1318
5 1333 1337 1556 1556
3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
(a) (a) (b) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c
(3)
(a) 1737 (501) 1737 (501) 1731 (501) 1471

PROJECT REFERENCE NO. SHEET NO. 5CRJ073IJ2.5CR.2032I.24.etc. /



# 2013 PERSON & DURHAM COUNTIES RESURFACING

### PERSON COUNTY

Map #1 - US 158 (Oxford Road) from Old Durham Road to SR 1576

Map #2 - SR 1504 (High Plains Road) from NC 49 to the Virginia State Line

Map #3 - SR 1336 (City Lake Road) from SR 1333 to SR 1342

Map #4 - SR 1737 (Moore's Mill Road) from SR 1715 to the Durham County Line

Map #5 - SR 1333 (Country Club Road) from SR 1322 to SR 1337

Map #6 - SR 1556 (Lawson Chapel Church Road) from NC 49 to SR 1542

Map #7 - SR 1542 (Dirgie Mine Road) from SR 1556 to SR 1512

Map #8 - SR 1729 (Rougemont Road) from SR 1731 to the Durham County Line

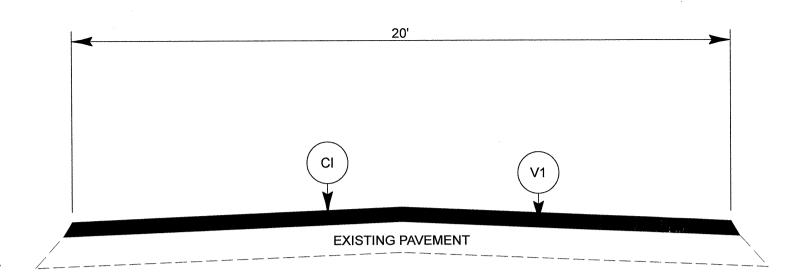
Map #10 - SR 1318 (Cunningham Road) from Caswell County Line to Virginia State Line

#### DURHAM COUNTY

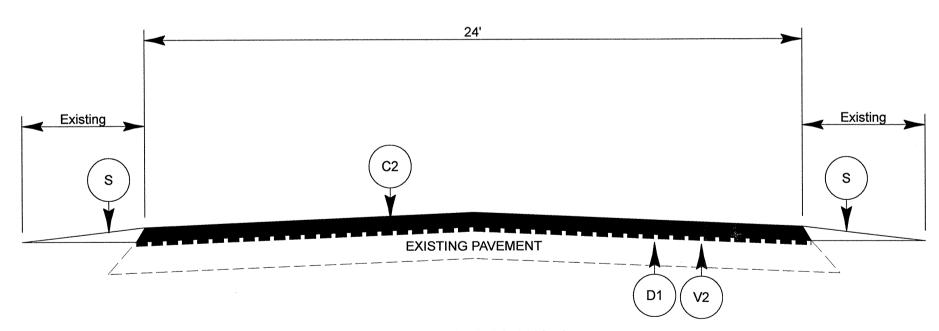
Map #9 - SR 1605 (Moriah Road) from Durham County Line to SR 1471

Map #11 - SR 1471 (Red Mountain Road) from US 501 to SR 1601 and

SR 1471 (Bacon Road) from Orange County Line to US 501



TYPICAL SECTION NO. 1

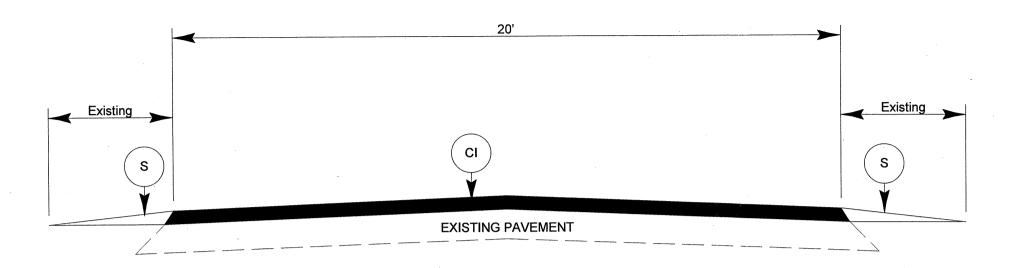


TYPICAL SECTION NO. 2

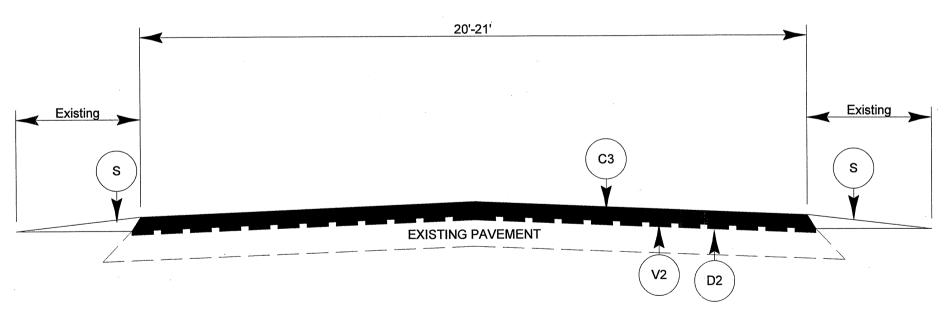
	PROJECT NO.	SHEET NO.	TOTAL SHEETS
	5CR.10731.12, 5CR.20321.24, 5CR.20731.12,	2	
	DEPTH, LENGTH & WILL AS DIRECTED BY THE		
\	AS DIRECTED BY THE	S. V. V. V. S.	
\	ACBC OR ACSC AS DIRECTED BY THI	E ENGINEER	

PATCHING EXISTING PAVEMENT

	PAVEMENT SCHEDULE
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS PER SY
C2	PROP. APPROX. 1.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS PER SY
C3	PROP. APPROX 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS PER SY
D1	PROP. APPROX. 2.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 285 LBS PER SY
D2	PROP. APPROX. 2.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 119.0B, AT AN AVERAGE RATE OF 285 LBS PER SY
S	SHOULDER RECONSTRUCTION
V1	PROP. 1.5" MILLING EXISTING PAVEMENT
V2	PROP. 2.5" MILLING EXISTING PAVEMENT

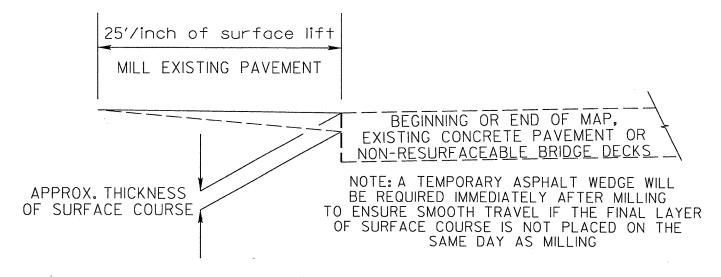


TYPICAL SECTION NO. 3

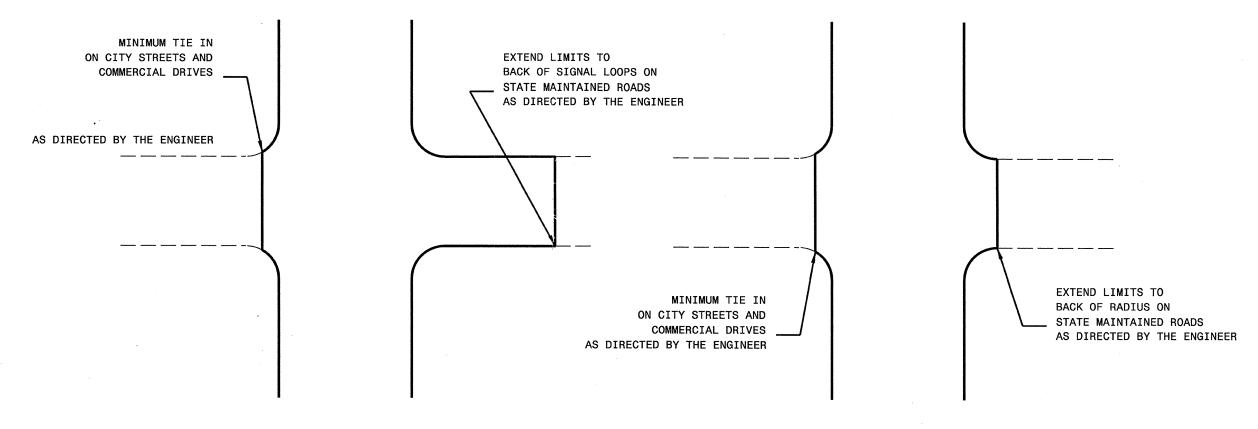


TYPICAL SECTION NO. 4

 PROJECT NO.	SHEET NO.	TOTAL SHEETS
5CR.10731.12, 5CR.20321.24, 5CR.20731.12,	3	
3011.20731.12,		



### DETAIL OF INCIDENTAL MILLING



DETAIL OF PROJECT LIMITS AT SIGNALIZED Y LINES

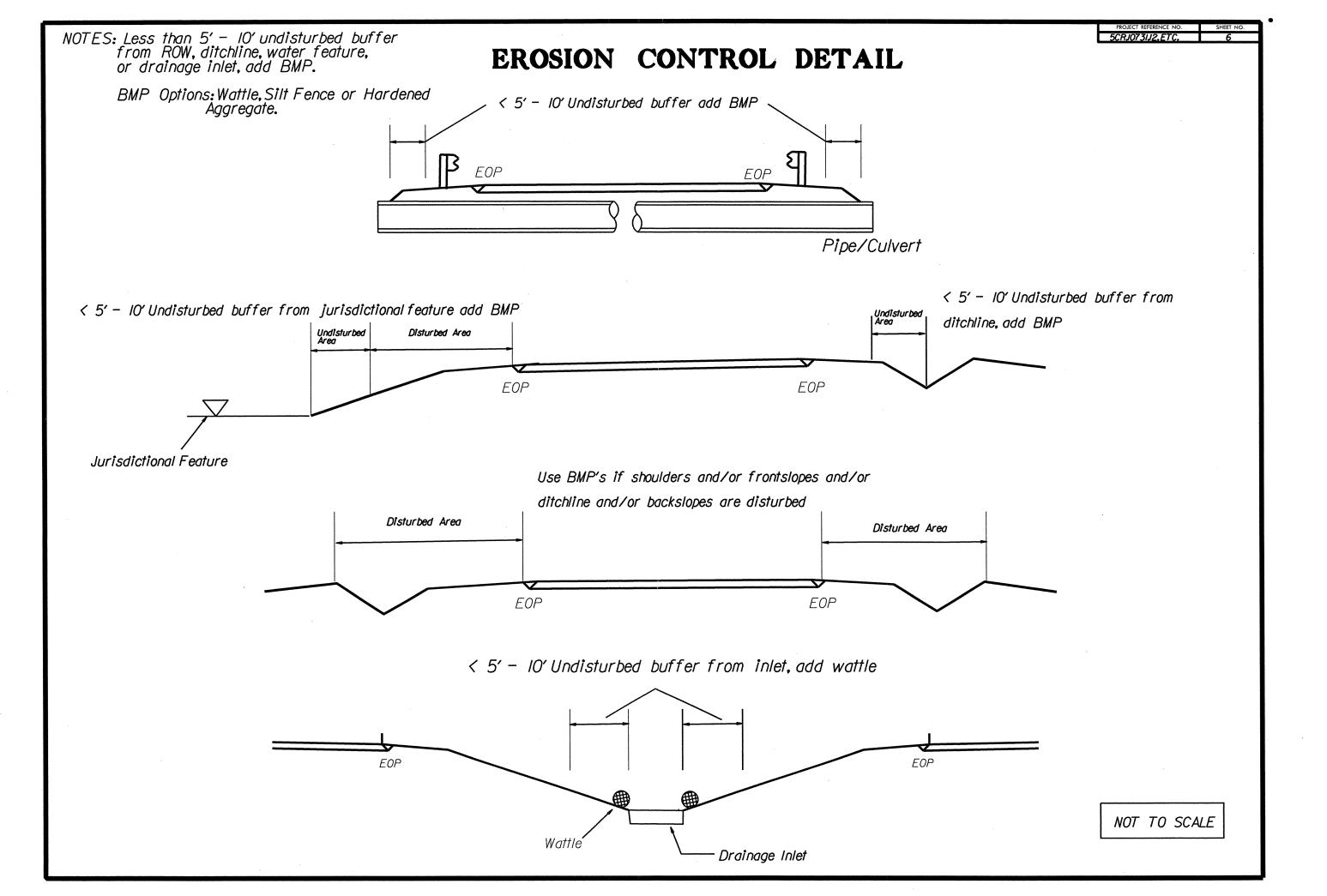
DETAIL OF PROJECT LIMITS AT UNSIGNALIZED Y LINES

PROJECT REFERENCE NO. SHEET NO.

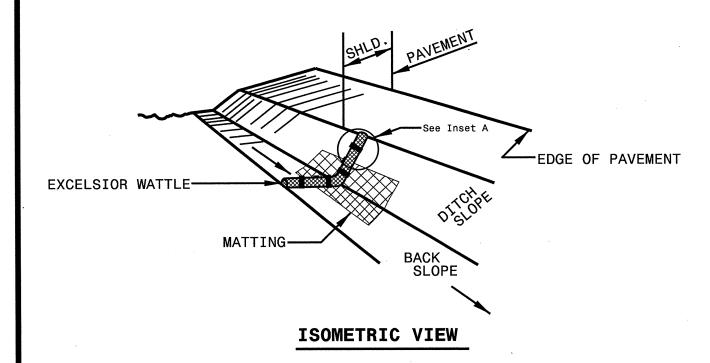
## DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA

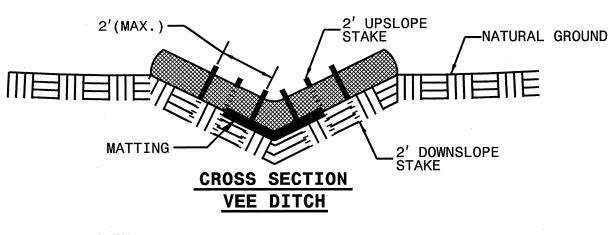
# SOIL STABILIZATION TIMEFRAMES

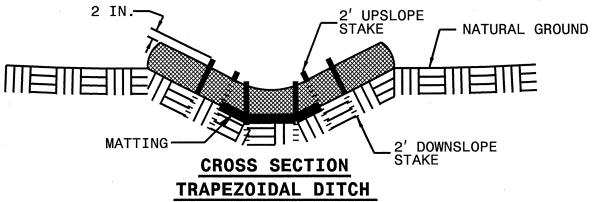
SITE DESCRIPTION	STABILIZATION TIME	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HOW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE IO' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HOW ZONES.



# WATTLE DETAIL







#### NOTES:

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.

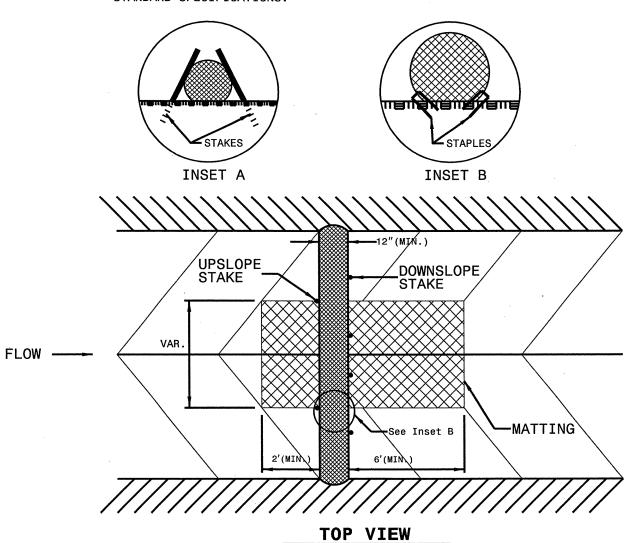
 $\underline{\text{ONLY}}$  INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.



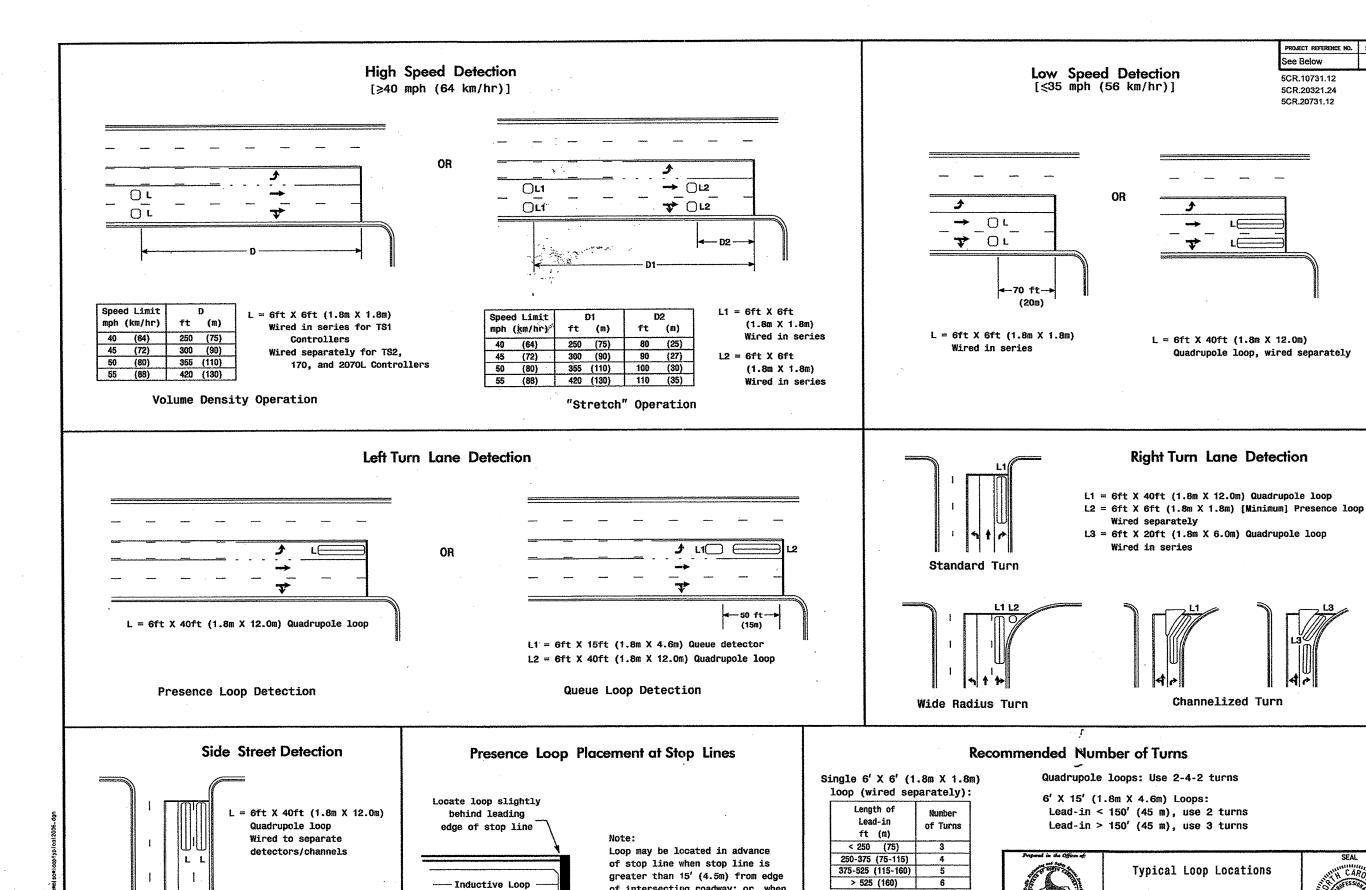
PROJECT NO.	SHEET NO.	TOTAL NO.
5CR.10731.12, 5CR.20321.24	8	
5CR.20731.12,		

### SUMMARY OF QUANTITIES

PROJECT	COUNTY	MAP	ROUTE	DESCRIPTION	ТҮР	FINAL SURFACE	LENGTH	WIDTH	BORROW	INCIDENTAL STONE BASE	SHOULDER RECONSTRUCT	2.5" MILLING	1.5" MILLING	1	INTERMEDIATE COURSE, 119.0B	1		SURFACE COURSE.	SURFACE COURSE,	ASPHALT BINDER FOR	PATCHING EXISTING	TEMPORARY SILT FENCE	WATTLE	SEED &	INDUCTIVE
						TESTING				STORE DAGE	ION		MILLENIA	IVIICCIIVO	COOKSE, 115.05	COOK32, 113.0C	COOK3E, 33.36	\$9.5C	SF9.5A			SILI PENCE		MULCHING	LOOP
						REQUIRED																			
					NO		MI	FT	CY	TONS	SMI	SY	SY	SY	TONS	TONS	TONS	TONS	TONS		TONS				
NO		NO		FROM OLD DURHAM ROAD TO SR	NU		IVII	rı .	C1	10113	SIVII	31	31	31	1003	1003	10103	IONS	TONS	TON	IUNS	LF	LF	AC	LF
FOR 40704 43			US 158 (OXFORD RD.)	1576	,	YES	4.5	24	605	200	9.00	63,360		550		9.029		5,322		747			250		
5CR.10731.12		TOTAL 5	OS 158 (OXFORD RD.) FOR PROJ NO. 5CR.10731.12	1376		1E3	4.5	24	605	200	9.00	63,360		550		9,029		5,322 5,322	<b></b>	747	50	300	250	2.20	<del> </del>
ļ		TOTAL	FOR PROJ NO. 5CK.10/31.12	L.		1	4.5	l	603	200	3.00	03,300	······································	330	<u> </u>	3,023	<u> </u>	3,322	L	747	50	300	250	2.20	<u> </u>
	r	т т		FROM DURHAM CL TO SR 1471 RED		T	T	I		Ι	Γ		*****	T	T	T	T		r	τ	T	т			Т
5CR.20321.24	Durham		SR 1605 MORIAH RD.	MOUNTAIN RD.	1	NO	0.35	20		25			4.107						351	24					
3CI1.20321.24	Durnam	11	SR 1471 - RED MOUNTAIN ROAD / BACON ROAD	US 501 TO SR 1601	4	NO	1.36	21	136	136	2.72	16,755	.,,,	335	2.532		1,487	***************************************	331	211	136	150	100	1.97	200
		"	" THE MODITAL TOAD / BACOT TOAD	ORANGE COUNTY LINE TO US 501	4	NO	1.74	20	348	174	3.48	20,416		275	3,087		1,812	***************************************		257	174	150	150	2.52	192
		TOTAL F	FOR PROJ NO. 5CR.20321.24			1	3.45		484	335	6.20	37,171	4,107	610	5,619		3,299		351	492	310	300	250	4.49	392
				I		·		I	i	<u> </u>	<b>1</b>	L		1	· · · · · · · · · · · · · · · · · · ·	4	1			1	1				
		П					1			T T	1				T				[	T	Τ	T			
5CR.20731.12	Person	2	SR 1504 HIGH PLAINS RD.	FROM NC 49 TO THE VA STATE LINE	1	NO	3.5	20		100			41,067						3,511	235	30				1
		3	SR 1336 CITY LAKE RD.	FROM SR 1333 TO SR 1342	1	NO	1.36	20		50			15,957						1,364	91					
				FROM SR 1715 TO THE DURHAM CO.																					
		4	SR 1737 MOORE'S MILL RD	LINE	1	NO	2.9	20		50			34,027						2,909	195					1
		5	SR 1333 COUNTRY CLUB RD	FROM SR 1322 TO SR 1337	1	NO	2.3	20		50			26,987						2,308	155					
		6	SR 1556 LAWSON CHAPEL CHURCH RD.	FROM NC 49 TO SR 1542	1	NO	3.3	20		75			38,720	l					3,311	222	30				
		7	SR 1542 DIRGIE MINE RD.	FROM SR 1556 TO SR 1512	3	NO	1.9	20	180	75	3.80			250					1,906	128	570	100		1.00	
		1 1		FROM SR 1731 TO THE DURHAM CO.															l						
		8	SR 1729 ROUGEMONT RD	LINE	1	NO	1.9	20		50			22,293						1,906	128	l				1
				FROM CATAWBA CO. LINE TO VA		İ																			1
	<u> </u>	10	SR 1318 CUNNINGHAM RD.	STATE LINE	1	NO	5.1	20		50			59,840	ļ					5,117	343	70				1
		TOTAL F	FOR PROJ NO. 5CR.20731.12			<u> </u>	22.26	<u> </u>	180	500	3.80	<u> </u>	238,891	250	<u> </u>	<u> </u>	1	***************************************	22,332	1,497	700	100		1.00	Ĺ
							<b>.</b>	<b></b>		·	·	·			·	·	·								
			GRAND TOTAL				30.21	I	1,269	1,035	19.00	100,531	242,998	1,410	5,619	9,029	3,299	5,322	22,683	2,736	1,060	700	500	7.69	392

### THERMOPLASTIC AND PAINT QUANTITIES

														····			
							4685000000-E	4686000000-E				4725000000-E		00000-E	4820000000-E	4900000000-N	4905000000-N
PROJECT	COUNTY	MAP	ROUTE	DESCRIPTION	LENGTH	WIDTH	4" X 90 M	4" X 120 M	8" X 90 M	12" X 120 M	24" X 120 M	THERMO LT	4" WHITE	4" YELLOW	8" YELLOW	YELLOW &	SNOW
							WHITE	YELLOW	YELLOW	WHITE	WHITE	ARROW 90	PAINT	PAINT	PAINT	YELLOW	PLOWABLE
		1 1					THERMO	THERMO	THERMO	THERMO	THERMO	M				MARKERS	MARKERS
NO		NO					LF	LF	LF	LF	LF	EA	LF	LF	LF	EA	EA
				FROM OLD DURHAM ROAD TO SR													
5CR.10731.12	Person	1	US 158 (OXFORD RD.)	1576	4.5	24	48,420	29,700	50			2	48,420	29,700	50		297
		TOTAL	FOR PROJ NO. 5CR.10731.12		4.5		48,420	29,700	50			2	48,420	29,700	50		297
		IUIAL	FOR PROJ NO. 3CR.10731.12										78,	,120			
				FROM DURHAM CL TO SR 1471 RED						1							
5CR.20321.24	Durham	9	SR 1605 MORIAH RD.	MOUNTAIN RD.	0.35	20	3,766	2,310			l						
		11	SR 1471 - RED MOUNTAIN ROAD / BACON ROAD	US 501 TO SR 1601	1.36	21	14,634	8,976			20		14,634	8,976		90	
		"	"	ORANGE COUNTY LINE TO US 501	1.74	20	18,722	11,484			20		18,722	11,484		115	
		TOTAL	FOR PROJ NO. 5CR.20321.24		3.45		37,122	22,770			40		33,356	20,460		205	
		TOTAL	FOR FROJ NO. SCR.20321.24										53,	,816			
											···						
5CR.20731.12	Person	2	SR 1504 HIGH PLAINS RD.	FROM NC 49 TO THE VA STATE LINE	3.5	20	37,660	23,100		<u> </u>							
		3	SR 1336 CITY LAKE RD.	FROM SR 1333 TO SR 1342	1.36	20	14,634	8,976									
		1 1		FROM SR 1715 TO THE DURHAM CO.			1							1			
		4	SR 1737 MOORE'S MILL RD	LINE	2.9	20	31,204	19,140							***************************************		
		5	SR 1333 COUNTRY CLUB RD	FROM SR 1322 TO SR 1337	2.3	20	24,748	15,180		80							
		6	SR 1556 LAWSON CHAPEL CHURCH RD.	FROM NC 49 TO SR 1542	3.3	20	35,508	21,780									
		7	SR 1542 DIRGIE MINE RD.	FROM SR 1556 TO SR 1512	1.9	20	20,444	12,540									
				FROM SR 1731 TO THE DURHAM CO.													
		8	SR 1729 ROUGEMONT RD	LINE	1.9	20	20,444	12,540									
				FROM CATAWBA CO. LINE TO VA													
		10	SR 1318 CUNNINGHAM RD.	STATE LINE	5.1	20	54,876	33,660									
		TOTAL	FOR PROJ NO. 5CR.20731.12		22.26		239,518	146,916		80							
		IUIAL	. FOR FROJ NO. 3CR.20/31.12														
			GRAND TOTAL		30.21		325,060	199,386	50	80	40	2	81,776	50,160	50	205	297
	GRAND TOTAL											131	L,936				



of intersecting roadway; or, when loop detects a permissive or protected/permissive left turn.

PROJECT REFERENCE NO.

PLAN DATE: June 2006 REVIEWED BY: PREPARED BY: P L Alexander REVIEWED BY:

SCALE N/A SHEET NO. SIG 1