



CERTIFICATE OF SUBSTANTIAL PERFORMANCE OF THE CONTRACT

Greater Toronto Airports Authority
3111 Convair Dr, Mississauga, ON L5P 1B2

This is to certify that the following improvement:

GTAA 2024 Airside Pavement Restoration
(Project Name)

Contract # 6002934
(Contract Number)

At the following premises:

Toronto Pearson International Airport
P.O. Box 6031, 3111 Convair Drive, Toron to AMF, Ontario L5P 1B2
(Street address or the location of the premises)

Achieved Substantial Performance on:

November 16, 2024
(Substantial Performance date)

Date Certificate Signed

December 12, 2024
(Date of signatures)

With Payment Certifier:

Without Payment Certifier

Abraham Ahumada

Name and signature of certifier

Name and Signature of Owner

Name and Signature of Contractor

Name of Contractor

Pave-AI Limited

Address of Contractor

**1250 Shawson Dr, Mississauga, ON
L4W 1C3**

Name of Payment Certifier
(where there is one)

Abraham Ahumada

Address of Payment Certifier

**Hatch Ltd.
2800 Speakman Dr. Mississauga, ON, Canada L5K 2R7**

Identification of Premise as per attached

Outstanding deficiencies are listed on the Deficiencies List attached to this Certificate

[SCHEDULE "X"]

TORONTO PEARSON INTERNATIONAL AIRPORT

LEGAL DESCRIPTION

Peel Land Titles

In the City of Mississauga, in the Regional Municipality of Peel, in the Province of Ontario, registered in the Land Registry Office for the Land Titles Division of Peel (No. 43) being composed of:

1stly: PIN 13526-0011 (LT)

Lot 1, Registrar's Compiled Plan 1004, S/T and T/W Easements described in RO1129884; S/T TT74437, TT91081, TT120053, TT144298, VS248789 and VS390394; Mississauga; T/W Easement as in PR361078.

2ndly: PIN 13526-0001 (LT)

Lot 1, Registrar's Compiled Plan 1006, T/W Easements described in RO1129884; Brampton/Mississauga; T/W Easement as in PR361078.

3rdly: PIN 13526-0002 (LT)

Lot 2, Registrar's Compiled Plan 1006, S/T RO791683; S/T and T/W Easements described in RO1129884; Brampton/Mississauga; T/W Easement as in PR361078.

4thly: PIN 13526-0003 (LT)

Lot 3, Registrar's Compiled Plan 1006, T/W Easements described in RO1129884; Brampton/Mississauga; T/W Easement as in PR361078.

5thly: PIN 13526-0004 (LT)

Lot 4, Registrar's Compiled Plan 1006, T/W Easements described in RO1129884; Brampton/Mississauga; T/W Easement as in PR361078.

6thly: PIN 13526-0005 (LT)

Lot 5, Registrar's Compiled Plan 1006, T/W Easements described in RO1129884; Brampton/Mississauga; T/W Easement as in PR361078.

7thly: PIN 13526-0006 (LT)

Lot 6, Registrar's Compiled Plan 1006, T/W Easements described in RO1129884; Brampton/Mississauga; T/W Easement as in PR361078.

8thly: PIN 13526-0007 (LT)

Lot 7, Registrar's Compiled Plan 1006, S/T and T/W Easements described in RO1129884; S/T Easement 163646VS; Brampton/Mississauga; T/W Easement as in PR361078.

9thly: PIN 13526-0008 (LT)

Lot 8, Registrar's Compiled Plan 1006, T/W Easements described in RO1129884; Brampton/Mississauga; T/W Easement as in PR361078.

10thly: PIN 13526-0009 (LT)

Lot 9, Registrar's Compiled Plan 1006, T/W Easements described in RO1129884; Brampton/Mississauga; T/W Easement as in PR361078.

11thly: PIN 13263-0105 (LT)

Lot 10, Registrar's Compiled Plan 1006, Mississauga; S/T Right in VS236038; S/T RO699556 and TT143798; Mississauga; T/W Easement as in PR361078.

12thly: PIN 13281-0038 (LT)

Lot 11, Registrar's Compiled Plan 1006, Toronto; S/T VS135754; Mississauga; T/W Easement as in PR361078.

13thly: PIN 13281-0030 (LT)

Lot 12, Registrar's Compiled Plan 1006, Toronto; Mississauga; T/W Easement as in PR361078.

14thly: PIN 13281-0026 (LT)

Lot 13, Registrar's Compiled Plan 1006, Toronto; Mississauga; T/W Easement as in PR361078.

15thly: PIN 13281-0040 (LT)

Lot 14, Registrar's Compiled Plan 1006, Toronto; S/T VS135754; Mississauga; T/W Easement as in PR361078.

- 16thly: PIN 13281-0048 (LT)
Lot 15, Registrar's Compiled Plan 1006, Toronto; T/W VS179365; S/T VS135754; Mississauga; T/W Easement as in PR361078.
- 17thly: PIN 13274-0051 (LT)

Lot 16, Registrar's Compiled Plan 1006, Mississauga; T/W Easement as in PR361078.
- 18thly: PIN 13273-0369 (LT)

Lot 17, Registrar's Compiled Plan 1006, Mississauga; S/T TT135084 and TT135726; Mississauga; T/W Easement as in PR361078.
- 19thly: PIN 13260-0094 (LT)

Lot 18, Registrar's Compiled Plan 1006, Toronto; Mississauga; T/W Easement as in PR361078.
- 20thly: PIN 13262-0034 (LT)

Lot 19, Registrar's Compiled Plan 1006, Toronto; Mississauga; T/W Easement as in PR361078.
- 21thly: PIN 13526-0010 (LT) **[Elmbank Cemetery Lands]**

Lot 20, Registrar's Compiled Plan 1006, Brampton/Mississauga; T/W Easement as in PR361078.
- 22thly: PIN 13263-0118 (LT)

Parcel Block 6-1, Section 43M-596; Block 6, Plan 43M-596; Mississauga; T/W Easement as in PR361078.
- 23thly: PIN 13262-0014 (LT)

Part of Parcel 6-1, Section 43 TOR GORE 7 S.D.; Part of Lot 6, Concession 7, SDTG, designated as Part 1 on Plan 43R-19167; Mississauga; T/W Easement as in PR361078.
- 24thly: PIN 13262-0042 (LT)

Part of Parcel 6-1, Section 43 TOR GORE 7 S.D.; Part of Lot 6, Concession 7, SDTG, designated as Part 2 on Plan 43R-19167; Mississauga; T/W Easement as in PR361078.

25thly: PIN 13276-0119 (LT) **[Kelly Lands]**

Part of Lot 8, Concession 4, East of Hurontario Street, Toronto as in RO1083835; S/T RO421898; S/T RO556165 and RO556166; Mississauga; T/W Easement over Part of Lot 8, Concession 4, East of Hurontario Street, save and except that part designated as Parts 12, 13, 14, 15 and 16 on Plan 43R-17345 and Parts 3 and 4 on Plan RD291 as in PR361078.

26thly: PIN 13276-0120 (LT) **[Runnymede Lands]**

Parcel 8-10, Section 43 TOR TWP-4 East of Hurontario Street; Part of Lots 8 and 9, Concession 4, East of Hurontario Street, designated as Part 1 on Plan 43R-15952, except Part 1 on Plan 43R-17800; T/W Right over Part 1 on Plan 43R-17800, until dedicated as public highway, as in LT1125349 (S/T TT120053, TT144298 and VS248789), Mississauga; T/W Easement over Part of Lots 8 and 9, Concession 4, East of Hurontario Street, designated as Part 1 on Plan 43R-15952, save and except Part 1 on Plan 43R-17800 as in PR361078.

27thly: PIN 13262-0019 (LT) **[Dorman Road/Slough Lands]**

Part of Lot 6, Concession 7, East of Hurontario Street, Toronto; Part of the Road Allowance between Concessions 7 and 8, East of Hurontario Street, Toronto as closed by VS124286, designated as Parts 1 and 2 on Plan 43R-8871; S/T RO1058691 and VS134244; Mississauga.

28thly: PIN 13262-0015 (LT) **[Dorman Road/Slough Lands]**

Part of Lot 6, Concession 7, East of Hurontario Street, Toronto, designated as Parts 3 and 4 on Plan 43R-8871; S/T VS121384; Mississauga.

29thly: Part of PIN 13260-0166 (LT) **[Boeing Parcel 1 Lands]**

Part of Lots 9 and 10, Concession 6, East of Hurontario Street, Toronto, designated as Parts 11, 14, 15, 16, 25, 26, 27, 28, 34, 35, 36, 37 on Plan 43R-27815; S/T Easement as in RO9080020; S/T RO634341; Mississauga.

Subject to a fee, uninterrupted and unobstructed easement or right in the nature of an easement in favour of Part of Lots 9 and 10, Concession 6, East of Hurontario Street, designated as Parts 1 to 10, inclusive, 12, 13, 17 to 24, inclusive, and 29 to 33, inclusive, on Plan 43R-27815, at all times to enter on, over, under, upon, across and through Part 27 on Plan 43R-27815, for purposes of facilitating the use, operation, maintenance, repair, servicing and/or replacement of the duct bank chamber partially situate on said part 27 and for purposes of permitting at all times the encroachment of the easterly wall of such duct bank chamber on, over, under, upon, across and through said Part 27;A

Subject to a fee, uninterrupted and unobstructed easement or right in the nature of an easement in favour of Part of Lots 9 and 10, Concession 6, at all times to enter on, over, under, upon, across and through Part 27 on Plan 43R-27815, East of Hurontario Street, designated as Parts 1 to 10, inclusive, 12, 13, 17 to 24, inclusive, and 29 to 33, inclusive, on Plan 43R-27815, for purposes of facilitating the use, operation, maintenance, repair, servicing and/or replacement of the duct bank chamber partially situate on said part 28 and for purposes of permitting at all times the encroachment of the easterly wall of such duct bank chamber on, over, under, upon, across and through said Part 28;

Subject to a right-of-way for access in favour of Part of Lots 9 and 10, Concession 6, East of Hurontario Street, designated as Parts 1 to 10, inclusive, 12, 13, 17 to 24, inclusive, and 29 to 33, inclusive on Plan 43R-27815 over Parts 25, 26, 36 and 37 on Plan 43R-27815;

Subject to an easement or right in the nature of an easement for water, sewer and utilities in favour of Part of Lots 9 and 10, Concession 6, East of Hurontario Street, designated as Parts 1 to 10, inclusive, 12, 13, 17 to 24, inclusive, and 29 to 33, inclusive, on Plan 43R-27815 over Parts 25, 26, 26 and 37 on Plan 43R-27815.

30thly: PIN 13527-0068 (LT) **[Alstep Lands]**
Part of Lot 10, Concession 4 EHS Toronto, designated as Parts 11, 12, 13, 14, 15 and 16 on Reference Plan 43R-23587, City of Mississauga, subject to RO1182169 and RO1182171, together with a right of way in RO1182170 and together with a right of way in RO1182171.

31stly: **[Highway 409 Lands]**

- (a) Part of PIN 13260-0014 (LT)
Part of Lot 7, Concession 8, East of Hurontario Street (Geographic Township of Toronto) designated as Part 4 on Plan 43R-29922, City of Mississauga, Regional Municipality of Peel; and
- (b) PIN 13262-0017 (LT)
Part of Lot 6, Concession 7, East of Hurontario Street (Geographic Township of Toronto) designated as Part 1 on Plan 43R-29945, City of Mississauga, Regional Municipality of Peel; and
- (c) PIN 13262-0020 (LT)
Part of Lots 5 and 6 and Part of the Road Allowance between Lots 5 and 6, Concession 7, East of Hurontario Street (Geographic Township of Toronto) designated as Parts 3, 4, 5 and 9 on Plan 43R-24544, Part 1 on Plan 43R-29072 and Part 1 on Plan 43R-25309, City of Mississauga, Regional Municipality of Peel; and

- (d) PIN 13262-0021 (LT)
Part of the Road Allowance between Concessions 7 and 8, East of Hurontario Street (Geographic Township Of Toronto) designated as Part 4 on Plan 43R-29072, City of Mississauga, Regional Municipality of Peel; and
- (e) Part of PIN 13262-0022 (LT)
Part of Lots 6 and 7, Concession 8 and Part of the Road Allowance between Concessions 7 and 8, East of Hurontario Street (Geographic Township Of Toronto) designated as Parts 3, 5, 6 and 9 on 43R-29072, Part 2 on Plan 43R-24544, Part 2 on Plan 43R-25309 and Part 1 on Plan 43R-29922, City of Mississauga, Regional Municipality of Peel; and
- (f) PIN 13262-0023 (LT)
Part of Lot 6, Concession 7, East of Hurontario Street (Geographic Township of Toronto) designated as Part 2 on Plan 43R-29072 and Parts 6 and 11 on Plan 43R-24544, City of Mississauga, Regional Municipality of Peel; and
- (g) PIN 13262-0035 (LT)
Part of Lot 6, Concession 7, East of Hurontario Street (Geographic Township of Toronto) designated as Part 8 on Plan 43R-24544, City of Mississauga, Regional Municipality of Peel; and
- (h) PIN 13262-0038 (LT)
Part of Lots 5 and 6, and Part of the Road Allowance between Lots 5 and 6, Concession 7, East of Hurontario Street (Geographic Township of Toronto) designated as Part 10 on Plan 43R-24544, City of Mississauga, Regional Municipality of Peel; and
- (i) PIN 13262-0095 (LT)
Part of Lot 6, Concession 8, East of Hurontario Street (Geographic Township of Toronto) designated as Part 7 on Plan 43R-29072, City of Mississauga, Regional Municipality of Peel; and
- (j) PIN 13262-0187 (LT)
Part of Lot 6 and Part of the Road Allowance between Lots 5 and 6, Concession 7, East of Hurontario Street (Geographic Township of Toronto) designated as Parts 1, 2 and 3 on Plan 43R-25403, City of Mississauga, Regional Municipality of Peel; and
- (k) PIN 13260-0315 (LT)
Part of Lot 7, Concession 8, East of Hurontario Street (Geographic Township of Toronto) designated as Parts 2 and 3 on Plan 43R-29922, City of Mississauga, Regional Municipality of Peel.

32ndly: 13260-0324 (LT) [**Boeing Middle Parcel Lands**]
Part of Lots 9 and 10, Concession 6, East of Hurontario Street, City of Mississauga, Regional Municipality of Peel, designated as Parts 1, 2, 3, 4, 5, 6, 7, 8 and 9, Plan 43R-33107.

33rdly: Part of PIN No. 13260-0344 (LT) [**Boeing Parcel 3 Lands**]
PT LT 10, CON 6, EHS, TORONTO, DESIGNATED AS PARTS 1 TO 13 INCLUSIVE ON PLAN 43R-33513; CITY OF MISSISSAUGA, REGIONAL MUNICIPALITY OF PEEL.

TOGETHER WITH AN EASEMENT AS IN R0609809; TOGETHER WITH AN EASEMENT AS IN R0807925.

SUBJECT TO AN EASEMENT OVER PTS 8 & 11 PL 43R33513 IN FAVOUR OF THE CONSUMERS GAS COMPANY AS IN TT16365; SUBJECT TO AN EASEMENT FOR ENTRY AS IN R063431; SUBJECT TO AN EASEMENT OVER PTS 6, 11 & 12 PL 43R33513 IN FAVOUR OF MISSISSAUGA HYDRO-ELECTRIC COMMISSION AS IN R063431; TOGETHER WITH EASEMENTS A PR1068447; TOGETHER WITH EASEMENTS AS IN PR1873026;

RESERVING A FREE, UNINTERRUPTED AND UNOBSTRUCTED EASEMENT OR RIGHT IN THE NATURE OF AN EASEMENT IN FAVOUR OF PT LT 10 CON 6 EHS DES PTS 1 TO 13 PL 43R33514 AT ALL TIMES TO ENTER ON, OVER, UNDER, UPON, ACROSS AND THROUGH PT 13 PL 43R33513 FOR PURPOSES OF FACILITATING THE PLACEMENT, USE, OPERATION, MAINTENANCE, REPAIR, SERVICING AND/OR REPLACEMENT OF UNDERGROUND SEWER LINES.

Toronto Land Titles

In the City of Toronto (formerly the City of Etobicoke, in the Municipality of Metropolitan Toronto), in the Province of Ontario, registered in The Land Titles Division of the Toronto Registry Office No. 66 (formerly the Land Registry Office for the Land Titles Division of Metropolitan Toronto (No. 66)) being composed of:

1stly: PIN 07633-0001 (LT)

Lot 1, Registrar's Compiled Plan 12114, S/T and T/W Easements described in CA440644; Etobicoke; T/W an Easement over Registry Office Lands described as Part of Lot 19, Concession 3, FTH, designated as Part 1 on Plan 66R-19891 as in Certificate of Easement AT97652, Certificate of Easement with respect to this Easement was filed in the Registry Office as CA798165, City of Toronto.

2ndly: PIN 07633-0002 (LT)

Lot 2, Registrar's Compiled Plan 12114, S/T and T/W Easements described in CA440644; Etobicoke; T/W an Easement over Registry Office Lands described as Part of Lot 19, Concession 3, FTH, designated as Part 1 on Plan 66R-19891 as in Certificate of Easement AT97652, Certificate of Easement with respect to this Easement was filed in the Registry Office as CA798165, City of Toronto.

3rdly: PIN 07424-0038 (LT)

Lot 3, Registrar's Compiled Plan 12114, Etobicoke, S/T TB351006; Toronto (Etobicoke); City of Toronto.

4thly: PIN 07424-0209 (LT)

Lot 4, Registrar's Compiled Plan 12114, Etobicoke, S/T CA321339 and CA353095; Toronto (Etobicoke); City of Toronto.

5thly: **[Highway 409 Lands]**

- (a) Part of PIN 07419-0020 (LT)
Parts of Lot 25, Concession 4, Fronting the Humber, (Geographic Township of Etobicoke) and Parts of the Road Allowance between Concession 4, Fronting the Humber, (Geographic Township of Etobicoke) and the Township of Toronto designated as Parts 1, 3, 5, 6 and 7 on Plan 66R-21014, City of Toronto; and
- (b) Part of PIN 07418-0036 (LT)
Part of Lot 25, Concession 4, Fronting the Humber (Geographic Township of Etobicoke) designated as Part 4 on Plan 66R-21014, City of Toronto; and
- (c) Part of PIN 07420-0041 (LT)
Part of Lot 24, Concession 4, Fronting the Humber (Geographic Township of Etobicoke) designated as Part 2 on Plan 66R-21014, City of Toronto; and
- (d) PIN 07420-0043 (LT)
Part of the Road Allowance between Concession 4, Fronting the Humber (Geographic Township of Etobicoke) and the Township of Toronto designated as Part 1 on Plan 66R-18746, City of Toronto.

Deficiency List & Outstanding Items – WP 1 (RWY 15R-33L)

Date: Dec 5, 2024


Contractor:	Pave-AI	Client:	Greater Toronto Airports Authority (GTAA)
Contract Name:	2024 Airside Pavement Restoration	Project No:	H373439
		Rev.:	1

Item No.	Phase	Description	Date			Action By
			Advised	Status	Comments	
1	All	Outstanding: -Replace all airfield guidance signs with new LED Crouse Hinds type. -Install new bird spikes on new LED Crouse Hinds signs. -Provide sign model numbers and transformer sizes on as-built red line drawings. -Use of Hilti anchor bolts as per GTAA standard drawing	2024-06-28	Not Complete	Work planned for Spring 2025 Refer to map attached for locations	Tristar
2	1	Deficiency: Asphalt cold joints	2024-04-22	Not Complete	Work planned for Spring 2025 NCR #1 – Refer to map attached in NCR #1. Resolution and repair discussed in NCR meeting #1.	Pave-AI
3	2.2	Outstanding: Handwritten tags to be replaced at PP-8444 and PP-8446 to be replaced.	2024-05-14	Not Complete	Work planned for Spring 2025	Tristar
4	2.2	Outstanding: Unconnected ground connection at PP-8444	2024-05-14	Not Complete	Work planned for Spring 2025	Tristar
5	3.1	Deficiency: #6AWG green cable slack between transformers required at min. 500mm at PP-8542	2024-05-14	Not Complete	Work planned for Spring 2025	Tristar
6	4, 5, 6, 7, 8	Outstanding: Gasket on guidance sign base-can covers for multiple transformers	2024-06-28	Not complete	Work planned for Spring 2025	Tristar

Deficiency List & Outstanding Items – WP 1 (RWY 15R-33L)

Date: Dec 5, 2024


Contractor:	Pave-AI	Client:	Greater Toronto Airports Authority (GTAA)
Contract Name:	2024 Airside Pavement Restoration	Project No:	H373439
		Rev.:	1

Item No.	Phase	Description	Date			Action By
			Advised	Status	Comments	
7	8	Outstanding: Replace inset fixture with LED type (33L-F3-HSTO-00-028). Currently installed with “852C3-GY-12F-P1-S619 PRO III T/W Light”	2024-06-28	Not complete	Work planned for Spring 2025	Tristar
8	4	Outstanding: Correct inset fixtures 15R-33L-RIEL-00-017, 029 & 065 to be towed towards the runway centerline. 	2024-07-24	Not complete	Work planned for Spring 2025	Tristar
9	1	Outstanding: Waterblast and re-paint the taxiway side stripes and demarcation bar according to updated locations	2024-10-16	Not Complete	Work planned for Spring 2025	Pave-AI
10	8	Outstanding: Thermoplastic Sign Markings F3 & T	2024-10-29	Not Complete	Work planned for Spring 2025	Pave-AI

Deficiency List & Outstanding Items – Work Package 2

Date: Dec 5, 2024

Contractor:	Pave-Al	Client:	Greater Toronto Airports Authority (GTAA)
Contract Name:	2024 Airside Pavement Restoration	Project No:	H373439
		Rev.:	1

Item No.	Phase	Description	Date			Action By
			Advised	Status	Comments	
1	1	Outstanding: Taxi R, Pullpit repairs (PP-379, PP-3795b, PP-8143) – Full replacement	2024-10-29	Not Complete	Pullpit PP-379 complete Remaining pullpit replacements planned for Spring 2025	Tristar
2	1	Outstanding: Taxi R, Pullpit inventory, reduce and tidy up content (PP-544, PP-373, PP-XX2)	2024-10-29	Not Complete	Work planned for Spring 2025	Tristar
3	1	Outstanding: Taxi R, Pullpit miscellaneous work (PP-7855, PP-550)	2024-10-29	Not Complete	Work planned for Spring 2025	Tristar
4	1	Outstanding: Saw cut and seal concrete encased conduit trenches for 15L-33R-REL-00-053 and 15L-33R-RIEL-00-051	2024-10-29	Not complete	Work planned for Spring 2025	Pave-Al
5	1	Deficiency: Thermoplastic North of Centerline on TXY R Non-complaint. 	2024-11-14	Not complete	Removal and reinstallation planned for Spring 2025	PaveAl/Hi-Lite

Deficiency List & Outstanding Work– Work Package 3

Date: Dec 12, 2024






Contractor:	Pave-AI	Client:	Greater Toronto Airports Authority (GTAA)
Contract Name:	2024 Airside Pavement Restoration	Project No:	H373439
		Rev.:	2

Item No.	Phase	Description	Date			Action By
			Advised	Status	Comments	
1	1	Outstanding: Replace road holding position lights with elevated mount to match existing site conditions Foxtrot-Thp-00-093/091 & 072/070, Victor-Rhp-00-055/057	2024-08-07	Not Complete	Work planned for Spring 2025	Tristar
2	1/2/3	Outstanding: -Replace all airfield guidance signs with new LED Crouse Hinds type (Guidance signs 6.11, 6.12, 6.13, 6.09 & 6.10) -Install new bird spikes on new LED Crouse Hinds signs. -Provide sign model numbers and transformer sizes on as-built red line drawings. -Use of Hilti anchor bolts as per GTAA standard drawing	2024-08-07	Not Complete	Work planned for Spring 2025 Refer to map attached for locations	Tristar
3	2/3	Outstanding: Replace chipped snowplow ring at fixture Taxilaneone-Tel-00-007	2024-08-07	Not Complete	Work planned for Spring 2025	Tristar
4	2/3	Outstanding: Replaced damaged pullpits (PP-029, PP-6856, PP-6855, PP-578, PP10934, PP-10421 & Foxtrot-Rhp-00-093)	2024-08-07	Not Complete	Work planned for Spring 2025	Tristar
5	1	Outstanding: Pothole in Vehicle Corridor	2024-09-23	Not Complete	CDF Comments Work planned for Spring 2025	Pave-AI

Deficiency List & Outstanding Work– Work Package 3

Date: Dec 12, 2024



Contractor:	Pave-AI	Client:	Greater Toronto Airports Authority (GTAA)
Contract Name:	2024 Airside Pavement Restoration	Project No:	H373439
		Rev.:	2

Item No.	Phase	Description	Date			Action By
			Advised	Status	Comments	
						
6	2	Outstanding: Surface voids / Surface defects   	2024-09-05	Not Complete	CDF Comments Work planned for Spring 2025	Pave-AI
7	2	Outstanding: CDF Bollard 	2024-09-13	Not Complete	CDF Comments Work planned for Spring 2025	Pave-AI

Deficiency List & Outstanding Work– Work Package 3

Date: Dec 12, 2024



Contractor:	Pave-AI	Client:	Greater Toronto Airports Authority (GTAA)
Contract Name:	2024 Airside Pavement Restoration	Project No:	H373439
		Rev.:	2

Item No.	Phase	Description	Date			Action By
			Advised	Status	Comments	
8	2	Outstanding: Sealant pulled out.  	2024-09-15	Not Complete	CDF Comments Work planned for Spring 2025	Pave-AI

Deficiency List & Outstanding Work – Work Package 4

Date: Dec 5, 2024

Contractor:	Pave-AI	Client:	Greater Toronto Airports Authority (GTAA)
Contract Name:	2024 Airside Pavement Restoration	Project No:	H373439
		Rev.:	2

Item No.	Phase	Description	Date			Action By
			Advised	Status	Comments	
1	1	<p>Outstanding: Intermediate hold position lights have the wrong fixture type (Currently using TCLI-AP1-YN-13-SES-P1-0-0 fixtures. As per the IFC drawings should be TCLI-AP1-YN-12-SES-P1-0-0. 3 lights total.</p> 	2024-05-31	Not Completed	Work planned for Spring 2025	Tristar
2	1/1a	<p>Deficiency: Missing top soil and SOD around sign [←-A H] – Sign 3.52</p> 	2024-06-03	Not Completed	Work planned for Spring 2025	Pave-AI

Deficiency List & Outstanding Work – Work Package 4

Date: Dec 5, 2024



Contractor:	Pave-Al	Client:	Greater Toronto Airports Authority (GTAA)
Contract Name:	2024 Airside Pavement Restoration	Project No:	H373439
		Rev.:	2

Item No.	Phase	Description	Date			Action By
			Advised	Status	Comments	
3	2	Deficiency: Crack in asphalt along TWY B centerline	2024-10-03	Not Completed	Work planned for Spring 2025 Crack has been surface seal coat with sand additive, GTAA requested the area be repaved.	
4	2	Deficiency: Guidance signs have incorrect spacing from taxiway side stripe marking (7.51 and 7.50)	2024-10-03	Not Completed	Work planned for Spring 2025 Refer to map attached for locations	Tristar
5	1 & 2	Outstanding: -Replace all airfield guidance signs with new LED Crouse Hinds type (Guidance signs 3.27, 3.51, 3.52, 7.45, 7.46, 7.47, 7.50, 7.53) -Install new bird spikes on new LED Crouse Hinds signs. -Provide sign model numbers and transformer sizes on as-built red line drawings. -Use of Hilti anchor bolts as per GTAA standard drawing	2024-10-03	Not Completed	Work planned for Spring 2025 Refer to map attached for locations	Tristar
6	2	Outstanding: Install bird spikes, side reflective strip, etc. on new guidance signs (7.44, 7.51 & 7.52)	2024-10-03	Not Completed	Work planned for Spring 2025	Tristar
7	2	Outstanding: Install gasket for guidance sign steel can with multiple transformers.	2024-10-03	Not Completed	Work planned for Spring 2025	Tristar

Deficiency List & Outstanding Work – Work Package 4

Date: Dec 5, 2024

Contractor:	Pave-Al	Client:	Greater Toronto Airports Authority (GTAA)
Contract Name:	2024 Airside Pavement Restoration	Project No:	H373439
		Rev.:	2

Item No.	Phase	Description	Date			Action By
			Advised	Status	Comments	
8	2	Deficiency: Pullpit extension required for PP-11003 	2024-10-03	Not Completed	Work planned for Spring 2025	Tristar
9	2	Deficiency: Grading around manhole collar (MH-M59) 	2024-10-03	Not Completed	Work planned for Spring 2025	Pave-al

Deficiency List & Outstanding Work – Work Package 4

Date: Dec 5, 2024


Contractor:	Pave-AI	Client:	Greater Toronto Airports Authority (GTAA)
Contract Name:	2024 Airside Pavement Restoration	Project No:	H373439
		Rev.:	2

Item No.	Phase	Description	Date			Action By
			Advised	Status	Comments	
10	1&2	Investigate/repair fixtures that did not meet the photometric requirements as noted on the photometric report. AH-TCL-T2-014 H-TCL-00-224 B3TANGENT-TCL-00-006 B-TCL-00-188 BT-TCL-T4-030	2024-11-19	Not Completed	Work tentatively planned for week of Dec 9 th 2024. Refer to map attached for Locations.	Tristar

Deficiency List & Outstanding Work – Work Package 6

Date: Dec 5, 2024

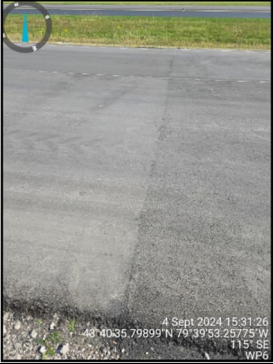
Contractor:	Pave-AI	Client:	Greater Toronto Airports Authority (GTAA)
Contract Name:	2024 Airside Pavement Restoration	Project No:	H373439
		Rev.:	2

Item No.	Phase	Description	Date			Action By
			Advised	Status	Comments	
1	1C	Outstanding: High Voltage Warning Labels on guidance sign steel cans (Sign 1.49) and new pullpits (PP-11511).	2024-08-30	Not Complete	Work planned for Spring 2025	Tristar
2	1A& 1C	Outstanding: Road Holding Position Lights to be elevated to match existing conditions. Juliette-RHP-00-021/023/026/028.	2024-08-30	Not Complete	Work planned for Spring 2025	Tristar
3	All	Outstanding: -Replace all airfield guidance signs with new LED Crouse Hinds type (Guidance signs 1.47, 1.48 & 1.49) -Install new bird spikes on new LED Crouse Hinds signs. -Provide sign model numbers and transformer sizes on as-built red line drawings. -Use of Hilti anchor bolts as per GTAA standard drawing	2024-08-30	Not Complete	Work planned for Spring 2025 Refer to map attached for locations	Tristar
4	All	Outstanding: Aircraft sign marking on service road stop positions 	2024-09-04	Not Complete	Work planned for Spring 2025	Pave-AI

Deficiency List & Outstanding Work – Work Package 6

Date: Dec 5, 2024

Contractor:	Pave-AI	Client:	Greater Toronto Airports Authority (GTAA)
Contract Name:	2024 Airside Pavement Restoration	Project No:	H373439
		Rev.:	2

Item No.	Phase	Description	Date			Action By
			Advised	Status	Comments	
5	All	Outstanding: Joint sealant on service road 	2024-09-04	Not Complete	Work planned for Spring 2025	Pave-AI
6	1A	Outstanding: Repair/Replace damaged thermoplastic markings at TWY J at 05 end of RWY 05-23.	2024-09-30	Not Complete	Work planned for Spring 2025	Pave-AI