COMPUTED BY: SJW DATE: 10/1/2015

CHECKED BY: DATE:

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PROJECT REFERENCE NO.	SHEET NO.
I-5756	8

"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 = DOSTANCE FROM LAST SECTION OF PARALLEL GUARDRAIL TO END OF GUARDRAIL.
W = TOTAL WIDTH OF FLARE FROM BEGINNING OF TAPER TO END OF GUARDRAIL
G = GATING IMPACT ATTENUATOR TYPE 350
NG = NON-GATING IMPACT ATTENUATOR TYPE 350

GUARDRAIL SUMMARY

Survey Line	BEG. STA.	END STA.	LOCATION	LENGTH			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOULDER WIDTH	FLARE LENGTH		W		ANCHORS									IMPACT ATTENUATOR TYPE 350			REMOVE EXISTING GUARDRAIL	.	.	REMARKS
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	XI MOD	XI	GRAU 350	M-350	III	CAT-1	VI MOD	BIC	AT-1	NO.	G	NG				
L	10+00.00	37+12.38	RT	2712.38													2										2712.38			
L	10+00.00	38+69+75	LT	2869.75													2										2869.75			
L	20+55.07	83+91.99	MED. RT	6336.92															2								6336.92			Concrete Med Barrier to Brdge at Coleman Mtn. Rd.
L	20+65.13	83+92.05	MED. LT	6326.92															2								6326.92			Concrete Barrier to Coleman Mtn. Rd. Bridge
L	40+38.76	62+79.94	LT	2241.18													2										2241.18			
L	43+92.81	83+91.79	RT	3998.98													1		1								3998.98			Tie to Coleman Mtn. Rd. Bridge
L	62+80.16	79+01.95	LT	1621.79													2										1621.79			
L	83+73.24	83+92.21	LT	19.97													1		1								19.97			Tie to Bridge at Coleman Mtn Road
L	84+73.99	105+85.99	MED. RT	2112													1		1								2112			Break for Tractor Mower
L	84+73.99	100+16.91	RT	1543.12													1		1								1543.12			Start at Coleman Mtn. Rd. Bridge
L	84+75.05	136+71.86	MED. LT	5196.81															2								5196.81			Coleman Mountian Rd. Bridge to SR 1366, Orchard Cove Rd. Bridge
L	84+75.15	91+83.88	LT	708.73													1		1								708.73			Start Coleman Mtn. Rd. Bridge
L	105+95.99	136+71.86	MED. RT	3075.87													1		1								3075.87			Tie to Bridge at SR 1366, Orchard Cove Rd.
L	110+31.52	131+10.76	LT	2079.24													2										2079.24			
L	116+53.21	121+29.63	RT	476.42													2										476.42			
L	133+46.57	136+71.86	RT	325.29													1		1								325.29			Tie to Bridge at SR 1366, Orchard Cove Rd.
L	134+88.31	136+71.86	LT	183.55													1		1								183.55			Tie to Bridge at SR 1366, Orchard Cove Rd.
L	136+72.09	138+73.69	RT	201.6													1		1								201.6			Start at SR 1366 Bridge
L	136+72.09	157+84.09	MED. RT	2112													1		1								2112			SR 1366 to Mower Break
L	136+72.09	142+00.61	LT	528.52													1		1								528.52			Start at Bridge SR 1366, Orchard Cove
L	136+72.09	184+23.99	MED. LT	4751.9															2								4751.9			SR 1366 Bridge to Iron Duff Bridge
L	142+69.01	152+07.58	RT	938.57													2										938.57			
L	144+63.48	149+92.63	LT	529.15													2										529.15			
L	157+94.40	184+24.00	MED. RT	2629.6													1		1								2629.6			Tie to Iron Duff Rd. Bridge
L	181+76.00	184.23.81	LT	247.81													1		1								247.81			Tie to Iron Duff Rd. Bridge
L	182+67.63	184+24.63	RT	157													1		1								157			Tie to Bridge at Iron Duff Rd.
L	185+64.81	195+55.97	LT	991.16													1		1								991.16			Start at Iron Duff Rd. Bridge to Exit 24 Ramp
L	185+64.99	221+20.13	MED. LT	3555.14															2								3555.14			Start at Iron Duff Rd. Bridge to Pigeon River Bridge
L	185+65.00	201+49.63	MED. RT	1584.63													1		1								1584.63			Start at Iron Duff Rd. Bridge to Mower Break
L	185+65.63	190+33.75	RT	468.12													1		1								468.12			Iron Duff Rd. Bridge to Exit 24 Ramp
L	201+88.63	221+20.13	LT	1931.5													1		1								1931.5			Tie to Pigeon River Bridge
L	202+09.63	221+20.13	MED. RT	1910.5													1		1								1910.5			Tie to Pigeon River Bridge
L	219+00.75	221+20.13	RT	219.38													1		1								219.38			Tie to Pigeon River Bridge
L	226+02.05	227+88.64	RT	186.59													1		1								186.59			Start at Pigeon River Bridge
L	226+02.13	278+82.82	MED. RT	5280.69													1		1								5280.69			Start at Pigeon River Bridge
L	226+02.13	236+08.77	LT	1006.64													1		1								1006.64			Start at Pigeon River Bridge
L	226+02.13	290+40.43	MED. LT	6438.3															2								6438.3			Start at Pigeon River Bridge to SR 1513 Bridge
L	236+98.43	262+99.32	RT	2560.89													2										2560.89			
L	241+86.06	24+662.87	LT	476.81													2										476.81			
L	247+13.39	251+14.69	LT	501.3													2										501.3			
L	264+54.58	279+24.03	LT	1469.45													2										1469.45			
L	264+52.68	290+40.68	RT	2588													1		1								2588			Tie to Bridge at 1513
L	278+92.80	290+40.43	MED. RT	1147.63													1		1								1147.63			Tie to SR 1513 Bridge
L	287+77.45	290+40.43	LT	262.98													1		1								262.98			Tie to SR 1513 Bridge
L	291+97.43	295+35.43	MED. RT	338													1		1								338			Bridge to Median Cross
L	291+97.43	295+45.81	MED. LT	348.38													1		1								348.38			Start at SR 1513 Bridge to Median Cross
L	291+97.43	301+53.56	LT	956.13													1		1								956.13			Start at Bridge SR 1513
L	291+97.68	313+09.68	RT	2112													1		1								2112			Start at Bridge SR 1513
L	295+85.43	311+69.43	MED. RT	1584													2										1584			Median Cross to Mower Gap
L	295+97.69	343+49.69	MED. LT	4752													2										4752			Median Cross to Median Cross
L	306+51.93	331+02.62	LT	2450.69													2										2450.69			
L	311+84.69	344+78.12	MED. RT	3293.43													2										3293.43			Mowr Gap to median cross over at concrete barrier
L	318+37.68	334+21.90	RT	1584.22													2										1584.22			
L	331+56.26	343+20.66	LT	1164.4													2										1164.4			End at Exit 27 Ramp
L	332+64.08	343+20.08	RT	1056													2										1056			End at Exit 27 Ramp
	SUBTOTAL			106144.03													68		42								106144.03			

ANCHOR DEDUCTIONS:			
GRAU 350:	68 @ 50.0'	=	3400
TYPE III	42 @ 18.75'	=	787.5
TOTAL ANCHOR DEDUCTIONS			4187.5
TOTAL			101956.53
SAY:			102,100

ADDITIONAL GUARDRAIL POSTS = 20