COMPUTED BY: C. HALL	DATE: <u>1/27/20</u>	
CHECKED BY: C. ROGERS	DATE: <u>1/27/20</u>	

COMPUTE	D BY: <u>C.</u>	HALL	D	ATE: <u>1/27/20</u>																					<u>PROJECT NO.</u> BR-0047	SHEET 3B
HECKED	BY: <u>C. R</u>	OGERS	D	ATE: <u>1/27/20</u>												• • • • • •								l	DN 0041	
												STAT	E OF N	IORTH	I CAR	OLIN.	A									
													VISION	OF H	ICHW	VVC										
= DISTANCE F	FROM EDGE OF	LANE TO FACE OF	GUARDRAIL																							
FAL SHOULDE	ER WIDTH = DIST	TANCE FROM EDGE	OF TRAVEL LANE TO								ſ	TTAD		TT CI			\mathbf{V}								G = GATING IMPACT ATTENUATOR TYPE 35	
			OF PARALLEL GUARDF TAPER TO END OF GU/		RDRAIL						G	UAK	DRA		JIVLIV		Ĭ								NG = NON-GATING IMPACT ATTENUATOR T	FY PE 350
																								REMOVE		
SURVEY LINE BEG. STA.			D STA. LOCATION	ON	LENGTH WAR		WARRANT POINT		OINT "N" DIST.	TOTAL	FLARE LENGTH		W ANCHORS		SURVE	BEG. STA. END STA	. LOCATION	N EXISTING GUARDRAIL	REMARKS							
	BEG. STA.	END STA.			SHOP	DOUBLE APPR	ОАСН Т	RAILING	FROM E.O.L.	SHOUL WIDTH	APPROACH TRAIL	TRAILING	TRAILING APPROACH	TRAILING GREU,		EU,										
				STRAIGHT	CURVED	1	ND	END			END	END	END	END	Type III T	-3 B-77	CAT-1	AT-1	ANCHOR DEDUCTION							
-L- 1	15+93.35	17+00.29	LT	106.25				17+00.29	6	9		87.5		1.75	1				TYPE III: 4 @ 18.75' = 75'	L	16+00		LT	80		
	12+97.66	17+49.07	RT	462.5	37.5		49.07		7.5	10.5	252.36		5.05		1			1	GREU TYPE TL-3: 7 @50' = 350'	L	16+08		RT	97		
	19+09.37	21+29.12	LT	218.75		19+0	09.37		6	9	150		3		1				B-77: 3 @ 22.875' = 68.625'	L	19+46	20+45	LT	99		
	19+60.57	20+67.80	RT	106.25				19+60.57	7.5	10.5		75		1.5	1	•			AT-1: 1 @ 6.25'	L	19+72	20+51	RT	79		
	10+12.12		MEDIAN (LT/RT)	1335				16+99.62	8.5	11.5	TIE TO EXIST.		TIE TO EXIST.				2		CAT-1: 2@6.25 = 12.5'	Y2	10+12		LT	684		
	10+95.26	11+80.90	RT	85.375			75.00		12	15						. 1			TOTAL: 512.375'	Y2	10+12	11+48	RT	136		
	15+37.78	16+21.54	LT	85.375		15+3	37.78		12	15						. 1				Y2	11+78	15+20	RT	342		
Y2- 1	13+95.40	15+54.95	RT	160.375				13+95.40	12	12		TIE TO EXIST.	TIE TO EXIST.			1				Y2	11+21	12+86	RT	165		
			SUBTOTAL	2559.88	37.50															Y2	15+45	16+95	RT	150		
			ANCHOR DEDUCT.	. 512.38																Y2	13+25	15+55	RT	230		
			TOTAL	2047.50	37.50															Y2	14+28	15+57		129		
			SAY	2050	50	5 ADDI II	ONAL GUARD	INAIL POSTS																		
						<u> </u>																	TOTAL	2191		

SHOULDER BERM GUTTER SU

LINE	STATION	STATION	LENGTH
-L-	16+55.00	16+75.21	20.2
-L-	19+32.88	19+51.00	18.1
		TOTAL:	
		SAY:	

PAVEMENT REMOVAL SUMMARY

IN SQUARE YARDS

SURVEY LINE	Station	Station	LOCATION LT/RT/CL	ASPHALT REMOVAL	ASPHALT BREAKUP	CONCRETE REMOVAL	CONCRETE BREAKUP
-L-	12+00	15+50	CL	1318.84			
-L-	20+00	25+00	CL	1435.45			
-L-	15+50	17+00	CL		383.33		
-L-	19+57	20+00	CL		114.67		
		TOTAL:		2754.29	498		
		SAY:		2760	500		

		EXCAVATION	EMBANKMENT		WASTE
STATION	STATION	TOTAL UNCLASS.	Embank. +%	BORROW	TOTAL
-L- 10+50.00	-L- 17+22.73	36	12,221	12,185	
-L- 19+33.23	-L- 26+30.00	563	10,582	10,019	
-Y1- 12+00.00	-Y1- 12+90.34		11	11	
-Y2- 12+00.00 LT	-Y2- 16+50.00 LT	1,403	65		1,338
-Y2- 10+50.00 RT	-Y2- 15+00.00 RT	539	504		35
-Y3- 11+80.00	-Y3- 13+35.94	17	16		1
SUBTOTAL		2,558	23,399	22,215	1,374
Est. Shoulder Material			610	610	
Earth waste to repl. bor.				-1,374	-1,374
PROJECT	TOTALS	2,558	24,009	21,451	
Est. 5% for repl. Topsoil				1,073	
on borrow pits					
GRAND	TOTALS	2,558	24,009	22,524	
SAY		2,600		22,550	
EST. CONTINGENCY UNDE	RCUT EXCAVATION = 45	50 CY			
EST. CONTINGENCY SELECT	GRANULAR MATERIAI	L = 400 CY			
NOTE: Earthwork quant	ities are calculated b	ov the Roadwav Des	ign Unit. These earth	work quantitie	s are based
in part on subsurface da			•		
NOTE: Approximate qua	antities only. Unclass	ified Excavation, Bo	rrow Excavation, Fin	e Grading, Clea	ring and
Grubbing, Breaking of E	xisting Pavement an	d Removal of Existin	ng Pavement will be	paid for at the	contract
lump sum price for "Gra	nding".				

SUMMARY OF EARTHWORK