

APPENDIX D

Preliminary Unit Costs for Caisson Retaining Wall

DRIC - Below Grade Section
Retaining Walls with 1050 mm Dia Caissons
Hwy 401 at about 7 m below ground level

No.	Item	Quantity	Unit	Unit Price	Cost
1	Supply Equipment for Installing Caissons	1.0	L.S.	\$1,600	\$1,600
2	Caisson Piles (1050 dia)	24.0	m	\$600	\$14,400
3	Capping Beam	3.5	m ³	\$533	\$1,867
4	In Fill Pannel	3.3	m ³	\$533	\$1,778
5	Reinforcement Steel	1.0	t	\$1,667	\$1,667
6	Abutment Backfill		m ³	\$13	\$0
7	Roadway Protection	1.0	L.S.	\$667	\$667
8	Traffic Protection	1.0	L.S.	\$267	\$267
Sub-Total (one side) =					\$22,244
Total (Both Sides) =					\$44,489
Average Unit Cost per meter =					\$45,000

DRIC - Below Grade Section
Retaining Walls with 1050 mm Dia Caissons
Hwy 401 at about 12 m below ground level

No.	Item	Quantity	Unit	Unit Price	Cost
1	Supply Equipment for Installing Caissons	1.0	L.S.	\$1,600	\$1,600
2	Caisson Piles (1050 dia)	39.0	m	\$600	\$23,400
3	Capping Beam	3.5	m ³	\$533	\$1,867
4	In Fill Pannel	5.0	m ³	\$533	\$2,667
5	Reinforcement Steel	1.5	t	\$1,667	\$2,500
6	Abutment Backfill		m ³	\$13	\$0
7	Roadway Protection	1.0	L.S.	\$667	\$667
8	Traffic Protection	1.0	L.S.	\$267	\$267
Sub-Total (one side) =					\$32,967
Total (Both Sides) =					\$65,933
Average Unit Cost per meter =					\$65,000