

QUANTITY SHEETS

CONTRACT NO. 20F1 -I €GH

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INDEX

W.P. No. 4169-15-00

Contract No. 2018-4023

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	GRADING
1	Alignment Data

QUANTITIES - MISCELLANEOUS 1

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Location and Position	Clearing	Grubbing													References
Sub - Totals Brought Forward:															
Flagg Road															
9+894 - 9+984; 15.6 LT - 7.1 LT	490	490													
9+957 - 9+973; 6.5 RT- 11.3 RT	66	66													
10+037 - 10+050; 16.2 RT - 7.8 RT	81	81													
10+045 - 10+069; 6.8 LT - 22.5 LT	254	254													
Sub - Totals Carried Forward:	891	891													
TOTALS	(P) 891	(P) 891													
UNIT	m2 (P)	m2 (P)													
ITEM No.	118	119													
Reference															

MINISTRY OF TRANSPORTATION - ONTARIO

CHKD. _____
 APPR. _____
 DATE _____

Clearing and Grubbing

QUANTITIES - GRADING

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SHEET
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MINISTRY OF TRANSPORTATION - ONTARIO

Description	Earth Excavation (Grading)	Reference	Reference															
Sub - Totals Brought Forward:																		
Flagg Road																		
9+677 - 9+968																		
Cut/Fill	1,038																	
Fill Stripping	634																	
10+044 - 10+400																		
Cut/Fill	1,401																	
Fill Stripping	1,103																	
Zeron Road																		
9+940 - 9+966																		
Cut/Fill	313																	
Fill Stripping	21																	
10+003 - 10+060;																		
Cut/Fill	312																	
Fill Stripping	49																	
Highway 401 EBL																		
22+209 - 22+280; 24.5 - 26 RT																		
RT Shoulder	36																	
Sub - Totals Carried Forward:																		
	4,907																	
(P)																		
TOTALS	4,907																	
UNIT	m3 (P)																	
ITEM No.	120																	

Remarks: Volume adjustment factor for earth have been applied to quantities shown.

Reference

Total Stripping		1942
Stripping Available	50%	971
Top Soil Required		602
Stripping Balance		369

CHKD. _____
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Grading

QUANTITIES - HOT MIX AND GRANULAR

W.P. No. 4169-15-00
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SHEET
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Description	Superpave 12.5 - 40 mm Lift Thickness Surface Course	Superpave 12.5 - 40 mm Lift Thickness Binder Course	Superpave 12.5 - 50 mm Lift Thickness Surface Course	Superpave 12.5 - 50 mm Lift Thickness Binder Course 1	Superpave 12.5 - 50 mm Lift Thickness Binder Course 2		Granular A [Base]	Granular B, Type 1 [Subbase]	Granular B, Type 1 [Fill]	Granular B, Type II [Structural Backfill]					References
Sub - Totals Brought Forward:															
Flagg Road															
9+677 - 9+968															
Roadway			1,954				1,804	4,338							
Shoulder			459				34								
Embankment Fill									641						
North Approach Slab	59			59											
Bridge Deck	636	636													
South Approach Slab	59			59											
Flagg Road															
10+044 - 10+400															
Roadway			2,309				2,213	9,715							
Shoulder			557				41								
Embankment Fill									3,566						
Structural Backfill										3,520					
Zeron Road															
9+940 - 9+966															
Roadway			473				467	801							
Shoulder			66				10								
Embankment Fill									1						
10+003 - 10+060															
Roadway			509				515	801							
Shoulder			67				10								
Embankment Fill									22						
Highway 401 WB															
22+190 - 22+305; 2.0 - 2.0 LT															
LT Shoulder	116			116											
Sub - Totals Carried Forward:															
	870	636	6,394	234	0		5,094	15,655	4,230	3,520					
TOTALS	(P)	(P)	(P)	(P)	(P)										
UNIT	m2 (P)	m2 (P)	m2 (P)	m2 (P)	m2 (P)		t	t	t	t					
ITEM No.		124		125			126		127	128					
Reference															
Remarks:															CHKD. _____ APPR. _____ DATE _____

MINISTRY OF TRANSPORTATION - ONTARIO

Hot Mix and Granular

QUANTITIES - HOT MIX AND GRANULAR

W.P. No. 4169-15-00
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SHEET
5

Description	Superpave 12.5 - 40 mm Lift Thickness Surface Course	Superpave 12.5 - 40 mm Lift Thickness Binder Course	Superpave 12.5 - 50 mm Lift Thickness Surface Course	Superpave 12.5 - 50 mm Lift Thickness Binder Course 1	Superpave 12.5 - 50 mm Lift Thickness Binder Course 2		Granular A [Base]	Granular B, Type 1 [Subbase]	Granular B, Type 1 [Fill]	Granular B, Type II [Structural Backfill]						References
	Sub - Totals Brought Forward:	870	636	6,394	234	0		5,094	15,655	4,230	3,520					
22+207 - 22+257; 11.8 - 13.3 LT RT Shoulder	75			75	75		318									
Highway 401 EB																
22+165 - 22+280; 14.1 - 14.3 RT LT Shoulder	120			120												
22+209 - 22+280; 24.5 - 26 RT RT Shoulder	105			105			270									
Sub - Totals Carried Forward:	1,170	636	6,394	534	75		5,682	15,655	4,230	3,520						
	1,170	636	6,394	534	75			15,655	4,230							
	(P)	(M)	(P)	(M)	(P)			(M)	(P)							
TOTALS	1,806	7,003	5,682	19,885	3,520											
UNIT	m2 (P)	m2 (P)	m2 (P)	m2 (P)	m2 (P)		t	t	t	t						
ITEM No.		124		125			126		127	128						
Reference																
Remarks:																CHKD. _____ APPR. _____ DATE _____

MINISTRY OF TRANSPORTATION - ONTARIO

Hot Mix and Granular

QUANTITIES - MISCELLANEOUS 1

W.P. No. 4169-15-00
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SHEET
9

MINISTRY OF TRANSPORTATION - ONTARIO

Location and Position	Removal of Concrete Curb and Gutter [Roadway]		Abandonment of MH's, CB's, DI's and VC's, Partial-Depth [0.3m - 0.6m]	Abandonment of Pipes and Culverts	Removal of Pipes and Culverts [400mm - 500mm CSP]		Removal of Cable Guide Rail [3 Cable]	Removal of Anchor Blocks	Removal of Steel Beam Guide Rail [Single Rail] [Without Channel]				References
Sub - Totals Brought Forward:													
Flagg Road													
9+720 - 9+726; 7.0 - 6.9 LT					6								
9+725 - 9+731; 6.4 - 6.4 RT					6								
9+755; CL					11								
9+853; 5.2 RT								1					
9+853 - 9+952; 5.2 RT - 5.2 RT							99						
9+854; 5.5 LT								1					
9+854 - 9+950; 5.5 LT - 5.1 LT							96						
9+897 - 9+970; 3.7 LT	73												
9+897 - 9+970; 3.7 RT	73												
9+902; 4.5 LT			1	6									
9+902; 4.5 RT			1	6									
9+936 - 9+970; 6.5 RT - 4.7 RT									34				
9+950 - 9+970; 5.2 LT - 4.9 LT									20				
9+952; 5.2 LT								1					
9+953; 5.6 RT								1					
10+042 - 10+114; 4.5 LT - 3.5 LT	72												
10+042 - 10+114; 4.4 RT - 4.1 RT	72												
10+042 - 10+063; 4.8 RT - 5.1 RT									21				
Sub - Totals Carried Forward:													
	290		2	12	23		195	4	75				
	(P)		(P)	(P)	(P)		(P)	(P)	(P)				
TOTALS													
UNIT	m (P)		each (P)	m (P)	m (P)		m (P)	each (P)	m (P)				
ITEM No.	137		138	139	140		141	142	143				
Reference													

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Removals

QUANTITIES - MISCELLANEOUS 1

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MINISTRY OF TRANSPORTATION - ONTARIO

Location and Position	Single Rail SBGR [OPSD 912.185]	Single Rail SBGR with Channel [OPSD 912.130]		Steel Beam Energy Attenuating Terminal System [50:1 Flare]		Temporary Concrete Barrier	Temporary Transition Connection						References
Sub - Totals Brought Forward:													
Flagg Road													
9+799 - 9+815; 4.7 RT				1									
9+815 - 9+948; 4.7 LT	133												
9+834 - 9+850; 4.7 LT				1									
9+850 - 9+948; 4.7 RT	98												
9+948 - 9+968; 4.7 - 5.3 LT		21											
9+948 - 9+968; 4.7 - 5.3 RT		21											
10+044 - 10+064; 5.3 - 4.7 LT		21											
10+044 - 10+064; 5.3 - 4.7 RT		21											
10+064 - 10+238; 4.7 LT	174												
10+064 - 10+215; 4.7 RT	151												
10+215 - 10+232; 4.7 RT				1									
10+238 - 10+254; 4.7 LT				1									
10+316 - 10+331; RT				1									
10+331 - 10+370; 4.7 RT	39												
10+339 - 10+354; LT				1									
10+354 - 10+393; 4.7 LT	39												
10+370 - 10+385; RT				1									
10+393 - 10+408; LT				1									
Sub - Totals Carried Forward:													
	634	84		8		0	0						
	(P)	(P)		(P)		(P)	(P)						
TOTALS													
UNIT	m (P)	m (P)		each (P)		m (P)	each (P)						
ITEM No.	154	155		156		157	152						
Reference													

CHKD. _____
APPR. _____
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SBGR / SBGRS / TCB

QUANTITIES - MISCELLANEOUS 1

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SHEET
15

Location and Position	Topsoil from Stockpiles	Seed and Erosion Control Blanket Standard Roadside Mix Seeding	Light-Duty Silt Fence Barriers	Straw Bale Flow Check Dams									References
Sub - Totals Brought Forward:													
Flagg Road													
9+672 - 9+720; 4.9 - 12.4 LT			50										
9+671 - 9+726; 4.9 - 12.4 RT			56										
9+726 - 9+758; 12.5 - 7.3 LT			33										
9+731 - 9+765; 12.3 - 7.8 RT			33										
9+677 - 10+400	602	12,033											
9+780 - 9+981; 17.3 - 22.2 LT			202										
9+780 - 9+983; 15.3 - 23.8 RT			202										
10+032 - 10+271; 22.6 - 27.9 LT			234										
10+029 - 10+250; 12.4.4 -33.8 RT			249										
10+279 - 10+400; 26.1 - 5.1 LT			131										
10+258 - 10+400; 36.2 - 4.8 RT			160										
Highway 401													
22+159; 5.1 RT				1									
22+201; 17 LT				1									
22+259; 18.5 LT				1									
22+285; 31.0 RT				1									
22+307; 6.0 RT				1									
Zeron Road													
Sub - Totals Carried Forward:													
	602	12,033	1,350	5									
TOTALS													
UNIT	m3	m2 (P)	m (P)	each (P)									
ITEM No.	158	159	160	161									
Reference													
													CHKD. _____ APPR. _____ DATE _____

MINISTRY OF TRANSPORTATION - ONTARIO

Topsoil / Seed and Erosion Control

QUANTITIES - STRUCTURE

W.P. No. 4169-15-00
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4445-02-01 Structural 2	Reinforcing Steel Bar	Stainless Steel Reinforcing Bar	Parapet Wall Railing	Prestressed Concrete Girders NU 1200 Fabrication	Prestressed Concrete Girders NU 1200 Delivery	Prestressed Concrete Girders NU 1200 Installation	Bridge Deck Waterproofing	Form and Fill Grooves	Membrane Reinforcement	Deck Joint Assemblies, Installation	Bearings	Access to Work Area, Work Platform and Scaffolding	Working Slab	CSP For Integral Abutment	References
LUMP SUM															
Flagg Road Bridge Replacement															
	100 %														
		100 %													
			140												
				100 %											
					100 %										
						100 %									
							100 %								
								38.00							
									19.00						
										100 %					
											100 %				
												100 %			
													100 %		
														100 %	
															100 %
	100 %	100 %	140	100 %	100 %	100 %	100 %	38.00	19.00	100 %	100 %	100 %	100 %	100 %	
TOTALS	100 %	100 %	140	(P) 100 %	(P) 100 %	(P) 100 %	(P) 100 %	(P) 38.00	(P) 19.00	(P) 100 %	(P) 100 %	(P) 100 %	(P) 100 %	(P) 100 %	
UNIT	lump sum	lump sum	m (P)	lump sum	lump sum	lump sum	lump sum	m (P)	m (P)	lump sum	lump sum	lump sum	lump sum	lump sum	
ITEM No.	174	175	176	177	178	179	180	181	182	183	184	185	186	187	
Remarks:														CHKD. _____ APPR. _____ DATE _____	

MINISTRY OF TRANSPORTATION - ONTARIO

4445-02-01 Structural 2

