:	Patrick Jacobsen	Signature:	······			
Galibration performed by:		Signature:				



Document No:	Print Date:	Location of Calibration:	Page No:			
Cal 90245	12/29/2021	Älvsjö, Sweden	1 / 1			
Customer:	Stantec (Mississauga)					
Device under Test:	INFRA S50 Sound Level Meter	INFRA S50 Sound Level Meter				
	SN: 141	67				
	Software Version: 1.8	.1				
Date of Calibration:	12/6/2021					
Ambient Conditions:	23°C ± 2°C (73.4°F ± 3.6	°F)				
Method of Measurement:	Absolute gain at 94 dBA / 1000 Hz using acoustic calibrator. Rel. gain between standards and freq. weighting using electrical signals.					
Equipment:	Signal Generator: Keysight 33521B #MY52703206					
	Acoustic Calibrator: Svantek S	V30A #29122				
Traceability:	Traceable to national and international standards.					
Result of Measurement:	Results are within specification	limits.				
Recommended Interval of	12 months.					
Calibration:						
Calibration performed by:	Patrick Jacobsen	Signature:	ginal signed by>			



Device under Test: INFRA S50 Sound Level Meter SN: 14167 Software Version: 1.8.1 Date of Calibration: 6/6/2022 Ambient Conditions: 23° C ± 2° C (73.4° F ± 3.6° F) Method of Measurement: Absolute gain at 94 dBA / 1000 Hz using acoustic calibrator. Rel. gain between standards and freq. weighting using electrical signals. Equipment: Acoustic Calibrator: Svantek SV36 #116312 Signal Generator: Keysight 33521B #MY59000555 Traceability: Traceable to national and international standards. Result of Measurement: Results are within specification limits.	Document No:	Print Date:	Location of Calibration:	Page No:		
Device under Test: INFRA S50 Sound Level Meter SN: 14167 Software Version: 1.8.1 Date of Calibration: 6/6/2022 Ambient Conditions: 23° C ± 2° C (73.4° F ± 3.6° F) Method of Measurement: Absolute gain at 94 dBA / 1000 Hz using acoustic calibrator. Rel. gain between standards and freq. weighting using electrical signals. Equipment: Acoustic Calibrator: Svantek SV36 #116312 Signal Generator: Keysight 33521B #MY59000555 Traceability: Traceable to national and international standards. Result of Measurement: Results are within specification limits.	Cal 95552	6/6/2022	Ottawa, Canada	1 / 1		
Device under Test: INFRA S50 Sound Level Meter SN: 14167 Software Version: 1.8.1 Date of Calibration: 6/6/2022 Ambient Conditions: 23° C ± 2° C (73.4° F ± 3.6° F) Method of Measurement: Absolute gain at 94 dBA / 1000 Hz using acoustic calibrator. Rel. gain between standards and freq. weighting using electrical signals. Equipment: Acoustic Calibrator: Svantek SV36 #116312 Signal Generator: Keysight 33521B #MY59000555 Traceability: Traceable to national and international standards. Result of Measurement: Results are within specification limits.						
SN:14167 Software Version:Date of Calibration:6/6/2022Ambient Conditions:23° C ± 2° C (73.4° F ± 3.6° F)Method of Measurement:Absolute gain at 94 dBA / 1000 Hz using acoustic calibrator. Rel. gain between standards and freq. weighting using electrical signals.Equipment:Acoustic Calibrator: Svantek SV36 #116312 Signal Generator: Keysight 33521B #MY59000555Traceability:Traceable to national and international standards.Result of Measurement:Results are within specification limits.	Customer:	Stantec (Mississauga)				
Software Version:1.8.1Date of Calibration:6/6/2022Ambient Conditions:23° C ± 2° C (73.4° F ± 3.6° F)Method of Measurement:Absolute gain at 94 dBA / 1000 Hz using acoustic calibrator. Rel. gain between standards and freq. weighting using electrical signals.Equipment:Acoustic Calibrator: Svantek SV36 #116312 Signal Generator: Keysight 33521B #MY59000555Traceability:Traceable to national and international standards.Result of Measurement:Results are within specification limits.	Device under Test:	INFRA S50 Sound Level Meter				
Date of Calibration:6/6/2022Ambient Conditions:23° C ± 2° C (73.4° F ± 3.6° F)Method of Measurement:Absolute gain at 94 dBA / 1000 Hz using acoustic calibrator. Rel. gain between standards and freq. weighting using electrical signals.Equipment:Acoustic Calibrator: Svantek SV36 #116312 Signal Generator: Keysight 33521B #MY59000555Traceability:Traceable to national and international standards.Result of Measurement:Results are within specification limits.						
Ambient Conditions: 23° C ± 2° C (73.4° F ± 3.6° F)Method of Measurement:Absolute gain at 94 dBA / 1000 Hz using acoustic calibrator. Rel. gain between standards and freq. weighting using electrical signals.Equipment:Acoustic Calibrator: Svantek SV36 #116312 Signal Generator: Keysight 33521B #MY59000555Traceability:Traceable to national and international standards.Result of Measurement:Results are within specification limits.		Software Version: 1.8.	1			
Method of Measurement:Absolute gain at 94 dBA / 1000 Hz using acoustic calibrator. Rel. gain between standards and freq. weighting using electrical signals.Equipment:Acoustic Calibrator: Svantek SV36 #116312 Signal Generator: Keysight 33521B #MY59000555Traceability:Traceable to national and international standards.Result of Measurement:Results are within specification limits.	Date of Calibration:	6/6/2022				
Rel. gain between standards and freq. weighting using electrical signals. Equipment: Acoustic Calibrator: Svantek SV36 #116312 Signal Generator: Keysight 33521B #MY59000555 Traceability: Traceable to national and international standards. Result of Measurement: Results are within specification limits.	Ambient Conditions:	23°C ± 2°C (73.4°F ± 3.6	° F)			
Equipment: Acoustic Calibrator: Svantek SV36 #116312 Signal Generator: Keysight 33521B #MY59000555 Traceability: Traceable to national and international standards. Result of Measurement: Results are within specification limits.	Method of Measurement:	•				
Signal Generator: Keysight 33521B #MY59000555 Traceability: Traceable to national and international standards. Result of Measurement: Results are within specification limits.		Rei, gain between standards and freq, weighting using electrical signals.				
Traceability: Traceable to national and international standards. Result of Measurement: Results are within specification limits.	Equipment:	Acoustic Calibrator: Svantek S				
Result of Measurement: Results are within specification limits.		Signal Generator: Keysight 33521B #MY59000555				
	Traceability:	Traceable to national and international standards.				
	Result of Measurement:	Results are within specification	limits.			
Recommended Interval of 12 months.						
	Recommended Interval of	12 months.				
Calibration:	Calibration:					
<original by="" signed=""></original>				yinai siyneu by>		
Calibration performed by: Ross Campbell Signature:	Calibration performed by:	Ross Campbell	Signature:			



Document No:	Print Date:	Location of Calibration:	Page No:			
Cal 95553	6/6/2022	Ottawa, Canada	1 / 1			
Customer:	Stantec (Mississauga)					
Device under Test:	INFRA S50 Sound Level Meter	INFRA S50 Sound Level Meter				
	SN: 141					
	Software Version: 1.8	.1				
Date of Calibration:	6/6/2022					
Ambient Conditions:	23°C ± 2°C (73.4°F ± 3.6	°F)				
Method of Measurement:	Absolute gain at 94 dBA / 1000 Hz using acoustic calibrator. Rel. gain between standards and freq. weighting using electrical signals.					
Equipment:	Acoustic Calibrator: Svantek SV36 #116312					
	Signal Generator: Keysight 33	521B #MY59000555				
Traceability:	Traceable to national and international standards.					
Result of Measurement:	Results are within specification limits.					
Recommended Interval of Calibration:	12 months.		riginal signed by			
Calibration performed by:	Ross Campbell	Signature:	riginal signed by>			



Document No:	Print Date:	Location of Calibration:	Page No:			
Cal 91032	1/28/2022	Älvsjö, Sweden	1 / 1			
Customer:	Stantec (Mississauga)					
Device under Test:	INFRA S50 Sound Level Meter	INFRA S50 Sound Level Meter				
	SN: 141					
	Software Version: 1.8	.1				
Date of Calibration:	1/18/2022					
Ambient Conditions:	23°C ± 2°C (73.4°F ± 3.6	° F)				
Method of Measurement:	Absolute gain at 94 dBA / 1000 Hz using acoustic calibrator. Rel. gain between standards and freq. weighting using electrical signals.					
Equipment:	Signal Generator: Keysight 33521B #MY52703206					
	Acoustic Calibrator: Svantek SV30A #29122					
Traceability:	Traceable to national and international standards.					
Result of Measurement:	Results are within specification limits.					
Recommended Interval of	12 months.					
Calibration:		<ori< td=""><td>ginal signed by></td></ori<>	ginal signed by>			
Calibration performed by:	Patrick Jacobsen	Signature:				



Document No:	Print Date:	Location of Calibration:	Page No:									
Cal 90251	12/29/2021	Älvsjö, Sweden	1 / 1									
Customer:	Stantec (Mississauga)											
Device under Test:	INFRA S50 Sound Level Meter											
	SN: 141											
	Software Version: 1.8.	1										
Date of Calibration:	12/6/2021											
Ambient Conditions:	23° C ± 2° C (73.4° F ± 3.6° F)											
Method of Measurement:	Absolute gain at 94 dBA / 1000 Rel. gain between standards a	Hz using acoustic calibrator. nd freq. weighting using electrical	signals.									
Equipment:	Signal Generator: Keysight 335	521B #MY52703206										
	Acoustic Calibrator: Svantek S	V30A #29122										
Traceability:	Traceable to national and inter	national standards.										
Result of Measurement:	Results are within specification	limits.										
Recommended Interval of Calibration:	12 months.											
Calibration performed by:	Patrick Jacobsen	<ori Signature:</ori 	ginal signed by>									



Document No:	Print Date:	Location of Calibration:	Page No:									
Cal 95551	6/6/2022	Ottawa, Canada	1 / 1									
Customer:	Stantec (Mississauga)											
Device under Test:	INFRA S50 Sound Level Meter											
	SN: 141	69										
	Software Version: 1.8	.1										
Date of Calibration:	6/6/2022											
Ambient Conditions:	23° C ± 2° C (73.4° F ± 3.6° F)											
Method of Measurement:	Absolute gain at 94 dBA / 1000	-										
	Rel. gain between standards a	nd freq. weighting using electrica	l signals.									
Equipment:	Acoustic Calibrator: Svantek S	V36 #116312										
	Signal Generator: Keysight 33	521B #MY59000555										
Traceability:	Traceable to national and inter	national standards.										
Result of Measurement:	Results are within specification	limits.										
Recommended Interval of	12 months.											
Calibration:		<oric< th=""><th>jinal signed by></th></oric<>	jinal signed by>									
Calibration performed by:	Ross Campbell	Signature:	0									

Sh 14188



Vaisala is ISO 9001, ISO 14001 and AQAP 2110 certified company.

CALIBRATION CERTIFICATE

This Certificate may only be reproduced in full, except with the prior written permission by the issuing Laboratory.

Certificate Number: HEL214210284



Instrument: P Serial Number: T Manufacturer: V Issue Date: 2

PTUMODULE T4120224 Vaisala Oyj 2021-10-18 Approved by:

I have

Digitally signed by TEMAL2 Date: 2021.10.18 12:35:17 +03:00 Reason: Calibration responsible Location: Vaisala Oyj, Finland

The humidity sensor of the instrument was calibrated by comparing the instrument's humidity reading to a generated reference humidity reading. The reference humidity reading was calculated based on two-pressure humidity generation principle, using the measurement results of saturator pressure and temperature and calibration chamber pressure and temperature.

The temperature sensor of the instrument was calibrated by comparing the instrument's temperature readings to a reference thermometer. The pressure sensor of the instrument was calibrated by comparing the instrument's pressure readings to a reference barometer.

The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k = 2, which for a normal distribution corresponds to a coverage probability of approximately 95 %. The measurement results are traceable to the international system of units (SI) through national metrology institutes (NIST USA, MIKES Finland, or equivalent) or via ISO/IEC 17025 accredited calibration laboratories.

Humidity and temperature calibration results, calibration date 2021-10-13

Reference Humidity [%rh]	Reference Temperature [°C]	Observed Humidity [%rh]	Observed Temperature [°C]	Humidity Error	Acceptance Limit
0.0	22.21	0.0	22.19	0.0	±3.0
15.0	22.22	14.8	22.21	-0.2	±3.0
33.0	22.22	32.9	22.22	-0.1	±3.0
54.1	22.22	54.0	22.23	-0.1	±3.0
75.0	22.23	75.0	22.23	0.0	±3.0
95.2	22.23	96.3	22.23	1.1	±5.0

Reference	Observed	Temperature	Acceptance Limit
Temperature	Temperature	Error	
[°C]	[°C]	[°C]	[°C]
22.23	22.23	0.00	±0.30

Ambient conditions in humidity and temperature calibrationHumidity [%rh]Temperature [°C]Pressure [hPa]32 ±423 ±21005 ±20

Reference equipment used in Humidity and temperature calibration

Туре	Identity Number	Certificate Number	Calibration date	Calibration due date
PTU307	17050	K008-E00487	2021-02-09	2022-02-28
PXI Pt-100 sensor	17007	K008-D04418	2020-12-03	2021-12-31
DPS823B	19385	K008-D03720	2020-10-12	2021-10-31
PXI Pt-100 sensor	16998	K008-D04417	2020-12-03	2021-12-31
PXI-4070	17090	D04415	2020-12-04	2021-12-31

Pressure calibration results, calibration date 2021-10-12

Reference Pressure [hPa]	Observed Pressure [hPa]	Pressure Error	Acceptance limi		
601.1	601.1	0.0			
801.2	801.2	0.0	±0.5		
900.9	900.9	0.0	±0.5		
1080.0	1080.0	0.0	±0.5		

Reference equipment used in pressure calibration

Туре	Identity Number	Certificate Number	Calibration date	Calibration due date
Fluke RPM4	20114	E02795	2021-06-16	2021-12

Calibration uncertainty (k=2, ~95% confidence level):

 Humidity
 ±0.6 %rh @ 0...40 %rh, ±1.0 %rh @ 40...95 %rh

 Temperature
 ±0.10 °C

 Pressure
 ±0.3 hPa

Vaisala Oyj | PO Box 26, Fl-00421 Helsinki, Finland Phone +358 9 894 91 | Fax +358 9 8949 2227 Email helpdesk@vaisala.com | www.vaisala.com Domicile Vantaa, Finland | VAT Fl01244162 | Business ID 0124416-2



Test report no. HEL214210282

TEST REPORT

Product family	WXT530 series
Product type	WXT536
Order code	6B1B2A1D1B1B
Serial number	T4210627
Manufacturer	Vaisala Oyj, Finland
Test date	18 October 2021

This test report certifies that the product was thoroughly tested and inspected, and found to meet its published test limits when it was shipped from Vaisala.

Test results

Test	Result	Lower limit	Upper limit	Unit
Rain response	374	345	575	mV
Zero wind speed	0	0	0.4	m/s
Pressure difference	0.12	-1	1	hPa
Temperature difference	0.02	-2	2	°C
Humidity difference	-0.02	-10	10	%RH
Heating current	0.74	0.6	0.8	A
Current (service port)	4.32	0.5	6	mA
Communication (service port)	pass	PASS	PASS	-
Current (main port)	3.75	0.5	6	mA
Communication (main port)	pass	PASS	PASS	-

Ambient conditions / Humidity 22.18 ±5 %RH, Temperature 23.32 ±1 °C, Pressure 1007.02 ±1 hPa.

Signature < Original signed by>

Technician

Vaisala Oyj | PO Box 26, Fl-00421 Helsinki, Finland Phone +358 9 894 91 | Fax +358 9 8949 2227 Email helpdesk@vaisala.com | www.vaisala.com CN Milton Logistics Hub: 2022 Construction Acoustic Environment Follow-up Program Results Appendix D Noise Monitoring Data and Summary Tables March 30, 2023

Appendix D Noise Monitoring Data and Summary Tables

				a not collecter a excluded fro				umulation	means dat	a discarded f	rom analysis	due to noise cor	tamination durin	ng equipment mai	ntenance	
Time	Week	M01	M02	M03	M04	M05	M06	M07	M08	M09	M10	Wind Speed (km/h)	Wind Direction (Deg)	Precipitation (mm)	Temperature (Deg C)	Inclement Weather (True/False)
Jan-24-22 07:00	1	45	45	43	41	52	44	51	56	52	-	3	320	0.0	-13	TRUE
Jan-24-22 08:00	1	55	48	54	46	54	48	52	57	53	-	1	0	0.0	-12	TRUE
Jan-24-22 09:00	1	55	70	71	54	52	52	54	60	56	-	2	40	0.0	-10	TRUE
Jan-24-22 10:00	1	46	60	58	45	53	50	49	53	53	-	5	110	0.0	-9	TRUE
Jan-24-22 11:00	1	50	65	67	53	52	50	51	55	54	-	6	80	0.0	-8	TRUE
Jan-24-22 12:00	1	61	65	67	50	52	53	50	57	52	-	3	70	0.3	-7	FALSE
Jan-24-22 13:00	1	48	64	67	53	54	53	49	56	54	-	8	210	0.3	-5	FALSE
Jan-24-22 14:00	1	44	45	49	46	54	54	48	52	54	-	12	220	0.0	-6	TRUE
Jan-24-22 15:00	1	58	46	61	49	53	49	51	55	54	-	6	200	0.4	-6	FALSE
Jan-24-22 16:00	1	52	67	64	49	54	47	48	52	53	-	4	190	0.2	-6	FALSE
Jan-24-22 17:00	1	46	64	64	50	52	46	46	51	51	-	1	140	0.2	-6	FALSE
Jan-24-22 18:00	1	46	55	54	45	49	41	44	47	49	_	3	80	0.6	-6	FALSE
Jan-24-22 19:00	1	42	40	44	45	50	40	44	44	53	-	3	50	0.2	-6	FALSE
Jan-24-22 20:00	1	50	67	69	52	51	49	50	54	55	_	2	50	0.0	-7	TRUE
Jan-24-22 21:00	1	46	60	59	45	51	48	47	52	51	-	2	340	0.0	-6	TRUE
Jan-24-22 22:00	1	44	41	40	38	49	37	42	42	46	-	2	270	0.0	-6	TRUE
Jan-24-22 23:00	1	41	41	40	37	47	35	40	41	46	-	6	270	0.0	-5	TRUE
Jan-25-22 00:00	1	41	39	41	37	45	37	40	43	44	-	6	260	0.0	-6	TRUE
Jan-25-22 01:00	1	43	63	58	43	44	44	42	54	43	-	7	260	0.0	-6	TRUE
Jan-25-22 02:00	1	42	56	58	43	41	42	41	49	41	-	5	260	0.0	-7	TRUE
Jan-25-22 03:00	1	50	64	64	47	44	51	45	59	46	-	7	260	0.0	-6	TRUE
Jan-25-22 04:00	1	38	40	37	42	43	39	41	48	42	-	8	290	0.0	-6	TRUE
Jan-25-22 05:00	1	40	36	42	39	48	38	42	44	47	_	8	280	0.0	-6	TRUE
Jan-25-22 06:00	1	44	40	44	41	52	36	47	52	51	-	7	280	0.0	-7	TRUE
Jan-25-22 07:00	1	46	43	46	44	55	40	50	55	53	-	7	280	0.0	-7	FALSE
Jan-25-22 08:00	1	53	68	66	52	56	52	54	59	55	_	5	280	0.0	-7	FALSE
Jan-25-22 09:00	1	44	44	49	46	53	44	51	54	53	-	5	290	0.0	-7	FALSE
Jan-25-22 10:00	1	51	66	64	46	51	46	49	56	52	56	11	290	0.0	-5	FALSE
Jan-25-22 11:00	1	51	44	47	43	50	43	52	51	48	56	10	310	0.0	-6	FALSE
Jan-25-22 12:00	1	53	66	65	48	51	47	54	57	53	57	13	300	0.0	-6	FALSE
Jan-25-22 13:00	1	51	43	46	42	57	41	50	52	52	57	10	300	0.0	-6	FALSE
Jan-25-22 14:00	1	59	59	58	46	55	51	70	59	55	58	15	300	0.0	-6	FALSE
Jan-25-22 15:00	1	58	65	62	48	54	45	55	55	53	57	11	310	0.0	-7	FALSE
Jan-25-22 16:00	1	51	51	49	47	56	47	52	57	53	58	8	290	0.0	-8	FALSE
Jan-25-22 17:00	1	54	67	65	46	55	50	53	60	54	58	7	300	0.0	-9	FALSE
Jan-25-22 18:00	1	49	64	64	46	55	44	51	55	54	57	6	300	0.0	-10	FALSE
Jan-25-22 19:00	1	50	64	63	46	55	45	53	58	56	57	2	220	0.0	-13	FALSE
Jan-25-22 20:00	1	53	68	67	47	55	49	56	60	59	58	5	280	0.0	-12	FALSE
Jan-25-22 21:00	1	51	69	69	46	53	48	60	60	62	57	4	290	0.0	-11	FALSE
Jan-25-22 22:00	1	48	63	62	38	49	43	49	53	52	51	3	300	0.0	-12	FALSE
Jan-25-22 23:00	1	51	66	66	54	47	54	53	62	57	53	0	0	0.0	-12	FALSE
Jan-26-22 00:00	1	45	64	64	50		46	45	51	50	46	3	300	0.0	-12	FALSE
Jan-26-22 01:00	1	42	43	46	43	-	37	42	45	46	44	2	290	0.0	-12	FALSE
Jan-26-22 02:00	1	47	65	65	53	-	50	51	57	54	52	2	350	0.0	-12	FALSE
Jan-26-22 03:00	1	51	67	68	42	_	43	54	56	56	52	2	310	0.0	-13	FALSE
Jan-26-22 04:00	1	50	69	68	44		45	55	57	58	52	1	0	0.0	-14	FALSE
Jan-20-22 04.00	1	50	03	00	144		40	55	57	100	J ³²	'	<u>۷</u>	0.0	-14	I ALSE

				means data not collected due to equipment battery failure means data discarded from analysis due to noise contamination during equipment maintenance means data excluded from analysis due to suspected ice accumulation												
Time	Week	M01	M02	M03	M04	M05	M06	M07	M08	M09	M10	Wind Speed (km/h)	Wind Direction (Deg)	Precipitation (mm)	Temperature (Deg C)	Inclement Weather (True/False)
Jan-26-22 05:00	1	48	66	66	46	-	46	57	59	59	59	2	100	0.0	-15	FALSE
Jan-26-22 06:00	1	55	70	70	48	-	48	56	59	59	58	2	340	0.0	-14	FALSE
Jan-26-22 07:00	1	48	43	46	45	56	45	53	59	55	59	1	0	0.0	-15	FALSE
Jan-26-22 08:00	1	53	45	44	45	52	44	50	58	53	57	1	360	0.2	-14	FALSE
Jan-26-22 09:00	1	52	42	43	42	48	42	49	53	52	54	3	10	0.0	-12	FALSE
Jan-26-22 10:00	1	41	40	43	42	51	42	46	51	47	53	2	250	0.0	-11	FALSE
Jan-26-22 11:00	1	51	65	66	42	50	45	50	55	52	53	6	130	0.0	-12	FALSE
Jan-26-22 12:00	1	45	50	46	43	50	45	50	54	50	53	3	150	0.0	-9	FALSE
Jan-26-22 13:00	1	52	64	66	43	49	40	48	54	49	53	4	200	0.0	-7	FALSE
Jan-26-22 14:00	1	49	64	63	44	52	43	50	56	50	53	3	240	0.0	-6	FALSE
Jan-26-22 15:00	1	69	42	44	43	54	43	51	56	53	55	6	190	0.0	-6	FALSE
Jan-26-22 16:00	1	48	63	65	50	54	52	56	60	54	59	8	220	0.0	-7	FALSE
Jan-26-22 17:00	1	47	46	45	45	55	45	51	56	56	57	7	250	0.0	-8	FALSE
Jan-26-22 18:00	1	51	69	69	52	55	51	52	58	55	56	3	240	0.0	-10	FALSE
Jan-26-22 19:00	1	50	66	66	52	53	49	53	58	55	56	4	260	0.0	-11	FALSE
Jan-26-22 20:00	1	48	64	65	49	51	47	46	55	50	55	5	260	0.0	-11	FALSE
Jan-26-22 21:00	1	46	60	62	44	51	42	45	52	49	53	6	270	0.0	-12	FALSE
Jan-26-22 22:00	1	41	39	35	36	50	33	44	49	50	51	3	280	0.0	-12	FALSE
Jan-26-22 23:00	1	36	38	32	50	46	33	43	47	48	49	7	270	0.0	-11	FALSE
Jan-27-22 00:00	1	34	37	64	48	48	53	49	60	52	49	5	280	0.0	-11	FALSE
Jan-27-22 01:00	1	48	66	63	46	42	30	38	41	42	43	2	250	0.0	-11	FALSE
Jan-27-22 02:00	1	32	29	28	36	39	30	34	37	39	41	8	220	0.0	-8	FALSE
Jan-27-22 03:00	1	42	49	44	38	41	31	35	39	39	45	8	220	0.0	-9	FALSE
Jan-27-22 04:00	1	47	66	68	55	43	51	51	59	55	48	7	310	0.0	-11	FALSE
Jan-27-22 05:00	1	44	37	37	37	50	36	44	48	50	51	5	260	0.0	-11	FALSE
Jan-27-22 06:00	1	44	42	43	42	53	39	48	52	53	54	5	250	0.0	-10	FALSE
Jan-27-22 07:00	1	49	47	47	48	56	43	52	58	56	57	2	137	0.0	-12	FALSE
Jan-27-22 08:00	1	51	66	67	54	54	52	54	60	57	57	5	132	0.0	-9	FALSE
Jan-27-22 09:00	1	48	48	47	51	53	46	49	54	53	55	8	102	0.0	-8	FALSE
Jan-27-22 10:00	1	52	67	70	58	53	55	55	64	54	58	7	141	0.0	-6	FALSE
Jan-27-22 11:00	1	57	63	65	61	53	52	50	60	54	57	9	141	0.0	-5	FALSE
Jan-27-22 12:00	1	47	51	50	51	53	49	72	62	53	57	8	143	0.0	-5	FALSE
Jan-27-22 13:00	1	51	66	68	57	69	53	72	62	54	56	8	140	0.0	-4	FALSE
Jan-27-22 14:00	1	55	69	72	60	53	56	57	64	55	57	9	143	0.0	-4	FALSE
Jan-27-22 15:00	1	58	64	66	52	54	50	61	60	55	58	6	140	0.0	-4	FALSE
Jan-27-22 16:00	1	50	60	62	51	55	48	57	58	56	59	6	154	0.0	-4	FALSE
Jan-27-22 10:00	1	49	65	68	54	55	52	54	61	54	59	6	163	0.0	-4	FALSE
Jan-27-22 17:00	1	49	44	51	40	53	41	48	54	52	56	4	163	0.0	-4 -5	FALSE
Jan-27-22 19:00	1	44	61	63	50	52	41	40	55	52	56	4	161	0.0	-5	FALSE
Jan-27-22 19:00	1	40	63	67	53	51	40	47	55	50	54	4	159	0.0	-5	FALSE
Jan-27-22 20:00	1	47	41	41	38	52	49	45	47	50	55	5	161	0.0	-5	FALSE
Jan-27-22 21:00	1	41	41	41	38	49	40	45 44	47	49	53	5	169	0.0	-5 -5	FALSE
Jan-27-22 22:00	1	41	40 68	67	51	49	40 50	44	55	49	48	2	205	0.0	-5	FALSE
Jan-28-22 00:00	1	48	33	34	37	45	39	45 39	41	46	50	5	205	0.0	-5	FALSE
Jan-28-22 00:00	1	35	33	42	40	43	39	39	41	40	48	5 11	225	0.0	-4	FALSE
	1	35 52			40					42 54	48 54		245	0.0		
Jan-28-22 02:00	1	52	65	66	42	48	46	54	56	134	194	16	200	0.0	-6	FALSE

						ipment batter	-		means data discarded from analysis due to noise contamination during equipment maintenance							
Time	Week	M01	means data	M03	om analysis o M04	due to suspec	M06	mulation M07	M08	M09	M10	Wind Speed (km/h)	Wind Direction (Deg)	Precipitation (mm)	Temperature (Deg C)	Inclement Weather (True/False)
Jan-28-22 03:00	1	50	66	63	39	49	44	53	53	52	53	18	281	0.0	-8	FALSE
Jan-28-22 04:00	1	52	69	69	40	54	43	57	51	57	52	16	284	0.0	-10	FALSE
Jan-28-22 05:00	1	42	37	44	41	46	37	44	48	46	51	15	280	0.0	-12	FALSE
Jan-28-22 06:00	1	44	39	46	43	49	40	45	51	47	54	15	286	0.0	-14	FALSE
Jan-28-22 07:00	1	53	66	67	47	53	45	58	58	57	59	16	283	0.0	-16	FALSE
Jan-28-22 08:00	1	53	68	67	48	55	45	58	57	57	58	18	274	0.0	-17	FALSE
Jan-28-22 09:00	1	55	68	68	46	53	46	59	59	58	60	18	282	0.0	-17	FALSE
Jan-28-22 10:00	1	55	69	69	45	53	44	57	55	56	56	15	285	0.0	-16	FALSE
Jan-28-22 11:00	1	47	45	47	45	52	43	54	54	55	60	14	285	0.0	-15	FALSE
Jan-28-22 12:00	1	51	63	67	45	51	42	67	57	54	54	17	284	0.0	-14	FALSE
Jan-28-22 13:00	1	50	67	65	46	52	43	70	54	55	54	17	285	0.0	-14	FALSE
Jan-28-22 14:00	1	51	67	67	49	54	49	62	58	55	56	16	286	0.0	-14	FALSE
Jan-28-22 15:00	1	44	43	47	46	52	41	65	56	50	55	16	283	0.0	-14	FALSE
Jan-28-22 16:00	1	53	70	69	46	54	42	61	59	57	57	13	283	0.0	-15	FALSE
Jan-28-22 17:00	1	47	60	60	48	55	43	54	58	54	58	6	280	0.0	-17	FALSE
Jan-28-22 18:00	1	50	65	64	46	52	42	48	55	50	56	6	259	0.0	-18	FALSE
Jan-28-22 19:00	1	44	46	56	44	51	43	54	55	55	56	6	254	0.0	-18	FALSE
Jan-28-22 20:00	1	53	70	70	45	53	44	57	56	58	57	6	263	0.0	-19	FALSE
Jan-28-22 21:00	1	52	64	64	43	50	40	48	52	50	55	5	249	0.0	-19	FALSE
Jan-28-22 22:00	1	47	39	39	39	47	34	41	46	46	53	5	251	0.0	-19	FALSE
Jan-28-22 23:00	1	44	38	37	38	48	35	42	46	45	52	4	241	0.0	-19	FALSE
Jan-29-22 00:00	1	56	70	70	44	50	46	42 56	58	56	57	5	247	0.0	-19	FALSE
Jan-29-22 00:00	1	48	65	65	46	49	40	55	52	56	51	6	260	0.0	-20	TRUE
Jan-29-22 01:00	1	32	33	31	31	43	32	35	42	42	49	6	258	0.0	-20	TRUE
Jan-29-22 02:00	1	32	32	31	31	39	32	34	38	37	44	8	268	0.0	-21	TRUE
Jan-29-22 03:00	1	33	32	32	31	39	30	35	42	37	43	8	200	0.0	-21	TRUE
	1	37	33	32	33	44	30	38	42	43	50	6	237	0.0	-21	TRUE
Jan-29-22 05:00	1		35	34	38	44	30 34	42	42			0	239	0.0	-21	TRUE
Jan-29-22 06:00	2	35		70		53				45	52	4			-22	
Jan-31-22 07:00	2	50	69 46	47	57 47		53 45	52 51	59 57	52	56	2	135	0.0	-8	FALSE
Jan-31-22 08:00	2	48				54				52	58	-	148			FALSE
Jan-31-22 09:00	2	54	44	46	45	52	45	50	54	51	56	2	175	0.0	-5	FALSE
Jan-31-22 10:00	2	50	64	66	50	51	51	52	59	55	54	4	145	0.0	-3	FALSE
Jan-31-22 11:00	2	46	59	64	49	52	46	49	52	51	55	4	142	0.0	-2	FALSE
Jan-31-22 12:00	2	42	41	43	39	51	42	48	53	52	53	4	141	0.0	-1	FALSE
Jan-31-22 13:00	2	51	68	69	48	51	47	65	58	51	55	4	132	0.0	-1	FALSE
Jan-31-22 14:00	2	56	64	65	48	54	49	62	58	55	56	5	123	0.0	-1	FALSE
Jan-31-22 15:00	2	67	68	70	51	55	48	54	51	55	57	6	93	0.0	-1	FALSE
Jan-31-22 16:00	2	61	46	44	45	55	44	53	52	55	57	6	81	0.0	-2	FALSE
Jan-31-22 17:00	2	48	47	46	48	55	48	55	53	56	58	3	63	0.0	-5	FALSE
Jan-31-22 18:00	2	51	65	67	49	54	43	53	51	55	57	1	56	0.0	-7	FALSE
Jan-31-22 19:00	2	53	67	70	53	57	49	61	55	63	59	1	187	0.0	-11	FALSE
Jan-31-22 20:00	2	52	64	68	51	56	48	61	56	61	59	1	214	0.0	-14	FALSE
Jan-31-22 21:00	2	45	42	42	45	55	45	55	50	56	57	1	200	0.0	-15	FALSE
Jan-31-22 22:00	2	44	45	39	41	52	38	49	45	51	54	1	222	0.0	-16	FALSE
Jan-31-22 23:00	2	44	42	37	38	49	35	46	43	48	52	1	231	0.0	-17	FALSE
Feb-01-22 00:00	2	38	39	64	46	50	47	57	55	57	59	1	220	0.0	-17	FALSE

						ipment batter	ry failure cted ice accu	mulation	means data	a discarded f	rom analysis	due to noise con	tamination durin	g equipment mai	ntenance	
Time	Week	M01	M02	M03	M04	M05	M06	M07	M08	M09	M10	Wind Speed (km/h)	Wind Direction (Deg)	Precipitation (mm)	Temperature (Deg C)	Inclement Weather (True/False)
Feb-01-22 01:00	2	56	68	69	48	46	48	60	57	60	54	1	96	0.0	-17	FALSE
Feb-01-22 02:00	2	37	60	67	51	53	51	60	57	60	59	1	211	0.0	-18	FALSE
Feb-01-22 03:00	2	53	64	65	46	45	33	41	38	45	48	1	231	0.0	-18	FALSE
Feb-01-22 04:00	2	56	68	71	56	58	54	64	59	64	57	1	195	0.0	-17	FALSE
Feb-01-22 05:00	2	43	41	43	43	51	41	48	44	52	54	1	155	0.0	-17	FALSE
Feb-01-22 06:00	2	46	45	49	48	54	45	52	50	55	57	1	258	0.0	-16	FALSE
Feb-01-22 07:00	2	54	63	65	54	57	55	61	61	64	62	1	109	0.0	-16	FALSE
Feb-01-22 08:00	2	51	50	50	53	57	48	56	54	57	60	1	222	0.0	-13	FALSE
Feb-01-22 09:00	2	49	50	50	51	55	51	53	52	55	56	2	252	0.0	-7	FALSE
Feb-01-22 10:00	2	54	67	71	55	54	51	56	55	58	57	9	90	0.0	-2	FALSE
Feb-01-22 11:00	2	60	64	69	52	53	50	56	54	56	58	10	86	0.0	-1	FALSE
Feb-01-22 12:00	2	56	66	70	51	53	48	55	52	56	58	9	80	0.0	0	FALSE
Feb-01-22 13:00	2	53	66	70	54	53	49	53	54	55	56	9	92	0.0	3	FALSE
Feb-01-22 14:00	2	49	47	62	49	53	50	54	53	55	57	9	91	0.0	3	FALSE
Feb-01-22 15:00	2	71	63	66	51	55	49	56	53	56	57	7	76	0.0	2	FALSE
Feb-01-22 16:00	2	53	65	68	52	56	50	56	54	57	57	4	67	0.0	1	FALSE
Feb-01-22 17:00	2	51	62	66	51	56	50	57	54	57	58	1	83	0.0	-1	FALSE
Feb-01-22 18:00	2	50	46	44	47	55	47	52	50	55	58	1	194	0.0	-3	FALSE
Feb-01-22 19:00	2	53	65	69	52	55	52	59	59	60	56	2	120	0.0	-3	FALSE
Feb-01-22 20:00	2	48	60	65	50	52	48	51	50	54	54	4	171	0.0	1	FALSE
Feb-01-22 21:00	2	52	65	69	56	53	52	51	59	54	56	9	137	0.0	5	FALSE
Feb-01-22 22:00	2	45	44	42	40	49	47	46	57	51	57	7	138	0.1	5	TRUE
Feb-01-22 23:00	2	47	61	66	53	47	50	47	53	49	53	5	142	0.0	5	FALSE
Feb-02-22 00:00	2	50	64	69	54	44	53	49	57	48	49	5	142	0.0	5	FALSE
Feb-02-22 01:00	2	52	67	72	58	44	56	52	59	53	51	6	136	0.0	5	FALSE
Feb-02-22 02:00	2	47	58	28	32	39	33	36	34	41	42	3	152	0.0	4	FALSE
Feb-02-22 03:00	2	48	60	65	50	42	47	43	48	44	46	4	135	0.6	4	TRUE
Feb-02-22 04:00	2	51	65	69	55	45	53	49	54	49	50	4	137	0.0	4	FALSE
Feb-02-22 05:00	2	43	37	37	39	50	38	45	40	51	53	5	120	0.8	3	TRUE
Feb-02-22 06:00	2	44	42	45	43	54	42	48	44	53	56	4	116	0.0	3	FALSE
Feb-02-22 00:00	2	49	63	67	54	55	51	53	53	55	59	3	138	0.0	4	FALSE
Feb-02-22 08:00	2	50	48	46	45	55	43	51	47	55	58	2	137	0.0	3	FALSE
Feb-02-22 09:00	2	51	65	69	55	53	53	52	55	56	57	2	132	0.0	4	FALSE
Feb-02-22 10:00	2	50	64	68	53	53	53	54	57	56	57	3	122	0.0	4	FALSE
Feb-02-22 10:00	2	48	46	47	47	54	51	51	47	55	57	4	127	4.9	3	TRUE
Feb-02-22 12:00	2	52	66	70	56	55	55	54	55	57	58	2	174	3.3	2	TRUE
Feb-02-22 12:00	2	57	66	69	55	55	54	49	50	54	58	2	217	0.4	3	TRUE
Feb-02-22 13:00	2	54	65	71	56	56	56	54	54	58	58	3	144	0.9	3	TRUE
Feb-02-22 14:00	2	54	63	67	53	57	56	54 55	54	59	59	2	144	4.8	2	TRUE
Feb-02-22 15:00	2	51	62	67	54	56	58	55	59	58	60	2	142	4.6	2	TRUE
Feb-02-22 16:00	2	53	62	61	49	56	52	54 53	55	56	60	2	265	1.8	1	TRUE
Feb-02-22 17:00	2	53	61	64	49 51	50	48	53	55	50	56	11	205	0.0	0	FALSE
Feb-02-22 18:00	2	49	45	45	48	49	40	46	47	47	52	20	274	0.0	-1	FALSE
Feb-02-22 19:00	2	49 51	45 63	45 68	48	49 51	44	46 55	51	54	52	19	274	0.0	-1	FALSE
Feb-02-22 20:00	2	51	58	59	48	47	47	55 47	45	46	50	19	275	0.0	-2	FALSE
	2	43	40	40	45	47	41	47	45	40	49	19	272	0.0	-2	FALSE
Feb-02-22 22:00	L	43	40	140	⁴²	44	40	42	42	140	149	L1/	210	10.0	-3	FALSE

						ipment batter due to suspe	-	imulation	means data	a discarded f	rom analysis	due to noise con	tamination durir	ng equipment mai	ntenance	
Time	Week	M01	M02	M03	M04	M05	M06	M07	M08	M09	M10	Wind Speed (km/h)	Wind Direction (Deg)	Precipitation (mm)	Temperature (Deg C)	Inclement Weather (True/False)
Feb-02-22 23:00	2	39	38	38	41	40	39	39	41	38	46	14	258	0.0	-3	FALSE
Feb-03-22 00:00	2	50	62	65	24	45	45	52	48	51	51	14	256	0.0	-3	FALSE
Feb-03-22 01:00	2	52	65	68	24	49	47	54	49	54	51	15	255	0.0	-3	FALSE
Feb-03-22 02:00	2	39	36	34	20	40	34	38	36	42	47	14	257	0.0	-4	FALSE
Feb-03-22 03:00	2	50	66	69	37	51	47	54	48	54	50	12	255	0.0	-4	FALSE
Feb-03-22 04:00	2	49	62	65	20	48	43	53	48	53	53	15	275	0.0	-4	FALSE
Feb-03-22 05:00	2	42	42	41	22	47	42	44	46	46	54	18	274	0.0	-4	FALSE
Feb-03-22 06:00	2	54	44	48	23	50	45	45	48	48	55	19	273	0.0	-4	FALSE
Feb-03-22 07:00	2	50	62	64	27	53	50	55	54	55	59	23	276	0.0	-5	TRUE
Feb-03-22 08:00	2	53	49	56	29	52	47	50	50	50	57	21	284	0.0	-5	TRUE
Feb-03-22 09:00	2	56	64	66	40	55	51	55	54	55	57	22	281	0.0	-6	TRUE
Feb-03-22 10:00	2	52	62	65	36	53	51	59	54	54	57	22	277	0.0	-6	TRUE
Feb-03-22 11:00	2	54	65	66	27	53	57	61	55	53	54	19	287	0.0	-7	FALSE
Feb-03-22 12:00	2	51	62	64	30	51	52	65	50	54	55	17	286	0.0	-7	FALSE
Feb-03-22 13:00	2	61	63	64	28	52	49	66	49	55	54	19	287	0.0	-8	FALSE
Feb-03-22 14:00	2	52	60	63	29	50	46	64	49	52	55	19	291	0.0	-8	FALSE
Feb-03-22 15:00	2	48	48	50	30	50	52	57	53	51	55	18	291	0.0	-8	FALSE
Feb-03-22 16:00	2	55	68	68	32	54	50	59	51	59	56	21	291	0.0	-9	TRUE
Feb-03-22 17:00	2	51	60	61	29	51	46	51	50	51	55	20	290	0.0	-10	FALSE
Feb-03-22 18:00	2	48	48	47	28	47	45	46	47	46	50	17	288	0.0	-10	FALSE
Feb-03-22 19:00	2	50	54	55	26	46	43	48	45	47	48	15	286	0.0	-10	FALSE
Feb-03-22 20:00	2	48	48	49	28	49	46	49	49	47	51	18	286	0.0	-10	FALSE
Feb-03-22 21:00	2	45	44	45	24	49	43	46	46	43	51	21	291	0.0	-10	TRUE
Feb-03-22 22:00	2	51	65	67	25	49	43	52	47	51	51	19	292	0.0	-10	FALSE
Feb-03-22 23:00	2	53	66	67	27	51	45	56	50	56	54	18	291	0.0	-10	FALSE
Feb-04-22 00:00	2	38	39	44	24	46	41	44	44	40	49	19	290	0.0	-11	FALSE
Feb-04-22 01:00	2	42	42	42	21	46	43	44	45	40	49	19	288	0.0	-11	FALSE
Feb-04-22 02:00	2	50	63	66	23	52	44	56	49	55	56	21	287	0.0	-11	TRUE
Feb-04-22 03:00	2	38	39	43	21	46	41	45	44	39	47	20	289	0.0	-11	FALSE
Feb-04-22 04:00	2	35	40	49	22	42	39	42	41	38	45	17	290	0.0	-12	FALSE
Feb-04-22 05:00	2	41	40	47	25	43	40	43	42	41	46	17	290	0.0	-12	FALSE
Feb-04-22 06:00	2	41	41	44	28	44	41	42	40	43	47	17	287	0.0	-12	FALSE
Feb-04-22 07:00	2	44	44	47	29	46	40	44	41	46	50	16	282	0.0	-12	FALSE
Feb-04-22 07:00	2	55	47	48	29	40	40	46	41	48	53	18	279	0.0	-13	FALSE
Feb-04-22 09:00	2	50	63	66	30	52	44	54	48	54	57	17	273	0.0	-13	FALSE
Feb-04-22 09:00	2	49	57	61	33	50	44	52	45	54	53	16	273	0.0	-13	FALSE
Feb-04-22 10:00	2	60	65	67	28	52	42	56	51	55	56	14	280	0.0	-13	FALSE
Feb-04-22 11:00	2	50	60	63	26	48	40	52	45	52	53	14	275	0.0	-12	FALSE
Feb-04-22 12:00	2	50	66	68	20	40 51	40	56	49	53	54	7	301	0.0	-12	FALSE
Feb-04-22 13:00	2	43	39	41	25	50	40 38	48	49	49	53	5	313	0.0	-10	FALSE
Feb-04-22 14:00	2	43 50	39 65	67	31	50 53	38 44	48 54	41	49 55	56	5	313	0.0	-10	FALSE
	2	50 44			31 29	53 54	44	54 50	48	55	56	3	307	0.0	-10	FALSE
Feb-04-22 16:00	2	44 50	46	46		-	42 43	50 54	46 48			3				-
Feb-04-22 17:00	2		66	68	32	56 55				55	58	2	290	0.0	-11	FALSE
Feb-04-22 18:00	2	50	63	66	31	55	43	55	48	56	56	5	300	0.0	-12	FALSE
Feb-04-22 19:00	2	51	66	69	32	55	44	55	47	57	57		285	0.0	-13	FALSE
Feb-04-22 20:00	2	49	62	65	31	52	44	54	50	57	58	3	239	0.0	-13	FALSE

						ipment batter	-		means data	a discarded f	rom analysis	due to noise con	tamination durir	ng equipment mai	ntenance	
Time	Week	M01	M02	M03	M04	due to suspe		M07	M08	M09	M10	Wind Speed (km/h)	Wind Direction (Deq)	Precipitation (mm)	Temperature (Deg C)	Inclement Weather (True/False)
Feb-04-22 21:00	2	48	43	42	25	51	35	46	41	51	57	3	219	0.0	-14	FALSE
Feb-04-22 22:00	2	49	64	67	32	52	48	48	49	50	54	2	208	0.0	-14	FALSE
Feb-04-22 23:00	2	49	62	66	31	49	47	48	50	50	52	2	202	0.0	-14	FALSE
Feb-05-22 00:00	2	38	39	37	23	47	34	42	39	45	51	1	215	0.0	-16	FALSE
Feb-05-22 01:00	2	42	32	33	23	41	32	38	34	40	45	4	216	0.0	-14	FALSE
Feb-05-22 02:00	2	49	62	66	29	46	47	53	51	51	53	8	240	0.0	-13	FALSE
Feb-05-22 03:00	2	40	54	57	21	42	36	42	38	43	43	2	187	0.0	-13	FALSE
Feb-05-22 04:00	2	33	29	30	24	39	27	35	33	43	47	2	204	0.0	-13	FALSE
Feb-05-22 05:00	2	52	69	71	38	51	53	55	57	53	51	2	227	0.0	-14	FALSE
Feb-05-22 06:00	2	45	60	65	33	48	43	49	47	53	52	3	223	0.0	-15	FALSE
Feb-07-22 07:00	3	48	49	48	48	-	46	53	49	57	57	4	29	0.0	-3	FALSE
Feb-07-22 08:00	3	53	65	70	54	-	54	58	57	60	59	4	27	0.0	-3	FALSE
Feb-07-22 09:00	3	49	60	65	51	-	52	54	55	56	-	4	24	0.0	-1	FALSE
Feb-07-22 10:00	3	56	62	67	52	-	47	53	51	56	_	8	23	0.0	1	FALSE
Feb-07-22 11:00	3	57	46	65	50	-	51	52	55	55	_	13	21	0.0	2	FALSE
Feb-07-22 12:00	3	57	63	63	48	_	41	51	52	53	_	12	22	0.0	3	FALSE
Feb-07-22 13:00	3	47	59	67	52	52	51	49	58	53	_	6	146	0.0	3	FALSE
Feb-07-22 14:00	3	54	63	66	49	56	45	53	48	56	_	6	142	0.0	2	FALSE
Feb-07-22 15:00	3	64	64	72	58	54	57	65	59	56	_	5	142	0.0	2	FALSE
Feb-07-22 16:00	3	49	59	65	51	55	49	52	51	55	_	5	152	0.0	1	FALSE
Feb-07-22 17:00	3	45	51	56	45	54	45	53	48	54	_	3	166	0.0	0	FALSE
Feb-07-22 18:00	3	48	45	45	40	52	39	48	43	51	-	2	172	0.0	-1	FALSE
Feb-07-22 19:00	3	51	65	71	58	52	54	50	55	52	_	2	181	0.0	-1	FALSE
Feb-07-22 20:00	3	46	44	40	38	51	39	47	43	49	_	1	156	0.0	-3	FALSE
Feb-07-22 21:00	3	51	66	71	56	52	57	50	57	51	_	2	164	0.0	-2	FALSE
Feb-07-22 22:00	3	48	61	66	52	49	50	46	50	48	_	1	167	0.0	-4	FALSE
Feb-07-22 23:00	3	52	66	70	57	47	56	51	57	50	_	1	157	0.0	-4	FALSE
Feb-08-22 00:00	3	41	38	34	34	41	33	39	36	41	_	3	165	0.0	-2	FALSE
Feb-08-22 01:00	3	47	61	65	49	43	50	48	51	45	_	1	181	0.0	-3	FALSE
Feb-08-22 02:00	3	32	32	33	33	38	29	35	33	38	_	3	214	0.0	-2	FALSE
Feb-08-22 03:00	3	35	32	38	36	40	33	36	34	39	_	4	220	0.0	-2	FALSE
Feb-08-22 04:00	3	54	67	70	51	50	53	55	55	53	_	2	204	0.0	-3	FALSE
Feb-08-22 05:00	3	48	62	66	50	48	49	49	51	49	_	1	171	0.0	-3	FALSE
Feb-08-22 06:00	3	51	64	69	52	51	53	52	50	52	_	1	179	0.0	-3	FALSE
Feb-08-22 07:00	3	49	45	46	44	54	43	54	47	52	_	2	168	0.0	-3	FALSE
Feb-08-22 08:00	3	51	47	47	48	55	45	53	47	53	_	1	178	0.0	-3	FALSE
Feb-08-22 09:00	3	51	64	70	54	56	51	56	52	55	_	2	185	0.0	-1	FALSE
Feb-08-22 10:00	3	58	61	66	51	52	50	54	52	54	57	3	197	0.0	0	FALSE
Feb-08-22 11:00	3	51	64	71	57	52	53	53	59	54	57	3	196	0.0	1	FALSE
Feb-08-22 12:00	3	46	47	54	45	51	48	48	59	51	57	4	185	0.0	0	FALSE
Feb-08-22 13:00	3	52	44	49	44	54	42	47	44	51	56	3	217	0.0	-2	FALSE
Feb-08-22 14:00	3	49	58	64	50	81	49	50	53	53	58	5	160	0.0	-2	FALSE
Feb-08-22 15:00	3	53	61	68	69	54	52	50	56	54	59	5	167	0.0	-2	FALSE
Feb-08-22 16:00	3	57	66	71	56	54	52	51	54	52	58	4	167	0.0	-3	FALSE
Feb-08-22 17:00	3	54	67	72	58	55	55	51	56	54	58	3	160	0.0	-4	FALSE
Feb-08-22 18:00	3	51	44	42	39	53	43	52	46	54	56	4	150	0.0	-4	FALSE
1 00-00-22 10.00	Ч	51	1 ⁻⁺	74		193 193	173	V2		194		<u>ت</u>	100	0.0		

				a not collecte a excluded fro				mulation	means data	a discarded f	rom analysis	due to noise con	tamination durin	ng equipment mai	ntenance	
Time	Week	M01	M02	M03	M04	M05	M06	M07	M08	M09	M10	Wind Speed (km/h)	Wind Direction (Deg)	Precipitation (mm)	Temperature (Deg C)	Inclement Weather (True/False)
Feb-08-22 19:00	3	53	58	63	50	54	49	52	51	55	56	4	146	0.0	-5	FALSE
Feb-08-22 20:00	3	54	67	71	54	52	55	52	56	54	54	2	128	0.0	-6	FALSE
Feb-08-22 21:00	3	54	43	45	43	53	44	53	47	53	55	1	117	0.0	-8	FALSE
Feb-08-22 22:00	3	53	65	69	52	52	50	55	54	54	53	1	129	0.0	-9	FALSE
Feb-08-22 23:00	3	45	50	66	50	53	52	57	57	57	56	1	202	0.0	-11	FALSE
Feb-09-22 00:00	3	50	64	65	46	45	38	42	49	45	46	1	123	0.0	-13	FALSE
Feb-09-22 01:00	3	51	64	68	49	54	53	59	59	60	57	1	190	0.0	-14	FALSE
Feb-09-22 02:00	3	34	35	33	34	40	35	40	41	40	43	1	106	0.0	-15	FALSE
Feb-09-22 03:00	3	52	66	70	53	53	54	58	61	59	56	1	171	0.0	-15	FALSE
Feb-09-22 04:00	3	43	61	67	52	53	52	57	56	58	56	1	211	0.0	-14	FALSE
Feb-09-22 05:00	3	51	59	42	43	52	42	48	45	51	54	1	199	0.0	-14	FALSE
Feb-09-22 06:00	3	49	46	47	48	54	45	50	48	53	56	1	205	0.0	-13	FALSE
Feb-09-22 07:00	3	57	65	68	58	59	58	61	60	62	62	1	232	0.0	-12	FALSE
Feb-09-22 08:00	3	58	66	69	58	58	56	63	63	65	61	1	235	0.0	-10	FALSE
Feb-09-22 09:00	3	58	63	67	55	56	52	58	58	59	58	2	273	0.0	-5	FALSE
Feb-09-22 10:00	3	52	60	66	52	53	53	50	60	54	55	7	149	0.0	5	FALSE
Feb-09-22 11:00	3	52	61	68	54	53	52	49	61	54	58	7	149	0.0	6	FALSE
Feb-09-22 12:00	3	52	62	67	54	53	50	50	65	54	60	8	150	0.0	6	FALSE
Feb-09-22 13:00	3	54	63	69	57	55	53	50	64	55	57	8	150	0.0	6	FALSE
Feb-09-22 14:00	3	56	62	69	55	55	52	51	62	56	60	8	154	0.0	6	FALSE
Feb-09-22 15:00	3	53	60	68	54	55	52	51	56	56	59	7	150	0.0	6	FALSE
Feb-09-22 15:00	3	50	50	49	47	56	50	51	57	56	59	6	144	0.0	5	FALSE
Feb-09-22 16:00	3	48	48	49	47	56	53	54	54	57	58	4	144	0.0	3	FALSE
Feb-09-22 17:00	3	48	46	40	44	54	45	49	49	54	56	3	144	0.0	4	FALSE
	3	53	46 66	45 69	54	53	45 52	49	49 55	54	55	3	140	0.0	4	FALSE
Feb-09-22 19:00	3		65	71	54	53	52			54 53	55	3			4	
Feb-09-22 20:00	3	52			57		55 52	48 47	58			4	156	0.0	Г ^о	FALSE
Feb-09-22 21:00	•	52	65	69		52			54	52	54		148	0.0	3	FALSE
Feb-09-22 22:00	3	51	61	67	53	50	51	47	57	50	54	5	157	0.0	3	FALSE
Feb-09-22 23:00	3	48	42	66	54	49	53	46	56	49	51	5	153	0.0	3	FALSE
Feb-10-22 00:00	3	46	61	64	45	44	36	38	46	44	47	5	155	0.0	2	FALSE
Feb-10-22 01:00	3	36	36	35	40	43	34	38	41	42	45	4	153	0.0	1	FALSE
Feb-10-22 02:00	3	47	62	68	56	42	53	45	55	45	46	4	152	0.0	1	FALSE
Feb-10-22 03:00	3	35	35	36	40	42	36	36	42	41	45	4	152	0.0	1	FALSE
Feb-10-22 04:00	3	46	61	67	53	44	51	44	54	46	47	4	151	0.0	1	FALSE
Feb-10-22 05:00	3	49	62	70	56	49	52	46	54	49	52	4	154	0.0	1	FALSE
Feb-10-22 06:00	3	45	42	45	40	54	41	47	49	53	56	5	156	0.0	1	FALSE
Feb-10-22 07:00	3	51	64	71	56	57	55	51	59	56	60	5	156	0.0	1	FALSE
Feb-10-22 08:00	3	50	49	52	51	58	49	53	52	58	61	5	157	0.0	1	FALSE
Feb-10-22 09:00	3	51	59	65	52	56	52	52	55	55	60	4	190	0.0	1	FALSE
Feb-10-22 10:00	3	60	62	67	53	55	57	52	59	55	61	4	191	0.0	1	FALSE
Feb-10-22 11:00	3	49	52	63	49	54	56	51	63	54	61	4	182	0.0	2	FALSE
Feb-10-22 12:00	3	53	66	72	58	54	59	53	62	55	61	4	204	0.0	2	FALSE
Feb-10-22 13:00	3	52	65	72	58	54	60	52	61	54	60	3	198	0.0	1	FALSE
Feb-10-22 14:00	3	55	63	68	54	54	55	51	58	54	60	4	192	0.0	1	FALSE
Feb-10-22 15:00	3	60	60	66	51	55	57	51	58	54	59	3	199	0.0	1	FALSE
Feb-10-22 16:00	3	51	63	71	57	55	59	51	58	54	59	3	178	0.0	0	FALSE

						ipment batter	-	mulation	means data	a discarded f	rom analysis	due to noise con	tamination durin	g equipment mai	ntenance	
Time	Week	M01	M02	M03	M04	due to suspe	M06	M07	M08	M09	M10	Wind Speed (km/h)	Wind Direction (Deg)	Precipitation (mm)	Temperature (Deg C)	Inclement Weather (True/False)
Feb-10-22 17:00	3	46	49	56	43	55	51	50	53	54	59	2	176	0.0	0	FALSE
Feb-10-22 18:00	3	51	53	59	46	53	39	46	43	51	56	3	162	0.0	0	FALSE
Feb-10-22 19:00	3	48	44	41	38	51	44	45	46	50	54	4	151	0.0	-1	FALSE
Feb-10-22 20:00	3	46	42	38	36	51	38	45	42	51	53	4	147	0.0	-1	FALSE
Feb-10-22 21:00	3	53	68	73	59	49	55	48	55	49	52	3	150	0.0	-1	FALSE
Feb-10-22 22:00	3	54	67	73	59	48	56	46	56	48	51	3	158	0.0	-1	FALSE
Feb-10-22 23:00	3	38	39	37	35	46	35	40	39	45	48	4	148	0.0	-1	FALSE
Feb-11-22 00:00	3	35	39	44	38	45	41	40	54	46	47	5	141	0.0	-1	FALSE
Feb-11-22 01:00	3	47	60	67	51	43	51	45	61	45	50	5	162	0.0	-1	FALSE
Feb-11-22 02:00	3	47	62	67	53	42	51	44	53	44	45	4	150	0.0	-1	FALSE
Feb-11-22 03:00	3	50	64	70	55	44	53	48	56	47	48	6	135	0.0	-1	FALSE
Feb-11-22 04:00	3	46	60	65	50	45	47	46	51	48	49	6	130	0.0	-1	FALSE
Feb-11-22 05:00	3	43	39	36	40	49	38	43	40	49	50	7	119	0.0	-2	FALSE
Feb-11-22 06:00	3	50	63	68	52	53	51	54	54	55	57	7	112	0.0	-2	FALSE
Feb-11-22 07:00	3	52	65	70	54	55	52	53	56	56	57	7	121	0.0	-1	FALSE
Feb-11-22 08:00	3	49	50	48	49	56	49	53	49	56	58	10	111	0.0	0	FALSE
Feb-11-22 09:00	3	48	51	50	54	55	56	52	60	56	58	10	128	0.0	1	FALSE
Feb-11-22 10:00	3	52	62	67	59	55	59	53	64	58	59	10	136	0.0	2	FALSE
Feb-11-22 11:00	3	54	63	70	56	55	59	51	61	55	57	7	144	0.0	3	FALSE
Feb-11-22 12:00	3	52	62	68	59	56	58	53	67	57	60	9	146	0.0	3	FALSE
Feb-11-22 13:00	3	60	63	71	58	57	59	54	64	58	60	8	147	2.2	3	TRUE
Feb-11-22 14:00	3	54	63	69	54	58	57	55	60	60	61	7	152	3.8	2	TRUE
Feb-11-22 15:00	3	53	52	52	45	59	55	57	58	61	62	6	151	2.5	3	TRUE
Feb-11-22 16:00	3	53	60	68	54	59	58	55	60	61	62	6	151	1.5	2	TRUE
Feb-11-22 17:00	3	51	57	61	48	59	57	53	60	60	62	6	154	1.3	1	TRUE
Feb-11-22 18:00	3	51	50	54	44	57	46	51	57	58	61	6	156	0.4	1	TRUE
Feb-11-22 19:00	3	54	64	70	56	56	53	50	59	56	61	6	159	0.4	1	TRUE
Feb-11-22 20:00	3	53	64	72	61	54	55	49	59	55	59	5	159	0.0	1	FALSE
Feb-11-22 21:00	3	52	65	72	61	53	55	48	59	54	57	5	159	0.0	2	FALSE
Feb-11-22 22:00	3	46	43	42	47	53	41	65	47	56	57	5	156	0.0	2	FALSE
Feb-11-22 23:00	3	46	43	45	41	52	40	45	49	52	55	5	157	0.0	2	FALSE
Feb-12-22 00:00	3	45	40	42	39	49	39	44	48	50	54	5	157	0.0	2	FALSE
Feb-12-22 01:00	3	40	41	44	40	47	41	44	55	48	52	6	156	0.0	2	FALSE
Feb-12-22 02:00	3	41	48	67	53	48	51	47	58	49	52	6	156	0.0	2	FALSE
Feb-12-22 02:00	3	52	66	71	57	44	53	49	59	48	49	5	150	0.0	2	FALSE
Feb-12-22 03:00	3	48	61	57	41	44	38	40	55	45	48	5	151	0.4	2	TRUE
Feb-12-22 05:00	3	52	64	69	56	52	61	54	61	55	58	8	204	0.4	0	TRUE
Feb-12-22 05:00	3	53	64	68	53	50	58	47	59	49	57	6	204	0.0	-2	FALSE
Feb-14-22 07:00	3	52	66	70	45	56	47	55	59	57	60	5	249	0.0	-17	FALSE
Feb-14-22 07:00	4	55	68	70	45	54	45	55	54	56	59	11	249	0.0	-17	FALSE
Feb-14-22 08:00	4	50	63	67	45	52	43	55	49	57	59	12	259	0.0	-16	FALSE
Feb-14-22 09:00	1	55	70	73	45	52	44	54	49 51	55	53	12	270	0.0	-15	FALSE
Feb-14-22 10:00	4	49	63	68	45	50	40	54 52	53	53	55	6	300	0.0	-13	FALSE
Feb-14-22 11:00	1	49	42	45	41	50	42	52 54	48	53	55	4	276	0.0	-12	FALSE
Feb-14-22 12:00 Feb-14-22 13:00	4	46 59	42	45 48	43	J2	44	54 51	+0	53	54 54	4	276 241	0.0	-10	FALSE
	4	59 56	44 66	48 70	42	51	44	51	- 53	1.01	55	9	235	0.0	-10	FALSE
Feb-14-22 14:00	4	00	00	110	40	51	49	51	53	-	55	э	200	0.0	-9	ILALSE

			means data	not collected	d due to equi	pment batter	y failure		means data	a discarded f	rom analysis	due to noise con	tamination durin	g equipment maii	ntenance	
	r	-	means data	excluded fro	om analysis o	lue to suspe	cted ice accu	mulation								
Time	Week	M01	M02	M03	M04	M05	M06	M07	M08	M09	M10	Wind Speed (km/h)	Wind Direction (Deg)	Precipitation (mm)	Temperature (Deg C)	Inclement Weather (True/False)
Feb-14-22 15:00	4	59	65	70	47	53	49	51	51	54	57	7	230	0.0	-10	FALSE
Feb-14-22 16:00	4	51	63	68	47	53	46	51	49	54	57	9	239	0.0	-11	FALSE
Feb-14-22 17:00	4	44	45	46	42	54	42	52	46	53	57	6	239	0.0	-11	FALSE
Feb-14-22 18:00	4	46	58	61	43	52	42	46	45	50	55	4	233	0.0	-12	FALSE
Feb-14-22 19:00	4	51	66	71	54	52	53	50	57	52	55	1	174	0.0	-14	FALSE
Feb-14-22 20:00	4	48	41	37	35	50	34	42	39	47	52	1	166	0.0	-14	FALSE
Feb-14-22 21:00	4	51	65	71	53	50	49	46	47	48	52	1	164	0.0	-12	FALSE
Feb-14-22 22:00	4	51	67	72	56	48	51	45	49	47	51	1	189	0.0	-12	FALSE
Feb-14-22 23:00	4	43	42	40	38	46	37	40	39	44	48	2	169	0.0	-12	FALSE
Feb-15-22 00:00	4	51	67	73	57	44	52	50	54	47	49	2	170	0.0	-13	FALSE
Feb-15-22 01:00	4	48	61	50	37	42	36	39	38	41	44	2	155	0.0	-14	FALSE
Feb-15-22 02:00	4	43	59	64	51	40	47	43	49	44	44	1	167	0.0	-14	FALSE
Feb-15-22 03:00	4	36	31	35	31	41	35	36	39	39	46	2	164	0.0	-13	FALSE
Feb-15-22 04:00	4	50	64	70	53	43	51	45	56	46	49	3	166	0.0	-12	FALSE
Feb-15-22 05:00	4	43	39	43	36	50	40	44	52	49	54	5	163	0.0	-11	FALSE
Feb-15-22 06:00	4	58	63	69	54	53	50	49	53	52	56	4	168	0.0	-10	FALSE
Feb-15-22 07:00	4	46	45	47	44	56	44	51	55	54	59	4	164	0.0	-10	FALSE
Feb-15-22 08:00	4	53	64	69	54	55	51	52	54	54	58	3	166	0.0	-9	FALSE
Feb-15-22 09:00	4	49	45	56	45	55	46	50	51	53	56	3	173	0.0	-6	FALSE
Feb-15-22 10:00	4	44	44	49	42	51	45	48	49	52	55	2	183	0.0	-3	FALSE
Feb-15-22 11:00	4	50	64	70	50	55	49	54	53	54	57	4	198	0.0	-3	FALSE
Feb-15-22 12:00	4	46	41	47	42	52	43	49	49	50	53	3	218	0.0	-3	FALSE
Feb-15-22 13:00	4	53	68	73	50	51	51	52	55	51	54	3	89	0.0	-3	FALSE
Feb-15-22 14:00	4	51	63	69	46	51	44	49	51	49	55	3	139	0.0	-3	FALSE
Feb-15-22 15:00	4	55	69	74	54	53	51	54	56	53	55	4	141	0.0	-3	FALSE
Feb-15-22 16:00	4	50	63	69	51	55	51	53	53	55	57	5	127	0.0	-4	FALSE
Feb-15-22 17:00	4	54	66	71	54	56	52	59	55	58	57	5	107	0.0	-5	FALSE
Feb-15-22 18:00	4	45	46	43	45	54	46	53	51	55	56	5	105	0.0	-6	FALSE
Feb-15-22 19:00	4	55	70	74	59	54	51	56	55	58	56	2	105	0.0	-7	FALSE
Feb-15-22 20:00	4	51	64	68	52	54	49	54	54	55	54	2	93	0.0	-7	FALSE
Feb-15-22 21:00	4	54	68	72	55	55	51	57	54	57	55	3	73	0.0	-7	FALSE
Feb-15-22 22:00	4	49	61	66	48	50	41	43	42	48	50	6	82	0.0	-6	FALSE
Feb-15-22 23:00	4	43	39	36	37	46	37	40	39	45	47	5	78	0.0	-6	FALSE
Feb-16-22 00:00	4	52	64	65	45	45	45	45	43	48	46	2	123	0.0	-7	FALSE
Feb-16-22 01:00	4	38	53	65	50	54	47	55	50	57	49	1	202	0.0	-9	FALSE
Feb-16-22 02:00	4	54	68	72	53	55	51	59	57	61	53	1	196	0.0	-9	FALSE
Feb-16-22 03:00	4	50	64	68	51	54	53	56	56	58	57	1	180	0.0	-9	FALSE
Feb-16-22 04:00	4	36	36	37	38	46	41	42	41	44	47	1	170	0.0	-9	FALSE
Feb-16-22 05:00	4	55	68	71	56	59	54	56	58	59	55	1	179	0.0	-9	FALSE
Feb-16-22 06:00	4	47	45	47	48	54	46	50	49	53	56	1	206	0.0	-9	FALSE
Feb-16-22 07:00	4	56	65	69	56	58	53	60	58	62	58	1	252	0.0	-8	FALSE
Feb-16-22 08:00	4	54	52	50	50	56	48	52	53	55	58	4	168	0.0	-1	FALSE
Feb-16-22 09:00	4	51	49	49	53	54	54	52	66	57	59	9	140	0.0	6	FALSE
Feb-16-22 10:00	4	53	64	70	59	54	55	53	65	57	58	9	141	0.0	7	FALSE
Feb-16-22 11:00	4	55	67	74	62	55	58	55	68	57	58	9	145	0.0	9	FALSE
Feb-16-22 12:00	4	54	63	68	65	56	56	52	68	58	60	12	146	0.0	10	FALSE
rep-10-22 12:00	4	34	03	00	00	00	90	52	00	50	100	12	140	0.0	10	FALSE

			means data	not collecte	d due to equi	pment batter	y failure		means data	discarded fi	rom analysis	due to noise con	tamination durin	g equipment maiı	ntenance	
			means data	excluded from	om analysis o	lue to suspe	cted ice accu	imulation								
Time	Week	M01	M02	M03	M04	M05	M06	M07	M08	M09	M10	Wind Speed (km/h)	Wind Direction (Deg)	Precipitation (mm)	Temperature (Deg C)	Inclement Weather (True/False)
Feb-16-22 13:00	4	54	66	71	65	57	58	54	70	58	61	12	145	0.0	10	FALSE
Feb-16-22 14:00	4	56	67	71	67	58	61	55	72	60	62	13	147	0.0	10	FALSE
Feb-16-22 15:00	4	71	64	69	66	58	59	54	68	58	60	11	148	0.0	9	FALSE
Feb-16-22 16:00	4	52	63	68	55	57	60	54	67	58	60	9	149	0.0	9	FALSE
Feb-16-22 17:00	4	50	56	53	49	57	61	53	65	57	60	8	147	0.0	9	FALSE
Feb-16-22 18:00	4	53	65	70	57	55	58	54	68	57	59	9	145	0.2	8	TRUE
Feb-16-22 19:00	4	55	65	72	59	55	57	53	69	57	59	9	149	0.1	8	TRUE
Feb-16-22 20:00	4	55	68	75	63	55	59	54	70	57	59	9	146	0.2	9	TRUE
Feb-16-22 21:00	4	51	58	53	55	55	52	52	67	57	58	8	150	0.9	8	TRUE
Feb-16-22 22:00	4	52	64	70	58	53	55	51	65	55	58	6	154	0.3	8	TRUE
Feb-16-22 23:00	4	46	46	45	47	52	48	49	64	53	55	6	156	1.2	7	TRUE
Feb-17-22 00:00	4	43	40	39	38	47	40	43	48	49	49	4	162	0.2	7	TRUE
Feb-17-22 01:00	4	51	65	68	55	47	52	48	58	49	49	5	198	1.0	7	TRUE
Feb-17-22 02:00	4	51	64	70	54	56	54	56	59	56	55	2	192	7.2	5	TRUE
Feb-17-22 03:00	4	55	67	69	57	54	57	56	60	56	54	1	184	20.8	4	TRUE
Feb-17-22 04:00	4	56	71	72	66	54	57	55	62	56	55	2	115	24.2	4	TRUE
Feb-17-22 05:00	4	56	68	70	63	56	55	54	57	57	57	3	154	25.4	4	TRUE
Feb-17-22 06:00	4	52	54	50	58	58	52	53	63	59	60	6	145	12.5	6	TRUE
Feb-17-22 07:00	4	57	71	74	68	60	59	57	63	62	61	5	149	6.2	7	TRUE
Feb-17-22 08:00	4	55	58	51	56	60	53	54	54	62	61	4	165	5.7	7	TRUE
Feb-17-22 09:00	4	53	66	68	61	57	56	52	56	59	59	2	143	1.1	6	TRUE
Feb-17-22 10:00	4	55	68	69	59	56	56	56	60	59	59	6	234	0.0	4	FALSE
Feb-17-22 11:00	4	55	68	69	56	54	56	56	56	58	59	14	275	0.0	2	FALSE
Feb-17-22 12:00	4	57	72	73	56	58	53	57	59	59	63	8	273	0.5	2	TRUE
Feb-17-22 13:00	4	49	54	48	54	55	49	50	55	58	62	6	279	0.0	1	FALSE
Feb-17-22 14:00	4	53	65	66	55	55	51	54	58	62	65	9	291	1.9	1	TRUE

					•	ipment batter due to suspe	•	mulation	means data	a discarded f	rom analysis	due to noise con	tamination durin	ng equipment mai	ntenance	
Time	Week	M01	M02	M03	M04	M05	M06	M07	M08	M09	M10	Wind Speed (km/h)	Wind Direction (Deg)	Precipitation (mm)	Temperature (Deg C)	Inclement Weather (True/False)
Feb-17-22 15:00	4	55	68	70	58	57	55	56	58	65	65	15	287	5.4	1	TRUE
Feb-17-22 16:00	4	53	57	53	58	56	55	53	63	62	64	13	288	16.9	0	TRUE
Feb-17-22 17:00	4	53	67	67	56	57	55	56	73	65	56	19	277	16.6	-1	TRUE
Feb-17-22 18:00	4	55	70	71	45	55	49	55	52	63	15	19	270	0.0	-1	FALSE
Feb-17-22 19:00	4	43	49	43	16	48	42	43	17	41	16	17	270	0.0	-2	FALSE
Feb-17-22 20:00	4	52	66	67	16	51	46	53	16	21	16	16	274	0.0	-2	FALSE
Feb-17-22 21:00	4	41	18	45	16	50	43	43	17	21	17	21	267	0.4	-3	TRUE
Feb-17-22 22:00	4	43	18	44	16	54	48	44	18	21	17	24	264	0.2	-3	TRUE
Feb-17-22 23:00	4	45	18	47	16	60	50	48	17	21	16	30	266	0.2	-4	TRUE
Feb-18-22 00:00	4	51	18	65	16	58	52	53	17	21	15	28	264	0.6	-5	TRUE
Feb-18-22 01:00	4	49	18	66	16	52	49	50	18	21	15	22	256	2.5	-6	TRUE
Feb-18-22 02:00	4	52	17	67	15	52	48	47	16	21	14	22	255	0.0	-7	TRUE
Feb-18-22 03:00	4	42	17	42	15	51	47	42	17	21	13	22	254	0.0	-8	TRUE
Feb-18-22 04:00	4	43	17	42	15	47	48	42	16	21	13	17	248	0.0	-8	FALSE
Feb-18-22 05:00	4	52	17	69	15	55	51	50	17	21	14	18	248	0.0	-9	FALSE
Feb-18-22 06:00	4	42	17	39	15	49	41	39	17	22	14	14	244	0.0	-9	FALSE
Feb-18-22 07:00	4	55	17	69	15	49	52	49	17	22	15	6	224	0.0	-11	FALSE
Feb-18-22 08:00	4	45	17	43	15	49	46	45	17	21	15	12	242	0.0	-11	FALSE
Feb-18-22 09:00	4	50	17	65	15	49	46	50	16	21	15	12	242	0.0	-10	FALSE
Feb-18-22 10:00	4	50	17	45	16	52	42	46	16	21	14	14	244	0.0	-9	FALSE
Feb-18-22 11:00	4	47	17	65	15	54	48	50	15	21	14	8	233	0.0	-7	FALSE
Feb-18-22 12:00	4	43	17	66	16	53	50	48	16	21	16	7	225	0.0	-6	FALSE
Feb-18-22 13:00	4	48	17	50	15	53	48	46	16	21	16	4	186	0.0	-5	FALSE
Feb-18-22 14:00	4	47	17	62	15	55	49	54	16	21	16	4	217	0.0	-5	FALSE
Feb-18-22 15:00	4	48	19	68	16	54	52	51	16	21	15	3	204	0.0	-5	FALSE
Feb-18-22 16:00	4	47	18	57	16	55	49	50	16	21	16	5	164	0.0	-6	FALSE
Feb-18-22 17:00	4	60	17	59	15	56	42	48	17	21	14	5	154	0.0	-7	FALSE
Feb-18-22 18:00	4	59	17	68	15	55	46	48	17	21	14	5	143	0.0	-9	FALSE
Feb-18-22 19:00	4	49	17	58	15	55	42	49	17	22	15	6	136	0.0	-9	FALSE
Feb-18-22 20:00	4	49	17	67	15	54	50	48	17	21	14	7	135	0.0	-8	FALSE
Feb-18-22 21:00	4	51	17	61	15	54	54	49	23	21	13	9	135	0.0	-7	FALSE
Feb-18-22 22:00	4	53	18	63	15	54	57	49	30	21	26	10	138	0.0	-6	FALSE
Feb-18-22 23:00	4	52	18	63	16	52	61	52	35	21	17	10	144	0.0	-6	FALSE
Feb-19-22 00:00	4	52	18	70	16	53	58	52	36	21	16	11	148	0.0	-5	FALSE
Feb-19-22 01:00	4	48	18	64	16	50	55	51	24	21	15	10	151	0.0	-5	FALSE
Feb-19-22 02:00	4	47	18	64	16	48	53	50	24	21	16	9	152	0.0	-4	FALSE
Feb-19-22 03:00	4	46	18	62	16	47	52	50	23	21	17	9	153	0.0	-3	FALSE
Feb-19-22 04:00	4	44	18	56	16	49	53	49	24	21	16	9	155	0.0	-3	FALSE
Feb-19-22 05:00	4	48	18	60	16	50	61	56	26	21	17	7	186	0.0	-4	FALSE
Feb-19-22 06:00	4	51	18	61	16	56	67	57	28	21	18	8	212	0.0	-7	FALSE

NOTE:

Inclement weather is considered to have occurred under any of the following conditions:

Wind speed greater than 20 km/hour;

Temperature outside of the operating range defined by the manufacturer of the sound level meter (-20°C to +50°C);

Precipitation has occurred

Monitoring	Co	mbined Tota	al Noise Exp	osure, Ldn	(dBA)	Allowable Combined Total	Exceedance Count			
Location ID	Mon	Tues	Wed	Thu	Fri	Noise Exposure, Ldn (dBA)	Construction- related	Total		
M01	52	57	57	55	59	60	0	0		
M02	66	72	67	70	73	68	0	3		
M03	65	72	68	70	73	77	0	0		
M04	51	55	54	55	49	59	0	0		
M05	54	55	55	56	56	60	0	0		
M06	51	54	52	52	49	56	0	0		
M07	51	62	53	61	62	61	1	2		
M08 ¹	59	64	60	61	61	57	0	5		
M09	54	62	57	58	60	60	0	1		
M10	- ²	61	57	59	61	62	0	0		

Combined Total Noise Exposure, Ldn - Week 1, January 24 to 28, 2022

NOTES:

Exceedances are considered construction-related where construction-like noise has been identified in the sound level meter audio samples and where construction activities within 500 m of the monitoring location have been identified, per the daily works reports (AECOM)

M01 and M02 are >1 km from the limit of Phase 1 Activities

1. M08 was located approximately 135 m closer to the CN rail line and 10 m closer to Lower Baseline Road during this week of monitoring 2. Ldn could not be calculated due to insufficient data collected as a result of equipment battery failure

Monitoring	Co	mbined Tot	al Noise Exp	oosure, Ldn	(dBA)	Allowable Combined Total	Exceedance Count			
Location ID	Mon	Tues	Wed	Thu	Fri	Noise Exposure, Ldn (dBA)	Construction- related	Total		
M01	59	60	56	54	54	60	0	0		
M02	69	69	67	64	68	68	0	2		
M03	72	74	70	66	71	77	0	0		
M04	56	59	49 -	32 -	37 -	59	0	0		
M05	59	56	55	53	54	60	0	0		
M06	54	57	51	51	52	56	0	1		
M07	64	57	57	60	56	61	1	1		
M08 '	61	61	54	52	56	57	1	2		
V109	64	59	57	55	57	60	0	1		
M10	62	59	59	56	58	62	0	0		

Combined Total Noise Exposure, Ldn - Week 2, January 31 to February 4, 2022

NOTES:

Exceedances are considered construction-related where construction-like noise has been identified in the sound level meter audio samples and where construction activities within 500 m of the monitoring location have been identified, per the daily works reports (AECOM)

M01 and M02 are >1 km from the limit of Phase 1 Activities 1. M08 was moved to the corresponding TDR monitoring location on Mon-Jan-31-22 between 14:00 and 15:00

2. Ldn is considered not representative since the sound level data collected between Wed-Feb-2 00:00 and Sat-Feb-5 06:00 was likely affected by ice accumulation on the sound level meter

Monitoring	Co	mbined Tot	al Noise Exp	oosure, Ldn	(dBA)	Allowable Combined Total	Exceedance Count			
Location ID	Mon	Tues	Wed	Thu	Fri	Noise Exposure, Ldn (dBA)	Construction- related	Total		
M01	57	56	55	55	56	60	0	0		
M02	68	68	66	67	67	68	0	0		
M03	73	72	72	72	72	77	0	0		
M04	57	56	59	58	59	59	0	0		
M05	55	58	56	56	58	60	0	0		
M06	57	56	56	57	61	56	0	3		
M07	57	61	55	54	57	61	0	0		
M08	58	62	61	62	64	57	0	5		
M09	56	62	58	56	59	60	0	1		
M10	 - 1	61	59	60	62	62	0	0		

Combined Total Noise Exposure, Ldn - Week 3, February 7 to February 11, 2022

NOTES:

Exceedances are considered construction-related where construction-like noise has been identified in the sound level meter audio samples and where construction activities within 500 m of the monitoring location have been identified, per the daily works reports (AECOM)

M01 and M02 are >1 km from the limit of Phase 1 Activities

1. Ldn could not be calculated due to insufficient data collected as a result of equipment battery failure

Monitoring	Co	mbined Tot	al Noise Exp	oosure, Ldn	(dBA)	Allowable Combined Total	Exceedar	nce Count
Location ID	Mon	Tues	Wed	Thu	Fri	Noise Exposure, Ldn (dBA)	Construction- related	Total
M01	57	57	-	56	56	60	0	0
M02	68	70	-	-	-	68	0	1
M03	74	74	-	71	70	77	0	0
M04	57	57	-	-	-	59	0	0
M05	55	60	-	58	58	60	0	0
M06	54	55	-	55	66	56	0	1
M07	53	60	-	55	59	61	0	0
M08	57	60	-	-	-	57	0	1
M09	55	62	-	-	-	60	0	1
M10	58	60	-	-	-	62	0	0

Combined Total Noise Exposure, Ldn - Week 4, February 14 to February 18, 2022

NOTES:

Exceedances are considered construction-related where construction-like noise has been identified in the sound level meter audio samples and where construction activities within 500 m of the monitoring location have been identified, per the daily works reports (AECOM) M01 and M02 are >1 km from the limit of Phase 1 Activities

1. "-" means Ldn could not be calculated due to inclement weather and/or suspected ice accumulation on the sound level meter between Thu-Feb-17-22 18:00 to Sat-Feb-19-22 07:00

Monitoring	Existing Percent Highly	Cha	nge in Perce	ent Highly A	nnoyed,%H	A (%)	Allowable Percent Highly	Exceedar	ice Count
Location ID	Annoyed (%)	Mon	Tues	Wed	Thu	Fri	Annoyed Increase (%)	Construction- related	Total
M01	5.3	-2.5	-0.1	-0.2	-1.2	1.2		0	0
M02	17.4	-2.5	12.1	-0.4	6.7	13.6		0	3
M03	44.1	-29.4	-14.5	-25.4	-19.9	-13		0	0
M04	4.7	-2.3	-0.6	-0.9	-0.8	-2.8		0	0
M05	5.3	-1.5	-1.2	-1.2	-0.7	-0.7	6.5	0	0
M06	2.5	0.1	1.2	0.4	0.4	-0.5	0.5	0	0
M07	6.8	-4.3	2.4	-3.6	1.9	3.2	1	0	0
M08 ¹	3.2	3.6	8.8	4.8	5.1	5.7	—	0	1
M09	6.0	-2.2	4	-0.7	0	1.4		0	0
M10	7.7	<u>-</u> 2	0.9	-2.3	-0.8	1.5		0	0

Change in Percent Highly Annoved, %HA - Week 1, January 24 to 28, 2022

NOTES:

Exceedances are considered construction-related where construction-like noise has been identified in the sound level meter audio samples and where construction activities within 500 m of the monitoring location have been identified, per the daily works reports (AECOM)

M01 and M02 are >1 km from the limit of Phase 1 Activities

1. M08 was located approximately 135 m closer to the CN rail line and 10 m closer to Lower Baseline Road during this week of monitoring

2. Change %HA could not be calculated due to insufficient data collected as a result of equipment battery failure

Monitoring	Existing Percent Highly	Cha	inge in Perc	ent Highly /	Annoyed,%	HA (%)	Allowable Percent Highly	Exceedar	nce Count
Location ID	Annoyed (%)	Mon	Tues	Wed	Thu	Fri	Annoyed Increase (%)	Construction- related	Total
M01	5.3	1.5	1.9	-0.9	-1.5	-1.6		0	0
M02	17.4	5	3.2	0	-4.9	1.6	1	0	0
M03	44.1	-15.4	-12.7	-19.3	-28.9	-17.9	1	0	0
M04	4.7	-0.1	1.7	-2.7 -	-2.3 -	-4.5 -	1	0	0
M05	5.3	1.5	-0.7	-1.2	-1.9	-1.5		0	0
M06	2.5	1.4	2.6	0.1	-0.1	0.4	6.5	0	0
M07	6.8	6.1	-1.8	-1.6	1.1	-2.1	1	0	0
M08 '	3.2	5.1	4.6	0.5	-0.3	1.2	1	0	0
M09	6.0	6.5	0.2	-0.6	-1.9	-1	1	0	0
M10	7.7	2.4	-0.6	-1.1	-2.9	-1.9	1	0	0

Change in Percent Highly Annoved, %HA - Week 2, January 31 to February 4, 2022

NOTES:

Exceedances are considered construction-related where construction-like noise has been identified in the sound level meter audio samples and where construction activities within 500 m of the monitoring location have been identified, per the daily works reports (AECOM)

M01 and M02 are >1 km from the limit of Phase 1 Activities 1. M08 was moved to the corresponding TDR monitoring location on Mon-Jan-31-22 between 14:00 and 15:00

2. Change in %HA is considered not representative since the sound level data collected between Wed-Feb-2 00:00 and Sat-Feb-5 06:00 was likely affected by ice accumulation on the sound level meter

Monitoring	Existing Percent Highly	Cha	nge in Perc	ent Highly /	Annoyed,%I	HA (%)	Allowable Percent Highly	Exceedar	nce Count
Location ID	Annoyed (%)	Mon	Tues	Wed	Thu	Fri	Annoyed Increase (%)	Construction- related	Total
M01	5.3	-0.1	-0.7	-1.4	-1.2	-0.4		0	0
M02	17.4	2.6	1	-2.4	-0.8	0.3	1	0	0
M03	44.1	-13.1	-15.3	-15.7	-14.3	-13.9	1	0	0
M04	4.7	0.8	0	1.7	1.1	2.4	1	0	0
M05	5.3	-1.2	0.9	-0.5	-0.8	0.4	6.5	0	0
M06	2.5	2.7	2.4	2.4	2.8	5.9	0.5	0	0
M07	6.8	-1.3	1.7	-2.8	-3.1	-1.6	1	0	0
M08	3.2	2.9	6.1	5.3	6.1	9		0	1
M09	6.0	-1.1	3.3	-0.3	-1.3	0.7	1	0	0
M10	7.7	-1	1.1	-0.7	-0.3	1.9	1	0	0

Change in Percent Highly Annoyed, %HA - Week 3, February 7 to February 11, 2022

NOTES:

Exceedances are considered construction-related where construction-like noise has been identified in the sound level meter audio samples and where construction activities within 500 m of the monitoring location have been identified, per the daily works reports (AECOM)

M01 and M02 are >1 km from the limit of Phase 1 Activities

1. Change in %HA could not be calculated due to insufficient data collected as a result of equipment battery failure

Monitoring	Existing Percent Highly	Cha	nge in Perc	ent Highly /	Annoyed,%l	HA (%)	Allowable Percent Highly	Exceedar	nce Count
	Annoyed (%)	Mon	Tues	Wed	Thu	Fri	Annoyed Increase (%)	Construction- related	Total
M01	5.3	0.3	-0.1	-	-0.9	-0.5		0	0
M02	17.4	2.5	5.5	-	-	-		0	0
M03	44.1	-10.8	-10.4	-	-17.5	-20.1		0	0
M04	4.7	0.8	0.6	-	-	-		0	0
M05	5.3	-1.4	2.3	-	0.8	0.6	6.5	0	0
M06	2.5	1	1.8	-	1.8	13.2	0.5	0	1
M07	6.8	-3.5	1	-	-2.9	-0.3	1	0	0
M08	3.2	2.3	4.1	-	-	-	1	0	0
M09	6.0	-2	4	-	-	-	1	0	0
M10	7.7	-1.6	-0.3	-	-	-	1	0	0

Change in Percent Highly Annoyed, %HA - Week 4, February 14 to February 18, 2022

NOTES:

Exceedances are considered construction-related where construction-like noise has been identified in the sound level meter audio samples and where construction activities within 500 m of the monitoring location have been identified, per the daily works reports (AECOM)

M01 and M02 are >1 km from the limit of Phase 1 Activities

1. Change in %HA could not be calculated due to inclement weather and/or suspected ice accumulation on the sound level meter between Thu-Feb-17-22 18:00 to Sat-Feb-19-22 07:00

			means data excluded from analysis due to suspected ice accumulation													
Time	Week	M01	M02	M03	M04	M05	M06	M07	M08	M09	M10	Wind Speed (km/h)	Wind Direction (Deg)	Precipitation (mm)	Temperature (Deg C)	Inclement Weather (True/False)
Nov-21-22 07:00	1	50	50	51	48	59	48	53	49	59	58	7	208	0.0	-3	FALSE
Nov-21-22 08:00	1	51	58	64	51	59	51	54	50	59	59	9	212	0.0	-1	FALSE
Nov-21-22 09:00	1	56	49	51	51	59	50	52	49	57	57	12	213	0.0	2	FALSE
Nov-21-22 10:00	1	51	50	54	52	55	52	52	51	56	58	13	218	0.0	3	FALSE
Nov-21-22 11:00	1	55	59	66	55	59	57	54	56	57	58	17	225	0.0	5	FALSE
Nov-21-22 12:00	1	58	62	68	54	59	54	53	55	57	58	18	225	0.0	6	FALSE
Nov-21-22 13:00	1	60	62	67	55	59	56	62	57	64	64	18	230	0.0	7	FALSE
Nov-21-22 14:00	1	63	61	68	56	62	59	56	57	58	63	20	241	0.0	6	TRUE
Nov-21-22 15:00	1	54	63	70	55	59	61	54	56	57	63	16	250	0.0	5	FALSE
Nov-21-22 16:00	1	53	63	69	56	57	58	53	53	57	61	9	269	0.0	4	FALSE
Nov-21-22 17:00	1	50	51	53	51	56	49	50	45	56	59	9	257	0.0	4	FALSE
Nov-21-22 18:00	1	51	61	67	50	54	47	48	46	53	57	7	252	0.0	3	FALSE
Nov-21-22 19:00	1	50	48	48	41	53	40	46	40	52	56	7	248	0.0	3	FALSE
Nov-21-22 20:00	1	50	63	69	50	52	48	49	47	52	55	7	274	0.0	3	FALSE
Nov-21-22 21:00	1	50	65	69	49	51	49	49	47	51	54	8	306	0.0	3	FALSE
Nov-21-22 22:00	1	42	45	46	41	49	40	43	40	49	52	7	298	0.0	2	FALSE
Nov-21-22 23:00	1	45	58	63	46	50	44	45	42	48	54	4	254	0.0	2	FALSE
Nov-22-22 00:00	1	46	59	65	47	45	48	47	46	47	48	3	266	0.0	2	FALSE
Nov-22-22 01:00	1	34	36	43	31	42	32	37	33	42	45	2	283	0.0	1	FALSE
Nov-22-22 02:00	1	46	62	66	47	45	48	48	44	48	47	1	273			FALSE
Nov-22-22 03:00	1	47	62	67	49	45	49	49	43	49	47	1	306	0.0		FALSE
Nov-22-22 04:00	1	52	64	67	51	49	51	53	52	54	53	1	271	0.0		FALSE
Nov-22-22 05:00	1	49	64	70	52	54	53	58	55	57	56	1	188	0.0		FALSE
Nov-22-22 06:00	1	52	60	60	46	55	47	51	50	55	57	1	104	0.0		FALSE
Nov-22-22 07:00	1	53	60	64	52	58	52	56	55	60	60	1	219	0.0	-5	FALSE
Nov-22-22 08:00	1	53	64	69	54	58	56	56	51	58	59	2	279	0.0		FALSE
Nov-22-22 09:00	1	50	64	68	50	54	51	54	52	55	57	3	256	0.0		FALSE
Nov-22-22 10:00	1	49	62	66	48	54	45	52	48	52	54	3	156			FALSE
Nov-22-22 11:00	1	52	42	47	45	53	53	55	55	57	55	4	140			FALSE
Nov-22-22 12:00	1	49	65	69	47	53	48	53	49	53	55	5	162	0.0	6	FALSE
Nov-22-22 13:00	1	48	48	52	47	55	49	54	50	55	55	5	151	0.0	6	FALSE
Nov-22-22 14:00	1	52	64	70	50	53	47	54	50	54	56	4	134			FALSE
Nov-22-22 15:00	1	52	63	67	51	55	50	54	52	56	55	5	114			FALSE
Nov-22-22 16:00	1	53	65	70	53	56	51	57	53	58	58	2	111	0.0		FALSE
Nov-22-22 17:00	1	52	64	68	52	58	51	57	54	58	60	1	262			FALSE
Nov-22-22 18:00	1	51	49	51	49	56	47	53	51	56	58	1	288	0.0		FALSE
Nov-22-22 19:00	1	52	66	70	52	58	52	56	53	58	56	2	265			FALSE
Nov-22-22 20:00	1	50	59	63	46	56	46	51	46	55	55	1	155		-	FALSE
Nov-22-22 21:00	1	47	45	48	44	52	40	47	43	53	54	2	299	0.0		FALSE
Nov-22-22 22:00	1	53	64	64	44	52	45	51	40	54	55	2	287	0.0		FALSE
Nov-22-22 22:00	1	48	64	71	49	52	48	55	49	56	53	1	255	0.0		FALSE
Nov-23-22 00:00	1	51	62	67	50	50	49	52	50	53	54	2	310	0.0		FALSE
Nov-23-22 00:00	1	41	41	45	39	45	35	40	36	45	46	2	289	0.0		FALSE
1101-23-22 01.00	'	171	1-1		55		55		50		-0	4	203	0.0	-2	I ALUL

 means data discarded from analysis due to noise contamination during equipment maintenance means data excluded from analysis due to suspected ice accumulation

 Week
 M01
 M02
 M03
 M04
 M05
 M06
 M07
 M08
 M09
 M10
 Wind

Time	Week	M01	M02	M03	M04	M05	M06	M07	M08	M09	M10	Wind Speed (km/h)	Wind Direction (Deg)	Precipitation (mm)	Temperature (Deg C)	Inclement Weather (True/False)
Nov-23-22 02:00	1	49	62	66	51	43	52	50	48	49	50	3	250	0.0	-2	FALSE
Nov-23-22 03:00	1	42	36	42	34	43	33	37	35	43	42	4	254	0.0	-3	FALSE
Nov-23-22 04:00	1	47	62	66	52	47	50	49	44	50	47	4	250	0.0	-2	FALSE
Nov-23-22 05:00	1	51	63	68	53	51	51	48	46	52	53	2	185	0.0	-2	FALSE
Nov-23-22 06:00	1	48	46	50	48	55	46	49	50	54	57	1	276	0.0	-2	FALSE
Nov-23-22 07:00	1	53	60	64	52	59	53	54	54	57	60	3	266	0.0	-2	FALSE
Nov-23-22 08:00	1	51	51	55	51	58	50	52	49	57	58	4	276	0.0	0	FALSE
Nov-23-22 09:00	1	51	61	67	49	55	52	52	55	53	56	5	255	0.0	2	FALSE
Nov-23-22 10:00	1	56	62	68	49	54	50	51	50	53	54	5	249	0.0	6	FALSE
Nov-23-22 11:00	1	53	65	70	51	55	51	54	49	55	56	6	247	0.0	7	FALSE
Nov-23-22 12:00	1	47	44	49	43	54	46	50	46	51	54	6	238	0.0	8	FALSE
Nov-23-22 13:00	1	49	62	69	48	54	47	51	46	51	53	5	234	0.0	9	FALSE
Nov-23-22 14:00	1	49	60	66	47	53	48	51	47	52	55	5	260	0.0	9	FALSE
Nov-23-22 15:00	1	52	63	68	48	55	51	54	53	57	56	4	241	0.0	8	FALSE
Nov-23-22 16:00	1	53	67	72	53	56	52	55	53	57	58	1	219	0.0	5	FALSE
Nov-23-22 17:00	1	54	66	71	54	57	53	59	55	61	59	1	235	0.0	1	FALSE
Nov-23-22 18:00	1	48	48	49	51	57	46	52	50	56	57	2	191	0.0	-1	FALSE
Nov-23-22 19:00	1	48	57	59	50	56	47	55	48	57	57	1	292	0.0	-2	FALSE
Nov-23-22 20:00	1	50	57	62	48	55	46	53	47	56	55	2	299	0.0	-3	FALSE
Nov-23-22 21:00	1	51	62	66	48	54	49	53	49	56	55	2	292	0.0	-4	FALSE
Nov-23-22 22:00	1	46	47	48	46	52	43	46	44	52	53	1	263	0.0	-5	FALSE
Nov-23-22 23:00	1	53	66	70	53	56	52	58	53	58	54	1	158	0.0	-5	FALSE
Nov-24-22 00:00	1	42	46	63	48	55	52	58	52	58	57	1	303	0.0	-4	FALSE
Nov-24-22 01:00	1	57	69	73	55	60	58	61	57	62	63	1	285	0.0	-2	FALSE
Nov-24-22 02:00	1	41	30	42	32	41	35	35	35	38	39	2	274	0.0	-1	FALSE
Nov-24-22 03:00	1	54	66	69	43	51	50	54	46	56	55	3	311	0.0	0	FALSE
Nov-24-22 04:00	1	38	33	43	35	41	35	36	34	40	43	4	327	0.0	0	FALSE
Nov-24-22 05:00	1	49	64	67	40	48	42	49	41	50	50	3	339	0.0	-1	FALSE
Nov-24-22 06:00	1	46	42	46	42	51	44	46	45	50	52	3	320	0.0	-1	FALSE
Nov-24-22 07:00	1	52	60	65	43	54	48	49	45	52	54	2	280	0.0	-1	FALSE
Nov-24-22 08:00	1	50	63	67	46	54	47	50	46	53	55	2	292	0.0	-1	FALSE
Nov-24-22 09:00	1	44	46	54	45	52	43	46	43	50	52	2	257	0.0	0	FALSE
Nov-24-22 10:00	1	50	49	52	45	52	49	48	45	51	52	3	277	0.0	2	FALSE
Nov-24-22 11:00	1	47	43	49	47	52	51	50	46	50	53	2	197	0.0	4	FALSE
Nov-24-22 12:00	1	51	64	66	48	53	51	48	44	52	53	5	191	0.0	8	FALSE
Nov-24-22 13:00	1	48	47	50	44	54	50	49	44	53	53	8	227	0.0	10	FALSE
Nov-24-22 14:00	1	52	64	69	52	54	52	51	50	55	55	6	238	0.0	11	FALSE
Nov-24-22 15:00	1	54	65	70	53	56	53	55	51	58	57	6	227	0.0	11	FALSE
Nov-24-22 16:00	1	57	68	72	56	58	56	59	56	61	58	2	179	0.0	6	FALSE
Nov-24-22 17:00	1	54	64	68	53	56	53	58	54	59	61	3	168	0.0	3	FALSE
Nov-24-22 18:00	1	56	67	72	55	57	57	58	55	59	60	2	180	0.0	2	FALSE
Nov-24-22 19:00	1	49	50	50	46	55	42	48	45	54	54	3	275	0.0	6	FALSE
Nov-24-22 20:00	1	50	63	69	52	53	51	49	49	54	54	6	238	0.0	8	FALSE

			means data	excluded fro	om analysis c	lue to suspec	cted ice accu	imulation		1		1				
Time	Week	M01	M02	M03	M04	M05	M06	M07	M08	M09	M10	Wind Speed (km/h)	Wind Direction (Deg)	Precipitation (mm)	Temperature (Deg C)	Inclement Weather (True/False)
Nov-24-22 21:00	1	49	55	59	44	53	45	48	45	53	54	6	249	0.0	7	FALSE
Nov-24-22 22:00	1	44	45	46	39	51	47	51	45	52	52	3	277	0.0	6	FALSE
Nov-24-22 23:00	1	49	62	67	50	49	44	45	42	49	47	2	209	0.0	6	FALSE
Nov-25-22 00:00	1	46	60	66	49	47	48	45	50	48	52	8	245	0.8	8	TRUE
Nov-25-22 01:00	1	50	63	67	50	45	52	49	51	49	52	3	237	2.7	6	TRUE
Nov-25-22 02:00	1	36	35	44	33	38	43	49	46	49	50	7	235	0.0	7	FALSE
Nov-25-22 03:00	1	52	65	71	54	44	51	42	50	44	47	8	243	0.0	7	FALSE
Nov-25-22 04:00	1	48	64	70	53	46	51	46	48	47	50	7	255	0.0	7	FALSE
Nov-25-22 05:00	1	45	45	48	45	52	51	46	43	51	56	8	290	0.0	7	FALSE
Nov-25-22 06:00	1	46	49	52	47	54	53	48	48	54	58	11	303	0.0	6	FALSE
Nov-25-22 07:00	1	56	62	66	54	58	59	56	53	57	62	17	310	0.0	6	FALSE
Nov-25-22 08:00	1	51	54	59	58	59	62	52	54	57	62	18	307	0.0	5	FALSE
Nov-25-22 09:00	1	53	64	68	54	56	57	53	51	56	60	14	306	0.0	6	FALSE
Nov-25-22 10:00	1	56	64	69	53	57	58	53	53	56	61	14	301	0.0	6	FALSE
Nov-25-22 11:00	1	53	58	61	52	57	56	51	53	55	60	12	300	0.0	6	FALSE
Nov-25-22 12:00	1	57	53	58	51	57	58	51	54	55	60	15	304	0.0	6	FALSE
Nov-25-22 13:00	1	54	65	70	53	56	56	53	55	56	60	11	298	0.0	6	FALSE
Nov-25-22 14:00	1	55	64	70	55	56	56	53	52	56	60	12	301	0.0	5	FALSE
Nov-25-22 15:00	1	51	53	64	56	56	53	51	54	56	59	11	301	0.0	5	FALSE
Nov-25-22 16:00	1	53	66	72	56	55	52	53	51	56	58	6	297	0.0	5	FALSE
Nov-25-22 17:00	1	53	62	62	48	56	44	49	43	54	58	8	305	0.1	4	TRUE
Nov-25-22 18:00	1	50	60	64	47	54	47	48	43	53	56	6	304	0.0	4	FALSE
Nov-25-22 19:00	1	46	47	47	43	53	39	45	39	51	55	4	288	0.0	4	FALSE
Nov-25-22 20:00	1	51	65	70	52	53	50	49	46	51	54	4	270	0.0	4	FALSE
Nov-25-22 21:00	1	45	46	46	41	52	38	45	38	50	54	3	256	0.0	4	FALSE
Nov-25-22 22:00	1	51	64	69	52	52	52	51	50	53	56	3	248	0.0	3	FALSE
Nov-25-22 23:00	1	41	43	46	40	51	38	44	39	50	52	5	243	0.0	1	FALSE
Nov-26-22 00:00	1	52	65	69	53	50	52	49	50	51	54	5	247	0.0	0	FALSE
Nov-26-22 01:00	1	48	56	44	38	46	36	40	37	45	48	5	245	0.0	0	FALSE
Nov-26-22 02:00	1	41	60	67	53	46	50	45	45	47	49	6	247	0.0	0	FALSE
Nov-26-22 03:00	1	38	35	44	36	43	34	37	33	41	45	4	248	0.0	-1	FALSE
Nov-26-22 04:00	1	49	63	68	51	46	51	49	49	49	53	5	243	0.0		FALSE
Nov-26-22 05:00	1	49	63	67	52	47	49	44	45	47	49	5	243	0.0	-1	FALSE
Nov-26-22 05:00	1	44	43	45	40	50	40	44	40	49	51	6	249	0.0	-1	FALSE
Nov-28-22 00:00	1	51	63	72	49	56	47	54	49	49 56	58	7	346	0.0	2	FALSE
Nov-28-22 07:00	2	52	63	72	49 51	57	49	53	49	55	58	8	330	0.0	2	FALSE
Nov-28-22 08:00	2	52	68	76	55	56	49	54	49	55	58 59	10	319	0.0	2	FALSE
Nov-28-22 09:00	2	53	66	73	55	50	49	54	49	55	59	9	321	0.0	2	FALSE
Nov-28-22 10:00	2	44	47	52	46	54	49	48	46	54	53	9	337	0.0	2	FALSE
Nov-28-22 11:00	2	44	47 61	52 67	40 53	54 53	44	40 51	46	52	53	7	333	0.0	2	FALSE
Nov-28-22 12:00	2	49 49	47	54	48	53 54	48 48	51	45 47	52 53	54 55	7	333	0.0	2	FALSE
Nov-28-22 13:00	2	49 60	47 54	54 53	48 50	54 56	48 49	51	47	53 53	55 55	7	310	0.0	2	FALSE
	2	60 51	54 60	53 63	50 53	56 55	49 48	51	47	53 54	55 57	9	323	0.0	4	
Nov-28-22 15:00	2	51	00	03	55	55	40	52	41	04	57	9	321	0.0	1	FALSE

			means data excluded from analysis due to suspected ice accumulation													
Time	Week	M01	M02	M03	M04	M05	M06	M07	M08	M09	M10	Wind Speed (km/h)	Wind Direction (Deg)	Precipitation (mm)	Temperature (Deg C)	Inclement Weather (True/False)
Nov-28-22 16:00	2	53	65	70	55	57	51	54	51	56	57	5	303	0.0	1	FALSE
Nov-28-22 17:00	2	45	48	50	46	55	46	49	47	53	56	3	303	0.0	1	FALSE
Nov-28-22 18:00	2	44	46	49	44	55	45	49	45	52	55	3	290	0.0	1	FALSE
Nov-28-22 19:00	2	52	68	72	54	52	51	52	47	53	54	4	250	0.0	1	FALSE
Nov-28-22 20:00	2	49	61	66	46	50	44	54	44	57	53	2	99	0.0	0	FALSE
Nov-28-22 21:00	2	51	65	69	45	54	41	54	43	56	51	1	192	0.0	0	FALSE
Nov-28-22 22:00	2	49	62	67	50	49	48	50	42	50	52	1	308	0.0	0	FALSE
Nov-28-22 23:00	2	37	38	45	37	46	37	38	36	44	46	1	236	0.0	0	FALSE
Nov-29-22 00:00	2	35	36	44	35	42	36	37	34	41	43	1	219	0.0	0	FALSE
Nov-29-22 01:00	2	30	33	44	33	39	33	33	32	37	39	1	221	0.0	0	FALSE
Nov-29-22 02:00	2	52	67	71	51	48	50	54	46	55	53	1	126	0.0	0	FALSE
Nov-29-22 03:00	2	48	64	69	47	54	47	51	43	52	47	1	295	0.0	0	FALSE
Nov-29-22 04:00	2	49	63	68	43	51	48	53	45	54	54	1	77	0.0	0	FALSE
Nov-29-22 05:00	2	49	63	66	44	54	47	51	46	52	52	2	124	0.0	0	FALSE
Nov-29-22 06:00	2	54	67	71	49	56	49	56	50	57	56	1	221	0.0	0	FALSE
Nov-29-22 07:00	2	51	50	53	52	54	50	52	53	53	55	1	175	0.0	0	FALSE
Nov-29-22 08:00	2	48	49	53	52	56	50	52	50	54	55	1	140	0.0	1	FALSE
Nov-29-22 09:00	2	48	48	51	51	55	47	51	50	54	52	4	104	0.0	3	FALSE
Nov-29-22 10:00	2	53	64	68	50	55	48	57	50	57	59	6	95	0.0	4	FALSE
Nov-29-22 11:00		53	62	66	53	55	48	56	50	56	56	5	97		5	FALSE
Nov-29-22 12:00		53	64	67	49	54	49	55	51	55	56	5	96		5	FALSE
Nov-29-22 13:00		51	61	67	49	52	48	55	50	55	56	5	108		6	FALSE
Nov-29-22 14:00		53	63	65	51	54	49	53	50	55	55	7	107		6	FALSE
Nov-29-22 15:00		54	65	69	53	55	51	57	53	58	56	8	105		6	FALSE
Nov-29-22 16:00		56	67	70	55	58	52	59	54	59	57	9	100		5	FALSE
Nov-29-22 17:00		53	60	63	52	55	50	55	52	56	56	7	99		5	FALSE
Nov-29-22 18:00		51	50	51	51	54	50	52	51	54	54	6	100		5	FALSE
Nov-29-22 19:00		55	67	71	53	55	51	56	51	57	55	5	112		6	FALSE
Nov-29-22 20:00		53	57	64	51	53	49	53	50	55	54	6	121		5	FALSE
Nov-29-22 21:00		51	62	66	48	52	47	56	49	56	56	5	105		-	FALSE
Nov-29-22 22:00		53	60	64	47	50	44	47	44	50	49	6	101		5	FALSE
Nov-29-22 23:00		53	66	71	50	53	46	57	45	58	53	5	99	0.0	4	FALSE
Nov-30-22 00:00	2	51	63	68	46	51	45	56	45	57	56	5	95		5	FALSE
Nov-30-22 01:00		50	56	46	44	47	46	54	44	53	52	6	93		5	TRUE
Nov-30-22 02:00		54	65	70	46	51	48	48	46	48	47	4	116		5	TRUE
Nov-30-22 03:00		42	39	47	44	48	43	53	43	53	46	3	126		5	TRUE
Nov-30-22 04:00		39	37	46	43	46	45	45	42	47	45	3	136		5	TRUE
Nov-30-22 05:00	_	45	40	47	43	51	41	46	40	53	50	3	138		6	TRUE
Nov-30-22 06:00		50	62	67	51	56	50	52	49	58	56	8	199		9	TRUE
Nov-30-22 07:00	_	50	50	51	49	58	55	54	50	60	57	7	172		9	TRUE
Nov-30-22 08:00		50	53	55	52	58	56	55	50	61	58	8	172		9	TRUE
Nov-30-22 09:00		53	53	62	53	59	64	55	50	60	58	11	207		9	TRUE
Nov-30-22 10:00	-	54	63	72	56	59	71	54	52	57	63	12	295		5 6	TRUE
1101-00-22 10.00	-	~	~~~	14	~~~		P 1		~	<i></i>	~~~	14	200	11.4	۲ ۲	

			means data	excluded fro	om analysis c	lue to suspe	cted ice accu	imulation								
Time	Week	M01	M02	M03	M04	M05	M06	M07	M08	M09	M10	Wind Speed (km/h)	Wind Direction (Deg)	Precipitation (mm)	Temperature (Deg C)	Inclement Weather (True/False)
Nov-30-22 11:00	2	55	64	76	55	57	72	55	56	57	63	10	291	0.9	4	TRUE
Nov-30-22 12:00	2	56	66	75	56	58	70	54	54	57	64	11	274	0.0	3	FALSE
Nov-30-22 13:00	2	53	62	76	57	57	69	56	54	57	64	10	276	0.0	2	FALSE
Nov-30-22 14:00	2	53	56	65	56	58	67	59	56	58	66	10	277	0.0	1	FALSE
Nov-30-22 15:00	2	54	64	62	57	60	65	58	57	60	66	13	261	0.1	0	TRUE
Nov-30-22 16:00	2	55	65	49	56	59	61	56	55	59	64	13	260	0.0	0	FALSE
Nov-30-22 17:00	2	52	55	36	54	60	61	57	55	59	64	17	253	0.0	-1	FALSE
Nov-30-22 18:00	2	51	56	41	53	58	59	55	52	57	63	16	251	0.0	-1	FALSE
Nov-30-22 19:00	2	49	52	35	50	57	58	55	51	55	62	16	248	0.3	-2	TRUE
Nov-30-22 20:00	2	50	62	50	54	53	56	52	52	53	61	14	251	0.0	-2	FALSE
Nov-30-22 21:00	2	47	50	36	52	55	60	52	52	53	62	16	250	0.0	-1	FALSE
Nov-30-22 22:00	2	51	59	49	53	55	60	55	53	55	63	15	254	0.0	-2	FALSE
Nov-30-22 23:00	2	52	61	50	51	53	56	51	50	52	59	12	257	0.0	-2	FALSE
Dec-01-22 00:00	2	49	45	35	47	49	54	46	46	48	54	9	273	0.0	-2	FALSE
Dec-01-22 01:00	2	40	41	33	43	46	54	47	46	46	55	7	277	0.0	-3	FALSE
Dec-01-22 02:00	2	40	42	36	45	46	53	46	46	45	55	7	275	0.0	-2	FALSE
Dec-01-22 03:00	2	49	61	55	50	48	57	48	50	48	57	8	270	0.0	-2	FALSE
Dec-01-22 04:00	2	51	62	57	52	49	56	50	50	48	58	9	269	0.0	-2	FALSE
Dec-01-22 05:00	2	51	62	56	51	53	57	50	50	52	57	10	266	0.0	-2	FALSE
Dec-01-22 06:00	2	51	48	44	51	56	60	53	53	56	61	9	273	0.0	-2	FALSE
Dec-01-22 07:00	2	57	51	47	50	58	62	54	55	58	63	8	275	0.0	-3	FALSE
Dec-01-22 08:00	2	53	60	50	51	58	60	53	54	58	62	8	276	0.0	-2	FALSE
Dec-01-22 09:00	2	53	60	62	54	57	61	54	54	57	62	10	268	0.0	-1	FALSE
Dec-01-22 10:00	2	51	51	53	50	56	56	51	50	55	60	12	258	0.0	0	FALSE
Dec-01-22 11:00	2	52	64	69	52	56	55	51	53	55	59	12	256	0.0	0	FALSE
Dec-01-22 12:00	2	54	66	73	56	56	55	52	55	55	59	13	252	0.0	0	FALSE
Dec-01-22 13:00	2	48	55	53	48	55	53	50	49	54	59	12	253	0.0	0	FALSE
Dec-01-22 14:00	2	50	60	66	51	56	51	50	50	55	58	11	258	0.0	1	FALSE
Dec-01-22 15:00	2	52	65	70	53	56	51	51	50	56	59	7	262	0.0	0	FALSE
Dec-01-22 16:00	2	50	57	53	46	57	44	50	47	55	59	7	247	0.0	-1	FALSE
Dec-01-22 17:00	2	50	62	68	53	56	49	51	48	55	58	7	247	0.0	-1	FALSE
Dec-01-22 18:00	2	51	61	66	49	55	43	47	40	53	56	7	243	0.0	-1	FALSE
Dec-01-22 19:00	2	52	66	70	53	54	49	48	47	53	55	5	233	0.0	-2	FALSE
Dec-01-22 20:00	2	50	61	67	50	53	49	49	44	53	53	3	215	0.0	-4	FALSE
Dec-01-22 21:00	2	47	45	48	44	52	40	46	40	52	53	1	231	0.0	-5	FALSE
Dec-01-22 22:00	2	52	68	72	54	52	54	52	49	53	54	1	285	0.0	-6	FALSE
Dec-01-22 23:00	2	43	42	47	46	50	48	48	49	52	52	1	207	0.0	-6	FALSE
Dec-02-22 00:00	2	49	63	67	49	50	48	53	45	54	52	2	192	0.0	-7	FALSE
Dec-02-22 01:00	2	38	38	45	38	42	35	37	34	43	44	1	30	0.0	-6	FALSE
Dec-02-22 02:00	2	48	41	47	39	43	36	40	37	45	44	2	132	0.0	-5	FALSE
Dec-02-22 03:00	2	54	68	71	54	46	56	50	51	50	49	1	111	0.0	-2	FALSE
Dec-02-22 04:00	2	37	37	46	39	46	38	41	37	46	44	4	152	0.0	-1	FALSE
Dec-02-22 05:00	2	47	61	64	47	50	46	48	45	51	51	4	151	0.0	-1	FALSE
200 02 22 00.00	-	L	1 1 1	- · ·		~~						l'	1.01	0.0	'	

			means data	excluded fro	m analysis d	ue to suspec	cted ice accu	mulation	1		1	1				
Time	Week	M01	M02	M03	M04	M05	M06	M07	M08	M09	M10	Wind Speed (km/h)	Wind Direction (Deg)	Precipitation (mm)	Temperature (Deg C)	Inclement Weather (True/False)
Dec-02-22 06:00	2	54	66	70	53	54	52	55	52	58	58	4	157	0.0	-1	FALSE
Dec-02-22 07:00	2	51	49	51	52	55	50	52	50	56	55	3	141	0.0	-1	FALSE
Dec-02-22 08:00	2	49	49	54	51	56	52	54	56	56	56	4	152	0.0	1	FALSE
Dec-02-22 09:00	2	54	67	71	55	57	52	57	52	58	59	4	168	0.0	2	FALSE
Dec-02-22 10:00	2	52	64	70	52	56	53	56	54	57	71	7	164	0.0	3	FALSE
Dec-02-22 11:00	2	55	64	69	52	56	51	69	52	69	57	7	178	0.0	4	FALSE
Dec-02-22 12:00	2	51	62	68	52	73	72	58	71	58	59	9	197	0.0	5	FALSE
Dec-02-22 13:00	2	52	64	74	70	55	52	55	54	57	58	8	192	0.0	6	FALSE
Dec-02-22 14:00	2	69	69	71	52	55	50	52	53	56	55	7	182	0.3	6	TRUE
Dec-02-22 15:00	2	51	61	71	49	56	49	53	51	57	56	6	192	0.0	6	FALSE
Dec-02-22 16:00	2	53	56	63	52	56	52	54	53	57	57	5	165	2.1	5	TRUE
Dec-02-22 17:00	2	54	68	72	56	57	52	56	52	59	57	4	144	0.6	5	TRUE
Dec-02-22 18:00	2	48	49	49	48	55	45	50	46	57	55	7	173	0.0	6	FALSE
Dec-02-22 19:00	2	51	62	67	50	54	48	51	49	56	55	7	170	0.0	7	FALSE
Dec-02-22 20:00	2	54	66	72	53	54	51	52	51	55	55	9	190	0.0	8	FALSE
Dec-02-22 21:00	2	46	47	49	46	53	44	48	42	54	53	9	204	0.0	9	FALSE
Dec-02-22 22:00	2	49	61	67	51	53	50	50	49	54	53	11	211	2.9	9	TRUE
Dec-02-22 23:00	2	51	62	68		53	53	52	53	55	55	11	221	3.8	7	TRUE
Dec-03-22 00:00	2	52	63	67	51	50	51	51	50	53	54	10	199	0.0	8	FALSE
Dec-03-22 01:00	2	40	42	47	42	48	41	44	39	50	48	9	209		9	FALSE
Dec-03-22 02:00	2	40	42	47	41	48	43	42	39	48	48	11	223	0.0	10	FALSE
Dec-03-22 03:00	2	43	49	52	45	50	47	45	45	48	50	13	227	0.0	10	FALSE
Dec-03-22 04:00	2	50	61	70	54	54	53	49	53	49	53	16	227		9	TRUE
Dec-03-22 05:00	2	44	45	51	48	51	47	47	44	51	51	14	224	0.2	9	TRUE
Dec-03-22 06:00	2	49	59	63	47	53	47	48	47	53	54	15	228	1.1	10	TRUE
Dec-05-22 07:00	-	51	50	51	48	56	50	53	54	56	57	4	205	0.0	-1	FALSE
Dec-05-22 08:00	3	51	62	67	52	56	52	54	51	58	58	6	213	0.0	1	FALSE
Dec-05-22 09:00	3	54	67	72	56	54	54	52	53	56	56	9	219	0.0	2	FALSE
Dec-05-22 10:00	3	52	49	49	46	54	47	49	46	54	56	10	215	0.0	4	FALSE
Dec-05-22 11:00	3	56	65	70	54	54	54	52	52	55	56	11	222	0.0	4	FALSE
Dec-05-22 12:00	3	53	65	70	54	53	51	50	50	53	55	10	223	0.0	5	FALSE
Dec-05-22 13:00	3	50	62	68	53	54	50	51	49	54	55	9	220	0.0	5	FALSE
Dec-05-22 14:00	3	64	49	49	50	54	43	49	44	54	53	•	215	0.0	5	FALSE
Dec-05-22 15:00	3	51	61	66	50	55	47	51	47	56	55	5	204	0.0	5	FALSE
Dec-05-22 16:00	3	48	51	50	50 50	55 55	47	52	49	56 56	55	4	199	0.0	4	FALSE
Dec-05-22 10:00	3	50	50	50	30 47	55	46	52	48	55	55	3	193	0.0	4	FALSE
Dec-05-22 17:00	3	48	48	50	49	53	46	51	48	54	55	2	96	0.0	3	FALSE
Dec-05-22 18:00	3	48 50	40 62	50 67	49 50	53 54	46	54	40	54 56	53	2	96 110	0.0	3	FALSE
Dec-05-22 19.00 Dec-05-22 20:00	3	50	62 68	07 72	50 53	54 54	40 52	54 56	50	56 57	55	2	237	0.0	3 2	FALSE
Dec-05-22 20:00 Dec-05-22 21:00	2	48		47	53 43	54 51	52 41	56 45	50 43	57 50	55 49	3	237 182	0.0	2	FALSE
	ა ი		46	47 70		51	41 50	45 57	43 49	50 57		3	182	0.0	2	FALSE
	3	54 41	67		-			57 44			57	2			4 2	
Dec-05-22 23:00	ა ი		43	46	42	48	40		41	48	48		148	0.0	<u> ۲</u>	FALSE
Dec-06-22 00:00	3	48	62	66	50	52	51	55	48	54	56	2	260	0.0	1	FALSE

			means data	excluded fro	om analysis c	lue to suspe	cted ice accu	umulation				1				
Time	Week	M01	M02	M03	M04	M05	M06	M07	M08	M09	M10	Wind Speed (km/h)	Wind Direction (Deg)	Precipitation (mm)	Temperature (Deg C)	Inclement Weather (True/False)
Dec-06-22 01:00	3	51	64	66	55	54	55	57	53	56	56	2	267	0.0	1	FALSE
Dec-06-22 02:00	3	36	36	44	39	40	32	33	35	36	37	2	275	0.0	1	FALSE
Dec-06-22 03:00	3	37	37	44	37	39	32	35	33	38	39	1	211	0.0	2	FALSE
Dec-06-22 04:00	3	52	66	69	55	51	49	56	51	56	54	1	105	0.0	2	FALSE
Dec-06-22 05:00	3	51	63	67	53	52	53	55	52	54	51	3	192	0.5	4	TRUE
Dec-06-22 06:00	3	51	63	68	51	54	51	54	51	56	57	2	206	0.0	5	FALSE
Dec-06-22 07:00	3	53	64	68	54	56	53	54	50	56	56	2	276	0.0	5	FALSE
Dec-06-22 08:00	3	53	65	68	55	56	53	55	51	56	56	1	59	0.0	5	FALSE
Dec-06-22 09:00	3	47	47	50	49	53	48	49	48	52	52	1	73	0.0	6	FALSE
Dec-06-22 10:00	3	44	45	48	47	53	48	54	49	55	56	4	121	0.0	6	FALSE
Dec-06-22 11:00	3	54	68	73	53	53	50	53	48	53	53	4	146	0.0	6	FALSE
Dec-06-22 12:00	3	52	64	69	50	52	48	55	49	57	58	4	111	0.0	5	FALSE
Dec-06-22 13:00	3	44	42	47	49	53	46	49	48	52	53	5	117	0.0	5	FALSE
Dec-06-22 14:00	3	52	62	67	49	52	45	53	48	54	52	4	102	0.0	5	FALSE
Dec-06-22 15:00	3	55	66	70	51	54	48	57	50	58	57	3	83	0.0	5	FALSE
Dec-06-22 16:00	3	54	65	70	53	54	50	52	51	52	54	4	95	0.0	5	FALSE
Dec-06-22 17:00	3	54	65	69	51	55	47	57	50	58	55	3	92	0.0	5	FALSE
Dec-06-22 18:00	3	52	52	51	50	51	47	48	49	49	51	4	75	0.0	5	FALSE
Dec-06-22 19:00	3	56	68	71	51	55	49	57	49	59	54	4	74	0.0	4	FALSE
Dec-06-22 20:00	3	56	60	64	49	51	48	49	48	51	52	1	127	0.0	4	FALSE
Dec-06-22 21:00	3	46	45	48	45	50	45	45	44	48	49	1	235	0.0	4	FALSE
Dec-06-22 22:00	3	52	66	70	53	50	46	53	45	56	50	1	213	0.0	4	FALSE
Dec-06-22 23:00	3	51	63	67	48	52	49	53	48	54	53	1	288	0.0	4	FALSE
Dec-07-22 00:00	3	45	58	61	41	51	44	55	45	56	55	1	126	0.0	4	FALSE
Dec-07-22 01:00	3	51	64	67	39	50	37	45	37	46	41	2	237	0.0	4	FALSE
Dec-07-22 02:00	3	29	33	44	33	37	33	30	32	34	37	2	44	0.0	5	FALSE
Dec-07-22 03:00	3	38	34	44	34	38	34	34	36	37	40	3	348	0.0	4	FALSE
Dec-07-22 04:00	3	34	35	44	36	43	35	37	36	40	44	3	226	0.0	5	FALSE
Dec-07-22 05:00	3	49	63	66	44	51	46	50	43	51	51	4	231	0.0	4	FALSE
Dec-07-22 06:00	3	54	63	66	48	53	48	55	48	55	58	4	352	0.0	5	FALSE
Dec-07-22 07:00	3	49	50	51	50	55	48	51	48	52	56	3	333	0.0	5	FALSE
Dec-07-22 08:00	3	52	65	68	53	56	50	53	49	54	56	4	229	0.0	5	FALSE
Dec-07-22 09:00	3	52	59	66	49	53	49	53	48	54	55	4	236	0.0	6	FALSE
Dec-07-22 10:00	3	46	47	50	46	51	42	47	44	47	50	4	124	0.0	7	FALSE
Dec-07-22 11:00	3	56	69	73	47	55	45	57	47	58	55	4	2	0.0	7	FALSE
Dec-07-22 12:00	3	55	66	68	47	52	46	54	47	55	56	5	351	0.0	7	FALSE
Dec-07-22 13:00	3	53	65	69	46	51	45	52	46	52	54	3	233	0.0	8	FALSE
Dec-07-22 14:00	3	52	47	51	46	52	41	49	45	49	52	3	318	0.0	8	FALSE
Dec-07-22 15:00	3	49	48	54	48	55	45	50	47	52	56	3	321	0.0	8	FALSE
Dec-07-22 16:00	3	55	68	73	52	57	49	57	51	58	58	2	209	0.0	8	FALSE
Dec-07-22 17:00	3	51	66	71	54	56	51	53	49	56	56	2	147	0.0	7	FALSE
Dec-07-22 18:00	3	51	50	52	51	55	47	49	47	53	56	2	248	0.0	7	FALSE
Dec-07-22 19:00	3	51	65	70	50	53	50	51	47	54	55	7	301	0.0	7	FALSE

			means data	excluded fro	om analysis d	ue to suspe	cted ice accu	imulation								
Time	Week	M01	M02	M03	M04	M05	M06	M07	M08	M09	M10	Wind Speed (km/h)	Wind Direction (Deg)	Precipitation (mm)	Temperature (Deg C)	Inclement Weather (True/False)
Dec-07-22 20:00	3	48	57	60	44	51	43	46	40	50	53	7	313	0.0	6	FALSE
Dec-07-22 21:00	3	47	46	47	41	51	37	43	36	49	53	5	302	0.0	6	FALSE
Dec-07-22 22:00	3	45	44	46	40	49	35	41	34	46	50	6	307	0.0	6	FALSE
Dec-07-22 23:00	3	50	65	70	50	49	50	49	43	50	51	4	305	0.0	5	FALSE
Dec-08-22 00:00	3	49	61	67	49	46	50	50	47	49	53	3	261	0.0	5	FALSE
Dec-08-22 01:00	3	45	57	54	36	42	32	34	31	40	43	2	281	0.0	4	FALSE
Dec-08-22 02:00	3	47	62	66	48	43	49	48	46	46	50	2	282	0.0	4	FALSE
Dec-08-22 03:00	3	52	63	68	49	46	53	52	49	50	54	2	296	0.0	4	FALSE
Dec-08-22 04:00	3	36	34	44	35	45	32	38	33	42	46	2	296	0.0	4	FALSE
Dec-08-22 05:00	3	43	39	44	40	50	36	43	37	48	51	3	300	0.0	4	FALSE
Dec-08-22 06:00	3	47	63	68	50	54	50	52	47	53	55	4	309	0.0	4	FALSE
Dec-08-22 07:00	3	52	63	67	49	55	49	53	49	54	57	4	328	0.0	3	FALSE
Dec-08-22 08:00	3	50	51	53	50	56	47	53	49	54	56	7	124	0.0	4	FALSE
Dec-08-22 09:00	3	46	47	51	49	53	45	51	47	50	52	7	9	0.0	4	FALSE
Dec-08-22 10:00	3	54	66	70	47	52	44	55	46	53	54	7	13	0.0	5	FALSE
Dec-08-22 11:00	3	50	61	63	50	55	48	56	49	55	57	4	231	0.0	5	FALSE
Dec-08-22 12:00	3	55	66	70	49	54	49	55	48	55	56	5	222	0.0	5	FALSE
Dec-08-22 13:00	3	53	64	68	51	54	49	55	50	55	55	6	343	0.0	5	FALSE
Dec-08-22 14:00	3	52	48	50	47	51	47	52	51	52	53	7	228	0.0	5	FALSE
Dec-08-22 15:00	3	52	63	67	50	54	46	55	50	55	57	7	237	0.0	4	FALSE
Dec-08-22 16:00	3	48	50	53	52	54	48	55	53	54	56	9	12	0.0	2	FALSE
Dec-08-22 17:00	3	52	65	68	51	53	47	56	49	57	56	9	10	0.0	1	FALSE
Dec-08-22 18:00	3	56	69	71	50	56	48	58	48	60	57	7	7	0.0	0	FALSE
Dec-08-22 19:00	3	53	66	72	49	56	49	58	48	60	56	4	39	0.0	-1	FALSE
Dec-08-22 20:00	3	53	65	69	51	54	47	58	47	60	55	3	58	0.0	-2	FALSE
Dec-08-22 21:00	3	49	48	48	48	49	44	45	46	49	52	2	40	0.0	-3	FALSE
Dec-08-22 22:00	3	48	61	65	46	51	44	52	43	54	53	3	115	0.0	-3	FALSE
Dec-08-22 23:00	3	51	61	66	47	51	48	54	48	55	55	3	228	0.0	-3	FALSE
Dec-09-22 00:00	3	51	67	70	40	52	44	55	43	57	51	3	28	0.0	-2	FALSE
Dec-09-22 01:00	3	51	63	67	42	48	42	53	43	54	53	5	33	0.0	-2	FALSE
Dec-09-22 02:00	3	52	64	70	41	50	47	56	46	56	60	5	13	0.0	-3	FALSE
Dec-09-22 03:00	3	47	63	67	39	49	39	54	38	54	48	6	11	0.0	-2	FALSE
Dec-09-22 04:00	3	34	35	43	38	41	35	39	37	44	45	4	29	0.0	-2	FALSE
Dec-09-22 05:00	3	51	62	66	40	49	40	52	43	53	53	2	32	0.0	-2	FALSE
Dec-09-22 06:00	3	51	65	68	48	52	44	55	47	56	53	3	34	0.0	-2	FALSE
Dec-09-22 07:00	3	52	48	52	51	51	47	52	50	50	53	4	22	0.0	-1	FALSE
Dec-09-22 08:00	3	47	51	52	51	51	47	55	51	51	53	4	25	0.0	-1	FALSE
Dec-09-22 09:00	3	54	66	70	50	54	49	59	51	59	57	5	40	0.0	-1	FALSE
Dec-09-22 10:00	3	52	66	71	50	56	49	60	52	60	55	6	47	0.0	0	FALSE
Dec-09-22 11:00	3	54	62	56	56	51	48	54	50	51	51	8	69	0.0	0	FALSE
Dec-09-22 12:00	3	48	50	52	52	54	50	58	52	56	54	10	79	0.0	1	FALSE
Dec-09-22 13:00	3	53	63	65	52	52	49	65	62	57	54	10	76	0.0	0	FALSE
Dec-09-22 14:00	3	56	67	69	53	54	51	60	59	60	56	8	73	0.0	0	FALSE

			means uata	excluded in	om analysis d	iue to suspe	teu ice acci	inulation		•						
Time	Week	M01	M02	M03	M04	M05	M06	M07	M08	M09	M10	Wind Speed (km/h)	Wind Direction (Deg)	Precipitation (mm)	Temperature (Deg C)	Inclement Weather (True/False)
Dec-09-22 15:00	3	54	63	64	54	53	50	58	53	56	56	11	76	0.0	0	FALSE
Dec-09-22 16:00	3	51	50	53	53	50	49	52	53	51	53	10	75	0.0	-1	FALSE
Dec-09-22 17:00	3	54	66	68	52	54	47	58	50	58	54	10	77	0.0	-1	FALSE
Dec-09-22 18:00	3	50	49	50	50	50	48	47	48	49	51	10	78	0.0	-1	FALSE
Dec-09-22 19:00	3	52	63	66	49	52	47	55	48	55	53	8	76	0.0	-1	FALSE
Dec-09-22 20:00	3	55	65	68	48	52	46	56	45	57	53	5	56	0.0	-1	FALSE
Dec-09-22 21:00	3	49	62	66	48	50	45	52	47	52	50	6	58	0.0	-1	FALSE
Dec-09-22 22:00	3	49	50	52	50	51	52	49	50	51	50	11	78	0.0	-1	FALSE
Dec-09-22 23:00	3	55	67	68	50	52	51	56	46	56	53	12	81	0.0	-1	FALSE
Dec-10-22 00:00	3	60	70	72	48	55	50	59	46	58	58	12	84	0.0	-1	FALSE
Dec-10-22 01:00	3	41	42	50	45	47	48	44	48	48	45	12	81	0.0	-1	FALSE
Dec-10-22 02:00	3	38	40	48	44	46	51	43	47	48	44	12	81	0.0	-1	FALSE
Dec-10-22 03:00	3	55	67	69	42	52	47	58	44	57	53	12	77	0.0	-2	FALSE
Dec-10-22 04:00	3	53	64	67	42	51	48	56	46	56	55	11	76	0.0	-2	FALSE
Dec-10-22 05:00	3	51	64	67	41	50	47	55	47	56	47	10	73	0.0	-2	FALSE
Dec-10-22 06:00	3	49	61	65	45	49	46	55	45	55	53	10	76	0.0	-2	FALSE
Dec-12-22 07:00	4	53	65	68	54	54	48	58	50	58	57	8	18	0.0	-4	FALSE
Dec-12-22 08:00	4	55	63	66	51	55	48	59	49	59	61	8	7	0.0	-4	FALSE
Dec-12-22 09:00	4	55	67	69	53	53	45	51	47	50	51	6	23	0.0	-4	FALSE
Dec-12-22 10:00	4	54	67	69	50	51	44	54	46	54	52	4	47	0.0	-3	FALSE
Dec-12-22 11:00	4	46	46	47	46	48	40	45	42	45	49	3	138	0.0	-2	FALSE
Dec-12-22 12:00	4	53	63	66	53	51	44	54	46	53	52	3	28	0.0	-2	FALSE
Dec-12-22 13:00	4	52	63	66	49	51	46	54	47	53	54	4	25	0.0	-2	FALSE
Dec-12-22 14:00	4	60	65	70	50	54	47	55	48	56	54	4	28	0.0	-2	FALSE
Dec-12-22 15:00	4	56	67	71	50	55	47	56	50	56	54	3	24	0.0	-2	FALSE
Dec-12-22 16:00	4	56	63	66	49	56	46	54	49	54	54	2	114	0.0	-3	FALSE
Dec-12-22 17:00	4	58	63	67	49	53	46	54	47	55	56	5	9	0.0	-3	FALSE
Dec-12-22 18:00	4	51	63	68	49	54	47	54	48	55	54	7	237	0.0	-3	FALSE
Dec-12-22 19:00	4	55	60	64	50	53	47	52	47	53	54	6	235	0.0	-3	FALSE
Dec-12-22 20:00	4	52	67	70	46	55	45	56	44	57	53	5	125	0.0	-3	FALSE
Dec-12-22 21:00	4	50	47	46	44	47	39	43	41	45	49	7	2	0.0	-3	FALSE
Dec-12-22 22:00	4	47	45	45	43	45	38	41	41	43	48	6	9	0.0	-4	FALSE
Dec-12-22 23:00	4	48	48	44	40	44	38	39	40	41	45	6	17	0.0	-5	FALSE
Dec-13-22 00:00	4	51	67	70	48	53	48	56	45	56	52	4	340	0.0	-8	FALSE
Dec-13-22 01:00	4	54	67	70	48	52	49	59	50	59	60	2	224	0.0	-10	FALSE
	4	47	61	64	43	45	39	36	37	40	41	2	189	0.0	-10	FALSE
Dec-13-22 03:00	4	50	64	68	52	51	51	52	50	53	54	2	295	0.0	-10	FALSE
Dec-13-22 04:00	4	36	43	46	37	47	39	42	40	45	47	3	265	0.0	-10	FALSE
Dec-13-22 05:00	4	51	67	71	51	58	50	56	51	59	56	2	307	0.0	-12	FALSE
Dec-13-22 06:00	4	49	48	51		58	49	52	52	55	58	2	318	0.0	-13	FALSE
Dec-13-22 07:00	4	55	65	69		61	53	58	55	62	61	2	292	0.0	-13	FALSE
Dec-13-22 08:00	4	50	50	55		59	51	54	52	56	60	2	266	0.0	-10	FALSE
Dec-13-22 09:00		46	45	52		57	49	51	49	53	55	3	264	0.0	-6	FALSE

			means data	excluded fro	m analysis d	ue to suspe	cted ice accu	imulation				-				
Time	Week	M01	M02	M03	M04	M05	M06	M07	M08	M09	M10	Wind Speed (km/h)	Wind Direction (Deg)	Precipitation (mm)	Temperature (Deg C)	Inclement Weather (True/False)
Dec-13-22 10:00	4	46	44	50	47	52	45	53	49	52	57	4	229	0.0	-3	FALSE
Dec-13-22 11:00	4	53	66	70	44	54	44	55	47	54	54	5	125	0.0	-1	FALSE
Dec-13-22 12:00	4	51	62	65	48	50	42	52	46	50	51	4	8	0.0	0	FALSE
Dec-13-22 13:00	4	51	44	46	43	50	41	50	47	48	50	4	25	0.0	0	FALSE
Dec-13-22 14:00	4	53	65	68	47	52	43	53	47	56	52	3	118	0.0	0	FALSE
Dec-13-22 15:00	4	51	63	67	48	54	45	56	51	57	57	2	50	0.0	-1	FALSE
Dec-13-22 16:00	4	46	60	66	52	57	49	55	53	57	59	2	258	0.0	-3	FALSE
Dec-13-22 17:00	4	53	63	67	52	58	49	57	53	61	59	2	326	0.0	-8	FALSE
Dec-13-22 18:00	4	52	66	70	54	58	48	60	51	63	59	1	272	0.0	-9	FALSE
Dec-13-22 19:00	4	59	60	64	53	57	50	55	51	58	58	2	246	0.0	-10	FALSE
Dec-13-22 20:00	4	52	61	65	50	57	48	54	50	57	59	1	314	0.0	-11	FALSE
Dec-13-22 21:00	4	55	65	70	52	57	47	57	51	59	58	3	274	0.0	-12	FALSE
Dec-13-22 22:00	4	51	49	54	48	53	44	49	46	51	54	2	312	0.0	-12	FALSE
Dec-13-22 23:00	4	55	66	68	48	55	50	59	49	59	62	2	250	0.0	-9	FALSE
Dec-14-22 00:00	4	54	68	71	48	53	48	50	46	54	54	4	228	0.0	-7	FALSE
Dec-14-22 01:00	4	43	40	50	40	52	45	54	45	59	53	5	123	0.0	-7	FALSE
Dec-14-22 02:00	4	37	38	44	39	42	39	37	38	42	44	2	297	0.0	-8	FALSE
Dec-14-22 03:00	4	36	38	44	39	41	40	38	39	43	43	2	307	0.0	-9	FALSE
Dec-14-22 04:00	4	49	65	69	46	51	45	59	44	59	54	2	323	0.0	-9	FALSE
Dec-14-22 05:00	4	45	47	47	49	51	51	50	50	52	54	4	131	0.0	-7	FALSE
Dec-14-22 06:00	4	52	50	50	51	52	50	50	51	51	54	4	23	0.0	-7	FALSE
Dec-14-22 07:00	4	52	64	66	54	55	52	58	54	58	55	5	45	0.0	-7	FALSE
Dec-14-22 08:00	4	58	52	52	54	54	51	52	54	52	55	3	24	0.0	-7	FALSE
Dec-14-22 09:00	4	53	64	67	51	55	50	57	52	56	58	4	24	0.0	-6	FALSE
Dec-14-22 10:00	4	54	66	69	50	55	49	56	50	56	57	4	29	0.0	-5	FALSE
Dec-14-22 11:00	4	54	66	67	48	55	47	55	50	55	55	5	45	0.0	-4	FALSE
Dec-14-22 12:00	4	53	67	71	51	55	48	55	49	55	53	5	55	0.0	-3	FALSE
Dec-14-22 13:00	4	49	49	50	50	48	47	51	50	50	53	7	71	0.0	-2	FALSE
Dec-14-22 14:00	4	53	65	68	51	54	52	60	53	60	57	6	80	0.0	-2	FALSE
Dec-14-22 15:00	4	57	68	70	53	55	51	60	54	60	57	8	80	0.0	-2	FALSE
Dec-14-22 16:00	4	55	67	69		55	52	59	55	60	56	7	80	0.0	-3	FALSE
Dec-14-22 17:00	4	55	52	53	54	53	50	52	54	52	54	6	76	0.0	-4	FALSE
Dec-14-22 18:00	4	57	59	61	53	52	50	53	52	53	53	8	83	0.0	-2	FALSE
Dec-14-22 19:00	4	55	53	50	51	51	49	49	49	51	51	10	89	0.0	-2	FALSE
Dec-14-22 20:00	4	57	68	69	52	54	49	58	49	57	54	10	88	0.0	-1	FALSE
Dec-14-22 21:00	4	49	48	51	50	48	51	46	48	50	50	12	88	0.0	-1	FALSE
Dec-14-22 22:00	4	49	49	51	48	49	50	48	49	50	51	12	93	0.0	-1	FALSE
Dec-14-22 23:00	4	44	46	50		51	53	48	51	50	50	12	93		0	FALSE
Dec-15-22 00:00	4	58	66	67	53	55	58	59	55	58	59	15	94	0.0	0	FALSE
Dec-15-22 00:00	4	54	61	64	53	55	60	55	56	58	56	15	91		0	FALSE
Dec-15-22 01:00	4	55	66	67		54 57	61	58	56	60	58	18	90		0	FALSE
Dec-15-22 02:00	4	55	63	66	55	55	59	52	54	57	51	17	89	0.0	0	FALSE
Dec-15-22 03:00	4	58	67	68	55 57	55 56	62	60	58	62	56	17	90	0.0	0	FALSE
000-10-22 04.00	7	50		00	57	50	⁰²	00	50	0Z		17		0.0	v	

			means data	excluded fro	om analysis c	lue to suspe	cted ice accu	umulation				-				
Time	Week	M01	M02	M03	M04	M05	M06	M07	M08	M09	M10	Wind Speed (km/h)	Wind Direction (Deg)	Precipitation (mm)	Temperature (Deg C)	Inclement Weather (True/False)
Dec-15-22 05:00	4	49	63	68	57	58	63	58	57	62	58	19	90	0.0	0	FALSE
Dec-15-22 06:00	4	56	59	62	56	56	62	53	58	60	55	17	91	0.0	0	FALSE
Dec-15-22 07:00	4	52	51	62	58	58	63	55	59	60	57	17	91	2.5	0	TRUE
Dec-15-22 08:00	4	56	65	66	57	58	63	59	58	62	57	20	90	4.2	0	TRUE
Dec-15-22 09:00	4	53	52	62	57	57	64	53	58	62	55	16	84	2.0	0	TRUE
Dec-15-22 10:00	4	58	68	71	58	59	66	58	59	62	58	20	98	8.2	0	TRUE
Dec-15-22 11:00	4	54	51	61	58	57	64	52	58	59	53	7	87	12.1	0	TRUE
Dec-15-22 12:00	4	60	66	71	56	59	62	62	56	64	62	0	0	26.5	0	TRUE
Dec-15-22 13:00	4	56	53	55	52	54	58	52	53	56	54	7	37	1.8	1	TRUE
Dec-15-22 14:00	4	58	64	66	54	62	56	57	54	58	57	12	91	3.2	1	TRUE
Dec-15-22 15:00	4	58	65	67	54	63	53	57	52	59	56	12	93	0.6	2	TRUE
Dec-15-22 16:00	4	58	65	69	54	64	53	58	52	59	56	12	94	2.7	2	TRUE
Dec-15-22 17:00	4	53	49	50	51	60	50	51	50	55	54	10	96	0.4	0	TRUE
Dec-15-22 18:00	4	50	49	50	50	59	49	49	50	53	52	6	63	0.0	0	FALSE
Dec-15-22 19:00	4	56	66	69	49	61	51	55	48	56	53	8	93	0.8	1	TRUE
Dec-15-22 20:00	4	56	66	69	48	60	56	57	46	58	55	9	94	0.9	1	TRUE
Dec-15-22 21:00	4	56	65	68	48	60	56	55	46	56	54	8	92	1.3	1	TRUE
Dec-15-22 22:00	4	46	45	47	46	56	54	45	44	49	48	8	92	0.0	1	FALSE
Dec-15-22 23:00	4	52	56	48	44	55	57	44	45	47	46	9	92	2.5	1	TRUE
Dec-16-22 00:00	4	51	66	68	48	58	55	54	44	54	50	9	93	0.0	2	FALSE
Dec-16-22 01:00	4	57	66	70	48	60	56	59	46	58	59	9	95	0.5	2	TRUE
Dec-16-22 02:00	4	48	60	64	43	53	52	49	38	49	48	7	98	0.2	2	TRUE
Dec-16-22 03:00	4	51	63	66	45	56	55	54	43	53	52	6	100	0.0	2	FALSE
Dec-16-22 04:00	4	40	37	46	38	52	51	41	39	43	43	3	158	0.0	1	FALSE
Dec-16-22 05:00	4	48	62	66	48	59	56	49	41	51	52	3	221	0.0	1	FALSE
Dec-16-22 06:00	4	51	62	67	48	62	57	51	46	53	55	3	233	0.0	1	FALSE
Dec-16-22 07:00	4	52	63	67	50	65	58	53	48	55	59	3	303	0.0	1	FALSE
Dec-16-22 08:00	4	56	49	50	50	64	52	49	45	54	58	2	287	0.0	1	FALSE
Dec-16-22 09:00	4	52	64	68	48	61	56	52	47	53	56	2	265	0.0	1	FALSE
Dec-16-22 10:00	4	53	46	47	46	59	48	45	41	50	53	3	268	0.0	2	FALSE
Dec-16-22 11:00	4	52	66	71	53	60	60	52	47	52	55	3	275	0.0	3	FALSE
Dec-16-22 12:00	4	54	61	67	49	62	54	50	45	52	55	3	249	0.0	3	FALSE
Dec-16-22 13:00	4	53	65	70	52	62	56	51	47	53	57	3	248	0.0	3	FALSE
Dec-16-22 14:00	4	50	61	67	50	64	56	49	44	54	58	4	246	0.0	3	FALSE
Dec-16-22 15:00	4	51	62	68	53	66	57	53	50	57	60	6	243	0.0	2	FALSE
Dec-16-22 16:00	4	51	64	70	56	64	61	53	48	56	58	3	227	0.0	1	FALSE
Dec-16-22 17:00	4	52	64	69	53	62	58	51	48	54	57	2	237	0.0	1	FALSE
Dec-16-22 18:00	4	47	49	49	44	62	51	48	43	54	58	3	237	0.0	1	FALSE
Dec-16-22 19:00	4	47	53	58	44	60	50	47	40	53	55	4	226	0.0	0	FALSE
Dec-16-22 20:00	4	51	64	69	53	59	59	49	46	53	53	3	216	0.0	0	FALSE
Dec-16-22 21:00	4	52	62	66	49	58	52	46	43	51	53	5	227	0.0	0	FALSE
Dec-16-22 22:00	4	47	48	47	42	56	45	43	38	49	52	2	235	0.0	-1	FALSE
Dec-16-22 23:00	4	45	46	47	41	57	44	44	38	50	51	2	211	0.0	-2	FALSE

			means data	excluded fro	om analysis c	lue to suspec	cted ice accu	mulation								
Time	Week	M01	M02	M03	M04	M05	M06	M07	M08	M09	M10	Wind Speed (km/h)	Wind Direction (Deg)	Precipitation (mm)	Temperature (Deg C)	Inclement Weather (True/False)
Dec-17-22 00:00	4	49	62	68	51	56	54	47	43	51	52	1	254	0.0	-3	FALSE
Dec-17-22 01:00	4	49	63	68	54	54	60	51	51	51	52	2	243	0.0	-3	FALSE
Dec-17-22 02:00	4	39	38	44	34	48	41	38	33	43	45	3	245	0.0	-3	FALSE
Dec-17-22 03:00	4	50	62	67	52	49	58	47	47	47	49	4	244	0.0	-2	FALSE
Dec-17-22 04:00	4	51	68	73	58	16	60	48	50	47	50	5	254	0.0	-1	FALSE
Dec-17-22 05:00	4	44	38	64	51	18	57	46	47	47	51	6	243	0.0	-1	FALSE
Dec-17-22 06:00	4	47	61	65	47	20	43	43	36	50	52	6	237	0.0	-1	FALSE

means data discarded from analysis due to noise contamination during equipment maintenance

NOTE:

Inclement weather is considered to have occurred under any of the following conditions:

Wind speed greater than 20 km/hour;

Temperature outside of the operating range defined by the manufacturer of the sound level meter (-20°C to +50°C);

Precipitation has occurred

Complined	I OTAL NO	ise ⊏xpo	sure, Lai	1 - week	i, novem	iber 21 to 25, 2	UZZ	
	Coi	nbined Tota	I Noise Exp	osure, Ldn ((dBA)	Allowable	Exceeda	nce Count
Monitoring Location ID	Mon	Tues	Wed	Thu	Fri	Combined Total Noise Exposure, Ldn (dBA)	Construction related	Total
M01	56	55	57	55	55	60	0	0
M02	67	67	69	67	67	68	0	1
M03	72	72	74	73	71	77	0	0
M04	55	56	55	56	57	59	0	0
M05	59	57	60	57	57	60	0	0
M06	56	55	57	57	57	56	1	3
M07	58	57	61	55	53	61	0	0
M08	56	54	57	54	53	57	0	0
M09	60	59	62	58	56	60	0	1
M10	61	59	62	60	60	62	0	0

Combined Total Noise Exposure, Ldn - Week 1, November 21 to 25, 2022

NOTES:

Exceedances are considered construction-related where construction-like noise has been identified in the sound level meter audio samples and where construction activities within 500 m of the monitoring location have been identified, per the daily progress reports (AECOM) M01 and M02 are >1 km from the limit of Phase 1 Activities

	Con	nbined Tota	Noise Exp	osure, Ldn (dBA)	Allowable	Exceedar	nce Count
Monitoring Location ID	Mon	Tues ¹	Wed ²	Thu	Fri	Combined Total Noise Exposure, Ldn (dBA)	Construction- related	Total
M01	56	58	56	56	54	60	0	0
M02	69	71	65	68	65	68	0	2
M03	74	75	68	72	69	77	0	0
M04	53	55	57	56	53	59	0	0
M05	58	59	59	57	57	60	0	0
M06	53	52	65	57	54	56	1	2
M07	58	63	57	56	55	61	0	1
M08 '	51	53	57	54	53	57	0	0
M09	59	63	59	59	58	60	1	1
M10	59	61	65	60	58	62	0	1
NOTES:		-						

Combined Total Noise Exposure, Ldn - Week 2, November 28 to December 2, 2022

Exceedances are considered construction-related where construction-like noise has been identified in the sound level meter audio samples and where construction activities within 500 m of the monitoring location have been identified, per the daily progress reports (AECOM) M01 and M02 are >1 km from the limit of Phase 1 Activities

1. Ldn is considered not representative since the nighttime period (Tues-Nov-29-22 23:00 to Wed-Nov-30 07:00) had only 2 hours of sound level data unaffected by weather

2. No construction activities occurred on Wed-Nov-30-22 due to weather conditions, per daily progress report (AECOM)

Combined			Sure, Lui	i iicck	, D c c c m	ber 5 to Decen		
	Cor	nbined Tota	I Noise Exp	osure, Ldn (dBA)	Allowable	Exceeda	nce Count
Monitoring Location ID	Mon	Tues	Wed	Thu	Fri	Combined Total Noise Exposure, Ldn (dBA)	Construction related	Total
M01	56	56	55	57	60	60	0	0
M02	68	67	67	69	71	68	0	2
M03	71	71	71	73	73	77	0	0
M04	57	52	52	51	53	59	0	0
M05	58	57	56	57	57	60	0	0
M06	56	51	53	51	55	56	0	0
M07	59	57	56	60	62	61	1	1
M08	55	51	51	52	55	57	0	0
M09	60	58	57	61	62	60	1	2
M10	60	58	58	60	59	62	0	0

Combined Total Noise Exposure, Ldn - Week 3, December 5 to December 9, 2022

NOTES:

Exceedances are considered construction-related where construction-like noise has been identified in the sound level meter audio samples and where construction activities within 500 m of the monitoring location have been identified, per the daily progress reports (AECOM) M01 and M02 are >1 km from the limit of Phase 1 Activities

	Cor	nbined Tota	I Noise Exp	osure, Ldn ((dBA)	Allowable	Exceedar	nce Count
Monitoring Location ID	Mon	Tues	Wed	Thu ¹	Fri	Combined Total Noise Exposure, Ldn (dBA)	Construction- related	Total
M01	57	57	61	55	55	60	0	1
M02	70	68	70	68	68	68	0	2
M03	73	72	72	71	73	77	0	0
M04	54	54	60	53	58	59	0	1
M05	59	59	62	64	63 ²	60	0	2
M06	53	54	66	61	62	56	0	3
M07	60	60	62	57	54	61	0	1
M08	54	54	62	50	52	57	0	1
M09	61	62	65	58	56	60	0	3
M10	61	62	62	57	58	62	0	0

Combined Total Noise Exposure, Ldn - Week 4, December 12 to December 16, 2022

NOTE:

Exceedances are considered construction-related where construction-like noise has been identified in the sound level meter audio samples and where construction activities within 500 m of the monitoring location have been identified, per the daily progress reports (AECOM)

M01 and M02 are >1 km from the limit of Phase 1 Activities 1. No construction activities occurred on Thu-Dec-15-22 due to inclement weather per daily activity reports. Majority of the collected sound level data was contaminated by inclement weather.

2. Ldn may not be representative due to suspected ice accumulation on the sound level meter during the nighttime period

Monitoring Location ID	Existing Percent Highly Annoyed (%)	Cha	nge in Perc	ent Highly /	Allowable	Exceedance Count			
		Mon	Tues	Wed	Thu	Fri	Percent Highly Annoyed Increase (%)	Construction- related	Total
M01	5.3	-0.2	-1.3	0.3	-1.2	-1.2	6.5	0	0
M02	17.4	0.4	0.3	5	0.4	-0.8		0	0
M03	44.1	-15.3	-14.7	-10.7	-13.7	-16.7		0	0
M04	4.7	-0.3	-0.3	-0.5	0.2	0.3		0	0
M05	5.3	1.3	0.3	2.8	-0.1	-0.2		0	0
M06	2.5	2.5	1.5	2.8	2.5	2.7	0.5	0	0
M07	6.8	-0.7	-1.4	2.2	-2.9	-3.4		0	0
M08	3.2	1.4	0.5	1.9	0.3	0.1		0	0
M09	6.0	1.4	0.8	4	-0.3	-1.2		0	0
M10	7.7	0.7	-0.5	2.6	0.2	-0.2		0	0

Change in Percent Highly Annoyed, %HA - Week 1, November 21 to 25, 2022

NOTES:

Exceedances are considered construction-related where construction-like noise has been identified in the sound level meter audio samples and where construction activities within 500 m of the monitoring location have been identified, per the daily progress reports (AECOM) M01 and M02 are >1 km from the limit of Phase 1 Activities

Monitoring Location ID	Existing Percent Highly Annoyed (%)	Cha	nge in Perc	ent Highly A	Allowable	Exceedance Count			
		Mon	Tues ¹	Wed ²	Thu	Fri	Percent Highly Annoyed Increase (%)	Construction- related	Total
M01	5.3	-0.7	0.8	-0.5	-0.7	-1.5		0	0
M02	17.4	4.3	8.1	-3.3	2.4	-4.2		0	1
M03	44.1	-10.1	-6.2	-25	-15	-21.7		0	0
M04	4.7	-1.3	-0.6	0.7	-0.2	-1.3		0	0
M05	5.3	0.9	1.1	1.6	0.3	-0.2		0	0
M06	2.5	0.6	0.5	12.2	3	1	6.5	0	1
M07	6.8	-1.1	3.6	-1.3	-2	-2.8		0	0
M08	3.2	-0.6	-0.1	1.9	0.5	0.2		0	0
M09	6.0	0.7	4.8	0.4	0.6	0		0	0
M10	7.7	-1.1	1	7	0.1	-1.5		0	1

Change in Percent Highly Annoyed, %HA - Week 2, November 28 to December 2, 2022

NOTES:

Exceedances are considered construction-related where construction-like noise has been identified in the sound level meter audio samples and where construction activities within 500 m of the monitoring location have been identified, per the daily progress reports (AECOM)

M01 and M02 are >1 km from the limit of Phase 1 Activities

1. Change in %HA is considered not representative since the nighttime period (Tues-Nov-29-22 23:00 to Wed-Nov-30 07:00) had only 2 hours of sound level data unaffected by weather

2. No construction activities occurred on Wed-Nov-30-22 due to weather conditions, per daily progress report (AECOM)

Monitoring Location ID	Existing Percent Highly Annoyed (%)	Cha	nge in Perc	ent Highly /	Allowable	Exceedance Count			
		Mon	Tues	Wed	Thu	Fri	Percent Highly Annoyed Increase (%)	Construction- related	Total
M01	5.3	-0.4	-0.7	-1.2	-0.2	2.2		0	0
M02	17.4	1.1	0.6	0.4	4.7	8.8		0	1
M03	44.1	-16.6	-18.1	-16.7	-11.7	-12.5		0	0
M04	4.7	0.6	-1.9	-1.7	-2.1	-1.3		0	0
M05	5.3	0.4	-0.2	-0.5	-0.1	0.3		0	0
M06	2.5	2	0.1	0.6	-0.1	1.6	6.5	0	0
M07	6.8	0	-1.3	-2.1	0.9	3		0	0
M08	3.2	0.8	-0.7	-0.8	-0.5	0.9		0	0
M09	6.0	1.4	0.3	-0.8	2.5	3.3		0	0
M10	7.7	-0.2	-1.3	-1.3	0.4	-0.7		0	0

Change in Percent Highly Annoved, %HA - Week 3, December 5 to December 9, 2022

NOTES:

Exceedances are considered construction-related where construction-like noise has been identified in the sound level meter audio samples and where construction activities within 500 m of the monitoring location have been identified, per the daily progress reports (AECOM) M01 and M02 are >1 km from the limit of Phase 1 Activities

Monitoring Location ID	Existing Percent Highly Annoyed (%)	Cha	nge in Perce	ent Highly A	Allowable	Exceedance Count			
		Mon	Tues	Wed	Thu ¹	Fri	Percent Highly Annoyed Increase (%)	Construction- related	Total
M01	5.3	0.1	-0.1	3.4	-1	-1.2		0	0
M02	17.4	5.7	2.2	5.3	1.2	2.3		0	0
M03	44.1	-12.3	-15.9	-15.7	-17.3	-11.7		0	0
M04	4.7	-0.9	-1.1	3.4	-1.5	1.6		0	0
M05	5.3	1.8	1.2	3.9	7.3	6.1 ²	C E	0	1
M06	2.5	0.8	1	12.9	6.2	7.6	-6.5 	0	2
M07	6.8	0.9	1.1	3.5	-1.4	-3.3		0	0
M08	3.2	0.4	0.4	6.1	-0.9	-0.3		0	0
M09	6.0	2.8	3.9	7.7	-0.1	-1.3		0	1
M10	7.7	0.9	1.9	2.2	-2.1	-1.4		0	0

Change in Percent Highly Annoyed, %HA - Week 4, December 12 to December 16, 2022

NOTES:

Exceedances are considered construction-related where construction-like noise has been identified in the sound level meter audio samples and where construction activities within 500 m of the monitoring location have been identified, per the daily progress reports (AECOM)

M01 and M02 are >1 km from the limit of Phase 1 Activities

1. No construction activities occurred on Thu-Dec-15-22 due to inclement weather per daily activity reports. Majority of the collected sound level data was contaminated by inclement weather. 2. % HA may not be representative due to suspected ice accumulation on the sound level meter during the nighttime period