COMPUTED BY:	GHB	DATE:	9/26/23
CHECKED BY:	BKS	DATE:	4/9/24

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

PROJ REFERENCE NO.	SHEET NO.
I-5918	3B-2

"N" = DISTANCE FROM EDGE OF LANE TO FACE OF GUARDRAIL
TOTAL SHOULDER WIDTH = DISTANCE FROM EDGE OF TRAVEL LANE TO SHOULDER BREAK POINT.
FLARE LENGTH = DISTANCE FROM LAST SECTION OF PARALLEL GUARDRAIL TO END OF GUARDRAIL
W = TOTAL WIDTH OF FLARE FROM BEGINNING OF TAPER TO END OF GUARDRAIL

EXISTING GUARDRAIL SUMMARY

G = GATING IMPACT ATTENUATOR TYPE 350
NG = NON-GATING IMPACT ATTENUATOR TYPE 350

SURVEY LINE	BEG. MM.	END MM.	LOCATION	LENGTH			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOUL WIDTH	FLARE LENGTH		W		ANCHORS									IMPACT ATTENUATOR		SINGLE FACED CONCRETE BARRIER	REMOVE EXISTING GUARDRAIL	REMOVE & STOCKPILE EXISTING GUARDRAIL	REMARKS
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	Type III	B-83	GREU, TL-3	GREU, TL-2	CAT-1	AT-1	Type III SC	B-77 SC	BIC	G	NG				
I-77 SB	36.50	38.59	MEDIAN	11000															1										
I-77 SB	36.53	36.81	SHOULDER	1480													1		1										
I-77 SB	36.91	37.04	SHOULDER	690													1		1										
I-77 SB	37.81	37.93	SHOULDER	650													1		1										
I-77 SB	38.11	38.15	SHOULDER	210													1		1										Under Cornelius Rd (SR 1302) Bridge
I-77 SB	38.23	38.55	SHOULDER	1665													1		1										
I-77 SB	38.60	39.97	MEDIAN	7400													1		1										
I-77 SB	38.76	38.94	SHOULDER	975													1		1										
I-77 SB	39.24	39.28	SHOULDER	225													1		1										Under Rankin Hill Rd (SR 1311) Bridge
I-77 SB	39.71	39.85	SHOULDER	815													1		1										
I-77 SB	39.93	40.03	SHOULDER	525													1		1										
I-77 SB	39.98	41.19	MEDIAN	6400													1		1										
I-77 SB	40.20	40.31	SHOULDER	585													1		1										
I-77 SB	40.37	40.58	SHOULDER	1100													1		1										
I-77 SB	40.76	40.80	SHOULDER	250													1		1										Under Flower Hs. Loop Rd. (SR 1312) Bridge
I-77 SB	41.11	41.40	SHOULDER	1510													1		1										Begins at Exit 42 SB On-Ramp Merge Lane
I-77 SB	41.20	41.65	MEDIAN	2410												1			1										Ties into S. End of US 21 Overpass Bridge
I-77 SB	41.69	41.79	MEDIAN	535												2													From Weathers Crk. Bridge to US 21 Overpass Bridge
I-77 SB	41.69	41.79	SHOULDER	525												2													From Weathers Crk. Bridge to US 21 Overpass Bridge
I-77 SB	41.81	41.93	MEDIAN	685												1	1												Ties into Weathers Creek Bridge
I-77 SB	41.81	42.02	SHOULDER	1020												1	1												Ties into Weathers Creek Bridge
I-77 SB	41.94	42.36	MEDIAN	2290													1		1										
I-77 SB	42.09	42.31	SHOULDER	1225															1				1						BIC to be replaced with TL-3 Section under Houston Rd. (SR 2375) Bridge
I-77 SB	42.37	43.23	MEDIAN	4570													1		1										
I-77 SB	42.50	42.69	SHOULDER	1030															1				1						BIC to be replaced with TL-3 Section under Oswalt-Amity Rd. (SR 1001) Bridge
I-77 SB	42.88	43.00	SHOULDER	655													1		1										
I-77 SB	43.35	43.78	SHOULDER	2265															1				1						BIC to be replaced with TL-3
I-77 SB	43.91	44.26	SHOULDER	1775													1		1										
I-77 SB	44.05	44.36	MEDIAN	1650													1		1										
I-77 SB	44.51	44.58	SHOULDER	375													1		1										
I-77 SB	44.52	46.04	MEDIAN	8000													1		1										
I-77 SB	44.87	45.18	SHOULDER	1610													1		1										Begins along Exit 45 SB On-Ramp
I-77 SB	45.35	45.36	SHOULDER	185												1	1												Ending at Barrier Wall under Amity Hill Rd (SR 2342)
I-77 SB	45.60	45.72	SHOULDER	625													1		1										
I-77 SB	45.77	45.95	SHOULDER	925													1		1										
I-77 SB	46.01	46.24	SHOULDER	1225													1		1										
I-77 SB	46.05	46.76	MEDIAN	3725															1										Ties into Triple Corr. Gdrail at Third Creek Bridge
I-77 SB	46.57	46.76	SHOULDER	990															1										Ties into Triple Corr. Gdrail at Third Creek Bridge
I-77 SB	46.80	47.58	MEDIAN	4125													1												Ties into Triple Corr. Gdrail at Third Creek Bridge
I-77 SB	46.80	47.06	SHOULDER	1400													1												Ties into Triple Corr. Gdrail at Third Creek Bridge
I-77 SB	47.59	48.60	MEDIAN	5350															1										Ties into Triple Corr. Gdrail at US 70 Overpass
I-77 SB	48.03	48.08	SHOULDER	275													1		1										
I-77 SB	48.12	48.18	SHOULDER	340													1		1										
I-77 SB	48.54	48.58	SHOULDER	180															1										Ties into Triple Corr. Gdrail at US 70 Overpass
I-77 SB	48.61	48.66	MEDIAN	-350																									This Section to be milled no adjustment needed
I-77 SB	48.61	48.66	SHOULDER	-350																									This Section to be milled no adjustment needed
I-77 SB	48.81	48.85	MEDIAN	-200																									This Section to be milled no adjustment needed
I-77 SB	48.81	48.85	SHOULDER	-200																									This Section to be milled no adjustment needed
		SUBTOTAL		**85445**												**8**	**33**		**37**				**3**						
		LESS ANCHOR DEDUCTIONS:																											
		TYPE TL-3	33 @ 50'	-1650																									
		TYPE CAT-1	37 @ 6.25'	-231.25																									
		TYPE BIC	3 @ 125'	-375																									
		TYPE B-83	8 @ 18.75	-150																									
		TOTAL SB GUARDRAIL LENGTH		83038.75 LF																									
			SAY	**83039 LF**																									
		TOTAL NB GUARDRAIL LENGTH		84297.50 LF																									
			SAY	**84298 LF**																									
	TOTAL PROJECT GUARDRAIL LENGTH			**167337 LF**																									