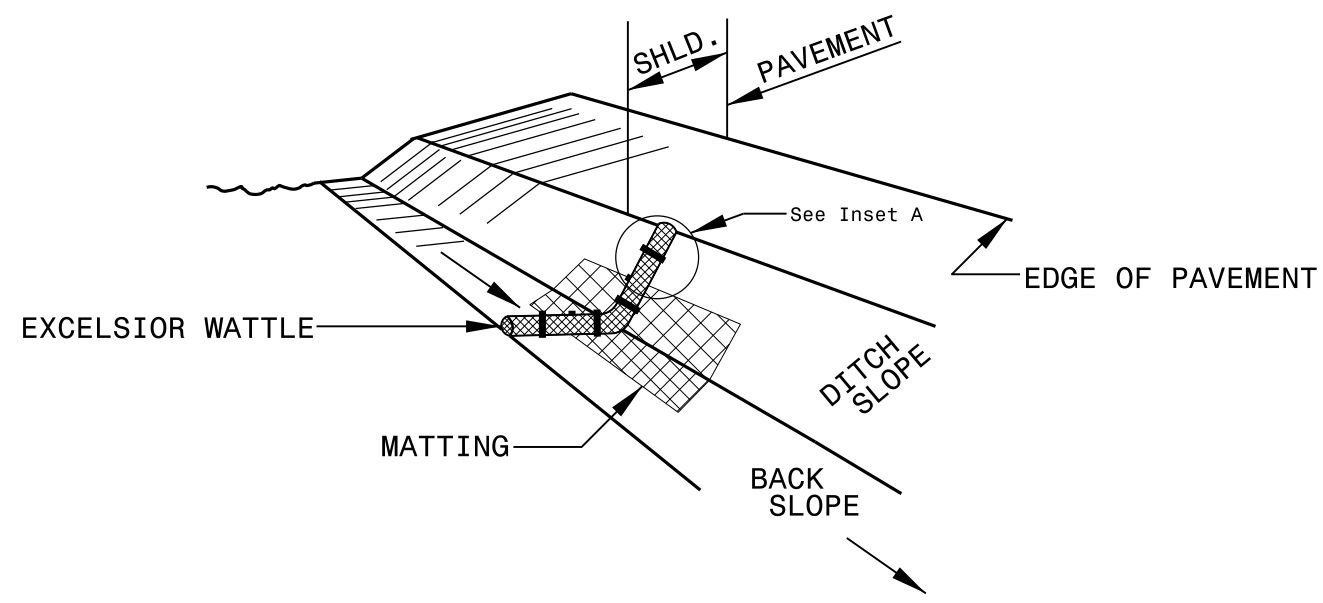
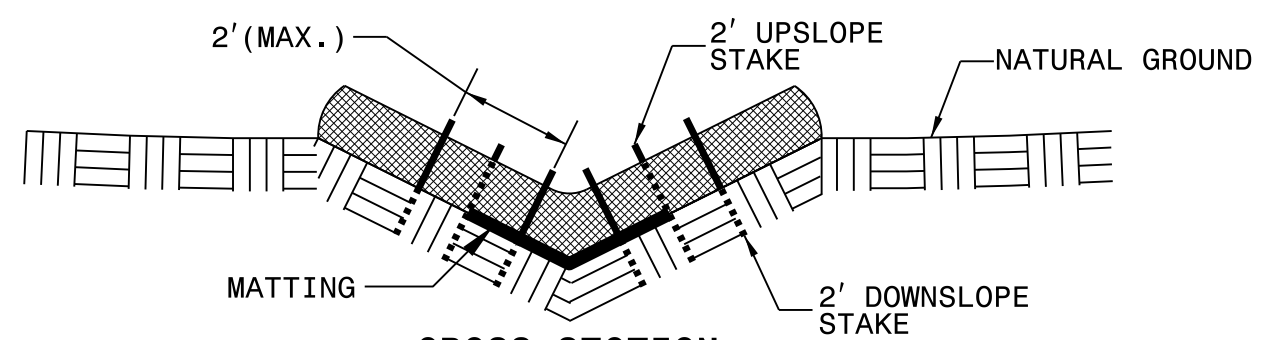


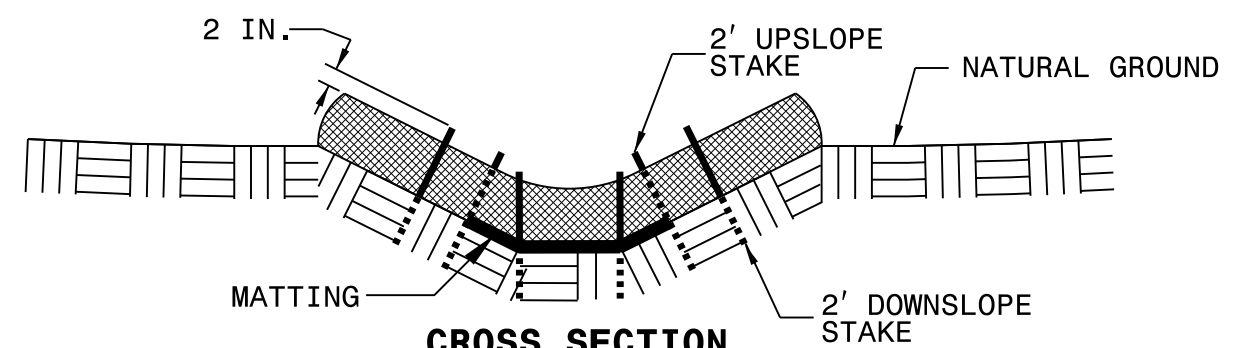
WATTLE DETAIL



ISOMETRIC VIEW



**CROSS SECTION
VEE DITCH**



**CROSS SECTION
TRAPEZOIDAL DITCH**

NOTES:

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

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

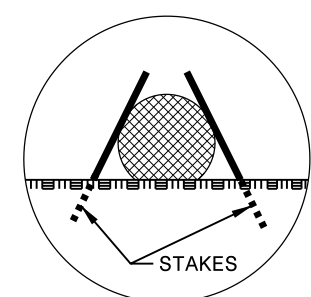
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

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

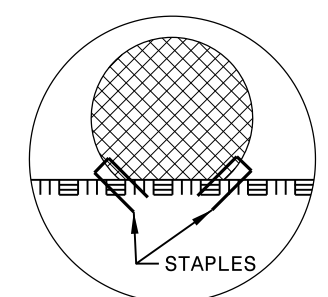
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

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

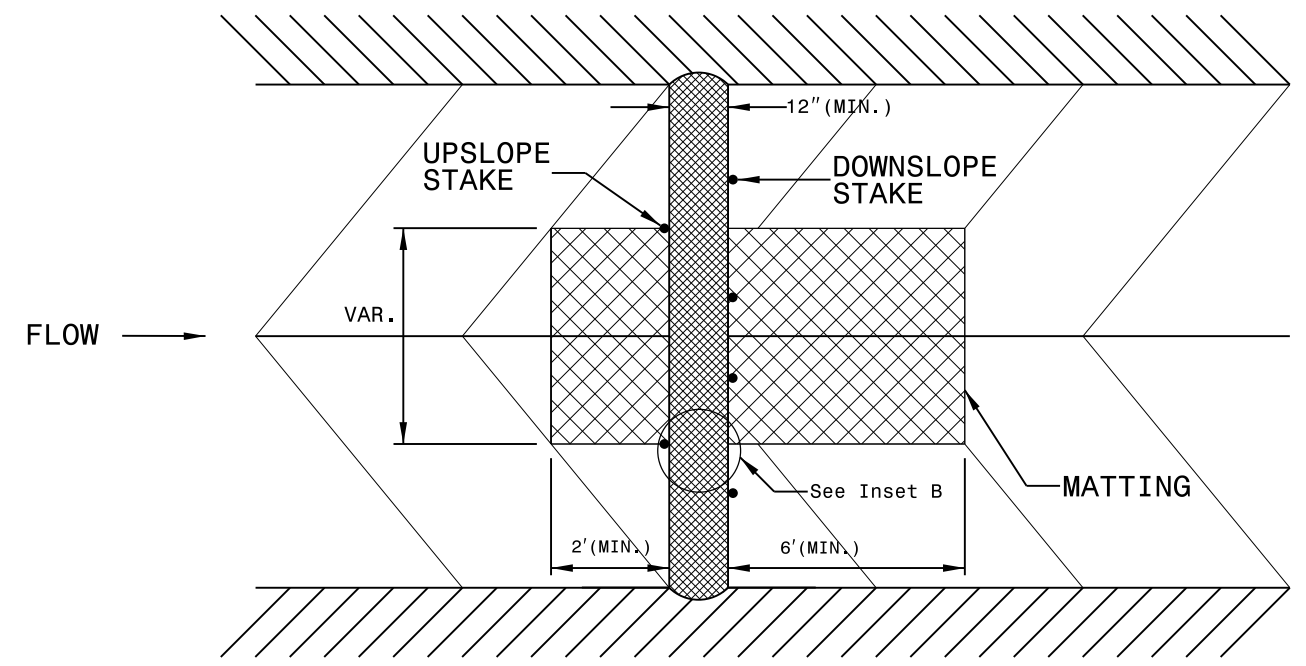
INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.



INSET A



INSET B

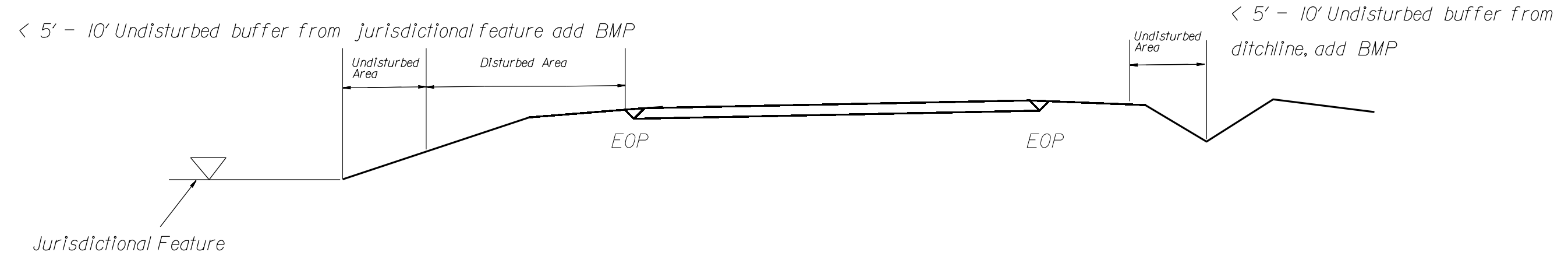
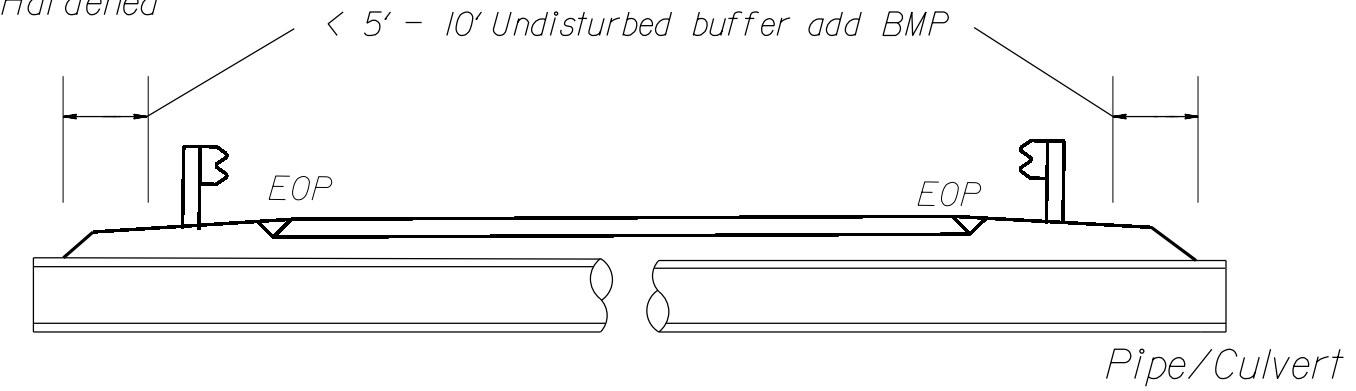


TOP VIEW

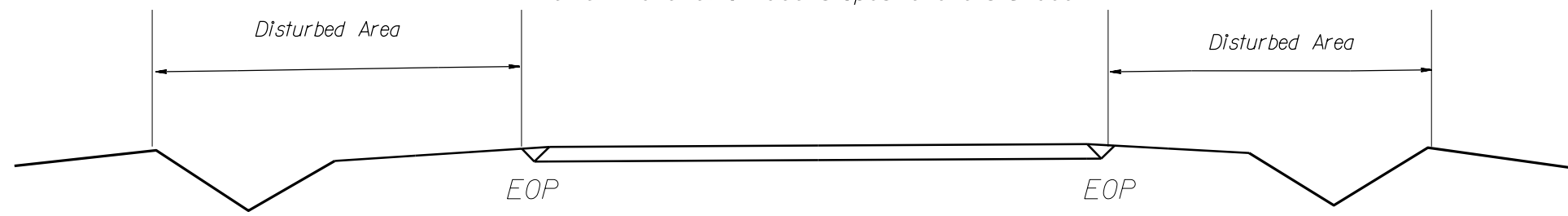
NOTES: Less than 5' - 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.

EROSION CONTROL DETAIL

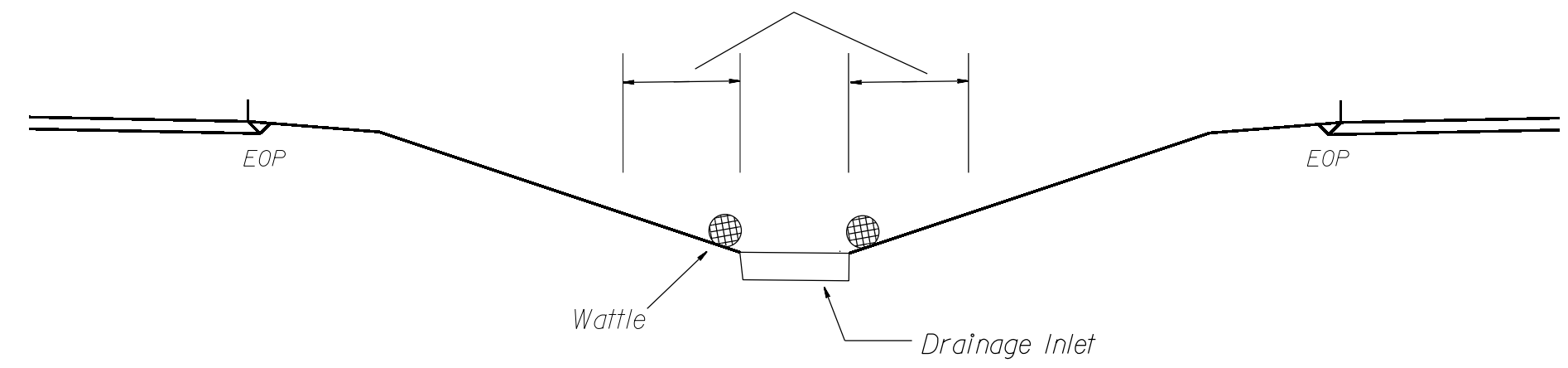
BMP Options: Wattle, Silt Fence or Hardened Aggregate.



Use BMP's if shoulders and/or frontslopes and/or ditchline and/or backslopes are disturbed



< 5' - 10' Undisturbed buffer from inlet, add wattle



NOT TO SCALE

PROJECT NO.	SHEET NO.	TOTAL NO.
I-6002	10	

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4775000000-E			4785000000-E		4810000000-E		4820000000-E	4835000000-E	4845000000-N				4850000000-E	4860000000-E	4905000000-N	
										COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE II (6" WHITE)	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE II (6" YELLOW)	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE II (12" WHITE)	4" YELLOW PAINT	4" WHITE PAINT	8" WHITE PAINT	24" WHITE PAINT	PAINT MSG ONLY	PAINT LT ARROW	PAINT RT ARROW	PAINT MERGE ARROW	PAINT STR & LT ARROW	4" LINE REMOVAL	8" LINE REMOVAL	SNOW PLOWABLE MARKERS		
									MI	FT	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA			
JONES COUNTY	Jones	1	US 70 EB	SR 1005 TO CRAVEN COUNTY	1	2	MD	8.00	40				42,240	54,400										528		
TOTAL FOR MAP NO. 1									8.00				42,240	54,400										528		
JONES COUNTY	Jones	2	US 70 WB	CRAVEN COUNTY TO SR 1005	1	2	MD	7.94	40				41,923	53,992					2	1				565		
TOTAL FOR MAP NO. 2									7.94				41,923	53,992					2	1				565		
TOTAL FOR PROJ NO. JONES COUNTY									15.94				84,163	108,392					2	1					1,093	
													192,555						3							
CRAVEN COUNTY	Craven	3	US 70 EB	JONES COUNTY TO US 17	1	2	MD	11.17	40	130	100		58,978	75,956	280					4			230	792		
TOTAL FOR MAP NO. 3									11.17		130	100		58,978	75,956	280				4			230	792		
CRAVEN COUNTY	Craven	4	US 17 EB	US 70 TO THE NUESSE RIVER BRIDGE #83	1	2	MD	6.11	40	425	515	430	32,261	41,548	990		16		8	6		950	430	561		
TOTAL FOR MAP NO. 4									6.11		425	515	430	32,261	41,548	990		16		8	6		950	430	561	
CRAVEN COUNTY	Craven	5	US 70 WB	US 17 TO JONES COUNTY	1	2	MD	10.87	40	130	100		57,394	73,916	145					3		230		742		
TOTAL FOR MAP NO. 5									10.87		130	100		57,394	73,916	145				3		230		742		
CRAVEN COUNTY	Craven	6	US 17 WB	NEUSE RIVER BRIDGE #83 TO US 70	1	2	MD	6.48	40	520	410	240	34,214	44,064	550		8		4	3		880	240	520		
TOTAL FOR MAP NO. 6									6.48		520	410	240	34,214	44,064	550		8		4	3		880	240	520	
CRAVEN COUNTY	Craven	7	RAMP 800	US 70 EB TO NC 41	2	1	MD	0.27	24				1,426	1,426	600	28			1		1			50		
TOTAL FOR MAP NO. 7									0.27					1,426	1,426	600	28			1		1		50		
CRAVEN COUNTY	Craven	8	RAMP 801	NC 41 TO US 70 EB	2	1	MD	0.37	24				1,954	1,954	1,250					2				65		
TOTAL FOR MAP NO. 8									0.37					1,954	1,954	1,250				2				65		
CRAVEN COUNTY	Craven	9	RAMP 802	US 70 WB TO SR 1001	2	1	MD	0.28	24				1,478	1,478	600	28			1		1			51		
TOTAL FOR MAP NO. 9									0.28					1,478	1,478	600	28			1		1		51		
CRAVEN COUNTY	Craven	10	RAMP 803	SR 1001 TO US 70 WB	2	1	MD	0.36	24				1,901	1,901	980					2				48		
TOTAL FOR MAP NO. 10									0.36					1,901	1,901	980				2				48		
CRAVEN COUNTY	Craven	11	RAMP 804	US 70 EB TO SR 1224	2	1	MD	0.34	24				1,795	1,795	600	28			1		1			59		
TOTAL FOR MAP NO. 11									0.34					1,795	1,795	600	28			1		1		59		
CRAVEN COUNTY	Craven	12	RAMP 805	SR 1224 TO US 70 EB	2	1	MD	0.28	24				1,478	1,478	1,270					2				65		
TOTAL FOR MAP NO. 12									0.28					1,478	1,478	1,270				2				65		
CRAVEN COUNTY	Craven	13	RAMP 806	US 70 WB TO SR 1224	2	1	MD	0.37	24				1,954	1,954	600	25			2		2			63		
TOTAL FOR MAP NO. 13									0.37					1,954	1,954	600	25			2		2		63		
CRAVEN COUNTY	Craven	14	RAMP 807	SR 1224 TO US 70 WB	2	1	MD	0.27	24				1,426	1,426	1,270					2				65		
TOTAL FOR MAP NO. 14									0.27					1,426	1,426	1,270				2				65		
CRAVEN COUNTY	Craven	15	RAMP 808	US 70 EB TO SR 1225	2	1	MD	0.32	24				1,690	1,690	600	25			2		2			56		
TOTAL FOR MAP NO. 15									0.32					1,690	1,690	600	25			2		2		56		
CRAVEN COUNTY	Craven	16	RAMP 809	SR 1225 TO US 70 EB	2	1	MD	0.32	24				1,690	1,690	1,410									70		
TOTAL FOR MAP NO. 16									0.32					1,690	1,690	1,410									70	
CRAVEN COUNTY	Craven	17	RAMP 810	US 70 WB TO SR 1225	2	1	MD	0.29	24				1,531	1,531	600	25			2		2			52		
TOTAL FOR MAP NO. 17									0.29					1,531	1,531	600	25			2		2		52		
CRAVEN COUNTY	Craven	18	RAMP 811	SR 1225 TO US 70 WB	2	1	MD	0.31	24				1,637	1,637	1,270					2				65		
TOTAL FOR MAP NO. 18									0.31					1,637	1,637	1,270				2				65		
CRAVEN COUNTY	Craven	19	RAMP 812	US 17 EB TO SR 1309	2	1	MD	0.24	24				1,267	1,267	1,000	55			3		3			72		
TOTAL FOR MAP NO. 19									0.24					1,267	1,267	1,000	55			3		3		72		
CRAVEN COUNTY	Craven	20	RAMP 813	SR 1309 TO US 17 EB	2	1	MD	0.23	24				1,214	1,214	1,300					2				65		
TOTAL FOR MAP NO. 20									0.23					1,214	1,214	1,300				2				65		
CRAVEN COUNTY	Craven	21	RAMP 814	US 17 WB TO SR 1309	2	1	MD	0.24	24				1,267	1,267	1,000	55			3		3			72		
TOTAL FOR MAP NO. 21									0.24					1,267	1,267	1,000	55			3		3		72		
CRAVEN COUNTY	Craven	22	RAMP 815	SR 1309 TO US 17 WB	2	1	MD	0.23	24				1,214	1,214	1,350					2				70		
TOTAL FOR MAP NO. 22									0.23					1,214	1,214	1,350				2				70		
CRAVEN COUNTY	Craven	23	RAMP 816	US 17 EB TO US 17 BUSINESS	2	1	MD	0.20	24				1,056	1,056	950	55			3	3		3		80		
TOTAL FOR MAP NO. 23									0.20					1,056	1,056	950	55			3	3		3		80	
CRAVEN COUNTY	Craven	24	RAMP 817	US 17 BUSINESS TO US 17 EB	2	1	MD	0.23	24				1,214	1,214	1,100					3				55		
TOTAL FOR MAP NO. 24									0.23					1,214	1,214	1,100				3				55		
CRAVEN COUNTY	Craven	25	RAMP 818	US 17 WB TO US 17 BUSINESS	2	1	MD	0.22	24				1,162	1,162	1,050	25			3	3		3		84		
TOTAL FOR MAP NO. 25									0.22					1,162	1,162	1,050	25			3	3		3		84	
CRAVEN COUNTY	Craven	26	RAMP 819	US 17 BUSINESS TO US 17 WB	2	1	MD	0.22	24				1,162	1,162	1,270					3				70		
TOTAL FOR MAP NO. 26									0.22					1,162	1,162	1,270				3				70		
CRAVEN COUNTY	Craven	27	RAMP 820	US 17 EB TO SR 1200	2	1	MD	0.25	24				1,320	1,320	600	25			2		2			50		
TOTAL FOR MAP NO. 27									0.25					1,320	1,320	600	25			2		2		50		
CRAVEN COUNTY	Craven	28	RAMP 821	SR 1200 TO US 17 EB	2	1	MD	0.08	24				422	422	250									11		
TOTAL FOR MAP NO. 28									0.08					422	422	250										11
CRAVEN COUNTY	Craven	29	RAMP 822	US 17 WB TO NC 55	2	1	MD	0.24	24				1,267	1,267	600	65			6		3			72		
TOTAL FOR MAP NO. 29									0.24					1,267	1,267	600	65			6		3		72		
CRAVEN COUNTY	Craven	30	RAMP 823	NC 55 TO US 17 WB	2	1	MD	0.23	24				1,214	1,214	1,280					2				64		
TOTAL FOR MAP NO. 30									0.23					1,214	1,214	1,280				2				64		
TOTAL FOR PROJ NO. CRAVEN COUNTY									41.02					1,205	1,125	670	216,586	269,223	24,765	439						

PROJECT NO.	SHEET NO.	TOTAL NO.
I-6002	9	

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4400000000-E	4423000000-N	4424000000-N	4434000000-N	4510000000-N	4688000000-E		4690000000-E	4700000000-E	4702000000-E	4710000000-E	4721000000-E	4725000000-E							
										WORK ZONE SIGNS (STATIONARY)	WORK ZONE DIGITAL SPEED LIMIT SIGNS	WORK ZONE PRESENCE LIGHTING	SEQUENTIAL FLASHING WARNING LIGHTS	LAW ENFORCEMENT	6" X 90 M YELLOW THERMO	6" X 90 M WHITE THERMO	6" X 120 M WHITE THERMO	12" X 90 M WHITE THERMO	12" X 120 M WHITE THERMO	24" X 120 M WHITE THERMO	THERMO MSG ONLY 120 M	THERMO LT ARROW 90 M	THERMO RT ARROW 90 M	THERMO MERGE ARROW 90 M	THERMO STR & LT ARROW 90 M	THERMO WRONG WAY RAMP ARROW 90 M			
									MI	FT	SF	EA	EA	EA	HR	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA				
JONES COUNTY	Jones	1	US 70 EB	SR 1005 TO CRAVEN COUNTY	1	2	MD	8.00	40	32			15	160	42,240	43,840	10,560												
TOTAL FOR MAP NO. 1									8.00	40	32			15	160	42,240	43,840	10,560											
JONES COUNTY	Jones	2	US 70 WB	CRAVEN COUNTY TO SR 1005	1	2	MD	7.94	40	32				160	41,923	43,511	10,481					2	1						
TOTAL FOR MAP NO. 2									7.94	40	32			160	41,923	43,511	10,481					2	1						
TOTAL FOR PROJ NO. JONES COUNTY									15.94		64	3	20	15	320	84,163	87,351	21,041					2	1					
										171,514										3									
CRAVEN COUNTY	Craven	3	US 70 EB	JONES COUNTY TO US 17	1	2	MD	11.17	40	32				160	58,978	61,212	14,744				8								
TOTAL FOR MAP NO. 3									11.17		32			160	58,978	61,212	14,744				8								
CRAVEN COUNTY	Craven	4	US 17 EB	US 70 TO THE NUSEE RIVER BRIDGE #83	1	2	MD	6.11	40	32				160	32,261	33,483	8,065			990	16			8	6				
TOTAL FOR MAP NO. 4									6.11		32			160	32,261	33,483	8,065		990	16		8	6						
CRAVEN COUNTY	Craven	5	US 70 WB	US 17 TO JONES COUNTY	1	2	MD	10.87	40	32				160	57,394	59,568	14,348	300	145										
TOTAL FOR MAP NO. 5									10.87		32			160	57,394	59,568	14,348	300	145										
CRAVEN COUNTY	Craven	6	US 17 WB	NEUSE RIVER BRIDGE #83 TO US 70	1	2	MD	6.48	40	32				160	34,214	35,510	8,554	450	550		8			4	3				
TOTAL FOR MAP NO. 6									6.48		32			160	34,214	35,510	8,554	450	550		8			4	3				
CRAVEN COUNTY	Craven	7	RAMP 800	US 70 EB TO NC 41	2	1	MD	0.27	24	20				8	1,426	1,426		600		28			1		1	1			
TOTAL FOR MAP NO. 7									0.27		20			8	1,426	1,426		600		28		1		1	1				
CRAVEN COUNTY	Craven	8	RAMP 801	NC 41 TO US 70 EB	2	1	MD	0.37	24	20				8	1,954	1,954		1,250							2				
TOTAL FOR MAP NO. 8									0.37		20			8	1,954	1,954		1,250							2				
CRAVEN COUNTY	Craven	9	RAMP 802	US 70 WB TO SR 1001	2	1	MD	0.28	24	20				8	5,280	1,478		600		28				1		1			
TOTAL FOR MAP NO. 9									0.28		20			8	5,280	1,478		600		28				1		1			
CRAVEN COUNTY	Craven	10	RAMP 803	SR 1001 TO US 70 WB	2	1	MD	0.36	24	20				8	1,901	1,901		980							2				
TOTAL FOR MAP NO. 10									0.36		20			8	1,901	1,901		980								2			
CRAVEN COUNTY	Craven	11	RAMP 804	US 70 EB TO SR 1224	2	1	MD	0.34	24	20				8	1,795	1,795		600		28				1		1			
TOTAL FOR MAP NO. 11									0.34		20			8	1,795	1,795		600		28				1		1			
CRAVEN COUNTY	Craven	12	RAMP 805	SR 1224 TO US 70 EB	2	1	MD	0.28	24	20				8	1,478	1,478		1,270							2				
TOTAL FOR MAP NO. 12									0.28		20			8	1,478	1,478		1,270								2			
CRAVEN COUNTY	Craven	13	RAMP 806	US 70 WB TO SR 1224	2	1	MD	0.37	24	20				8	1,954	1,954		600		25				2		1			
TOTAL FOR MAP NO. 13									0.37		20			8	1,954	1,954		600		25				2		1			
CRAVEN COUNTY	Craven	14	RAMP 807	SR 1224 TO US 70 WB	2	1	MD	0.27	24	20				8	1,426	1,426		1,270							2				
TOTAL FOR MAP NO. 14									0.27		20			8	1,426	1,426		1,270								2			
CRAVEN COUNTY	Craven	15	RAMP 808	US 70 EB TO SR 1225	2	1	MD	0.32	24	20				8	1,690	1,690		600		25				2		1			
TOTAL FOR MAP NO. 15									0.32		20			8	1,690	1,690		600		25				2		1			
CRAVEN COUNTY	Craven	16	RAMP 809	SR 1225 TO US 70 EB	2	1	MD	0.32	24	20				8	1,690	1,690		1,410							2				
TOTAL FOR MAP NO. 16									0.32		20			8	1,690	1,690		1,410								2		1	
CRAVEN COUNTY	Craven	17	RAMP 810	US 70 WB TO SR 1225	2	1	MD	0.29	24	20				8	1,531	1,531		600		25				2		1			
TOTAL FOR MAP NO. 17									0.29		20			8	1,531	1,531		600		25				2		1			
CRAVEN COUNTY	Craven	18	RAMP 811	SR 1225 TO US 70 WB	2	1	MD	0.31	24	20				8	1,637	1,637		1,270						2		1			
TOTAL FOR MAP NO. 18									0.31		20			8	1,637	1,637		1,270						2		1			
CRAVEN COUNTY	Craven	19	RAMP 812	US 17 EB TO SR 1309	2	1	MD	0.24	24	20				8	1,267	1,267	250	1,000		55				3		1			
TOTAL FOR MAP NO. 19									0.24		20			8	1,267	1,267	250	1,000		55				3		3	1		
CRAVEN COUNTY	Craven	20	RAMP 813	SR 1309 TO US 17 EB	2	1	MD	0.23	24	20				8	1,214	1,214		1,300							2				
TOTAL FOR MAP NO. 20									0.23		20			8	1,214	1,214		1,300									2		
CRAVEN COUNTY	Craven	21	RAMP 814	US 17 WB TO SR 1309	2	1	MD	0.24	24	20				8	1,267	1,267	175	1,000		55				3		1			
TOTAL FOR MAP NO. 21									0.24		20			8	1,267	1,267	175	1,000		55				3		3	1		
CRAVEN COUNTY	Craven	22	RAMP 815	SR 1309 TO US 17 WB	2	1	MD	0.23	24	20				8	1,214	1,214		1,350							2				
TOTAL FOR MAP NO. 22									0.23		20			8	1,214	1,214		1,350									2		
CRAVEN COUNTY	Craven	23	RAMP 816	US 17 EB TO US 17 BUSINESS	2	1	MD	0.20	24	20				8	1,056	1,056	350	950		55				3		1			
TOTAL FOR MAP NO. 23									0.20		20			8	1,056	1,056	350	950		55				3		3	1		
CRAVEN COUNTY	Craven	24	RAMP 817	US 17 BUSINESS TO US 17 EB	2	1	MD	0.23	24	20				8	1,214	1,214	150	1,100							3				
TOTAL FOR MAP NO. 24									0.23		20			8	1,214	1,214	150	1,100									3		
CRAVEN COUNTY	Craven	25	RAMP 818	US 17 WB TO US 17 BUSINESS	2	1	MD	0.22	24	20				8	1,162	1,162	350	1,050		25				3		1			
TOTAL FOR MAP NO. 25									0.22		20			8	1,162	1,162	350	1,050		25				3		3	1		
CRAVEN COUNTY	Craven	26	RAMP 819	US 17 BUSINESS TO US 17 WB	2	1	MD	0.22	24	20				8	1,162	1,162	150	1,270							3				
TOTAL FOR MAP NO. 26									0.22		20			8	1,162	1,162	150	1,270									3		
CRAVEN COUNTY	Craven	27	RAMP 820	US 17 EB TO SR 1200	2	1	MD	0.25	24	20				8	1,320	1,320		600		25					2	1			
TOTAL FOR MAP NO. 27									0.25		20			8	1,320	1,320		600		25						2	1		
CRAVEN COUNTY	Craven	28	RAMP 821	SR 1200 TO US 17 EB	2	1	MD	0.08	24	20				8	422	422		250											
TOTAL FOR MAP NO. 28									0.08		20			8	422	422		250											
CRAVEN COUNTY	Craven	29	RAMP 822	US 17 WB TO NC 55	2	1	MD	0.24	24	20				8	1,267	1,267	500	600		65					6	1			
TOTAL FOR MAP NO. 29									0.24		20			8	1,267	1,267	500	600		65						6	1		
CRAVEN COUNTY	Craven	30	RAMP 823	NC 55 TO US 17 WB	2	1	MD	0.23	24	20				8	1,214	1,214		1,280							2				
TOTAL FOR MAP NO. 30									0.23		20			8	1,214	1,214		1,280										2	
TOTAL FOR PROJ NO. CRAVEN COUNTY																													

PROJECT NO.	SHEET NO.	TOTAL NO.
I-6002	8	

SUMMARY OF QUANTITIES

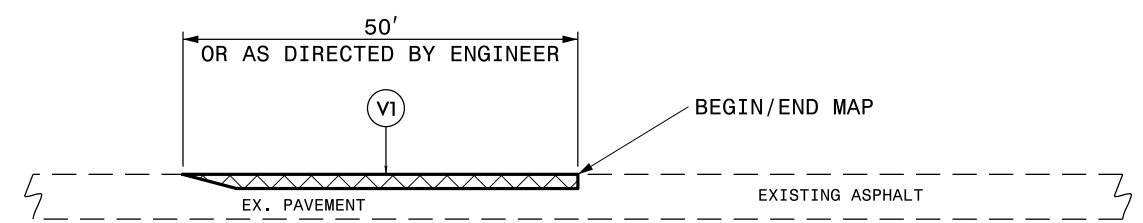
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	3030000000-E	3287000000-N	3360000000-E	4600000000-N	6000000000-E	6071010000-E	6084000000-E	6117000000-N			
												STEEL BEAM GUARDRAIL	GUARDRAIL END UNITS, TYPE TL-3	REMOVE EXISTING GUARDRAIL	LANE CLOSURE	RAMP/LOO P CLOSURE	TEMPORARY SILT FENCE	WATTLE	SEED & MULCHING	RESPONSE FOR EROSION CONTROL		
												LF	EA	LF	EA	EA	EA	EA	EA	EA		
JONES COUNTY	Jones	1	US 70 EB	SR 1005 TO CRAVEN COUNTY	1	2	MD	YES	NO	8.00	40					20		400	200	12.00	3	
TOTAL FOR MAP NO. 1											8.00				20		400	200	12.00	3		
JONES COUNTY	Jones	2	US 70 WB	CRAVEN COUNTY TO SR 1005	1	2	MD	YES	NO	7.94	40					20		397	199	11.91		
TOTAL FOR MAP NO. 2											7.94				20		397	199	11.91			
TOTAL FOR PROJ NO. JONES COUNTY											15.94				40		797	399	23.91	3		
CRAVEN COUNTY	Craven	3	US 70 EB	JONES COUNTY TO US 17	1	2	MD	YES	NO	11.17	40					30		559	279	16.76		
TOTAL FOR MAP NO. 3											11.17				30		559	279	16.76			
CRAVEN COUNTY	Craven	4	US 17 EB	US 70 TO THE NUESE RIVER BRIDGE #83	1	2	MD	YES	NO	6.11	40	2,608	18	2,608	15			306	153	9.17		
TOTAL FOR MAP NO. 4											6.11		2,608	18	2,608	15			306	153	9.17	
CRAVEN COUNTY	Craven	5	US 70 WB	US 17 TO JONES COUNTY	1	2	MD	YES	NO	10.87	40					30		544	272	16.31		
TOTAL FOR MAP NO. 5											10.87				30		544	272	16.31			
CRAVEN COUNTY	Craven	6	US 17 WB	NEUSE RIVER BRIDGE #83 TO US 70	1	2	MD	YES	NO	6.48	40	2,264	12	2,264	15			324	162	9.72		
TOTAL FOR MAP NO. 6											6.48		2,264	12	2,264	15			324	162	9.72	
CRAVEN COUNTY	Craven	7	RAMP 800	US 70 EB TO NC 41	2	1	MD	NO	NO	0.27	24									0.34		
TOTAL FOR MAP NO. 7											0.27										0.34	
CRAVEN COUNTY	Craven	8	RAMP 801	NC 41 TO US 70 EB	2	1	MD	NO	NO	0.37	24									0.46		
TOTAL FOR MAP NO. 8											0.37										0.46	
CRAVEN COUNTY	Craven	9	RAMP 802	US 70 WB TO SR 1001	2	1	MD	NO	NO	0.28	24									0.35		
TOTAL FOR MAP NO. 9											0.28										0.35	
CRAVEN COUNTY	Craven	10	RAMP 803	SR 1001 TO US 70 WB	2	1	MD	NO	NO	0.36	24									0.45		
TOTAL FOR MAP NO. 10											0.36										0.45	
CRAVEN COUNTY	Craven	11	RAMP 804	US 70 EB TO SR 1224	2	1	MD	NO	NO	0.34	24									0.43		
TOTAL FOR MAP NO. 11											0.34										0.43	
CRAVEN COUNTY	Craven	12	RAMP 805	SR 1224 TO US 70 EB	2	1	MD	NO	NO	0.28	24									0.35		
TOTAL FOR MAP NO. 12											0.28										0.35	
CRAVEN COUNTY	Craven	13	RAMP 806	US 70 WB TO SR 1224	2	1	MD	NO	NO	0.37	24									0.46		
TOTAL FOR MAP NO. 13											0.37										0.46	
CRAVEN COUNTY	Craven	14	RAMP 807	SR 1224 TO US 70 WB	2	1	MD	NO	NO	0.27	24									0.34		
TOTAL FOR MAP NO. 14											0.27										0.34	
CRAVEN COUNTY	Craven	15	RAMP 808	US 70 EB TO SR 1225	2	1	MD	NO	NO	0.32	24									0.40		
TOTAL FOR MAP NO. 15											0.32										0.40	
CRAVEN COUNTY	Craven	16	RAMP 809	SR 1225 TO US 70 EB	2	1	MD	NO	NO	0.32	24									0.40		
TOTAL FOR MAP NO. 16											0.32										0.40	
CRAVEN COUNTY	Craven	17	RAMP 810	US 70 WB TO SR 1225	2	1	MD	NO	NO	0.29	24									0.36		
TOTAL FOR MAP NO. 17											0.29										0.36	
CRAVEN COUNTY	Craven	18	RAMP 811	SR 1225 TO US 70 WB	2	1	MD	NO	NO	0.31	24									0.39		
TOTAL FOR MAP NO. 18											0.31										0.39	
CRAVEN COUNTY	Craven	19	RAMP 812	US 17 EB TO SR 1309	2	1	MD	NO	NO	0.24	24									0.30		
TOTAL FOR MAP NO. 19											0.24										0.30	
CRAVEN COUNTY	Craven	20	RAMP 813	SR 1309 TO US 17 EB	2	1	MD	NO	NO	0.23	24									0.29		
TOTAL FOR MAP NO. 20											0.23										0.29	
CRAVEN COUNTY	Craven	21	RAMP 814	US 17 WB TO SR 1309	2	1	MD	NO	NO	0.24	24									0.30		
TOTAL FOR MAP NO. 21											0.24										0.30	
CRAVEN COUNTY	Craven	22	RAMP 815	SR 1309 TO US 17 WB	2	1	MD	NO	NO	0.23	24									0.29		
TOTAL FOR MAP NO. 22											0.23										0.29	
CRAVEN COUNTY	Craven	23	RAMP 816	US 17 EB TO US 17 BUSINESS	2	1	MD	NO	NO	0.20	24									0.25		
TOTAL FOR MAP NO. 23											0.20										0.25	
CRAVEN COUNTY	Craven	24	RAMP 817	US 17 BUSINESS TO US 17 EB	2	1	MD	NO	NO	0.23	24	914	2	914	2					0.29		
TOTAL FOR MAP NO. 24											0.23	914	2	914	2						0.29	
CRAVEN COUNTY	Craven	25	RAMP 818	US 17 WB TO US 17 BUSINESS	2	1	MD	NO	NO	0.22	24									0.28		
TOTAL FOR MAP NO. 25											0.22										0.28	
CRAVEN COUNTY	Craven	26	RAMP 819	US 17 BUSINESS TO US 17 WB	2	1	MD	NO	NO	0.22	24	765	2	765	2					0.28		
TOTAL FOR MAP NO. 26											0.22	765	2	765	2						0.28	
CRAVEN COUNTY	Craven	27	RAMP 820	US 17 EB TO SR 1200	2	1	MD	NO	NO	0.25	24	428	2	428	2					0.31		
TOTAL FOR MAP NO. 27											0.25	428	2	428	2						0.31	
CRAVEN COUNTY	Craven	28	RAMP 821	SR 1200 TO US 17 EB	2	1	MD	NO	NO	0.08	24									0.10		
TOTAL FOR MAP NO. 28											0.08										0.10	
CRAVEN COUNTY	Craven	29	RAMP 822	US 17 WB TO NC 55	2	1	MD	NO	NO	0.24	24									0.30		
TOTAL FOR MAP NO. 29											0.24										0.30	
CRAVEN COUNTY	Craven	30	RAMP 823	NC 55 TO US 17 WB	2	1	MD	NO	NO	0.23	24									0.29		
TOTAL FOR MAP NO. 30											0.23										0.29	
TOTAL FOR PROJ NO. CRAVEN COUNTY											41.02		6,979	36	6,979	90	48	1,733	866	59.95		
GRAND TOTAL											56.96		6,979	36	6,979	130	48	2,530	1,265	83.86	3	

PROJECT NO.	SHEET NO.	TOTAL NO.
I-6002	7	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	024100000-E	109950000-E	109970000-E	010600000-E	026400000-E	026400000-E	129700000-E	133000000-E	149100000-E	150300000-E	152300000-E	157500000-E	184000000-E	
												GEOGRID (PROVIDED BY STATE FORCES, PER CONTRACT)	SHALLOW UNDERCUT	CLASS IV SUBGRADE STABILIZATION	BORROW EXCAVATION	OUTSIDE SHOULDER RECONSTRUCTION (T2)	MEDIAN SHOULDER RECONSTRUCTION (T1)	2.5" MILLING	INCIDENTAL MILLING	BASE COURSE, B25.0C	INTERMEDIATE COURSE, I19.0C	SURFACE COURSE, S9.5C	ASPHALT BINDER FOR PLANT MIX	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)	
											MI	FT	SY	CY	TON	CY	SMI	SMI	SY	SY	TONS	TONS	TONS	TONS	LF
JONES COUNTY	Jones	1	US 70 EB	SR 1005 TO CRAVEN COUNTY	1	2	MD	YES	NO	8.00	40	42,240	4,696	6,600	6,000	8.00	8.00	112,640		15,024	16,514	16,610	2,465	84,480	
TOTAL FOR MAP NO. 1											8.00		42,240	4,696	6,600	6,000	8.00	8.00	112,640		15,024	16,514	16,610	2,465	84,480
JONES COUNTY	Jones	2	US 70 WB	CRAVEN COUNTY TO SR 1005	1	2	MD	YES	NO	7.94	40	41,923	4,661	6,551	5,955	7.94	7.94	111,795		14,624	16,390	16,328	2,425	83,846	
TOTAL FOR MAP NO. 2											7.94		41,923	4,661	6,551	5,955	7.94	7.94	111,795		14,624	16,390	16,328	2,425	83,846
TOTAL FOR PROJ NO. JONES COUNTY											15.94		84,163	9,357	13,151	11,955	15.94	15.94	224,435		29,648	32,904	32,938	4,890	168,326
CRAVEN COUNTY	Craven	3	US 70 EB	JONES COUNTY TO US 17	1	2	MD	YES	NO	11.17	40	58,978	6,557	9,215	8,378	11.17	11.17	262,123		20,574	23,058	22,971	3,411	117,955	
TOTAL FOR MAP NO. 3											11.17		58,978	6,557	9,215	8,378	11.17	11.17	262,123		20,574	23,058	22,971	3,411	117,955
CRAVEN COUNTY	Craven	4	US 17 EB	US 70 TO THE NUESE RIVER BRIDGE #83	1	2	MD	YES	NO	6.11	40	32,261	3,587	5,041	4,583	6.11	6.11	86,029		11,254	12,613	12,565	1,866	64,522	
TOTAL FOR MAP NO. 4											6.11		32,261	3,587	5,041	4,583	6.11	6.11	86,029		11,254	12,613	12,565	1,866	64,522
CRAVEN COUNTY	Craven	5	US 70 WB	US 17 TO JONES COUNTY	1	2	MD	YES	NO	10.87	40	57,394	6,381	8,968	8,152	10.87	10.87	153,050		20,021	22,439	22,354	3,319	114,787	
TOTAL FOR MAP NO. 5											10.87		57,394	6,381	8,968	8,152	10.87	10.87	153,050		20,021	22,439	22,354	3,319	114,787
CRAVEN COUNTY	Craven	6	US 17 WB	NUESE RIVER BRIDGE #83 TO US 70	1	2	MD	YES	NO	6.48	40	34,214	3,804	5,346	4,860	6.48	6.48	91,238		11,935	13,377	13,326	1,979	68,429	
TOTAL FOR MAP NO. 6											6.48		34,214	3,804	5,346	4,860	6.48	6.48	91,238		11,935	13,377	13,326	1,979	68,429
CRAVEN COUNTY	Craven	7	RAMP 800	US 70 EB TO NC 41	2	1	MD	NO	NO	0.27	24				47		0.54	3,825	240		575	470	56	100	
TOTAL FOR MAP NO. 7											0.27					47		0.54	3,825	240		575	470	56	100
CRAVEN COUNTY	Craven	8	RAMP 801	NC 41 TO US 70 EB	2	1	MD	NO	NO	0.37	24				65		0.74	5,350	100		801	686	80	100	
TOTAL FOR MAP NO. 8											0.37					65		0.74	5,350	100		801	686	80	100
CRAVEN COUNTY	Craven	9	RAMP 802	US 70 WB TO SR 1001	2	1	MD	NO	NO	0.28	24				49		0.56	3,825	240		574	471	56	100	
TOTAL FOR MAP NO. 9											0.28					49		0.56	3,825	240		574	471	56	100
CRAVEN COUNTY	Craven	10	RAMP 803	SR 1001 TO US 70 WB	2	1	MD	NO	NO	0.36	24				63		0.72	5,350	100		799	687	80	100	
TOTAL FOR MAP NO. 10											0.36					63		0.72	5,350	100		799	687	80	100
CRAVEN COUNTY	Craven	11	RAMP 804	US 70 EB TO SR 1224	2	1	MD	NO	NO	0.34	24				60		0.68	4,348	250		652	634	69	100	
TOTAL FOR MAP NO. 11											0.34					60		0.68	4,348	250		652	634	69	100
CRAVEN COUNTY	Craven	12	RAMP 805	SR 1224 TO US 70 EB	2	1	MD	NO	NO	0.28	24				49		0.56	3,185	100		476	625	60	100	
TOTAL FOR MAP NO. 12											0.28					49		0.56	3,185	100		476	625	60	100
CRAVEN COUNTY	Craven	13	RAMP 806	US 70 WB TO SR 1224	2	1	MD	NO	NO	0.37	24				65		0.74	4,348	250		651	632	69	100	
TOTAL FOR MAP NO. 13											0.37					65		0.74	4,348	250		651	632	69	100
CRAVEN COUNTY	Craven	14	RAMP 807	SR 1224 TO US 70 WB	2	1	MD	NO	NO	0.27	24				47		0.54	3,185	100		475	625	60	100	
TOTAL FOR MAP NO. 14											0.27					47		0.54	3,185	100		475	625	60	100
CRAVEN COUNTY	Craven	15	RAMP 808	US 70 EB TO SR 1225	2	1	MD	NO	NO	0.32	24				56		0.64	3,840	240		575	526	59	100	
TOTAL FOR MAP NO. 15											0.32					56		0.64	3,840	240		575	526	59	100
CRAVEN COUNTY	Craven	16	RAMP 809	SR 1225 TO US 70 EB	2	1	MD	NO	NO	0.32	24				56		0.64	4,540	100		679	340	53	100	
TOTAL FOR MAP NO. 16											0.32					56		0.64	4,540	100		679	340	53	100
CRAVEN COUNTY	Craven	17	RAMP 810	US 70 WB TO SR 1225	2	1	MD	NO	NO	0.29	24				51		0.58	3,840	240		576	525	59	100	
TOTAL FOR MAP NO. 17											0.29					51		0.58	3,840	240		576	525	59	100
CRAVEN COUNTY	Craven	18	RAMP 811	SR 1225 TO US 70 WB	2	1	MD	NO	NO	0.31	24				54		0.62	4,540	100		680	341	53	100	
TOTAL FOR MAP NO. 18											0.31					54		0.62	4,540	100		680	341	53	100
CRAVEN COUNTY	Craven	19	RAMP 812	US 17 EB TO SR 1309	2	1	MD	NO	NO	0.24	24				42		0.48	2,800	175		420	231	34	100	
TOTAL FOR MAP NO. 19											0.24					42		0.48	2,800	175		420	231	34	100
CRAVEN COUNTY	Craven	20	RAMP 813	SR 1309 TO US 17 EB	2	1	MD	NO	NO	0.23	24				40		0.46	3,410	205		509	242	39	100	
TOTAL FOR MAP NO. 20											0.23					40		0.46	3,410	205		509	242	39	100
CRAVEN COUNTY	Craven	21	RAMP 814	US 17 WB TO SR 1309	2	1	MD	NO	NO	0.24	24				42		0.48	2,800	175		420	230	34	100	
TOTAL FOR MAP NO. 21											0.24					42		0.48	2,800	175		420	230	34	100
CRAVEN COUNTY	Craven	22	RAMP 815	SR 1309 TO US 17 WB	2	1	MD	NO	NO	0.23	24				40		0.46	3,410	205		509	240	39	100	
TOTAL FOR MAP NO. 22											0.23					40		0.46	3,410	205		509	240	39	100
CRAVEN COUNTY	Craven	23	RAMP 816	US 17 EB TO US 17 BUSINESS	2	1	MD	NO	NO	0.20	24				35		0.40	3,130	244		467	263	38	100	
TOTAL FOR MAP NO. 23											0.20					35		0.40	3,130	244		467	263	38	100
CRAVEN COUNTY	Craven	24	RAMP 817	US 17 BUSINESS TO US 17 EB	2	1	MD	NO	NO	0.23	24				40		0.46	3,230	205		488	321	43	100	
TOTAL FOR MAP NO. 24											0.23					40		0.46	3,230	205		488	321	43	100
CRAVEN COUNTY	Craven	25	RAMP 818	US 17 WB TO US 17 BUSINESS	2	1	MD	NO	NO	0.22	24				39		0.44	3,130	244		466	261	38	100	
TOTAL FOR MAP NO. 25											0.22					39		0.44	3,130	244		466	261	38	100
CRAVEN COUNTY	Craven	26	RAMP 819	US 17 BUSINESS TO US 17 WB	2	1	MD	NO	NO	0.22	24				39		0.44	3,230	205		486	324	43	100	
TOTAL FOR MAP NO. 26											0.22					39		0.44	3,230	205		486	324	43	100
CRAVEN COUNTY	Craven	27	RAMP 820	US 17 EB TO SR 1200	2	1	MD	NO	NO	0.25	24				44		0.50	2,740	165		411	290	37	100	
TOTAL FOR MAP NO. 27											0.25					44		0.50	2,740	165		411	290	37	100
CRAVEN COUNTY	Craven	28	RAMP 821	SR 1200 TO US 17 EB	2	1	MD	NO	NO	0.08	24				14</										

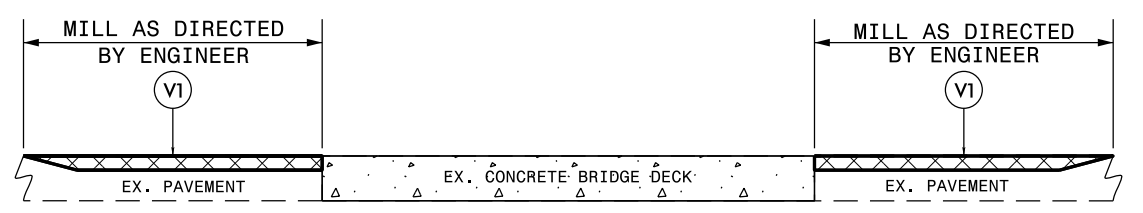
MILLING TYPICALS



DETAIL 1
BEGIN/END MAP TIE-IN

NOTE:

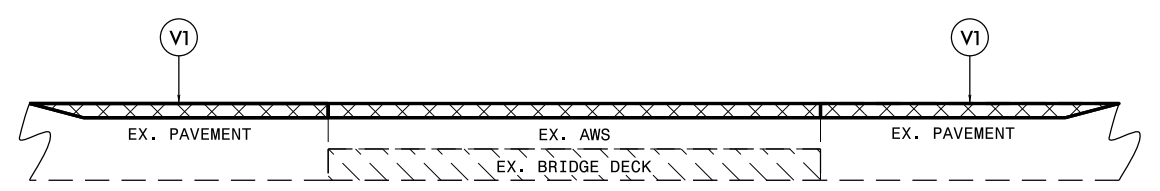
- MILLING SHALL BE PERFORMED AT MAIN LINE TIE-INS AND Y-LINE TIE-INS AS DIRECTED BY THE ENGINEER, IN ACCORDANCE WITH THIS DETAIL.



DETAIL 2
BRIDGE MILLING

NOTE:

- MILLING SHALL BE PERFORMED AT THE BRIDGE APPROACHES AS DIRECTED BY THE ENGINEER, IN ACCORDANCE WITH THIS DETAIL.

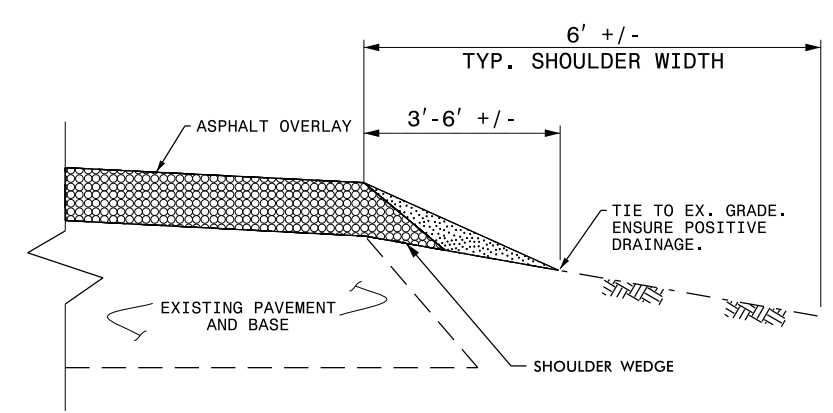


DETAIL 3
BRIDGE MILLING

NOTE:

- INCLUDES MILLING FOR THE ENTIRE WIDTH OF THE BRIDGE WEARING SURFACE, AS DIRECTED BY THE ENGINEER.

SHOULDER RECONSTRUCTION TYPICAL



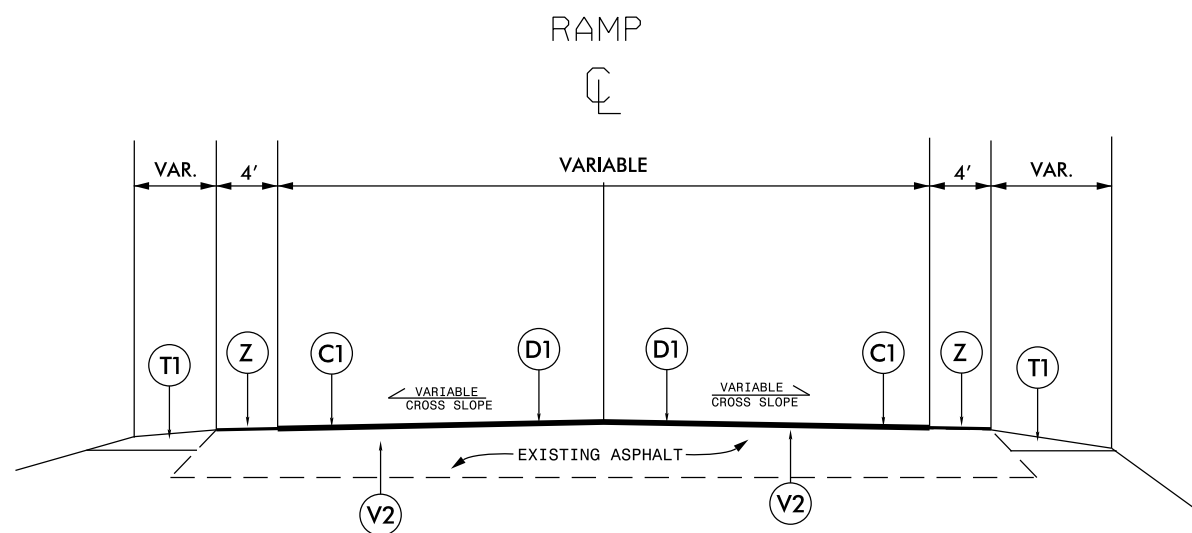
SHOULDER RECONSTRUCTION DETAIL

NOTE:

- SHOULDERS SHALL BE RECONSTRUCTED AS SHOWN IN STD. DWG. NO. 560.01 & 560.02, WITH A MINIMUM SLOPE OF 1" PER FOOT TO ENSURE POSITIVE DRAINAGE AWAY FROM THE ROADWAY.
- A VEGETATIVE BUFFER SHALL BE MAINTAINED BETWEEN THE DISTURBED AREA ALONG THE EDGE OF PAVEMENT AND THE DITCH SHOULDER POINT TO MINIMIZE EROSION. PULLING DITCHES OR CUTTING SHOULDERS TO GENERATE BORROW MATERIAL WILL NOT BE ALLOWED.
- ANY EXCESS MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR IN AN APPROVED DISPOSAL SITE.

TYPICAL SECTION NO. 2

MAP 07 THRU MAP 30



NOTE:

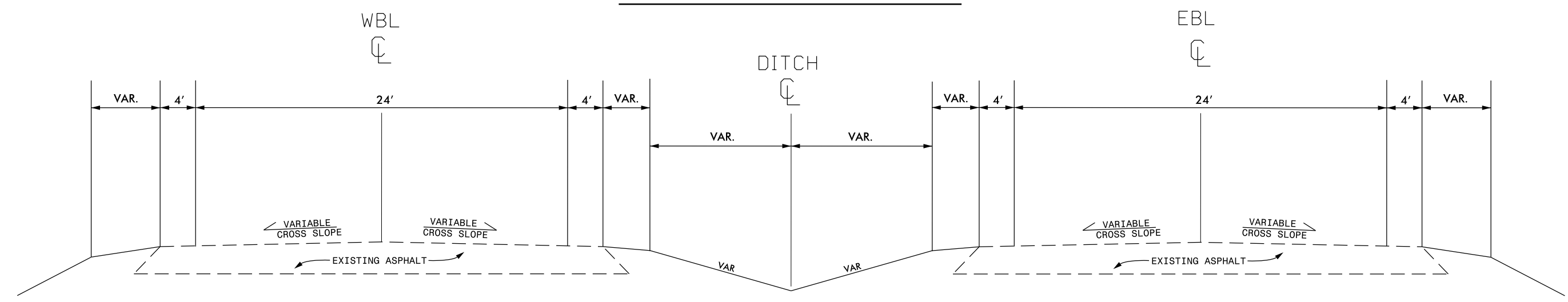
1. MILL TRAVEL WAY FROM WHITE LINE TO WHITE LINE AT A DEPTH OF 2½ INCHES.
2. PLACE INTERMEDIATE COURSE ASPHALT LAYER WITHIN THE MILLED SECTION.
3. PLACE SURFACE COURSE ASPHALT LAYER FULL WIDTH OF TRAVEL WAY, PAVED SHOULDERS, AND GORE AREAS.
4. PERFORM SHOULDER RECONSTRUCTION.
5. INSTALL PAVEMENT MARKINGS
6. INSTALL MILLED RUMBLE STRIPS 50 FEET BEYOND MAINLINE UP RAMP.

PAVEMENT SCHEDULE

C1	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. PER LAYER
D1	PROP. APPROX. 2½" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I 19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
E1	PROP. APPROX. 6" ASPHALT CONCRETE BASE COURSE, ONE LAYER OF TYPE B 25.0C, AT AN AVERAGE RATE OF 684 LBS. PER SQ. YD.
J	PROP. APPROX. 4" OF CLASS IV SUBGRADE STABILIZATION IN ONE LIFT
N	BIAXIAL GEOGRID MATERIAL (TO BE SUPPLIED BY NCDOT)
T1	MEDIAN SHOULDER RECONSTRUCTION
T2	OUTSIDE SHOULDER CONSTRUCTION
V1	INCIDENTAL MILLING
V2	2½" DEPTH MILLING
Z	MILLED RUMBLE STRIPS

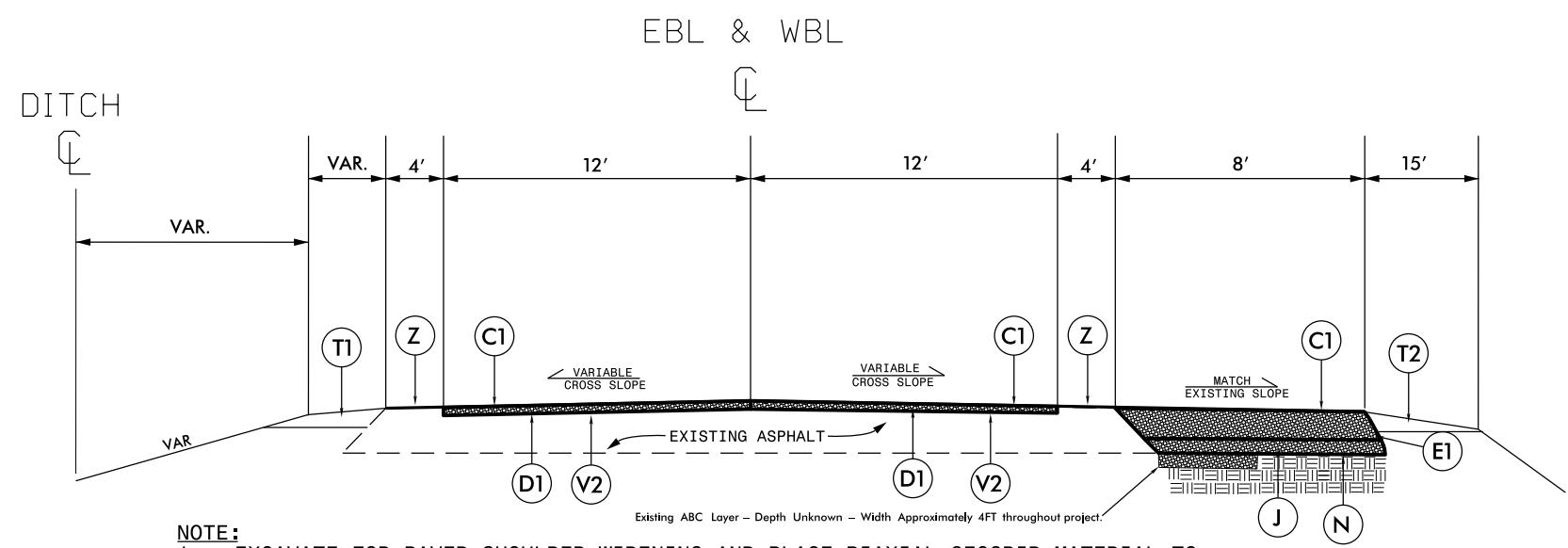
DRAWINGS NOT TO SCALE

EXISTING US-70/US-17 TYPICAL SECTION



TYPICAL SECTION NO. 1

MAP 1: US-70 FROM SR 1005 TO THE CRAVEN COUNTY LINE.
 MAP 2: US-70 FROM THE CRAVEN COUNTY LINE TO SR 1005.
 MAP 3: US-70 FROM THE JONES COUNTY LINE TO US-17.
 MAP 4: US-70 FROM US-17 TO THE JONES COUNTY LINE.
 MAP 5: US-17 FROM US-70 TO THE NUESE RIVER BRIDGE.
 MAP 6: US-17 FROM THE NUESE RIVER BRIDGE TO US-70.

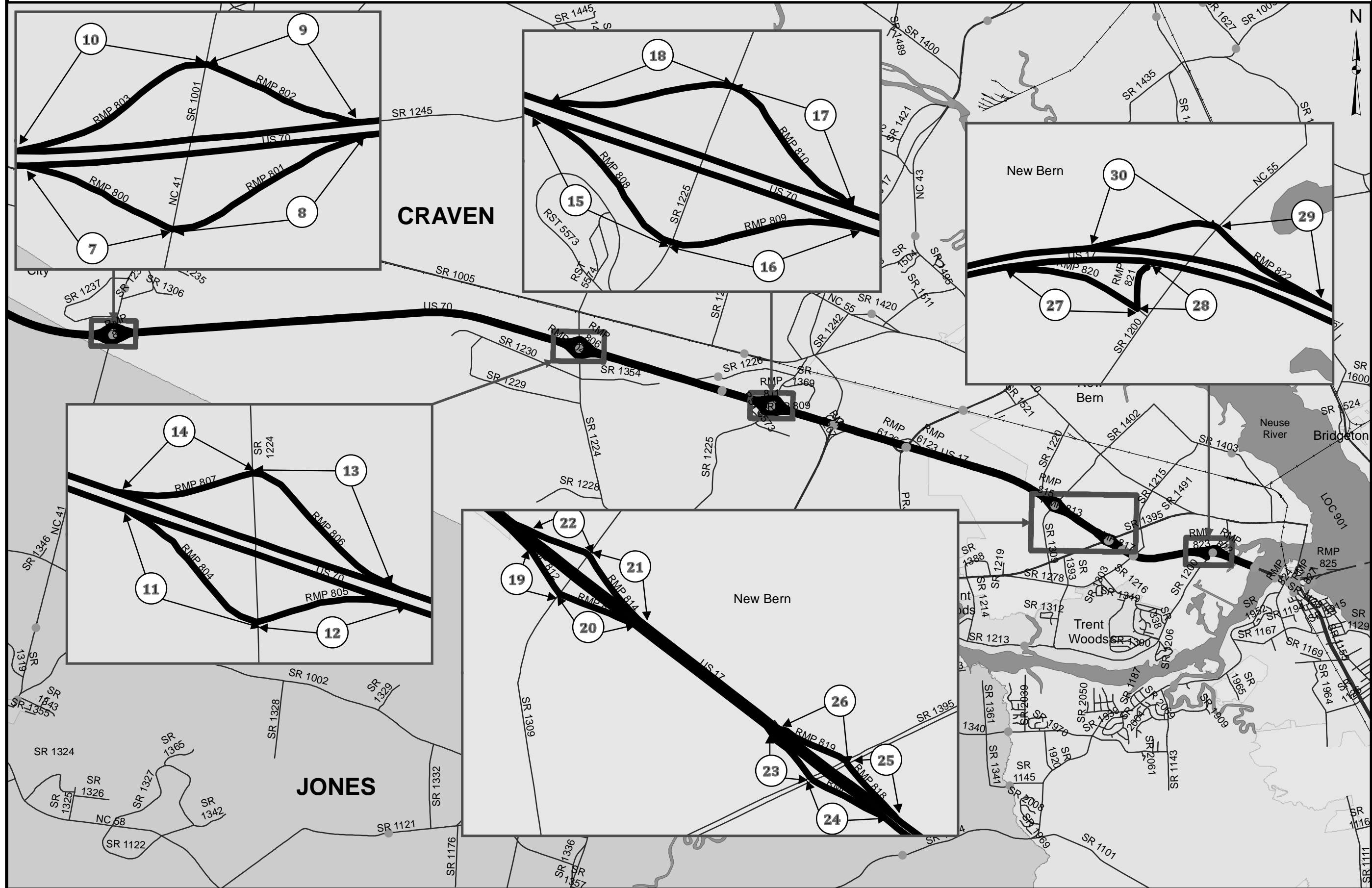


- NOTE:**
- EXCAVATE FOR PAVED SHOULDER WIDENING AND PLACE BIAXIAL GEOGRID MATERIAL TO SUPPORT CLASS IV SUBGRADE STABILIZATION. EXPLORATORY INFORMATION SUGGESTS THAT THERE IS APPROXIMATELY 4 FEET OF EXISTING ABC MATERIAL AT A DEPTH OF 10 INCHES BELOW THE EXISTING ASPHALT. THE GEOGRID MATERIAL WILL BE PLACED ON THE EXISTING ABC MATERIAL AND THE EXISTING UNCLASSIFIED MATERIAL FOR THE FULL WIDTH OF THE WIDENING.
 - PLACE CLASS IV SUBGRADE STABILIZATION IN ONE LAYER AT AN APPROXIMATE DEPTH OF 4 INCHES. EQUIPMENT WILL NOT BE ALLOWED DIRECTLY ON GEOGRID MATERIAL WHILE PLACING THE CLASS IV SUBGRADE STABILIZATION.
 - PLACE ASPHALT BASE COURSE LAYER IN PAVED SHOULDER WIDENING AREA TO MATCH THE SLOPE OF THE EXISTING ASPHALT. FLUSH OUT BASE COURSE LAYER WITH EXISTING ASPHALT PAVED SHOULDER.
 - PERFORM SHOULDER RECONSTRUCTION PRIOR TO REMOVAL OF TRAFFIC CONTROL DEVICES TO THE ELEVATION OF THE PAVED SHOULDER BASE COURSE LAYER.
 - MILL TRAVEL LANES 2½ INCHES AND PLACE INTERMEDIATE ASPHALT IN A CONTINUOUS OPERATION.
 - PLACE SURFACE COURSE ASPHALT LAYER FULL WIDTH OF TRAVEL LANES, PAVED SHOULDERS, AND GORE AREAS.
 - COMPLETE SHOULDER RECONSTRUCTION BY BACKFILLING INTERMEDIATE AND SURFACE COURSE LAYERS OF ASPHALT.
 - INSTALL PAVEMENT MARKINGS AND MILLED RUMBLE STRIPS.

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. PER LAYER
D1	PROP. APPROX. 2½" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I 19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
E1	PROP. APPROX. 6" ASPHALT CONCRETE BASE COURSE, ONE LAYER OF TYPE B 25.0C, AT AN AVERAGE RATE OF 684 LBS. PER SQ. YD.
J	PROP. APPROX. 4" OF CLASS IV SUBGRADE STABILIZATION IN ONE LIFT
N	BIAXIAL GEOGRID MATERIAL (TO BE SUPPLIED BY NCDOT)
T1	MEDIAN SHOULDER RECONSTRUCTION
T2	OUTSIDE SHOULDER RECONSTRUCTION
V1	INCIDENTAL MILLING
V2	2½" DEPTH MILLING
Z	MILLED RUMBLE STRIPS
DRAWINGS NOT TO SCALE	

INTERCHANGE RAMP LOCATIONS

PROJECT REFERENCE NO.	SHEET NO.
I-6002	2



PROJECT REFERENCE NO.	SHEET NO.
I-6002	1

CRAVEN & JONES COUNTY

WBS: 47746.3.1

**LOCATION: US-70 & US-17 FROM SR-1005 IN JONES COUNTY
TO THE NEUSE RIVER BRIDGES IN CRAVEN COUNTY**

**TYPE OF WORK: WIDENING, MILLING, RESURFACING, PAVEMENT MARKINGS,
PAVEMENT MARKERS, SHOULDER CONSTRUCTION, RUMBLE STRIPS**



NCDOT
DIVISION 2

