ENGINEERED COST ESTIMATE WORKSHEET SUMMARY

July 2016 ECE Workbook Version 2016.0

Licensee :	TOLKO Ind Ltd	User:	Tolko Industries Ltd	Date :	Dec.19, 2016
License # :	TFL49				
Cutting Permit # :	991				
Road Permit # :	R07602-249				
Road Group :	9				
Road Section Identifier :	ECE#4				
Road Name:	**Talbot Rd, Gravel pit on private property**				
Road Section Location:	from 0 m to 116 m				
Road Section Length :	116 m.				
Biogeo. Zone :	IDF				
Site Factor :	Good				
Moisture Factor :	Dry - Moist				

ROAD GROUP					
1	**2**	**3**	**4**	**5**	**6**
0	Skeena-Stikine	Nadina	0	Vanderhoof	0
7	**8**	**9**	**10**	**11**	**12**
Peace Fort Nelson	0	Cascades	Rocky Mtn	0	0

Upgrade of roads as per IAM 4.3.3.7.j

Grand Total	**$7,142.82**
Cost per km	**$61,576**
Cost Base Year	**2014**

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Construction Phase	Equipment	Total Hours	Phase Cost	Unit Costs	
R/W Handling	Excavator	**0.00**	**$0.00**	**$0.00**	per ha
Stumping	Excavator	**0.00**	**$0.00**	**$0.00**	per ha
Stripping	Excavator	**0.00**	**$0.00**	**$0.00**	per Bm3
Primary Excavation	Excavator	**0.00**	**$0.00**	**$0.00**	per Bm3
Drilling and Blasting	M32 Tank Drill	**0.00**	**$0.00**	**$0.00**	per Bm3
	Materials	**N/A**	**$0.00**	**$0.00**	per Bm3
Excavate & Load	Excavator	**0.00**	**$0.00**	**$0.00**	per Bm3
Hauling*	Articulated off-highway truck	**0.00**	**$0.00**	**$0.00**	per Bm3
Spreading / Spoil Site	Crawler Tractor	**0.00**	**$0.00**	**$0.00**	per Bm3
Long Push	Crawler Tractor	**27.46**	**$7,142.82**	**$6.79**	per Bm3
Drainage Structures		**N/A**	**$0.00**	**$0.00**	
Grass Seeding		**N/A**	**$0.00**	**$0.00**	per km
Surfacing		**N/A**	**$0.00**	**$0.00**	per km
Mob and Demob		**0.00**	**$0.00**	**$0.00**	per hour
Additional Costs		**N/A**	**$0.00**	**$0.00**	

* Hauling controlled by the excavator