QUANTITY SHEETS

CONTRACT NO. 2021-6048

BOOK 1 OF 1

Ministry of Transportation

Ontario

INDEX

W.P. No. 6811-14-00

Contract No. 2021-6048

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QUANTITIES - MISCELLANEOUS 1

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SHEET 1

Location and Position	*Clearing*		*Grubbing*										References
Sub - Totals Brought Forward:													
Highway 17													
Township of McCoy													
Hare Creek Culvert (Site No. 48E-0024/C0)													
18+957 - 18+995 Lt	182												
18+973 - 18+995 Lt			97										
Sub - Totals Carried Forward:	182		97										
	(P)		(P)										
TOTALS	182		97										
UNIT	m2 (P)		m2 (P)										
ITEM No.	1		2										
Reference													

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MINISTRY OF TRANSPORTATION - ONTARIO

Clearing and Grubbing

QUANTITIES - GRADING

W.P. No. 6811-14-00

Contract No. 2021-6048

SHEET 2

Description	*Earth Excavation (Grading)*	Reference			Reference											
Sub - Totals Brought Forward:																
Highway 17																
Township of McCoy																
Hare Creek Culvert (Site No. 48E-0024/C0)																
18+840 - 18+930																
Fill Stripping	47															
18+976 - 19+111																
Fill Stipping	87															
Sub - Totals Carried Forward:	134															
	(P)															
TOTALS	134															
UNIT	m3 (P)															
ITEM No.	3															

Total Stripping	
Stripping Available	
Top Soil Required	
Stripping Balance	

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

Reference

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MINISTRY OF TRANSPORTATION - ONTARIO

Earth Excavation

QUANTITIES - MISCELLANEOUS

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Contract No. 2021-6048

SHEET 3

Description	Granular Sealing (m2) [Hand Sprayed] [Sealant Type I]	Granular Sealing (m2) [Machine Sprayed] [Sealant Type I]		Tack Coat [Lower Binder]	Tack Coat [Upper Binder]								
Sub - Totals Brought Forward:													
Highway 17													
Township of McCoy													
Hare Creek Culvert (Site No. 48E-0024/C0)													
18+840 - 18+857 Rt		52											
18+840 - 18+865 Lt		69											
18+840 - 18+930 Rt					206								
18+840 - 18+930 Lt					206								
18+845 - 18+930					638								
18+850 - 18+930				600									
18+857 - 18+917 Rt	126												
18+865 - 18+917 Lt	109												
18+917 - 18+930 Rt				28									
18+917 - 18+930 Lt				28									
18+930 - 18+976					572								
18+976 - 19+106					975								
18+976 - 19+101				938									
18+976 - 18+991 Rt				31									
Sub - Totals Carried Forward:	235	121		1,625	2,597								
	(P)	(P)		(P)	(P)								
TOTALS													
UNIT	m2 (P)	m2 (P)		m2 (P)	m2 (P)								
ITEM No.		4			5								

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MINISTRY OF TRANSPORTATION - ONTARIO

Granular Sealing and Tack Coat

QUANTITIES - MISCELLANEOUS

W.P. No. 6811-14-00

Contract No. 2021-6048

SHEET 4

Description	*Granular Sealing (m2) [Hand Sprayed] [Sealant Type I]*	*Granular Sealing (m2) [Machine Sprayed] [Sealant Type I]*		*Tack Coat [Lower Binder]*	*Tack Coat [Upper Binder]*								
Sub - Totals Brought Forward:	235	121		1,625	2,597								
18+976 - 18+991 Lt				31									
18+976 - 19+111 Rt					318								
18+976 - 19+111 Lt					318								
18+991 - 19+083 Lt	193												
18+991 - 19+094 Rt	216												
19+083 - 19+111 Lt		75											
19+094 - 19+111 Rt		52											
Sub - Totals Carried Forward:	644	248		1,656	3,233								
	644 (P)	248 (P)		1,656 (P)	3,233 (P)								
TOTALS		892			4,889								
UNIT	m2 (P)	m2 (P)		m2 (P)	m2 (P)								
ITEM No.		4			5								

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QUANTITIES - MISCELLANEOUS 1

W.P. No. 6811-14-00

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SHEET 5

Location and Position	*Asphalt Spillways*												References
Sub - Totals Brought Forward:													
Highway 17													
Township of McCoy													
Hare Creek Culvert (Site No. 48E-0024/C0)													
18+991 Lt	2												
18+991 Rt	2												
Sub - Totals Carried Forward:	4												
	(P)												
TOTALS	4												
UNIT	m (P)												
ITEM No.	6												
Reference													

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MINISTRY OF TRANSPORTATION - ONTARIO

Asphalt Spillways

QUANTITIES - HOT MIX AND GRANULAR

W.P. No. 6811-14-00

Contract No. 2021-6048

SHEET 6

Description	Superpave 12.5 - 40 mm Lift Thickness Lower Binder	Superpave 12.5 - 40 mm Lift Thickness Upper Binder	Superpave 12.5 - 40 mm Lift Thickness Surface		Superpave 12.5 - 50 mm Lift Thickness Surface		Granular A [Roadway]	Granular A [Shouldering]	Granular A [Approach Slab Base]	Granular A [Wingwall Backfill]		Granular B, Type II [Roadway]	Granular B, Type II [Structure Backfill]	Granular B, Type II [Rip Rap base]		References
Sub - Totals Brought Forward:																
Highway 17																
Township of McCoy																
Hare Creek Culvert (Site No. 48E-0024/C0)																
18+840 - 18+930					675		191	91								
18+840 - 18+930 Rt		206			206											
18+840 - 18+930 Lt		206			206											
18+845 -18+930		638														
18+850 - 18+930	600															
18+917 - 18+930 Rt	28															
18+917 - 18+930 Lt	28															
18+920 - 18+930							68									
18+920 - 18+936 Lt & Rt										3			1,761			
18+928 - 18+951 Lt & Rt														140		
18+930 - 18+936									46							
18+930 - 18+976		572	572													
18+956 - 18+977 Lt & Rt														140		
18+970 - 18+975									46							
18+970 - 18+986 Lt & Rt										3			1,727			
18+976 - 18+991 Rt	31															
18+976 - 18+991 Lt	31															
Sub - Totals Carried Forward:	718	1,622	572		1,087		259	91	92	6		0	3,488	280		
	(P)	(P)	(P)		(P)											
TOTALS																
UNIT	m2 (P)	m2 (P)	m2 (P)		m2 (P)		t	t	t	t		t	t	t		
ITEM No.		7			8			9					10			
Reference																

Remarks:

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MINISTRY OF TRANSPORTATION - ONTARIO

Hot Mix and Granular

QUANTITIES - HOT MIX AND GRANULAR

W.P. No. 6811-14-00

Contract No. 2021-6048

SHEET 7

Description	*Superpave 12.5 - 40 mm Lift Thickness Lower Binder*	*Superpave 12.5 - 40 mm Lift Thickness Upper Binder*	*Superpave 12.5 - 40 mm Lift Thickness Surface*		*Superpave 12.5 - 50 mm Lift Thickness Surface*		*Granular A [Roadway]*	*Granular A [Shouldering]*	*Granular A [Approach Slab Base]*	*Granular A [Wingwall Backfill]*		*Granular B, Type II [Roadway]*	*Granular B, Type II [Structure Backfill]*	*Granular B, Type II [Rip Rap base]*		References
Sub - Totals Brought Forward:	718	1,622	572		1,087		259	91	92	6		0	3,488	280		
18+976 - 18+995							81					621				
18+976 - 19+111					1,013			129								
18+976 - 19+111 Rt		318			318											
18+976 - 19+111 Lt		318			318											
18+976 - 19+106		975														
18+976 - 19+101	938															
18+991 Rt					3											
18+991 Lt					3											
18+995 - 19+100							132									
Sub - Totals Carried Forward:	1,656	3,233	572		2,742		472	220	92	6		621	3,488	280		
	1,656 (P)	3,233 (P)	572 (P)		(P)		472	220	92	6		621	3,488	280		
TOTALS		5,461			2,742			790					4,389			
UNIT	m2 (P)	m2 (P)	m2 (P)		m2 (P)		t	t	t	t		t	t	t		
ITEM No.		7			8			9					10			
Reference																

Remarks:

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MINISTRY OF TRANSPORTATION - ONTARIO

Hot Mix and Granular

QUANTITIES - HOT MIX AND GRANULAR

W.P. No. 6811-14-00

Contract No. 2021-6048

SHEET 8

MINISTRY OF TRANSPORTATION - ONTARIO

Description	*Temporary Hot Mix Pavement*															References
Sub - Totals Brought Forward:																
Highway 17																
Township of McCoy																
Hare Creek Culvert (Site No. 48E-0024/C0)																
Stage 1																
18+825 - 18+860 Rt	8															
18+867 - 19+075 Rt	66															
18+870 - 18+920 Lt	11															
18+986 - 19+071 Lt	19															
19+102 - 19+137 Lt	8															
Stage 2																
18+920 - 18+927 Lt	4															
18+979 -18+986 Lt	4															
Stage 3																
18+920 - 18+930 Rt	7															
18+976 - 18+986 Rt	7															
Sub - Totals Carried Forward:	134															
TOTALS	134															
UNIT	t															
ITEM No.	11															
Reference																

Remarks:

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Temporary Hot Mix Pavement

QUANTITIES - MISCELLANEOUS 1

W.P. No. 6811-14-00

Contract No. 2021-6048

SHEET 9

MINISTRY OF TRANSPORTATION - ONTARIO

Location and Position	*150mm mm Pipe Subdrain [Sleeper Slab Drainage]*												References
Sub - Totals Brought Forward:													
Highway 17													
Township of McCoy													
Hare Creek Culvert (Site No. 48E-0024/C0)													
18+928 - 18+931 o/s 0m to 9m Lt o/s 0m to 9m Rt	29												
18+975 - 18+979 o/s 0m to 9m Lt o/s 0m to 9m Rt	29												
Sub - Totals Carried Forward:	58												
	(P)												
TOTALS	58												
UNIT	m (P)												
ITEM No.	12												
Reference													

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Pipe Subdrains

QUANTITIES - MISCELLANEOUS

W.P. No. 6811-14-00

Contract No. 2021-6048

SHEET 10

Description	Removal of Asphalt Pavement [Full Depth], [Surface]		Removal of Pipes and Culverts [Concrete Arch]		Removal of Cable Guide Rail [3 Cable]	Removal of Anchor Blocks		Removal of Steel Beam Guide Rail [Single Rail] [Without Channel]					
Sub - Totals Brought Forward:													
Highway 17													
Township of McCoy													
Hare Creek Culvert (Site No. 48E-0024/C0)													
Stage 1													
18+917 Lt						1							
18+917 - 19+055 Lt					138								
19+055 Lt						1							
18+920 - 18+986 Lt	293												
Stage 2													
18+901 Rt						1							
18+901 - 19+102 Rt					201								
19+102 Rt						1							
18+920 - 18+986 Rt	456												
18+947 - 18+958 o/s 0m - 21.8m Lt o/s 0m - 21.8m Rt			44										
Stage 3													
18+870 - 18+926 Lt	110												
18+887 - 18+930 Rt	29												
Sub - Totals Carried Forward:	888		44		339	4		0					
	(P)		(P)		(P)	(P)		(P)					
TOTALS													
UNIT	m2 (P)		m (P)		m (P)	each (P)		m (P)					
ITEM No.	13		14		15	16		17					

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MINISTRY OF TRANSPORTATION - ONTARIO

Removals

QUANTITIES - MISCELLANEOUS

W.P. No. 6811-14-00

Contract No. 2021-6048

SHEET 11

MINISTRY OF TRANSPORTATION - ONTARIO

Description	*Removal of Asphalt Pavement [Full Depth], [Surface]*		*Removal of Pipes and Culverts [Concrete Arch]*		*Removal of Cable Guide Rail [3 Cable]*	*Removal of Anchor Blocks*		*Removal of Steel Beam Guide Rail [Single Rail] [Without Channel]*					
Sub - Totals Brought Forward:	888		44		339	4		0					
18+918 - 18+925 Lt								14					
18+976 - 19+067 Rt	58												
18+979 - 19+071 Lt	182												
18+981 - 18+988 Lt								14					
Stage 4													
18+825 - 18+860 Rt	66												
18+840 - 18+920	606												
18+867 - 18+930 Rt	161												
18+976 - 19+075 Rt	232												
18+986 - 19+111	991												
19+102 - 19+137 Lt	69												
Sub - Totals Carried Forward:	3,253		44		339	4		28					
	(P)		(P)		(P)	(P)		(P)					
TOTALS	3,253		44		339	4		28					
UNIT	m2 (P)		m (P)		m (P)	each (P)		m (P)					
ITEM No.	13		14		15	16		17					

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Removals

QUANTITIES - MISCELLANEOUS 1

W.P. No. 6811-14-00

Contract No. 2021-6048

SHEET 12

Location and Position	*Rip-Rap (R-10)*	*Rip-Rap (R-50)*		*Geotextile (Class II) (Non-woven) (FOS 75-150 micron)*			*Protection System*						References
Sub - Totals Brought Forward:													
Highway 17													
Township of McCoy													
Hare Creek Culvert (Site No. 48E-0024/C0)							100 %						
18+928 - 18+936 o/s 8.3m - 9.1m Rt o/s 8.3m - 9.1m Lt	12			3									
18+936 - 18+951		401											
18+956 - 18+970		401											
18+970 - 18+977 o/s 8.3 - 9.1m Rt o/s 8.3m - 9.1m Lt	12			3									
18+973 - 18+994 Lt (Ditch)	56												
18+992 Rt; o/s 8.9m - 20.8m	25			36									
18+992 Lt; o/s 8.9m - 23.4m	24			34									
Sub - Totals Carried Forward:	129	802		76			100 %						
	129 (P)	802 (P)		(P)									
TOTALS		931		76			100 %						
UNIT	m2 (P)	m2 (P)		m2 (P)			lump sum						
ITEM No.		18		19			20						
Reference													

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MINISTRY OF TRANSPORTATION - ONTARIO

Rip-Rap and Geotextile

QUANTITIES - MISCELLANEOUS 1

W.P. No. 6811-14-00

Contract No. 2021-6048

SHEET 13

Location and Position	*Performance Bond*		*Labour and Material Payment Bond*										References
Sub - Totals Brought Forward:													
Highway 17													
Township of McCoy													
Hare Creek Culvert (Site No. 48E-0024/C0)	100 %		100 %										
Sub - Totals Carried Forward:	100 %		100 %										
TOTALS	100 %		100 %										
UNIT	lump sum		lump sum										
ITEM No.	21		22										
Reference													

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Bonding

MINISTRY OF TRANSPORTATION - ONTARIO

QUANTITIES - MISCELLANEOUS 1

W.P. No. 6811-14-00

Contract No. 2021-6048

SHEET 14

MINISTRY OF TRANSPORTATION - ONTARIO

Location and Position	*Small Signs, Ground Mounted, New*		*Small Signs, Removal*		*Temporary Traffic Control Signs*								References
Sub - Totals Brought Forward:													
Highway 17													
Township of McCoy													
Hare Creek Culvert (Site No. 48E-0024/C0)					100 %								
18+926 Rt; o/s 1.0m	1												
18+946 Rt			1										
18+976 Lt			1										
18+980 Lt: o/s 1.0m	1												
18+988 Rt			1										
19+000 Rt; o/s 1.0m	1												
Sub - Totals Carried Forward:	3		3		100 %								
	(P)		(P)										
TOTALS	3		3		100 %								
UNIT	each (P)		each (P)		lump sum								
ITEM No.	23		24		25								
Reference													

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Signs

QUANTITIES - MISCELLANEOUS 1

W.P. No. 6811-14-00

Contract No. 2021-6048

SHEET 15

Location and Position	*Portable Temporary Traffic Signals* [1]	*Flasher Beacons (Temporary)* [2]											References
Sub - Totals Brought Forward:													
HIGHWAY 17													
Township of McCoy													
Hare Creek Culvert (Site No. 48E-00024/C0)													
Sta 18+523 Rt		1											
Sta 18+843; o/s 2.1 Rt [3]	[4] 1												
Sta 19+120; o/s 2.1 Lt [3]	[4] 1												
Sta 19+450 Lt		1											
Sub - Totals Carried Forward:	2												
	(P)												
TOTALS	2	2											
UNIT	each (P)	each											
ITEM No.	26												
Reference													

1. Supplied by Contractor
2. Associated with TC-23 traffic sign
3. Offset from highway centreline to primary traffic signal head
4. Lateral spacing between signal heads 3m to 5m

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MINISTRY OF TRANSPORTATION - ONTARIO

Portable Temporary Traffic Signals

QUANTITIES - MISCELLANEOUS 1

W.P. No. 6811-14-00

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SHEET 16

MINISTRY OF TRANSPORTATION - ONTARIO

Location and Position	*Pavement Marking [Double Solid] [Yellow, 10 cm]*	*Pavement Marking [Solid / 3/6] [Yellow, 10 cm]*	*Pavement Marking [Solid] [White, 10 cm]*		*Pavement Marking, Temporary-Removable [Solid] [White, 60 cm]*								References
Sub - Totals Brought Forward:													
Highway 17													
Township of McCoy													
Hare Creek Culvert (Site No. 48E-0024/C0)													
18+525 - 19+018	986												
18+525 - 19+450 Rt			925										
18+525 - 19+450 Lt			925										
18+823 Rt					23								
19+018 - 19+450		576											
19+150 Lt					23								
Sub - Totals Carried Forward:	986	576	1,850		46								
	986 (P)	576 (P)	1,850 (P)		(P)								
TOTALS		3,412			46								
UNIT	m (P)	m (P)	m (P)		m (P)								
ITEM No.		27			28								
Reference													

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Pavement Markings

QUANTITIES - MISCELLANEOUS 1

W.P. No. 6811-14-00

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SHEET 17

MINISTRY OF TRANSPORTATION - ONTARIO

Location and Position	*Single Rail SBGR, Relocation [OPSD 912.185]*		*Single Rail SBGR, TL-3 [OPSD 912.185]*	*Single Rail SBGR, TL-3 [OPSD 912.313]*		*Single Rail SBGR, TL-3, Adjacent to Curb and Gutter [OPSD 912.451]*							References
Sub - Totals Brought Forward:													
Highway 17													
Township of McCoy													
Hare Creek Culvert (Site No. 48E-0024/C0)													
Stage 2													
18+880 - 18+918 Lt; o/s 6.3m (Temporary)			38										
18+918 - 18+925 Lt; o/s 6.3m (Temporary)				7									
18+981 - 18+988 Lt; o/s 6.3m (Temporary)				7									
18+988 - 19+068 Lt; o/s 6.3m (Temporary)			80										
18+885 - 18+918; o/s 1.0m Rt - 2.3m Lt (Temporary)			33										
18+918 - 18+925 Lt; o/s 2.3m (Temporary)				7									
18+981 - 18+988 Lt; o/s 2.3m (Temporary)				7									
18+988 - 19+021; o/s 2.3m Lt - 1.0m Rt (Temporary)			33										
Stage 3													
18+872 - 18+915 Rt; o/s 6.3m	43												
18+915 - 18+930 Rt; o/s 6.3m						15							
18+976 - 18+991 Rt; o/s 6.3m						15							
18+991 - 19+079 Rt; o/s 6.3m	88												
Stage 4													
18+880 - 18+915 Lt; o/s 6.3m	35												
18+915 - 18+930 Lt; o/s 6.3m						15							
Sub - Totals Carried Forward:	166		184	28		45							
	(P)		(P)	(P)		(P)							
TOTALS													
UNIT	m (P)		m (P)	m (P)		m (P)							
ITEM No.	29			30		31							
Reference													

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Guide Rail

QUANTITIES - MISCELLANEOUS 1

W.P. No. 6811-14-00

Contract No. 2021-6048

SHEET 18

Location and Position	*Single Rail SBGR, Relocation [OPSD 912.185]*		*Single Rail SBGR, TL-3 [OPSD 912.185]*	*Single Rail SBGR, TL-3 [OPSD 912.313]*		*Single Rail SBGR, TL-3, Adjacent to Curb and Gutter [OPSD 912.451]*							References
Sub - Totals Brought Forward:	166		184	28		45							
18+976 - 18+991 Lt; o/s 6.3m						15							
18+991 - 19+009 Lt; o/s 6.3m	18												
19+009 - 19+068 Lt; o/s 6.3m			59										
Sub - Totals Carried Forward:	184		243	28		60							
	(P)		243 (P)	28 (P)		(P)							
TOTALS	184			271		60							
UNIT	m (P)		m (P)	m (P)		m (P)							
ITEM No.	29			30		31							
Reference													

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MINISTRY OF TRANSPORTATION - ONTARIO

Guide Rail

QUANTITIES - MISCELLANEOUS

W.P. No. 6811-14-00

Contract No. 2021-6048

Description	*Energy Attenuator - Temporary, Narrow [TL-3]*		*Energy Attenuator - Temporary, Reduced Exposure [TL-3]*		*Energy Attenuator - Relocation, Narrow [TL-3]*		*SBEAT System [50:1 Flare]*		*SBEAT System, Relocation [50:1 Flare]*		*TCB, Restraints Permitted, Category II*		*Temporary Construction Barrier, Relocation*
Sub - Totals Brought Forward:													
Highway 17													
Township of McCoy													
Hare Creek Culvert (Site No. 48E-0024/C0)													
Stage 1													
18+825 Rt			1										
18+825 - 18+860 Rt											35		
18+860 Rt			1										
18+887 Lt	1												
18+887 - 19+066 Lt/Rt											179		
19+066 Lt	1												
19+102 Lt			1										
19+102 - 19+138 Lt											36		
19+138 Lt			1										
Stage 2													
18+880 Lt							1						
18+885 Rt							1						
19+021 Rt							1						
Sub - Totals Carried Forward:	2		4		0		3		0		250		0
	(P)		(P)		(P)		(P)		(P)		(P)		(P)
TOTALS													
UNIT	each (P)		each (P)		each (P)		each (P)		each (P)		m (P)		m (P)
ITEM No.	32		33		34		35		36		37		38

CHKD. _____

APPR. _____

DATE _____

MINISTRY OF TRANSPORTATION - ONTARIO

Energy Attenuators, SBEATs and Temporary Construction Barriers

QUANTITIES - MISCELLANEOUS

W.P. No. 6811-14-00

Contract No. 2021-6048

Description	*Energy Attenuator - Temporary, Narrow [TL-3]*		*Energy Attenuator - Temporary, Reduced Exposure [TL-3]*		*Energy Attenuator - Relocation, Narrow [TL-3]*		*SBEAT System [50:1 Flare]*		*SBEAT System, Relocation [50:1 Flare]*		*TCB, Restraints Permitted, Category II*		*Temporary Construction Barrier, Relocation*
Sub - Totals Brought Forward:	2		4		0		3		0		250		0
19+068 Lt							1						
Stage 3													
18+872 Rt									1				
18+891 Lt					1								
18+891 - 19+062 Lt/Rt													171
19+062 Lt					1								
19+079 Rt									1				
Stage 4													
18+880 Lt									1				
19+068 Lt									1				
Sub - Totals Carried Forward:	2		4		2		4		4		250		171
	(P)		(P)		(P)		(P)		(P)		(P)		(P)
TOTALS	2		4		2		4		4		250		171
UNIT	each (P)		each (P)		each (P)		each (P)		each (P)		m (P)		m (P)
ITEM No.	32		33		34		35		36		37		38

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QUANTITIES - MISCELLANEOUS 1

W.P. No. 6811-14-00

Contract No. 2021-6048

SHEET 21

MINISTRY OF TRANSPORTATION - ONTARIO

Location and Position	*Temporary Cover*		*Flow Check Dams*		*Sediment Fence Barriers*								References
Sub - Totals Brought Forward:													
Highway 17													
Township of McCoy													
Hare Creek Culvert (Site No. 48E-0024/C0)													
18+915 - 18+948 Lt; o/s 22.0m					33								
18+915 - 18+948 Rt; o/s 22.0m - 24.0m					33								
18+917 - 18+948 Lt; o/s 25.0m - 22.0m	560												
18+917 - 18+948 Rt; o/s 22.0m - 24.0m	540												
18+948; o/s 22m Lt - 24.0m Rt					46								
18+958; o/s 22m Lt - 24.0m Rt					46								
18+958 - 18+995 Lt; o/s 22.0m - 21.0m					37								
18+958 - 18+995 Rt; o/s 24.0m - 21.0m					37								
18+958 - 18+995 Rt; o/s 24.0m - 21.0m	595												
18+958 - 18+997 Lt; o/s 22.0m - 25.0m	790												
18+973 Lt; o/s 26.5m			1										
Sub - Totals Carried Forward:	2,485		1		232								
	(P)		(P)		(P)								
TOTALS	2,485		1		232								
UNIT	m2 (P)		each (P)		m (P)								
ITEM No.	39		40		41								
Reference													

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DATE _____

Environmental

QUANTITIES - STRUCTURE

48E-0024/C0

W.P. No. 6811-14-00

Contract No. 2021-6048

MINISTRY OF TRANSPORTATION - ONTARIO

Structural I	Earth Excavation for Structure	Supply Equipment for Driving Piles	Sheet Piles	Rock Points	Fabrication of Structural Steel	Delivery of Structural Steel	Erection of Structural Steel	Pedestrian Railing	Metal Traffic Barrier	Prestressed Concrete Box Girders Fabrication	Prestressed Concrete Box Girders Delivery	Prestressed Concrete Box Girders Installation				References
LUMP SUM																
Highway 17																
Township of McCoy																
Hare Creek Culvert (Site No. 48E-0024/C0)	10,181															
Hare Creek Culvert (Site No. 48E-0024/C0)		100 %														
Hare Creek Culvert (Site No. 48E-0024/C0)			832													
Hare Creek Culvert (Site No. 48E-0024/C0)				16												
Hare Creek Culvert (Site No. 48E-0024/C0)					100 %											
Hare Creek Culvert (Site No. 48E-0024/C0)						100 %										
Hare Creek Culvert (Site No. 48E-0024/C0)							100 %									
Hare Creek Culvert (Site No. 48E-0024/C0)								35								
Hare Creek Culvert (Site No. 48E-0024/C0)									90							
Hare Creek Culvert (Site No. 48E-0024/C0)										100 %						
Hare Creek Culvert (Site No. 48E-0024/C0)											100 %					
Hare Creek Culvert (Site No. 48E-0024/C0)												100 %				
	10,181	100 %	832	16	100 %	100 %	100 %	35	90	100 %	100 %	100 %				
	(P)			(P)				(P)	(P)							
TOTALS	10,181	100 %	832	16	100 %	100 %	100 %	35	90	100 %	100 %	100 %				
UNIT	m3 (P)	lump sum	m2	each (P)	lump sum	lump sum	lump sum	m (P)	m (P)	lump sum	lump sum	lump sum				
ITEM No.	42	43	44	45	46	47	48	49	50	51	52	53				

Remarks:

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APPR. _____

DATE _____

QUANTITIES - STRUCTURE

48E-0024/C0

W.P. No. 6811-14-00

Contract No. 2021-6048

Structural II	Coating New Structural Steel	Environmental Protection During Coating of Structural Steel and Steel Railing Systems	Bridge Deck Waterproofing	Form and Fill Grooves	Membrane Reinforcement	Temporary Modular Bridge	Deck Joint Assemblies, Installation	Bearings - Elastomeric, Plain	Dowels into Concrete	Precast Concrete Bridge Elements, Fabrication	Precast Concrete Bridge Elements, Delivery	Precast Concrete Bridge Elements, Installation				References
LUMP SUM																
Highway 17																
Township of McCoy																
Hare Creek Culvert (Site No. 48E-0024/C0)	100 %															
Hare Creek Culvert (Site No. 48E-0024/C0)		100 %														
Hare Creek Culvert (Site No. 48E-0024/C0)			100 %													
Hare Creek Culvert (Site No. 48E-0024/C0)				75.00												
Hare Creek Culvert (Site No. 48E-0024/C0)					363.00											
Hare Creek Culvert (Site No. 48E-0024/C0)						100 %										
Hare Creek Culvert (Site No. 48E-0024/C0)							100 %									
Hare Creek Culvert (Site No. 48E-0024/C0)								100 %								
Hare Creek Culvert (Site No. 48E-0024/C0)									18							
Hare Creek Culvert (Site No. 48E-0024/C0)										100 %						
Hare Creek Culvert (Site No. 48E-0024/C0)											100 %					
Hare Creek Culvert (Site No. 48E-0024/C0)												100 %				
	100 %	100 %	100 %	75.00	363.00	100 %	100 %	100 %	18	100 %	100 %	100 %				
				(P)	(P)				(P)							
TOTALS	100 %	100 %	100 %	75.00	363.00	100 %	100 %	100 %	18	100 %	100 %	100 %				
UNIT	lump sum	lump sum	lump sum	m (P)	m (P)	lump sum	lump sum	lump sum	each (P)	lump sum	lump sum	lump sum				
ITEM No.	54	55	56	57	58	59	60	61	62	63	64	65				

Remarks:

CHKD. _____

APPR. _____

DATE _____

QUANTITIES - STRUCTURE

48E-0024/C0

W.P. No. 6811-14-00

Contract No. 2021-6048

SHEET 24

Structural III	*Glass Fibre Reinforced Polymer Reinforcing Bar*	*H-Piles - HP 310 X 132*	*Monitoring of Existing Structures for Barn Swallow Nests*	*Field Cast Joints for Precast Components*												References
LUMP SUM																
Highway 17																
Township of McCoy																
Hare Creek Culvert (Site No. 48E-0024/C0)	100 %															
Hare Creek Culvert (Site No. 48E-0024/C0)		246														
Hare Creek Culvert (Site No. 48E-0024/C0)			100 %													
Hare Creek Culvert (Site No. 48E-0024/C0)				9												
	100 %	246	100 %	9												
TOTALS	100 %	246	100 %	9												
UNIT	lump sum	m	lump sum	m3												
ITEM No.	66	67	68	69												

Remarks:

CHKD. _____

APPR. _____

DATE _____