

# **APPENDIX 'A'**

# **GEOTECHNICAL REPORT**

## APPENDIX 'A' - GEOTECHNICAL REPORT

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The geotechnical report is provided to aid in the Contractor's evaluation of the existing pavement structure and/or soil conditions. The information presented is considered accurate at the locations shown on the Drawings and at the time of drilling. However, variations in pavement structure and/or soil conditions may exist between test holes and fluctuations in groundwater levels can be expected seasonally and may occur as a result of construction activities. The nature and extent of variations may not become evident until construction commences.

## Geotechnical Report for Henderson Highway (Northbound) – McLeod Avenue to Springfield Road

### Test Hole Locations

Core Location Plan  
Northbound Henderson Highway, McLeod Avenue to Springfield Road



## Summary of Core Samples



**TABLE 1**  
**PAVEMENT CORE SUMMARY**  
**NORTHBOUND HENDERSON HIGHWAY, MCLEOD AVENUE TO SPRINGFIELD ROAD**

Core No.	Core Location	Pavement Structure Thickness (mm)			Comments
		Asphalt	Concrete	Total	
1	Henderson Hwy, northbound curb lane, 0.5 m from curb, 18 m north of McLeod Avenue	70	190	260	Asphalt pavement not bonded to concrete surface Sound concrete below asphalt pavement
2	Henderson Hwy, northbound curb lane, 0.5 m from curb, 20 m north of Oakland Avenue	120	215	335	Asphalt pavement not bonded to concrete surface Sound concrete below asphalt pavement
3	Henderson Hwy, northbound median lane, 0.5 m from curb, 12 m south of Devon Avenue	70	210	290	Asphalt pavement not bonded to concrete surface Sound concrete below asphalt pavement Fractured asphalt due to core recovery methods
4	Henderson Hwy, northbound curb lane, 0.5 m from curb, 22 m south of Cheriton Avenue	115	200	315	Asphalt pavement not bonded to concrete surface Slight deterioration of concrete pavement at bond line with asphalt pavement; sound concrete below
5	Henderson Hwy, northbound curb lane, 0.5 m from curb, 40 m north of Cheriton Avenue	75	200	275	Asphalt pavement not bonded to concrete surface Sound concrete below asphalt pavement
6	Henderson Hwy, northbound median lane, 0.5 m from curb, 51 m north of Hawthorne Avenue	60	195	255	Fractured asphalt pavement 25 below surface Asphalt pavement not bonded to concrete surface Sound concrete below asphalt pavement
7	Henderson Hwy, northbound curb lane, 0.5 m from curb, 48 m north of Kingsford Avenue	110	200	310	Asphalt pavement not bonded to concrete surface Sound concrete below asphalt pavement
8	Henderson Hwy, northbound curb lane, 0.5 m from curb, 28 m north of Edison Avenue	40	190	230	Asphalt pavement not bonded to concrete surface Slight deterioration of concrete pavement at bond line with asphalt pavement; sound concrete below
9	Henderson Hwy, northbound median lane, 0.5 m from curb, 8 m south of McKay Avenue	60	170	230	Severely fractured asphalt pavement Moderate deterioration of concrete pavement at bond line with asphalt pavement; sound concrete below

### Pavement Core Photos



Core no. 1



Core no. 2



Core no. 3



Core no. 4



Core no. 5



Core no. 6



Core no. 7



Core no. 8



**Core no. 9**