

## 5 Maintenance and Resurfacing

### 5.1 Existing Conditions

Maintenance is an essential part of any transportation network. Proper maintenance keeps a system functioning properly and safely. Improper or deferred maintenance can create hazards, as well as requiring a much larger expense for rebuilding of facilities at a later date. Regular maintenance activities include repaving and resurfacing, chip seal, slope and shoulder maintenance, pavement marking, mowing, drainage system improvements, maintenance of rest areas and other roadside facilities, and related activities.

As the road network grows, so does the maintenance burden for those responsible for the facilities. More than 60% of the ACOG's rural roads are SCDOT maintained. However, since most of these roads serve as local roads they are ineligible for federal aid dollars. Roads classified as a collector, with annualized average daily traffic (AADT) volume of 1,000 or greater are eligible for federal aid dollars. The remaining roads must be maintained with state or local funds. As funding for road maintenance has decreased many roads have not been maintained properly. To this end, counties in the region have begun to allocate funding for road maintenance.

The condition of the state maintained route system is assessed by the SCDOT Pavement management office. One third of the system is assessed annually to determine the surface conditions of the driving lanes. The condition of the pavement is expressed in terms of the Pavement Quality Index (PQI) and is based on pavement surface distress and roughness. The condition categories range from Very poor to Very Good. The PQI scale ranges from 0 to 5, with Poor ranging from 0 to 2.6 and Good ranging from 3.4 to 5. This information is used to prioritize maintenance projects.

Primary roads, US or SC routes, have a higher percentage of facilities that are ranked in the lowest categories of pavement quality, possibly due to heavy use. **Table 13** lists all federal aid eligible primary roads in the ACOG region with PQI scores of less than 2.6. The road segments are categorized by milepost, the system used by the SCDOT. Note that some roads may be within MPO jurisdictions.

**Table 13. ACOG Roads with PQI Less than 2.6, Federal Aid Eligible**

COUNTY	ROUTE	BMP	EMP	LENGTH	PQI	AADT
Anderson	US-29	0.3	0.8	0.5	2.00	1,150
Anderson	US-29	0.8	4.9	4.1	2.00	1,150
Anderson	US-76	9.8	10.3	0.5	2.10	9,240
Anderson	US-76	10.3	12.5	2.2	2.20	10,645
Anderson	US-76	14.81	15.4	0.59	1.90	6,900
Anderson	SC-20	11.7	18.2	6.5	2.20	3,732
Anderson	SC-28	0	0.12	0.12	2.00	2,000
Anderson	SC-81	0	16.72	16.72	2.20	3,122
Anderson	SC-252	12.62	13.2	0.58	2.30	1,200
Cherokee	US-29	0	11.5	11.5	2.10	3,076
Cherokee	US-29	11.5	14.4	2.9	1.90	3,943
Cherokee	US-29	14.4	14.65	0.25	1.70	3,300
Cherokee	US-29	23.9	24.42	0.52	1.70	1,689
Cherokee	SC-5	2.3	4.71	2.41	2.40	26,000
Cherokee	SC-105	0	0.35	0.35	2.00	26,000
Cherokee	SC-150	2.9	9.7	6.8	2.50	1,008
Cherokee	SC-150	11.12	11.77	0.65	2.50	3,450
Cherokee	SC-150	12.2	13.3	1.1	2.40	2,614
Cherokee	SC-198	0	3.92	3.92	2.60	1,246
Greenville	US-25	33	34	1	2.60	6,750
Greenville	US-29	5.1	15.6	10.5	2.20	15,316
Greenville	US-29	13.21	16.56	3.35	2.60	26,000
Greenville	US-29	16.76	17.6	0.84	2.50	26,000
Greenville	US-276	11.9	26.14	14.24	2.30	1,897
Greenville	US-276	34.57	34.79	0.22	2.50	26,000
Greenville	SC-81	4	4.64	0.64	2.50	4,550
Greenville	SC-183	6.9	7.31	0.41	1.10	6,900
Greenville	SC-253	2.4	3	0.6	2.10	4,500
Greenville	SC-253	3	3.8	0.8	2.30	4,500
Greenville	SC-417	0	2.53	2.53	2.40	6,957
Oconee	SC-24	0	1.4	1.4	2.20	2,450
Oconee	SC-24	1.4	3.1	1.7	2.20	1,948
Oconee	SC-59	13.9	14.21	0.31	2.30	3,884
Oconee	SC-93	0.5	0.86	0.36	2.20	4,350
Oconee	SC-183	13.1	13.8	0.7	2.30	1,350
Oconee	SC-183	13.8	15.9	2.1	2.50	1,317
Oconee	SC-183	17.8	18.16	0.36	1.80	1,300
Oconee	SC-183	20.8	20.97	0.17	2.40	1,600
Pickens	US-76	1.28	1.4	0.12	2.50	26,000
Pickens	SC-8	0	0.19	0.19	2.30	26,000

Spartanburg	US-29	16.6	18.1	1.5	2.10	10,084
Spartanburg	US-29	18.1	20.5	2.4	2.10	12,405
Spartanburg	US-29	0	0.2	0.2	2.00	6,400
Spartanburg	US-29	0.2	0.4	0.2	1.50	6,400
Spartanburg	US-176	16.68	18.76	2.08	2.50	9,398
Spartanburg	US-176	20.3	20.7	0.4	1.80	8,150
Spartanburg	US-176	20.7	21.77	1.07	1.50	8,279
Spartanburg	US-176	24.24	25.12	0.88	2.30	26,000
Spartanburg	SC-56	8.3	22.9	14.6	2.50	1,061
Spartanburg	SC-101	10	11.5	1.5	2.20	1,300
Spartanburg	SC-110	2.7	4.03	1.33	2.60	2,550