| COMPUTED BY: PR | DATE: 09/19/2024 |
| CHECKED BY: KZH | DATE: 09/19/2024 |

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

BR-0063 | RDY | 3B-2

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
ANSON COUNTY

ROADWAY DESIGN UNIT

| COMPUTED BY: | PR | DATE: | 9/19/2024 |
| CHECKED BY: | KZH | DATE: | 9/19/2024 |

PROJECT REFERENCE NO.	SHEET NO.
BR-0063	3B-2

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

GUARDRAIL SUMMARY

"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

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

SURVEY LINE	BEG. STA.	END STA.	LOCATION	LENGTH STRAIGHT	SHOP CURVED	DOUBLE FACED	WARRANT POINT APPROACH END	WARRANT POINT TRAILING END	"N" DIST. FROM E.O.L.	TOTAL SHOUL WIDTH	FLARE LENGTH APPROACH END	FLARE LENGTH TRAILING END	W APPROACH END	W TRAILING END	Type III	B-77	GREU, TL-3	GREU, TL-2	CAT-1	AT-1	Type III SC	B-77 SC	G	NG	SINGLE FACED CONCRETE BARRIER	REMOVE EXISTING GUARDRAIL	REMOVE & STOCKPILE EXISTING GUARDRAIL	REMARKS
L	15+17	18+62	RT OF EXISTING NC742-S																							345		
L	15+35	18+62	LT OF EXISTING NC742-S																							320		
L	21+23	23+14	RT OF EXISTING NC742-S																							200		
L	21+23	23+40	LT OF EXISTING NC742-S																							220		
L	17+76.25	18+63.75	LT	87.5				BRIDGE	6	9		50		1	1		1											
L	10+61.00	18+63.75	RT	802.5			12+10.00		6	9	50		1		1		1											
L	21+66.25	23+92.00	LT	225.75				22+40.00	6	9		50		1	1		1											
L	21+66.25	23+52.00	RT	185.75			BRIDGE		6	9	50		1		1		1											
		SUBTOTAL:		1301.50	0.00						100.00	100.00	2.00	2.00	4.00	0.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1085.00	0.00	

LESS ANCHOR DEDUCTIONS

B-77	0.00	@22.875= 0
CAT-1	0.00	@6.25= 0
AT-1	0.00	@6.25= 0
TYPE III	4.00	@18.75= 75
GREU TL-2	0.00	@25.00= 0
GREU TL-3	4.00	@50.00= 200
IA-MASH TL-3	0.00	@25.00= 0
SUBTOTAL=		275 — ADDITIONAL POSTS = 10 EACH
GRAND TOTAL:		1026.50
Say:		1050 * Divisible by 12.5

TEMPORARY GUARDRAIL AND ANCHOR UNITS

SURVEY LINE	BEG. STA.	END STA.	LOCATION	STRAIGHT	GREU, TL-3	REMARKS
L	22+95	24+18	LT	122	1	Temporary Guardrail for construction Phase 1
		SUBTOTAL:		122.00	1.00	

LESS ANCHOR DEDUCTIONS

B-77	0.00	@22.875= 0
CAT-1	0.00	@6.25= 0
AT-1	0.00	@6.25= 0
TYPE III	0.00	@18.75= 0
GREU TL-2	0.00	@25.00= 0
GREU TL-3	1.00	@50.00= 50
IA-MASH TL-3	0.00	@25.00= 0
SUBTOTAL=		50
GRAND TOTAL:		72.00
Say:		75 * Divisible by 12.5

PREPARED BY

ARCADIS

175 REGENCY WOODS PLACE STE 400, CARY, NC 27518
Phone: 919-854-1282, License #: F-0376

REVISIONS