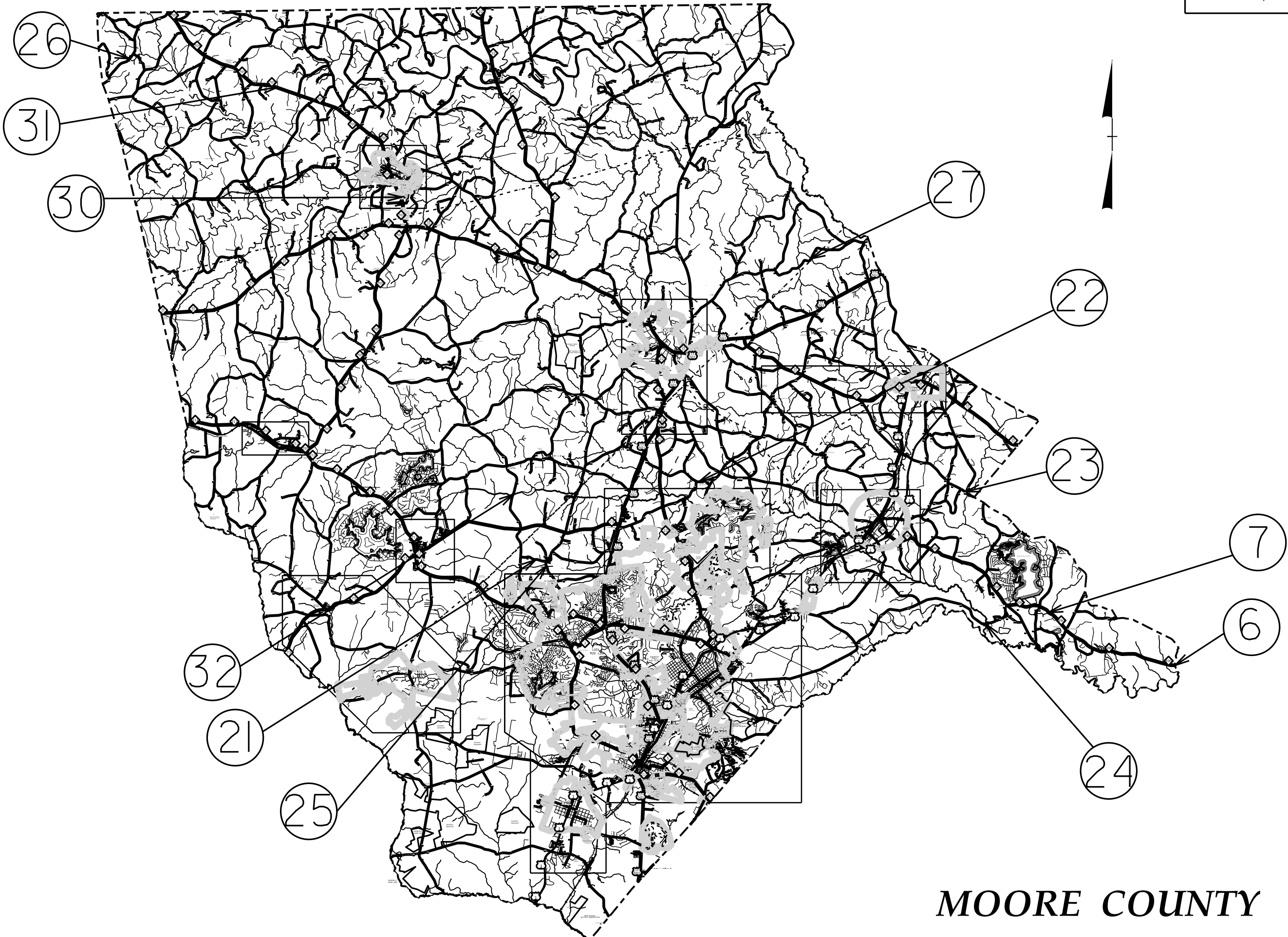


LEE COUNTY

SYSTEMS CONSULTANTS
 10000 W. HARRIS BLVD.
 SUITE 100
 FARMERSVILLE, VA 22434
 TEL: 540-893-8800
 FAX: 540-893-8801
 WWW: WWW.SCSYSTEMS.COM



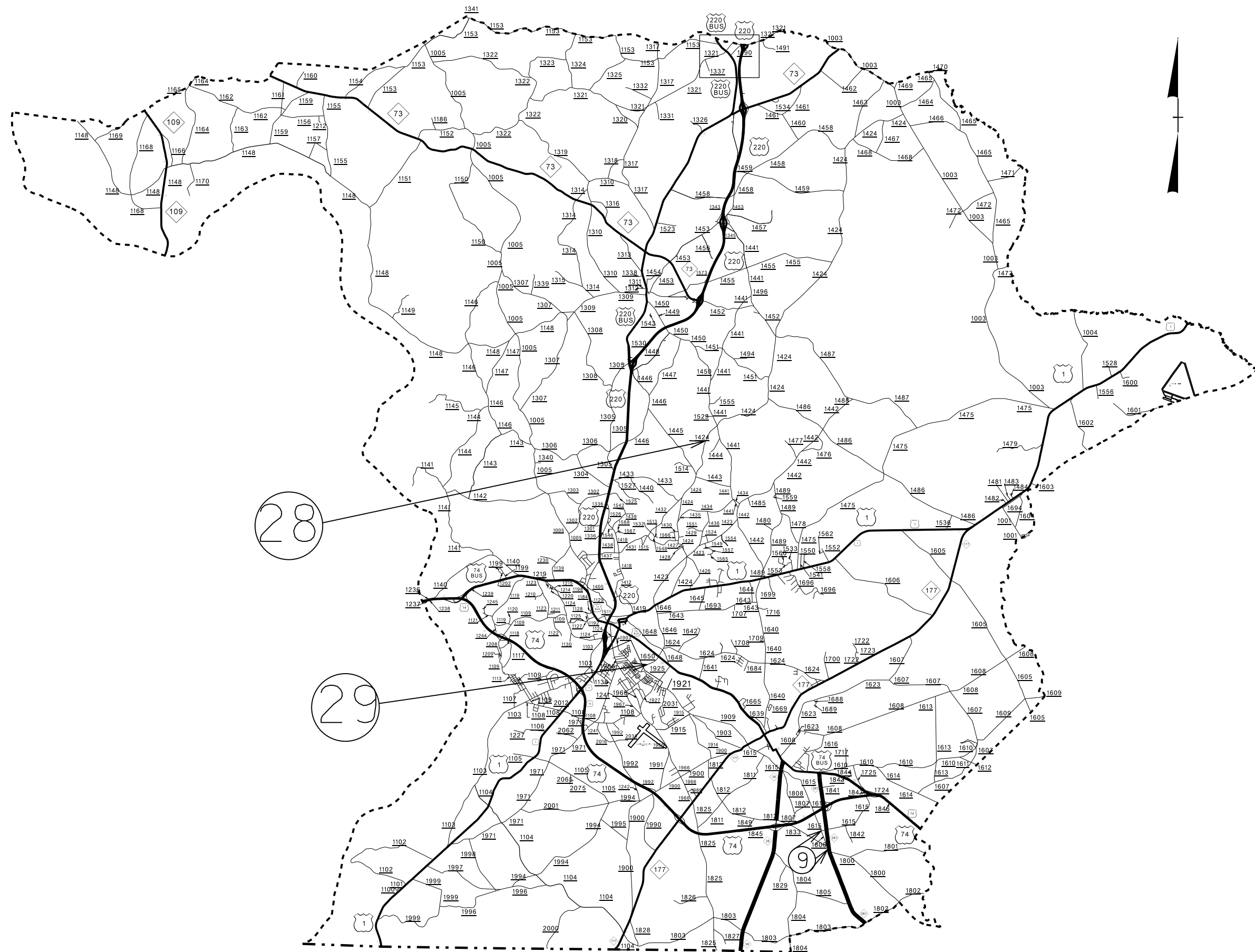
MOORE COUNTY

040397

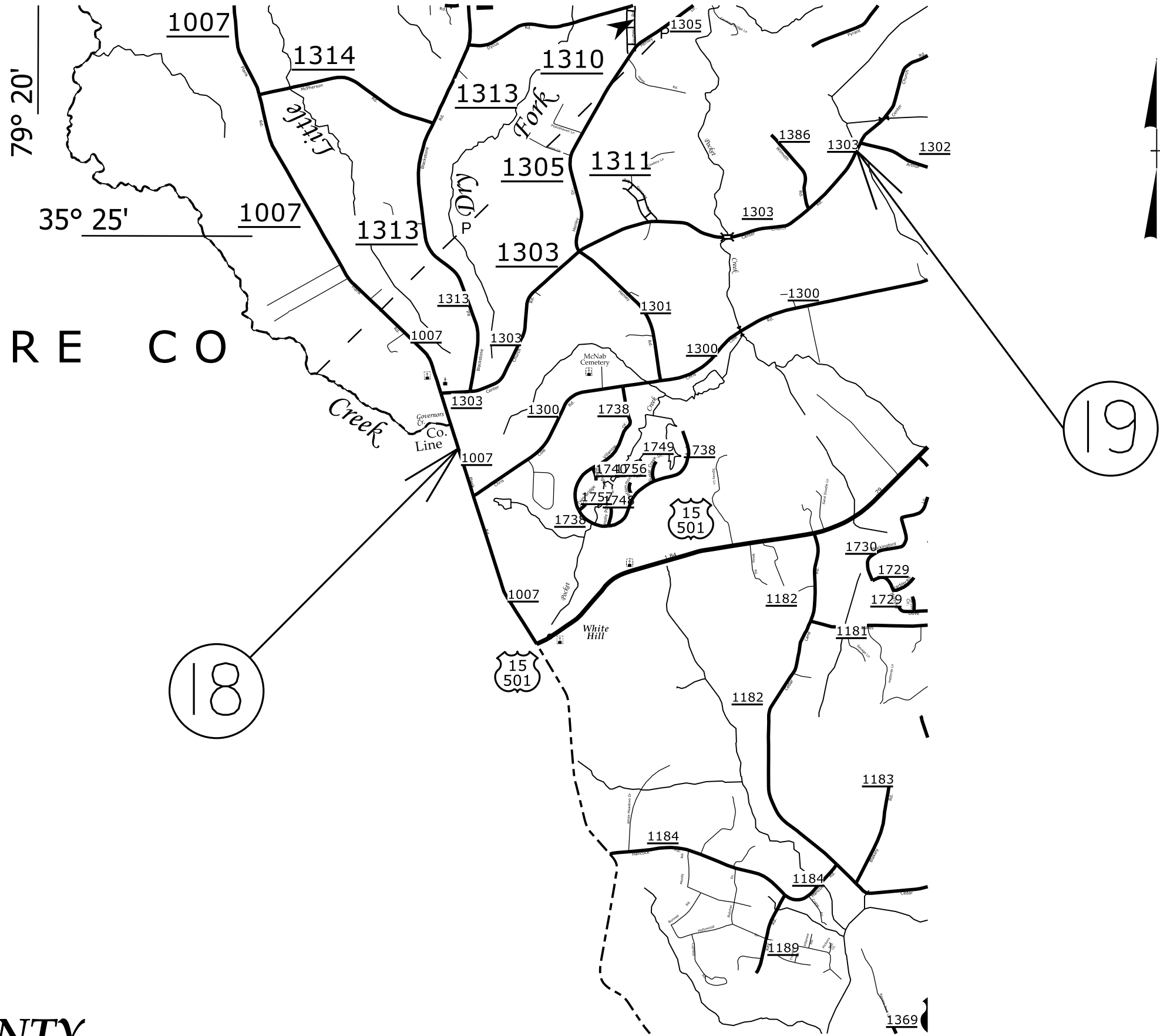
SYSTEMS DESIGN CONSULTANTS
INCORPORATED
10000 W. HARRIS AVE.
SUITE 100
DENVER, CO 80231
TEL: 303.751.1000
WWW.SDCON.COM

040397

DATE PLOTTED: 01/11/2001 10:00 AM
DRAWN BY: J. W. BROWN
CHECKED BY: J. W. BROWN
SCALE: AS SHOWN
PROJECT NO.: 15008.1047800, ETC.



RICHMOND COUNTY

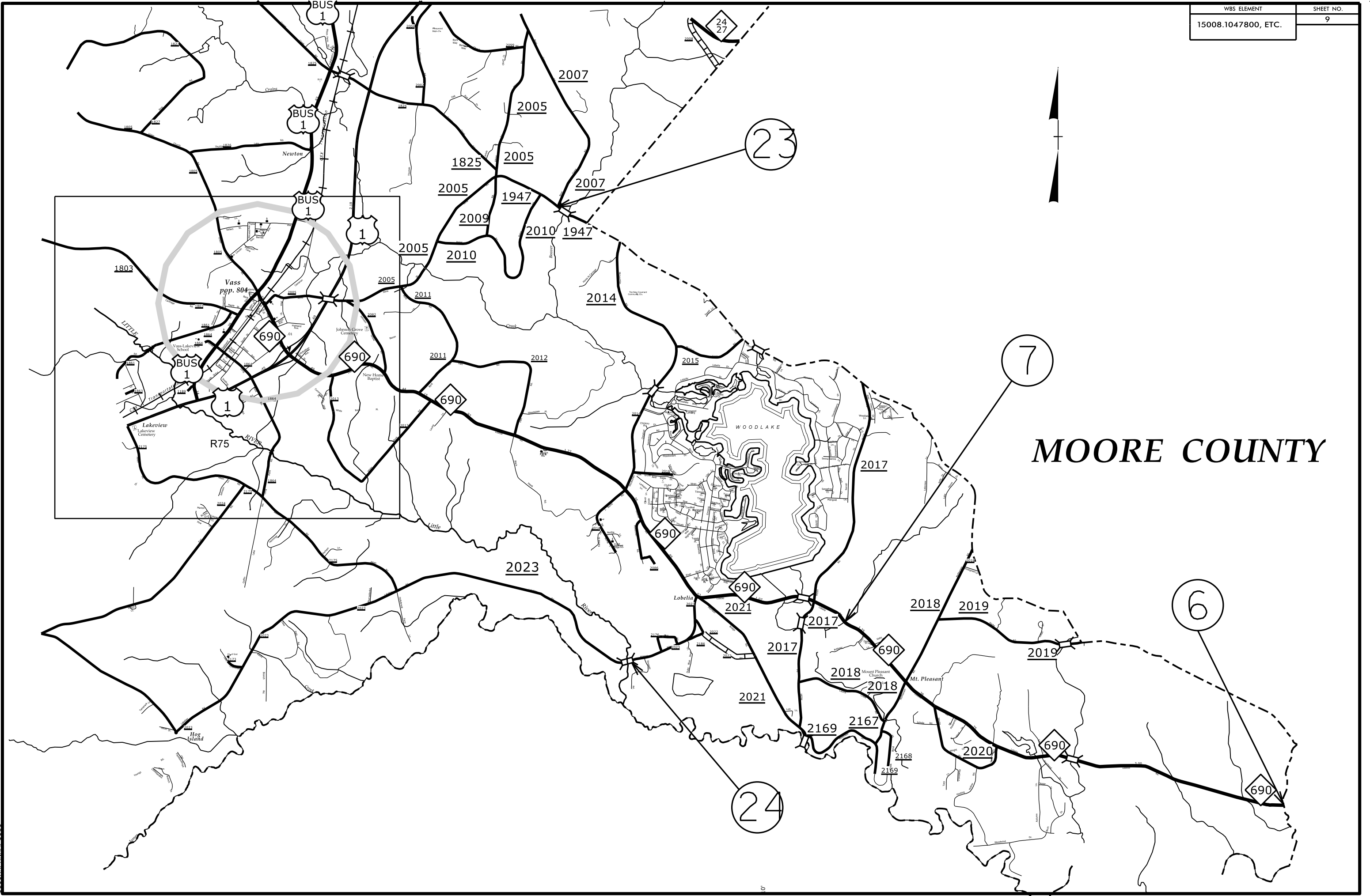


MOORE CO

LEE COUNTY

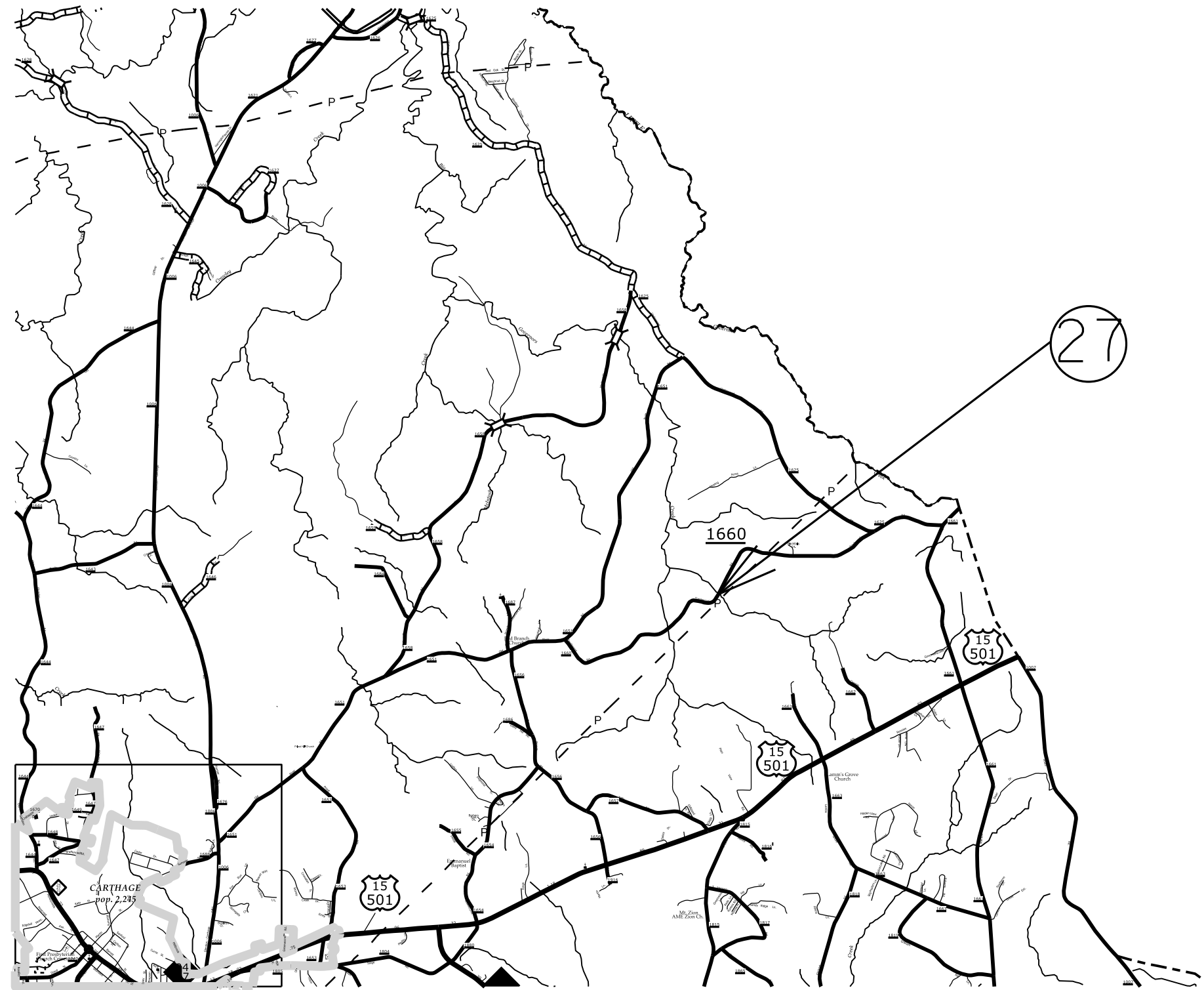
040397

SYSTEMS CONSULTANTS
L.L. SMITH & ASSOCIATES
INCORPORATED
1000 W. BROADWAY
SUITE 1000
MEMPHIS, TN 38102
901-525-1100
WWW.LLSMITH.COM



MOORE COUNTY

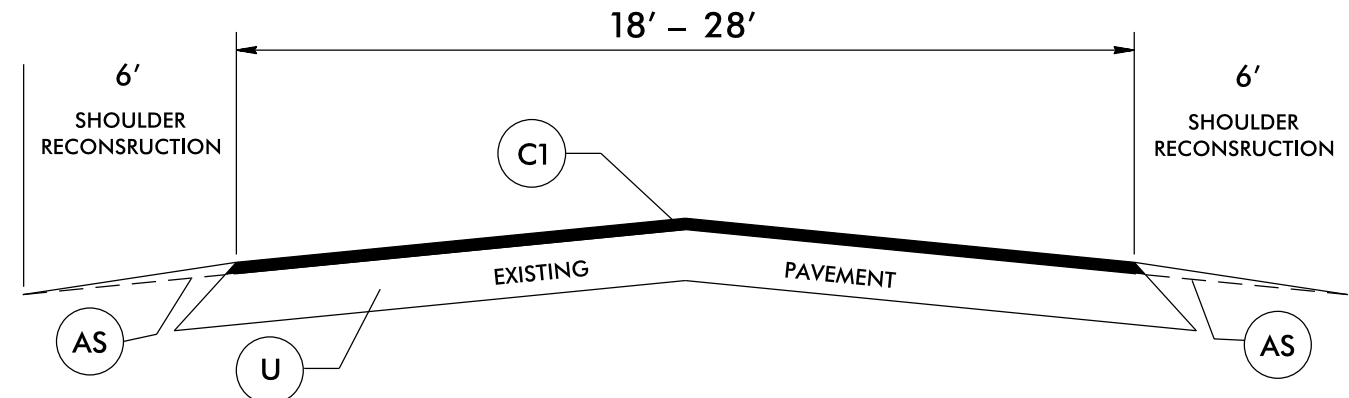
SYSTEMS DESIGN CONSULTANTS



MOORE COUNTY

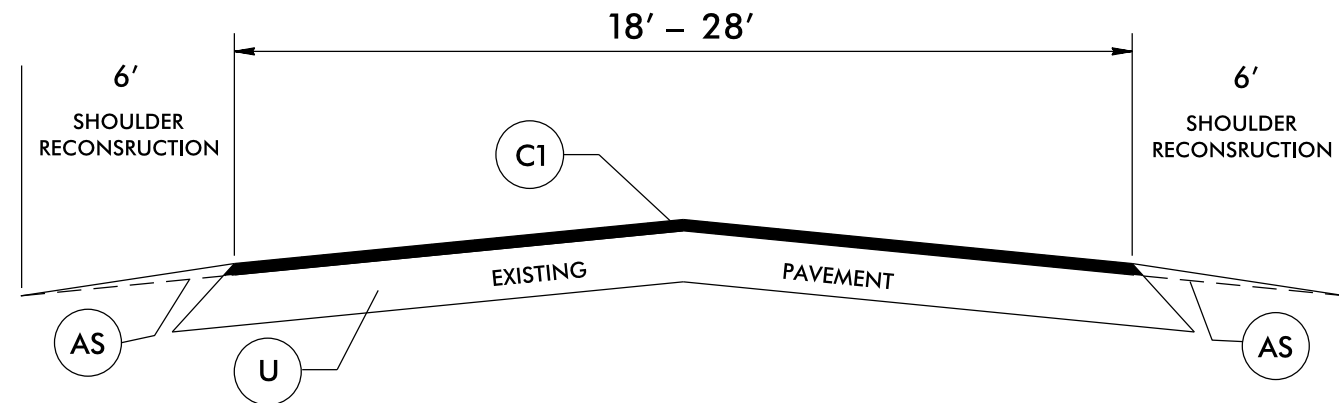
SYSTEMS DESIGN CONSULTANTS
INCORPORATED
1000 N. MAIN ST.
SUITE 100
COLUMBIA, MO 65201
PH: 636.321.1000
FAX: 636.321.1001
WWW.SDCCONSULTANTS.COM

TYPICAL SECTIONS

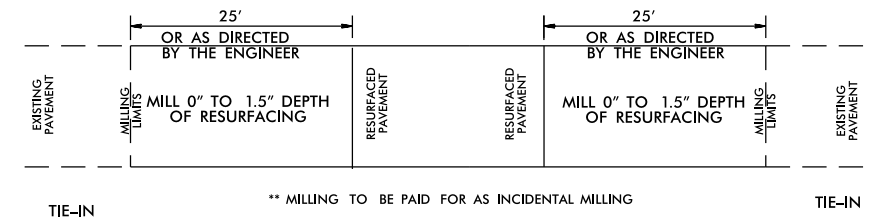


TYPICAL SECTION NO. 2

NOTE: CONTRACTOR SHALL PLACE LEVELLING COURSE AS DIRECTED BY THE ENGINEER.



TYPICAL SECTION NO. 1



PAVEMENT TIE-IN DETAIL

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
AS	AGGREGATE SHOULDER BORROW
U	EXISTING PAVEMENT.

15008.1047800, ETC. 13

SUMMARY OF QUANTITIES

PROJECT NO. 15008.1047800, 15008.1047802 15008.1047803, ETC.	SHEET NO. 14	TOTAL NO.
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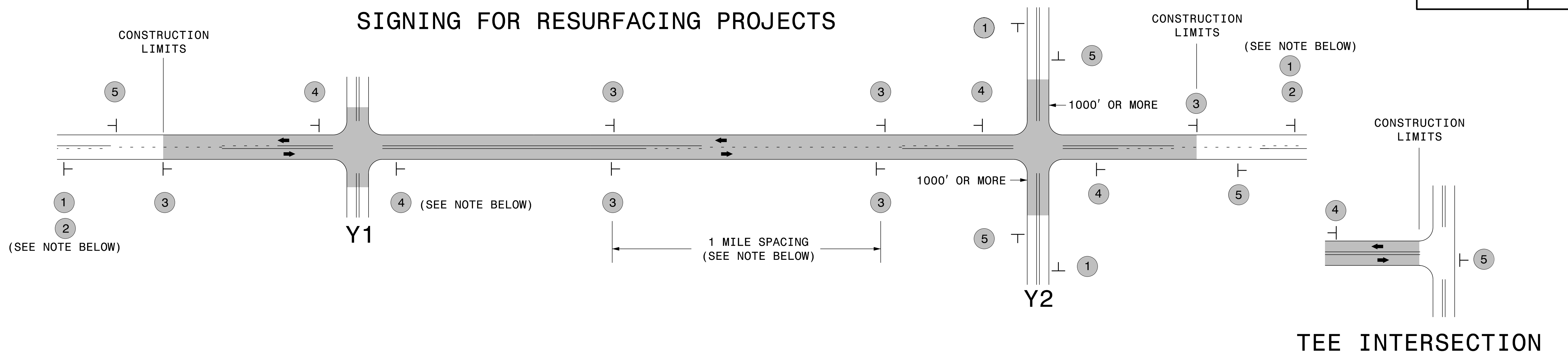
PROJECT	COUNTY	MAP ROUTE	DESCRIPTION	TYP	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	GENERIC GRADING ITEM - SHOULDER BORROW	SHOULDER RECONSTRUCTION	INCIDENTAL MILLING	SURFACE COURSE, SF9.5A	LEVELLING COURSE, SF9.5A	ASPHALT BINDER FOR PLANT MIX
15008.1047800	Hoke	NO	BETWEEN SR 1417 AND SR 1415	NO	2	2WU	NO	NO	MI	FT	TON	SMI	SY	TON	TON	TONS
									0.021	20	6.00	0.04	115	20	1	
									0.021		6.00	0.04	115	20	1	
									0.021		6.00	0.04	115	20	1	
TOTAL FOR PROJ NO. 15008.1047800																
15008.1047802	Hoke	2	SR 1422	BETWEEN SR 1426 AND SR 1461	1	2WU	NO	NO	0.015	24	4.50	0.03	135	18	18	1
									0.015		4.50	0.03	135	18	1	
									0.015		4.50	0.03	135	18	1	
									0.015		4.50	0.03	135	18	1	
TOTAL FOR PROJ NO. 15008.1047802																
15008.1047803	Hoke	3	SR 1149	0.1 MILES EAST OF US 401	2	2WU	NO	NO	0.025	28	7.00	0.05	115	34	15.00	3
									0.025		7.00	0.05	115	34	15.00	3
									0.025		7.00	0.05	115	34	15.00	3
									0.025		7.00	0.05	115	34	15.00	3
TOTAL FOR PROJ NO. 15008.1047803																
15008.1047804	Hoke	4	SR 1420	AT CUMBERLAND COUNTY LINE	1	2WU	NO	NO	0.024	28	7.00	0.05	160	33	160	2
									0.024		7.00	0.05	160	33	2	
									0.024		7.00	0.05	160	33	2	
									0.024		7.00	0.05	160	33	2	
TOTAL FOR PROJ NO. 15008.1047804																
15008.1047805	Hoke	5	SR 1406	BETWEEN SR 1412 AND SR 1410	1	2WU	NO	NO	0.031	26	9.00	0.06	145	39	145	3
									0.031		9.00	0.06	145	39	3	
									0.031		9.00	0.06	145	39	3	
									0.031		9.00	0.06	145	39	3	
TOTAL FOR PROJ NO. 15008.1047805																
15B.13.52	Moore	6	NC 690	MOORE / CUMBERLAND COUNTY LINE	1	2WU	NO	NO	0.024	24	7.00	0.05	135	28	28	2
									0.024		7.00	0.05	135	28	2	
									0.027	26	7.50	0.05	145	34	2	
									0.051		14.50	0.10	280	62	4	
TOTAL FOR PROJ NO. 15B.13.52																
15B.22.30	Hoke	8	SR 1409	BETWEEN US 401 AND SR 1411	1	2WU	NO	NO	0.041	20	12.00	0.08	115	40	40	3
									0.041		12.00	0.08	115	40	3	
									0.017	20	5.00	0.03	17	5.50	1	
									0.017		5.00	0.03	17	5.50	1	
TOTAL FOR PROJ NO. 15B.22.30																
15B.22.30	Hoke	10	SR 1415	0.7 MILES NORTH OF SR 1418	1	2WU	NO	NO	0.041	20	12.00	0.08	115	22	22	2
									0.041		12.00	0.08	115	22	2	
									0.023	20	7.00	0.05	115	23	2	
									0.122		36.00	0.24	345	102	8	
TOTAL FOR PROJ NO. 15B.22.30																
DF15008.2047011	Hoke	12	SR 1206	BETWEEN SR 1207 AND SR 1203	2	2WU	NO	NO	0.023	18	7.00	0.05	100	20	8.50	2
									0.023		7.00	0.05	100	20	8.50	2
									0.023		7.00	0.05	100	20	8.50	2
									0.023		7.00	0.05	100	20	8.50	2
TOTAL FOR PROJ NO. DF15008.2047011																
DF15008.2047014	Hoke	13	SR 1535	DEAD END ROAD IN BLACK BRANCH SUBDIVISION	1	2WU	NO	NO	0.021	20	6.00	0.04	115	20	20	1
									0.021		6.00	0.04	115	20	1	
									0.021		6.00	0.04	115	20	1	
									0.021		6.00	0.04	115	20	1	
TOTAL FOR PROJ NO. DF15008.2047014																
DF15008.2047015	Hoke	14	SR 1105	0.4MILES NORTH OF SR 1448	2	2WU	NO	NO	0.023	22	7.00	0.05	125	25	9.50	2
									0.023		7.00	0.05	125	25	9.50	2
									0.023		7.00	0.05	125	25	9.50	2
									0.023		7.00	0.05	125	25	9.50	2
TOTAL FOR PROJ NO. DF15008.2047015																
DF15008.2047802	Hoke	15	SR 1432	BETWEEN BRIDGE 41 AND 42	1	2WU	NO	NO	0.023	24	6.50	0.05	225	16	16	1
									0.023		6.50	0.05	225	16	1	
									0.15	24	4.50	0.03	135	18	1	
									0.15		4.50	0.03	135	18	1	
TOTAL FOR PROJ NO. DF15008.2047802																
DF15008.2053012	Lee	17	SR 1529	SR 1526 AND SR 1529	1	2WU	NO	NO	0.023	22	6.50	0.05	125	25	25	2
									0.023		6.50	0.05	125	25	2	
									0.023		6.50	0.05	125	25	2	
									0.023		6.50	0.05	125	25	2	
TOTAL FOR PROJ NO. DF15008.2053012																
DF15008.2053013	Lee	18	SR 1007	BETWEEN SR 1303 AND SR 1300	1	2WU	NO	NO	0.003	20	4.00	0.03	115	13	13	1
									0.003		4.00	0.03	115	13	1	
									0.003		4.00	0.03	115	13	1	
									0.003		4.00	0.03	115	13	1	
TOTAL FOR PROJ NO. DF15008.2053013																
DF15008.2053013	Lee	19	SR 1303	400 FEET WEST OF SR 1302	1	2WU	NO	NO	0.034	22	10.00	0.07	115	37	37	2
									0.034		10.00	0.07	115	37	2	
									0.034		10.00	0.07	115	37	2	
									0.034		10.00	0.07	115	37	2	
TOTAL FOR PROJ NO. DF15008.2053013																
DF15008.2053800	Lee	20	SR 1547	BETWEEN NC 42 AND DARYMPLE FARM RD	1	2WU	NO	NO	0.02	19	6.00	0.04	110	19	19	1
									0.02		6.00	0.04	110	19	1	
									0.02		6.00	0.04	110	19	1	
									0.02		6.00	0.04	110	19	1	
TOTAL FOR PROJ NO. DF15008.2053800																
DF15008.2063011	Moore	21	SR 1217	0.25 MILES WEST OF SR 1209	1	2WU	NO	NO	0.021	24	6.00	0.04	135	25	25	2
									0.021		6.00	0.04	135	25	2	
									0.021		6.00	0.04	135	25	2	
									0.021		6.00	0.04	135	25	2	
TOTAL FOR PROJ NO. DF15008.2063011																
DF15008.2063012	Moore	22	SR 1831	0.1 MILE EAST OF SR 1838	1	2WU	NO	NO	0.019	18	5.50	0.04	100	17	17	1
									0.019		5.50	0.04	100	17	1	
									0.019		5.50	0.04	100	17	1	
									0.019		5.50	0.04	100	17	1	
TOTAL FOR PROJ NO. DF15008.2063012																
DF15008.2063013	Moore	23	SR 2007	AT INTERSECTION OF SR 1947	1	2WU	NO	NO	0.03	22	8.50	0.06	125	21	21	2
									0.03		8.50	0.06	125	21	2	
									0.03		8.50	0.06	125	21	2	
									0.03		8.50	0.06	125	21	2	
TOTAL FOR PROJ NO. DF15008.2063013																
DF15008.2063015	Moore	24	SR 2023	1 MILE WEST OF NC 690	1	2WU	NO	NO	0.024	20	7.00	0.05	115	15	15	2
									0.024		7.00	0.05	115	15	2	
									0.024		7.00	0.05	115	15	2	
									0.024		7.00	0.05	115	15	2	
TOTAL FOR PROJ NO. DF15008.2063015																
DF15008.2063018	Moore	25	SR 1209	NEAR ROY LANE	1	2WU	NO	NO	0.019	26	5.50	0.04	145	24	24	2
									0.019		5.50	0.04	145	24	2	
									0.019		5.50	0.04	145	24	2	
									0.019		5.50	0.04	145	24	2	
TOTAL FOR PROJ NO. DF15008.2063018																
DF15008.2063800	Moore	26	SR 1412	BETWEEN SR 1413 AND SR 1411	1	2WU	NO	NO	0.041	22	12.00	0.08	125	44	44	3
									0.041		12.00	0.08	125	44	3	
									0.041		12.00	0.08	125	44	3	
									0.041		12.00	0.08	125	44	3	
TOTAL FOR PROJ NO. DF15008.2063800																
DF15008.2063801	Moore	27	SR 1660	2.1 MILES EAST OF SR 1651	1	2WU	NO	NO	0.029	20	8.50	0.06	115	29	29	2
									0.029		8.50	0.06	115	29	2	
									0.029		8.50	0.06	115	29	2	
									0.029		8.50	0.06	115	29	2	
TOTAL FOR PROJ NO. DF15008.2063801																
DF15008.2077011	Richmond	28	SR 1424	SR 1445 AND SR 1441	1	2WU	NO	NO	0.03	24	8.50	0.06	135	35	35	2
									0.03		8.50	0.06	135	35	2	
									0.03		8.50	0.06	135	35	2	
									0.03		8.50	0.06	135	35	2	
TOTAL FOR PROJ NO. DF15008.2077011																
DF15008.2077800	Richmond	29	SR 1650	BETWEEN US 74 BUSINESS AND SR 1903	1	2WU	NO	NO	0.062	22	18.00	0.12	125	66	66	4
									0.062		18.00	0.12	125	66	4	
									0.062		18.00	0.12	125	66	4	
									0.062		18.00	0.12	125	66	4	
TOTAL FOR PROJ NO. DF15008.2077800																
8.106311	Moore	30	NC 705	AT EMMA LANE NEAR ROBBINS	1	2WU	NO	NO	0.016	26	5.00	0.03	145	20	20	1
									0.016		5.00	0.03	145	20	1	

PROJECT NO.	15008.1047800, 15008.1047802, 15008.1047803, ETC.	SHEET NO.	15	TOTAL NO.	
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THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO.	COUNTY	MAP ROUTE	DESCRIPTION	TYP LANES	LANE TYPE	LENGTH	WIDTH	441300000-E WORK ZONE ADVANCE/GENERAL WARNING SIGNING SF	445700000-N TEMPORARY TRAFFIC CONTROL LS	481000000-E 4" WHITE PAINT	480000000-N 4" YELLOW PAINT	480000000-N YELLOW & MARKERS EA	
15008.1047800	Hoke	1 SR 1418	BETWEEN SR 1417 AND SR 1415	NO	2WU	0.021	20	2		LF	LF	2	
TOTAL FOR MAP NO. 1													
TOTAL FOR PROJ NO. 15008.1047800													
15008.1047802	Hoke	2 SR 1422	BETWEEN SR 1426 AND SR 1461	1	2WU	0.015	24	2		320	320	2	
TOTAL FOR MAP NO. 2													
TOTAL FOR PROJ NO. 15008.1047802													
15008.1047803	Hoke	3 SR 1149	0.1 MILES EAST OF US 401	2	2WU	0.025	28	2		528	528	4	
TOTAL FOR MAP NO. 3													
TOTAL FOR PROJ NO. 15008.1047803													
15008.1047804	Hoke	4 SR 1420	AT CUMBERLAND COUNTY LINE	1	2WU	0.024	28	2		516	516	4	
TOTAL FOR MAP NO. 4													
TOTAL FOR PROJ NO. 15008.1047804													
15008.1047805	Hoke	5 SR 1406	BETWEEN SR 1412 AND SR 1410	1	2WU	0.031	26	2		656	656	4	
TOTAL FOR MAP NO. 5													
TOTAL FOR PROJ NO. 15008.1047805													
158.13.52	Moore	6 NC 690	MOORE / CUMBERLAND COUNTY LINE	1	2WU	0.024	24	3		454	454	4	
TOTAL FOR MAP NO. 6													
158.13.52	Moore	7 NC 690	BETWEEN SR 2017 AND SR 2018	1	2WU	0.027	26	2		382	382	4	
TOTAL FOR MAP NO. 7													
TOTAL FOR PROJ NO. 158.13.52													
158.22.30	Hoke	8 SR 1409	BETWEEN US 401 AND SR 1411	1	2WU	0.041	20	4		530	530	7	
TOTAL FOR MAP NO. 8													
158.22.30	Hoke	9 SR 1409	BETWEEN SR 1412 AND SR 1413	2	2WU	0.017	20	4		360	360	3	
TOTAL FOR MAP NO. 9													
158.22.30	Hoke	10 SR 1415	0.7 MILES NORTH OF SR 1418	1	2WU	0.041	20	3		864	864	8	
TOTAL FOR MAP NO. 10													
158.22.30	Hoke	11 SR 1413	LOCATED ON SR 1413	1	2WU	0.023	20	2		484	484	3	
TOTAL FOR MAP NO. 11													
TOTAL FOR PROJ NO. 158.22.30													
DF15008.2047011	Hoke	12 SR 1206	BETWEEN SR 1207 AND SR 1203	2	2WU	0.023	18	2		484	484	4	
TOTAL FOR MAP NO. 12													
TOTAL FOR PROJ NO. DF15008.2047011													
DF15008.2047014	Hoke	13 SR 1535	DEAD END ROAD IN BLACK BRANCH SUBDIVISION	1	2WU	0.021	20	2		444	444	2	
TOTAL FOR MAP NO. 13													
TOTAL FOR PROJ NO. DF15008.2047014													
DF15008.2047015	Hoke	14 SR 1105	0.4 MILES NORTH OF SR 1448	2	2WU	0.023	22	2		484	484	4	
TOTAL FOR MAP NO. 14													
TOTAL FOR PROJ NO. DF15008.2047015													
DF15008.2047802	Hoke	15 SR 1432	BETWEEN BRIDGE 41 AND 42	1	2WU	0.023	24	2		484	484	2	
TOTAL FOR MAP NO. 15													
DF15008.2047802	Hoke	16 SR 1432	BETWEEN SR 1427 AND SR 1428	1	2WU	0.15	24	2		320	320	2	
TOTAL FOR MAP NO. 16													
TOTAL FOR PROJ NO. DF15008.2047802													
DF15008.2053011	Lee	17 SR 1527	MT. PISGAH CH RD AND COX MILL RD	1	2WU	0.023	22	2		484	484	4	
TOTAL FOR MAP NO. 17													
TOTAL FOR PROJ NO. DF15008.2053011													
DF15008.2053012	Lee	18 SR 1007	LOCATED ON SR 1007	1	2WU	0.003	20	2		272	272	2	
TOTAL FOR MAP NO. 18													
TOTAL FOR PROJ NO. DF15008.2053012													
DF15008.2053013	Lee	19 SR 1303	400 FEET WEST OF SR 1302	1	2WU	0.034	22	2		725	725	4	
TOTAL FOR MAP NO. 19													
TOTAL FOR PROJ NO. DF15008.2053013													
DF15008.2053800	Lee	20 SR 1547	BETWEEN NC 42 AND DARYMPLE FARM RD	1	2WU	0.02	19	2		424	424	2	
TOTAL FOR MAP NO. 20													
TOTAL FOR PROJ NO. DF15008.2053800													
DF15008.2063011	Moore	21 SR 1217	0.25 MILES WEST OF SR 1209	1	2WU	0.021	24	2		444	444	3	
TOTAL FOR MAP NO. 21													
TOTAL FOR PROJ NO. DF15008.2063011													
DF15008.2063012	Moore	22 SR 1831	0.1 MILE EAST OF SR 1838	1	2WU	0.019	18	2		394	394	3	
TOTAL FOR MAP NO. 22													
TOTAL FOR PROJ NO. DF15008.2063012													
DF15008.2063013	Moore	23 SR 2007	AT INTERSECTION OF SR 1947	1	2WU	0.03	22	2		632	632	3	
TOTAL FOR MAP NO. 23													
TOTAL FOR PROJ NO. DF15008.2063013													
DF15008.2063015	Moore	24 SR 2023	1 MILE WEST OF NC 690	1	2WU	0.024	20	2		508	508	3	
TOTAL FOR MAP NO. 24													
TOTAL FOR PROJ NO. DF15008.2063015													
DF15008.2063018	Moore	25 SR 1209	NEAR ROY LANE	1	2WU	0.019	26	2		400	400	2	
TOTAL FOR MAP NO. 25													
TOTAL FOR PROJ NO. DF15008.2063018													
DF15008.2063800	Moore	26 SR 1412	BETWEEN SR 1413 AND SR 1411	1	2WU	0.041	22	3		860	860	5	
TOTAL FOR MAP NO. 26													
TOTAL FOR PROJ NO. DF15008.2063800													
DF15008.2063801	Moore	27 SR 1660	2.1 MILES EAST OF SR 1651	1	2WU	0.029	20	3		616	616	3	
TOTAL FOR MAP NO. 27													
TOTAL FOR PROJ NO. DF15008.2063801													
DF15008.2077011	Richmond	28 SR 1424	SR 1445 AND SR 1441	1	2WU	0.03	24	3		632	632	4	
TOTAL FOR MAP NO. 28													
TOTAL FOR PROJ NO. DF15008.2077011													
DF15008.2077800	Richmond	29 SR 1650	BETWEEN US 74 BUSINESS AND SR 1303	1	2WU	0.062	22	6		1,308	1,308	7	
TOTAL FOR MAP NO. 29													
TOTAL FOR PROJ NO. DF15008.2077800													
8.106311	Moore	30 NC 705	AT EMMA LANE NEAR ROBBINS	1	2WU	0.016	26	2		344	344	2	
TOTAL FOR MAP NO. 30													
8.106311	Moore	31 NC 705	0.76 MILES NW OF INTERSECTION WITH SR 1422	1	2WU	0.012	24	2		252	252	2	
TOTAL FOR MAP NO. 31													
TOTAL FOR PROJ NO. 8.106311													
8.206311	Moore	32 SR 1210	NORTH OF NC 73	1	2WU	0.013	24	2		272	272	2	
TOTAL FOR MAP NO. 32													
TOTAL FOR PROJ NO. 8.206311													
GRAND TOTAL													
											16,099	16,099	110
											32,198		

SIGNING FOR RESURFACING PROJECTS



MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	MAINLINE (-L-) SIGNING		-Y- LINE SIGNING		
	1	 W20-1 48" X 48"	PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.	NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:	
	2	 W7-3aP 24" X 18"	#2 SIGN ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)	1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE 2) SUBDIVISION ROADS 3) DEAD END ROADS	
	3	 SP 13107 48" X 48"	- PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER. - AT TEE INTERSECTIONS INSTALL INITIALLY 0.5 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.	WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, ADVANCE WARNING PORTABLE SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.	
	4	 SP 13106 48" X 48"	- THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS. - DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS. - INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE. - FOR MULTIPLE -Y- LINES THAT ARE SEPARATED BY 0.25 MILES OR LESS, TREAT AS A SINGLE UNIT AND INSTALL WITHIN 500' OF EACH APPROACH. - A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN. - FOR TEE INTERSECTIONS, INSTALL WITHIN 500' +/- OF THE INTERSECTION ALONG -L- LINE.	 W20-1 48" X 48"	 W20-7 A 48" X 48"
5	 G20-2 A 48" X 24"	PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.	PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.		

**RESURFACING
ADVANCE WARNING SIGNS
FOR
RURAL AND SUBURBAN
2 LANE ROADWAYS**