

State of Iowa

1955

RURAL PRIMARY ROAD

SUFFICIENCY RATING

STUDY

Iowa State Highway Commission
Safety and Traffic Department
Highway Planning Survey
In
Cooperation With
The
Bureau of Public Roads

TABLE OF CONTENTS

- I Introduction.
- II Procedures Used in the Iowa Sufficiency Rating Study.
- III Sufficiency Rating Map of the Iowa Primary Road System.
- IV Control Section Log of Sufficiency Rating on the Iowa Primary Road System.
- V Summary of Mileages in Various Sufficiency Rating Groups on the Iowa Primary Road System.
- VI Appendix.

INTRODUCTION

Sufficiency rating procedures have been developed so as to provide a means of evaluating the tangible items which effect the adequacy of each section of a highway.

No system that can be reduced to a formula can replace personal knowledge and the judgment based on this knowledge in the development of a highway improvement program. There are many intangible items that must be taken into consideration by highway administrators whenever a highway improvement project is considered. The development of a sufficiency rating is an attempt to evaluate numerically the tangible features of the existing roads and thereby increase the personal knowledge of the highway administrator. The majority of citizens, and rightly so, think that the most important road in the state is the one they use every day. A sufficiency rating is a guide for the administrator, in order that he may consider each road in its proper perspective with all other roads in the state. The highway sections are compared with a standard rather than with one another.

During the summer and fall of 1954, each section of the rural Primary Road System was rated as to sufficiency. All roads under construction as of January 1, 1955 were given a sufficiency rating of 90 based upon the assumption that the finished product of any new construction would be a modern highway thereby entitled to the high rating. This flat rating of 90 for all roads under construction as of the close of any year does not allow for partial improvements or stage construction.

During the late fall of 1955, all roads upon which the sufficiency rating had changed during the year, due to construction, were rerated for inclusion in the current report. In this instance, the roads under construction as of January 1, 1956 were not rated on the map or in the sufficiency rating log. The mileage of these roads are, however, included in the tables in Part V of this report. The ratings shown for these roads are the ratings which had been assigned to the roads prior to the beginning of reconstruction.

PART II

PROCEDURES USED IN THE IOWA SUFFICIENCY RATING STUDY.

The method used by Iowa to develop a numerical rating based upon the tangible factors of the existing roads, is similar to the methods used by other states. The Iowa method was modeled after the ratings developed by the Arizona Highway Department with special emphasis on surface width.

This method of numerical rating is based upon the adequacy of a section of road as determined by the evaluation of the several factors entering into and effecting the life of the road and the amount and kind of service expected from it. For convenience, the number 100 was used for the maximum sufficiency. The three main qualities to be provided by a road are Structural Adequacy, Safety and Service, and each is as important as the other. The 100 points allowed for the maximum sufficiency was, therefore, divided into approximate thirds, 30 points for Structural Adequacy, 35 points for Safety and 35 points for Service. Each of these three main classifications were then divided into sub-classifications with point values assigned to each.

Table No. 1 shows the par values assigned to the sub-classifications within each of the three main classifications.

Table No. 1

Point Values Assigned to the Several
Sub-Classifications in the Iowa Sufficiency Rating Study.

Classification of Adequacy	Par Value
Structural Adequacy	
Wearing Surface	8
Base and Subbase	8
Road bed	5
Drainage	4
Maintenance Economy	5
Total Structural Adequacy	30
Safety	
Surface Width	10
Shoulder Width	6
Sight Distance (800 ft.)	10
Hazards	9
Total Safety	35
Service	
Alignment	12
Passing Sight Distance	8
Surface Width	8
Surface Driving Condition	7
Total Service	35
Total Rating	100

Structural Adequacy

Since a historical knowledge of each road section was required to properly evaluate it in regard to its structural adequacy, each district engineer made the point evaluations for the road sections in his district. The wearing surface was analyzed by considering all the physical defects of the road section such as cracking, raveling and scaling. The thickness and stability of all the material above the road bed and immediately below the wearing surface was considered in rating the base and subbase. In evaluating the road bed, consideration was given by the district engineer

to the height, stability and drainage properties of the sub-grade. All factors effecting the removal of surface water, such as side ditches and culverts were considered in rating the drainage properties of a road section. The district engineer's historical knowledge of the road section was the basis for evaluating the maintenance economy. Table No. 2 shows the point values assigned to the ratings for each of the sub-classifications considered in Structural Adequacy.

Table No. 2

Point Values Assigned to the Ratings for Each of the Sub-Classifications Considered in Structural Adequacy.

Ratings	Point Values Assigned for -				
	Wearing Surface	Base and Subbase	Road Bed	Drainage	Maintenance Economy
Excellent	8	8	5	4	
Good	7	7	4	3	
	6	6			
Fair	5	5	3	2	
	4	4	2		
	3	3			
Poor	2	2	1	1	
	1	1	0	0	
	0	0			
Below Average Cost					5
					4
Average Cost					3
Above Average Cost					2
					1
					0

Safety and Service

Field checks were made over each control section in order to determine the physical properties needed to evaluate the Safety and Service Sufficiency Classifications. Exhibit A in the appendix of this report depicts the data collected in the field checks. From these data, the various physical features of the road section were evaluated.

Prior to assigning point values for the surface width, shoulder width and passing sight distance classifications, the following standards were established:

Interstate System -

- Surface - 4 lane divided for traffic over 7000 vehicles per day.
- 4 lanes for traffic of 5000 - 7000 vehicles per day.
- 24 ft. Paved Surface for all others.
- Shoulders - 10 ft. Shoulders,
- Passing Sight Distance - 2000 ft. for 60 MPH Design Speed.

Primary System -

- Surface - 4 lane divided for traffic over 7000 vehicles per day.
- 4 lanes for traffic of 5000 - 7000 vehicles per day.
- 24 ft. for traffic of 2000 - 5000 vehicles per day.
- 22 ft. for traffic of 750 -2000 vehicles per day.
- 20 ft. for traffic under 750 vehicles per day.
- All gravel roads were assumed to have an adequate surface width.
- Shoulders - 10 ft. shoulders and 4 ft. median for traffic over 7000 vehicles per day.
- 10 ft. shoulders for traffic of 2000 - 7000 vehicles per day.
- 8 ft. shoulders for traffic of 750 -2000 vehicles per day.
- 6 ft. shoulders for traffic under 750 vehicles per day.
- Passing Sight Distance - Paved Surfaces.
 - Flat or Rolling Topography - 2000 ft. for 60 MPH Design Speed.
 - Hilly Topography - 1700 ft. for 50 MPH Design Speed.
- Passing Sight Distance - Gravel Surfaces
 - Flat or Rolling Topography - 1700 ft. for 50 MPH Design Speed.
 - Hilly Topography - 1300 ft. for 40 MPH Design Speed.

By knowing the desired standards and the existing physical properties of each road section, it was possible to assign point values to the various sub-classifications in the general categories of Safety and Service. Any deficiency in the surface width and in the shoulder width reduced the point values assigned to these sub-classifications accordingly. The number of sight restrictions per mile and the number of hazards, such as narrow bridges and sharp curves, per mile were computed and point values were assigned according to a graduated scale.

All curves which required safe speeds less than the standard design speed were considered in evaluating the alignment sub-classification.

The greater the safe speed of the curve deviated from the design speed of the roadway the greater the reduction in points for this item.

A ratio of the total length of passing sight distance restrictions to the total length of the road section was computed to determine the point value assigned for this item.

The surface driving condition was rated as being excellent, good, fair or poor and points were assigned for this item accordingly.

The sum of the point values assigned each subclassification produced the basic sufficiency rating for each control section of roadway. This basic sufficiency rating on gravel roads was reduced according to the traffic volume. Table No. 3 shows the reduction applied to the basic rating for gravel roads according to the traffic volume.

Table No. 3

Reduction of basic sufficiency rating for gravel roads according to average daily traffic volume.

Traffic Volume Vehicles per Day	Points to be deducted from Basic Sufficiency Rating for Gravel Roads
100 and less	0
101 - 150	2
151 - 200	4
201 - 250	6
251 - 300	8
301 - 350	10
351 - 400	12
401 - 450	14
451 - 500	16
501 - 550	18
551 and over	20

A further adjustment of the basic sufficiency rating was made for all roads in order to recognize the volume of traffic on each control section. A system of curves were developed which decreases the rating on high traffic volume roads and increases the rating on low traffic volume roads. Exhibit B in the appendix of this report shows the curves used to adjust the basic sufficiency rating according to the traffic volume.

PART III
SUFFICIENCY RATING MAP
OF THE IOWA PRIMARY
ROAD SYSTEM.

PART IV

CONTROL SECTION LOG
OF SUFFICIENCY RATING ON
THE ICMA PRIMARY ROAD SYSTEM.

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	surface width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel surface	1953 Traffic	Adjusted Sufficiency Rating
					structural Adequacy	Safety	Service	Total Basic			
Van Buren County											
1	Jct. Ia 2 to SCL of Keosauqua	3.97	Paved	18	18	26	20	64	64	721	69
1	NCL of Keosauqua to S Jct Ia 16	5.12	Paved	20	20	30	27	77	77	1058	78
1	S Jct Ia 16 to N Jct Ia 16	2.38	Paved	20	20	30	27	77	77	765	79
1	N Jct Ia 16 to SCL of Birmingham	2.37	Paved	20	20	31	28	79	79	750	81
1	NCL of Birmingham to Jefferson Co Line	1.01	Paved	20	20	32	30	82	82	1090	83
Jefferson County											
1	Van Buren Co Line to SCL of Fairfield	6.82	Paved	18	20	25	16	61	61	1130	63
1	NCL of Fairfield to Jct Ia 356	8.01	Paved	18	20	26	22	68	68	1670	67
1	Jct Ia 356 to End of Conc section	.79	Paved	18	20	21	20	61	61	1510	60
1	End of Conc Sec to Keokuk Co Line	1.26	Bit. S.T.	24	15	25	29	69	69	1445	68
Keokuk County											
1	Jefferson Co Line to Jct Ia 78	1.10	Bit. Pen.	24	15	31	25	71	71	1445	70
1	Jct Ia 78 to Washington Co Line	.86	Bit. Pen.	24	15	33	27	75	75	1330	75
Washington County											
1	Keokuk Co Line to WCL Brighton	5.99	Bit. S.T.	24	15	29	28	72	72	1396	72
1	NCL Brighton to W Jct Ia 92	10.24	Paved	22	29	28	28	85	85	2060	83
1	NCL Washington to End Conc Sec	.23	Paved	18	22	35	32	83	83	810	91
1	End Conc Sec to NW Cor Sec 18 76 7W	6.66	Gravel	32	15	29	22	66	46	810	50
1	NW Cor Sec 18 76 7W to Sec 7 76 7W	.59	Gravel	47	Under Construction					810	
1	Sec 7 76 7W to SCL Kalona	5.14	Gravel	47	Under Construction					760	
1	NCL Kalona to Johnson Co Line	1.28	Paved	22	29	32	29	90	90	1050	91

Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Johnson County											
1	Washington Co Line to WCL of Ia City	14.72	Paved	22	26	33	28	87	87	1133	87
1	ECL of Ia City to Cedar Co Line	7.75	Bit. Pen.	24	12	25	13	50	50	720	55
Cedar County											
1	Johnson Co Line to WCL West Branch	.72	Bit. Pen.	22	12	19	27	58	58	760	62
1	ECL West Branch to Begin 36 Ft Sec	5.88	Paved	24	25	33	28	87	87	526	89
1	Begin 36 Ft Sec to End 36 Ft Sec	.37	Paved	36	26	29	29	84	84	526	87
1	End 36 Ft Sec to Jct Ia 38	6.44	Paved	24	26	30	28	84	84	526	87
		97.68*									
Fremont County											
2	Missouri R Bridge to Jct Ia 239	8.62	Paved	18	19	26	24	69	69	780	72
2	Jct Ia 239 to S Jct US 275	2.45	Paved	18	19	23	18	60	60	760	64
2	S Jct US 275 to SCL Sidney	3.43	Paved	18	22	15	14	51	51	2246	48
2	ECL of Sidney to Begin 22 Ft Sec	1.08	Paved	18	22	27	23	72	72	1475	71
2	Begin 22 Ft Sec to End 22 Ft Sec	1.54	Paved	22	24	35	34	93	93	1475	93
2	End 22 Ft Sec to Jct Ia 174	6.45	Paved	18	22	25	17	64	64	1360	64
2	Jct Ia 174 to Page Co Line	5.20	Paved	18	22	22	19	63	63	1675	62
Page County											
2	N Jct US 59 to S Jct US 59	.60	Bit. S.T.	24	19	22	30	71	71	2025	69
2	SCL Shenandoah to Beg 24 Ft Sec.	.05	Paved	18	25	29	25	79	79	1875	78
2	Beg 24 Ft Sec to Beg 18 Ft Sec.	0.87	Paved	24	30	35	32	97	97	2000	97
2	Beg 18 Ft Sec to Jct Ia 208	6.57	Paved	18	25	21	17	63	63	1875	62
2	Jct Ia 208 to WCL Clarinda	9.52	Paved	18	25	20	21	66	66	1845	65
2	ECL Clarinda to Begin Asph Conc Sec	.84	Paved	22	29	32	31	92	92	3390	90
2	Begin Asph Con Sec to E Jct US 71	.37	Paved	18	29	26	20	65	65	3390	60
2	E Jct US 71 to Taylor Co Line	5.60	Paved	18	25	21	17	65	63	1993	61

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Taylor County											
2	Page Co Line to WCL of Bedford	11.85	Paved	18	21	22	17	60	60	1248	61
2	ECL of Bedford to Ringgold Co Line	12.88	Paved	18	21	21	19	61	61	1080	63
Ringgold County											
2	Taylor Co Line										
2	S Jct Ia 25 to Begin 20 Ft Sec	1.07	Paved	18	24	29	22	75	75	1100	76
2	Begin 20 Ft Sec to N Jct Ia 25	1.10	Paved	20	24	30	25	79	79	1100	81
2	N Jct Ia 25 to WCL of Benton	5.81	Paved	20	28	25	26	79	79	1250	80
2	ECL of Benton to Jct Ia 66	1.52	Paved	20	28	22	26	76	76	1310	76
2	Jct Ia 66 to W Jct US 169	3.33	Paved	20	28	28	23	79	79	1400	79
2	W Jct US 169 to WCL Mt Ayr	1.13	Paved	20	28	28	26	82	82	1750	81
2	ECL Mt Ayr to E Jct US 169	.55	Paved	20	28	28	25	81	81	930	83
2	Jct US 169 Alt to WCL of Kellerton	8.99	Paved	20	25	29	25	79	79	1225	80
2	NCL of Kellerton to Decatur Co Line	1.81	Paved	20	25	29	23	77	77	1190	77
Decatur County											
2	Ringgold Co Line to Jct Ia 294	3.07	Paved	20	30	24	25	79	79	1190	80
2	Jct Ia 294 to WCL of Decatur City	6.77	Paved	20	30	26	25	81	81	1390	81
2	WCL of Decatur City to W Jct of US 69	3.81	Paved	20	30	29	25	84	84	1710	83
2	W Jct US 69 to Begin 24 Ft Sec	.20	Paved	18	22	23	20	65	65	4110	58
2	Begin 24 Ft Sec to WCL Leon	.10	Paved	24	30	32	34	96	96	4110	95
2	ECL of Leon to Jct Ia 204	7.89	Paved	20	21	23	24	68	68	1456	67
2	Jct Ia 204 to Wayne Co Line	1.98	Paved	20	21	27	26	74	74	1225	75
Wayne County											
2	Decatur Co Line to N Jct US 65	3.07	Paved	18	17	21	16	54	54	1225	55
2	S Jct US 65 to N Jct US 65	.29	Paved	18	18	22	17	57	57	1450	57
2	S Jct US 65 to Jct Ia 40	7.19	Paved	18	18	22	15	55	55	1375	55

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Wayne County (Cont'd)											
2	Jct Ia 40 to WCL of Corydon	2.00	Paved	18	18	19	19	56	56	1890	54
2	ECL of Corydon to WCL of Promise City	8.33	Paved	18	18	21	19	58	58	1620	57
2	ECL of Promise City to Jct Ia 55	.96	Paved	18	18	21	19	58	58	1365	58
2	Jct Ia 55 to Appanoose Co Line	1.54	Paved	18	18	26	21	65	65	1210	66
Appanoose County											
2	Wayne Co Line to Jct Ia 138	9.23	Paved	18	18	22	18	58	58	1380	58
2	Jct Ia 138 to WCL of Centerville	1.79	Paved	18	18	22	10	50	50	1244	51
2	ECL of Centerville to Jct Ia 369	8.73	Paved	18	18	23	21	62	62	1712	61
2	Jct Ia 369 to Jct Ia 142	1.38	Paved	18	18	26	19	63	63	1660	62
2	Jct Ia 142 to Davis Co Line	2.01	Paved	18	18	22	18	58	58	1520	57
Davis County											
2	Appanoose Co Line to W Jct US 63	7.41	Paved	18	19	24	20	63	63	1555	62
2	W Jct US 63 to WCL Bloomfield	4.63	Paved	18	19	21	14	54	54	2120	51
2	ECL of Bloomfield to WCL of Pulaski	9.13	Paved	18	20	26	16	62	62	1219	63
2	ECL of Pulaski to Van Buren Co Line	5.04	Paved	18	20	28	22	70	70	1100	71
Van Buren County											
2	ECL of Milton to WCL of Cantril	4.27	Paved	18	17	27	16	60	60	996	63
2	NCL of Cantril to Jct Ia 1	7.35	Paved	18	17	18	15	50	50	817	54
2	Jct Ia 1 to Jct Ia 79	7.44	Paved	18	16	25	21	62	62	797	66
2	Jct Ia 79 to Jct Ia 114	4.60	Paved	18	16	25	21	62	62	1050	64
2	Jct Ia 114 to Begin 20 Ft Section	.17	Paved	18	18	29	26	73	73	1420	72
2	Begin 20 Ft Sec to Begin 26 Ft Sec	.02	Paved	20	29	32	29	90	90	1420	90
2	Begin 26 Ft Sec to WCL of Farmington	.15	Paved	26	29	35	32	96	96	1320	96
2	SCL of Farmington to Lee Co Line	.97	Paved	18	16	21	21	58	58	1280	59

Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Lee County											
2	Van Buren Co Line to WCL of Donnellson	8.59	Paved	18	16	24	19	59	59	1273	60
2	ECL of Donnellson to Urban Area Line	8.44	Paved	18	21	25	24	70	70	1222	71
2	Urban Area Line to W Jct US 61	.91	Paved	18	21	23	26	70	70	1222	71
2	W Jct US 61 to WCL Ft Madison	1.20	Paved	20	22	28	25	75	75	2950	71
		243.59*									
Plymouth County											
3	S Dakota St Line to S Jct Ia 12	1.51	Gravel	32	20	28	29	77	61	233	80
3	S Jct Ia 12 to SCL of Akron	4.68	Mix. Bit.	24	24	29	30	83	83	646	86
3	SCL of Akron to N Jct Ia 29	10.02	Bit. S.T.	22	28	26	25	79	79	498	84
3	N Jct Ia 29 to S Jct Ia 29	1.03	Mix. Bit.	22	22	26	26	74	74	368	81
3	S Jct Ia 29 to WCL of LeMars	9.21	Paved	22	30	32	31	93	93	365	95
3	ECL of LeMars to WCL of Remsen	9.02	Paved	18	Under Construction					1839	
3	ECL of Remsen to Jct Iowa 140	.50	Paved	13	Under Construction					1735	
3	Jct Iowa 140 to Cherokee Co Line	5.02	Paved	18	Under Construction					1501	
Cherokee County											
3	Plymouth Co Line to Int Ia 143	2.99	Paved	20	30	29	26	85	85	1458	84
3	Int Ia 143 to N Jct US 59	13.60	Paved	20	30	30	26	86	86	1477	85
3	N Jct US 59 to NCL Cherokee	.49	Paved	20	30	24	22	76	76	2782	73
3	ECL of Cherokee to E Jct Ia 5	4.52	Paved	20	30	25	25	80	80	1798	79
3	E Jct Ia 5 to Buena Vista Co Line	3.43	Gravel	30	29	35	30	94	82	400	87
Buena Vista County											
3	Cherokee Co Line to Int US 71	12.06	Gravel	34	24	31	30	85	77	281	85
3	Int US 71 to Jct Ia 197	10.06	Paved	22	30	34	33	97	97	422	98
3	Jct Ia 197 to Pocahontas Co Line	2.00	Gravel	38	Under Construction					196	

Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Pocahontas County											
3		12.54	Gravel	38	Under Construction					275	
3	ECL of Pocahontas to Jct Ia 44	6.38	Paved	20	30	30	28	88	88	1697	87
3	Jct Ia 44 to WCL of Gilmore City	4.81	Paved	20	30	30	28	88	88	1614	87
Humboldt County											
3	ECL of Gilmore City to WCL of Humboldt	10.74	Paved	20	30	32	29	91	91	1506	91
3	ECL of Dakota City to NW Cor Sec 5 91 28W	.43	Paved	20	18	28	18	64	64	1125	66
3	NW Cor Sec 5 91 28W to Jct Ia 302	7.00	Paved	20	29	31	28	88	88	1425	88
3	Jct Ia 302 to West Jct Ia 60	4.04	Paved	20	29	31	29	89	89	1401	89
Wright County											
3	West Jct Ia 60 to WCL of Goldfield	2.01	Paved	20	30	27	25	82	82	1811	81
3	ECL of Goldfield to WCL of Clarion	7.87	Paved	18	28	28	24	80	80	1754	79
3	ECL Clarion to West Jct Us 69	4.12	Paved	18	28	22	21	71	71	2256	68
3	West Jct US 69 to East Jct US 69	1.62	Paved	18	Under Construction					3035	
3	East Jct US 69 to Jct Ia 353	3.37	Paved	18	25	26	21	72	72	1414	72
3	Jct Ia 353 to Franklin Co Line	2.74	Paved	18	27	29	25	81	81	1254	81
Franklin County											
3	Wright Co Line to Jct Ia 107	1.04	Paved	18	26	26	23	75	75	1202	76
3	Jct Ia 107 to Int Ia 263	5.51	Paved	18	26	28	25	79	79	1287	80
3	Int Ia 263 to WCL of Hampton	7.67	Paved	18	26	28	22	76	76	1621	75
3	ECL of Hampton to Butler Co Line	8.33	Paved	18	24	27	20	71	71	1840	70

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel surface	1953 Traffic	Adjusted Sufficiency Rating	
					Structural Adequacy	Safety	Service	Total Basic				
Butler County												
3	Franklin Co Line to Jct Ia 326	6.21	Paved	18	18	22	21	61	61	1668	60	
3	Jct Ia 326 to West Jct Ia 14	4.79	Paved	18	18	25	20	63	63	1640	62	
3	West Jct Ia 14 to East Jct Ia 14	.97	Paved	18	18	25	20	63	63	1261	64	
3	East Jct Ia 14 to Jct Ia 188	6.38	Paved	18	18	23	19	60	60	1827	58	
3	Jct Ia 188 to WCL of Shell Rock	4.93	Paved	18	20	21	15	56	56	1872	54	
3	ECL of Shell Rock to Bremer Co Line	.75	Paved	18	20	18	15	53	53	2350	50	
Bremer County												
3	Butler Co Line to WCL of Waverly	3.56	Paved	18	20	20	17	57	57	2375	54	
3	ECL of Waverly to Urban Area Line	1.27	Paved	18	20	15	16	51	51	2255	48	
3	Urban Area Line to Begin 24 Ft Sec	2.11	Paved	18	20	19	17	56	56	2255	53	
3	Begin 24 Ft Sec to End 24 Ft Sec	.48	Paved	24	30	34	32	96	96	2255	95	
3	End 24 Ft Sec to Jct 63	2.42	Paved	18	20	25	17	62	62	1879	60	
3	Jct US 63 to End 18 Ft Sec	.11	Paved	18	20	29	24	73	73	1803	72	
3	End 18 Ft Sec to End 20 Ft Conc Sec	.24	Paved	20	27	32	26	85	85	1803	84	
3	End 20 Ft Sec to Jct Ia 241	5.22	Paved	18	20	24	22	66	66	1740	65	
3	Jct Ia 241 to Begin 20 Ft Sec	2.69	Paved	18	20	27	24	71	71	1307	71	
3	Begin 20 Ft Sec to End 20 Ft Sec	.64	Paved	20	30	31	27	88	88	1307	88	
3	End 20 Ft Sec to Fayette Co Line	4.16	Paved	18	20	28	24	72	72	1228	73	
Fayette County												
3	Bremer Co Line to North Jct Ia 150	8.61	Paved	18	18	23	21	62	62	1375	62	
3	North Jct Ia 150 to NCL of Oelwein	1.64	Paved	18	Under Construction						2872	40
3	ECL of Oelwein to Jct Ia 154	13.40	Paved	18	16	22	22	60	60	1751	59	
3	Jct Ia 154 to Clayton Co Line	2.01	Paved	18	16	21	17	54	54	1740	53	

Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Clayton County											
3	Fayette Co Line to WCL Strawberry Point	2.94	Paved	18	18	26	18	62	62	1776	63
3	SCL Strawberry Point to Jct Ia 19	.78	Paved	18	18	24	21	63	63	1702	61
3	Jct Ia 19 to East Jct Ia 13	4.23	Paved	18	18	26	20	64	64	1399	64
Delaware County											
3	Jct Ia 13 to WCL of Edgewood	2.95	Paved	20	19	30	25	74	74	1013	75
3	LCL of Edgewood to Begin 22 Ft Sec	3.02	Paved	20	27	28	23	78	78	963	80
3	Begin 22 Ft Sec to Jct Ia 38	1.21	Paved	22	27	30	28	85	85	963	86
3	Jct Ia 38 to End of 22 Ft Sec	5.81	Paved	22	22	27	24	73	73	1011	75
3	End of 22 Ft Sec to Jct Ia 376	.95	Paved	20	27	30	25	82	82	1011	83
3	Jct Ia 376 to Dubuque Co Line	4.93	Paved	20	27	30	24	81	81	1208	82
Dubuque County											
3	Delaware Co Line to WCL of Luxemburg	2.80	Paved	20	27	28	24	79	79	1167	80
3	LCL Luxemburg to End 18 Ft Sec	14.65	Paved	18	07	21	06	34	34	1743	33
3	End 18 Ft sec to WCL Durango	1.96	Paved	20	15	20	20	55	55	1827	53
3	WCL Durango to Begin 22 Ft Sec	3.03	Paved	20	15	22	17	54	54	2306	51
3	Begin 22 Ft Sec to End 22 Ft sec	.42	Paved	22	24	32	16	72	72	2306	69
3	End 22 Ft Sec to North Jct Ia 386	.22	Paved	20	15	28	18	61	61	2306	58
3	North Jct Ia 386 to South Jct Ia 386	1.58	Paved	20	12	25	19	56	56	2759	53
3	South Jct Ia 386 to NCL Dubuque	1.01	Paved	20	09	24	24	57	57	3659	50
305.86*											
Crawford County											
4	NCL of Denison to Begin 22 Ft Sec	3.96	Paved	18	30	29	21	80	80	1581	79
4	Begin 22 Ft sec to sac Co Line	12.43	Paved	22	30	32	28	90	90	1256	90

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	safety	service	Total Basic			
Sac County											
4	Crawford Co Line to WCL of Odebolt	7.19	Paved	22	30	33	31	94	94	1152	94
4	West Jct Ia 175 to West Jct. US 71	5.53	Paved	20	30	29	28	87	87	1429	86
		29.11*									
Plymouth County											
5	SCL Akron to North Jct Ia 29	10.02	Bit. S.T.	22	28	26	25	79	79	498	84
5	North Jct Ia 29 to South Jct Ia 29	1.03	Mix. Bit.	22	22	26	26	74	74	368	81
5	South Jct Ia 29 to WCL Lemars	9.21	Paved	22	30	32	31	93	93	365	95
5	WCL Lemars to WCL Remsen	9.02	Paved	18	Under Construction					1839	
5	WCL Remsen to Jct Ia 140	.50	Paved	18	Under Construction					1735	
5	Jct Ia 140 to Cherokee Co Line	5.02	Paved	18	Under Construction					1501	
Cherokee County											
5	Plymouth Co Line to Int Ia 143	2.99	Paved	20	30	29	26	85	85	1458	84
5	Int Ia 143 to North Jct Us 59	13.60	Paved	20	30	30	26	86	86	1477	85
5	North Jct Us 59 to WCL Cherokee	.49	Paved	20	30	24	22	76	76	2722	73
5	WCL Cherokee to W Jct Ia 3	4.52	Paved	20	30	25	25	80	80	1798	79
5	East Jct Ia 3 to WCL of Aurelia	2.13	Paved	20	30	30	22	82	82	1402	81
5	WCL of Aurelia to Buena Vista Co Line	2.08	Paved	20	30	32	28	90	90	1300	90
Buena Vista County											
5	Cherokee Co Line to WCL of Alta	4.20	Paved	20	30	31	28	89	89	1293	89
5	WCL of Alta to WCL of Storm Lake	3.71	Paved	20	30	32	27	89	89	1695	90
5	WCL Storm Lake to South Jct Us 71	3.16	Paved	18	Under Construction					2616	
5	South Jct Us 71 to WCL of Newell	7.49	Paved	20	30	30	26	86	86	1760	85
5	SCL of Newell to Jct Ia 360	.19	Paved	20	30	32	30	92	92	750	93
5	Jct. Ia. 360 to Pocahontas Co Line	4.57	Paved	20	30	30	26	86	86	1110	87

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel surface	1953 Traffic	Adjusted sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Pocahontas County											
5	Buena Vista Co Line to WCL of Fonda	3.52	Paved	20	30	31	28	89	89	1166	90
5	ECL of Fonda to North Jct Ia 17	8.66	Paved	20	30	30	28	88	88	956	89
5	N Jct Ia 17 to Calhoun Co Line	1.73	Paved	20	30	31	30	91	91	1598	90
Calhoun County											
5	Pocahontas Co Line to NCL of Pomeroy	.44	Paved	20	22	28	22	70	70	1598	69
5	SCL of Pomeroy to South Jct Ia 17	2.21	Paved	20	22	30	29	81	81	1827	80
5	South Jct Ia 17 to Webster Co Line	12.12	Paved	20	22	31	27	80	80	1448	79
Webster County											
5	Calhoun Co Line to Jct Ia 321	4.08	Paved	18	20	27	24	71	71	1468	70
5	Jct Ia 321 to Urban Area Line	7.03	Paved	18	20	27	23	70	70	1112	71
5	Urban Area Line to South Line Sec 13 89 29W	.22	Paved	18	20	29	25	74	74	1830	72
5	South Line Sec 13 89 29W to WCL Ft Dodge	.80	Paved	18	20	27	19	66	66	1830	65
Pottawattamie County											
6	ECL Council Bluffs to Begin 24 Ft Sec	.70	Paved	24	22	13	10	45	45	3200	39
6	Begin 24 Ft Sec to End 24 Ft Sec	.30	Paved	24	22	26	26	74	74	3200	69
6	End 24 Ft Sec to End Winding Sec	8.00	Paved	18	22	16	12	50	50	3200	44
6	End Winding Sec to south Jct US 59	14.32	Paved	18	22	17	21	60	60	3200	54
6	South Jct US 59 to SCL Oakland	.57	Paved	18	22	16	20	58	58	3667	53
6	ECL Oakland to End 24 Ft Sec	.21	Paved	24	30	35	34	99	99	2360	99
6	End 24 Ft Sec to Cass Co Line	11.57	Paved	18	22	16	19	57	57	2303	54

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Cass County											
6	Pottawattamie Co Line to Jct Ia 48	1.03	Paved	18	22	21	18	61	61	2248	58
6	Jct Ia 48 to Ia 92	2.59	Paved	18	22	14	19	55	55	2484	51
6	Jct Ia 92 to Urban Area Line	6.14	Paved	24	23	27	29	79	79	2779	77
6	Urban Area Line to WCL of Atlantic	.80	Paved	24	23	30	33	86	86	2779	84
6	WCL of Atlantic to West Jct US 71	.53	Paved	24	23	32	26	81	81	3585	77
6	West Jct US 71 to East Jct US 71	1.77	Paved	24	23	27	28	78	78	3450	74
6	East Jct US 71 to WCL of Wiota	3.00	Paved	18	23	21	18	62	62	2150	59
6	WCL of Wiota to WCL of Anita	5.94	Paved	18	23	24	21	68	68	1856	67
6	WCL of Anita to Adair Co Line	3.11	Paved	18	23	23	21	67	67	1887	66
Adair County											
6	Cass Co Line to Begin Rel Sec 8 77 33W	1.80	Paved	18	23	15	20	58	58	1950	56
6	Begin of Rel to WCL Adair	1.42	Paved	18	23	17	17	57	57	1950	55
Guthrie County											
6	WCL of Adair to WCL of Casey	6.51	Paved	18	23	20	20	63	63	2021	60
6	WCL of Casey to West Jct Ia 25	1.64	Paved	18	23	14	17	54	54	1907	52
6	West Jct Ia 25 to East Jct Ia 25	3.96	Paved	18	23	22	19	64	64	1763	63
6	E Jct Ia. 25 to WCL of Menlo	.16	Paved	18	23	25	20	68	68	1898	66
6	WCL of Menlo to Adair Co Line	3.90	Paved	18	23	23	20	66	66	1831	65
Adair County											
6	WCL Stuart to Guthrie Co Line	1.75	Paved	18	23	18	18	59	59	1950	57
Guthrie County											
6	Adair Co Line to Dallas Co Line	2.04	Paved	18	23	15	18	56	56	1970	54
Dallas County											
6	WCL of Dexter to Jct Ia 90	.81	Paved	18	24	19	18	61	61	2300	58
6	Jct Ia 90 to SCL Redfield	4.76	Paved	18	24	16	16	56	56	2035	53
6	WCL Redfield to WCL Adel	8.76	Paved	18	24	19	18	61	61	2270	58
6	WCL Adel to WCL Waukeo	6.30	Paved	18	21	25	21	67	67	3661	61
6	WCL Waukeo to Polk Co Line	3.00	Paved	18	21	24	21	66	66	4093	59

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Polk County											
6	Dallas Co Line to Urban Area Line	3.10	Paved	20	18	26	23	67	67	4145	60
6	Urban Area Line to Sec 6 79 25 W	1.93	Paved	20	18	25	21	64	64	4375	57
6	Sec 6 79 25W to Begin 44 Ft Sec	.61	Paved	20	18	25	19	62	62	4376	55
6	Begin 44 Ft Sec to WCL of Des Moines	.09	Paved	44	30	34	34	98	98	4376	97
6	ECL of Des Moines to Jct US 65 Ia 64	.75	Paved	20	22	14	18	54	54	10300	40
6	East Jct Ia 64 to Urban Area Line	.64	Paved	24	22	29	28	79	79	4890	73
6	Urban Area Line to End of 24 Ft Asph Conc Sec	1.17	Paved	24	22	29	31	82	82	4890	77
6	End 24 Ft Asph Conc Sec to End 24 Ft Conc Sec	.38	Paved	24	25	33	27	85	85	4300	81
6	End 24 Ft Conc Sec to WCL of Altoona	.23	Paved	24	22	35	27	84	84	4300	81
6	WCL of Altoona to Jct Ia 126	5.53	Paved	24	21	28	28	77	77	4230	71
6	Jct 126 to Jasper Co Line	.67	Paved	24	21	32	26	79	79	4175	74
Jasper County											
6	Polk Co Line to WCL of Colfax	5.45	Paved	24	27	29	30	86	86	4142	82
6	ECL of Colfax to Begin Conc Sec	7.88	Paved	24	27	28	29	84	84	4170	80
6	Begin Conc Sec to End 24 Ft Sec	.03	Paved	24	30	35	34	99	99	4170	99
6	End 24 Ft Sec to WCL of Newton	1.14	Paved	31	30	26	32	88	88	4187	85
6	ECL of Newton to Jct Ia 224	5.87	Paved	24	28	31	29	88	88	3196	86
6	Jct Ia 224 to Poweshiek Co Line	8.09	Paved	24	30	28	31	89	89	2739	87
Poweshiek County											
6	Jasper Co Line to Urban Area Line	1.17	Paved	24	30	31	30	91	91	2740	84
6	Urban Area Line to WCL of Grinnell	.52	Paved	24	30	31	23	84	84	2740	77
6	ECL Grinnell to Urban Area Line	.50	Paved	24	30	35	35	100	100	3500	100
6	Urban Area Line to West Jct US 63	5.62	Paved	24	30	33	30	93	93	3500	92
6	West Jct US 63 to East Jct US 63	2.10	Paved	24	29	33	30	92	92	3650	91
6	East Jct US 63 to WCL Brooklyn	6.00	Paved	24	29	32	30	91	91	3000	90
6	ECL Brooklyn to West Jct Ia 21	6.55	Paved	18	Under Construction					2583	
6	West Jct Ia 21 to WCL Victor	.84	Paved	18	Under Construction					2750	

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Iowa County											
6	ECL of Victor to End of Relocation	3.58	Paved	18	Under Construction					3075	
6	End of Reloc. to WCL of Ladora	2.09	Paved	18	10	18	13	41	41	3075	35
6	ECL of Ladora to Jct Ia 212	6.01	Paved	24	16	27	32	75	75	3206	70
6	Jct Ia 212 to West Jct Ia 149	3.60	Paved	24	14	27	28	69	69	3600	63
6	West Jct Ia 149 to Int Ia 220	1.99	Paved	24	14	26	29	69	69	3800	63
6	Int Ia 220 to In Sec 5 80 9W	2.83	Paved	24	14	33	32	79	79	4050	73
6	In Sec 5 80 9W to East Jct Ia 149	2.00	Paved	24	14	25	27	66	66	3600	60
6	East Jct Ia 149 to Johnson Co Line	2.42	Paved	24	14	29	27	70	70	3565	64
Johnson County											
6	Iowa Co Line to In Sec 8 80 8W	1.50	Paved	24	17	27	26	70	70	3565	64
6	In Sec 8 80 8W to Jct Ia 109	1.26	Paved	24	29	32	29	90	90	3600	88
6	Jct Ia 109 to North Line Sec 24 80 8W	3.54	Paved	24	29	33	31	93	93	2960	91
6	North Line Sec 24 80 8W to WCL of Tiffin	2.87	Paved	24	13	27	23	63	63	3150	57
6	ECL of Tiffin to Begin 24 Ft Sec	3.18	Paved	24	13	27	25	65	65	3270	59
6	Begin 24 Ft Sec to Jct Ia 153	.18	Paved	24	27	35	35	97	97	3270	97
6	Jct Ia 153 to WCL of Coralville	1.53	Paved	24	27	35	35	97	97	3700	97
6	ECL of Coralville to WCL of Ia City	.55	Paved	48	27	35	34	96	96	3450	95
6	ECL of Ia City to Sec 35 79 5W	6.44	Paved	18	13	19	18	50	50	3075	44
6	Sec 35 79 5W to Muscatine Co Line	2.21	Paved	18	Under Construction					3075	
Muscatine County											
6	Johnson Co Line to NCL of West Liberty	5.69	Paved	18	Under Construction					3217	
6	ECL of West Liberty to South Jct Ia 38	11.29	Paved	24	16	25	29	70	70	2945	66
6	South Jct Ia 38 to North Jct Ia 38	1.23	Paved	24	16	22	19	57	57	3160	51
6	North Jct Ia 38 to WCL of Wilton Jct	.85	Paved	24	16	22	21	59	59	3335	53
6	ECL of Wilton Jct to Cedar Co Line	2.16	Paved	24	16	27	29	72	72	3385	67
Cedar County											
6	Muscatine Co Line to WCL Durant	2.48	Paved	24	10	28	31	69	69	3335	64

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
6	Cedar Co Line to Muscatine Co Line	Scott County .56	Paved	24	16	28	28	72	72	3630	67
6	Cedar Co Line to Scott Co Line	Muscatine County 5.47	Paved	24	16	25	29	70	70	3680	64
6	Muscatine Co Line to Jct Ia 228	Scott County .47	Paved	24	10	30	32	72	72	3625	66
6	Jct Ia 228 to Jct Ia 350	8.19	Paved	24	10	28	23	61	61	3910	54
6	Jct Ia 350 to WCL of Davenport	1.37	Paved	20	10	21	20	51	51	2310	48
7	Jct Ia 99 to SCL Oakville	261.86* .10 .10	Paved	24	22	34	31	87	87	575	88
8	WCL of Traer to Sec 13 85 13W	Tama County 7.28	Bit. S.T.	24	17	34	29	80	80	814	82
8	Sec 13 85 13W to Jct Ia 21 Denton Co Line	1.00	Bit. S.T.	24	17	35	30	80	80	630	85
8	Tama Co Line Jct Ia 21 to Jct US 218	Denton County 5.27 13.55*	Mix. Bit.	24	8	30	25	63	63	751	67
9	Minnesota St Line to WCL Larchwood	Lyon County 5.03	Paved	20	30	31	28	89	89	1856	89
9	SCL of Larchwood to Jct Ia 26	1.00	Paved	20	30	28	26	84	84	1530	84
9	Jct Ia 26 to West Jct US 75	12.31	Paved	20	30	31	26	87	87	1538	87
9	West Jct US 75 to WCL Rock Rapids	.19	Paved	20	30	26	24	80	80	2557	77
9	WCL of Rock Rapids to Jct Ia 339	7.43	Paved	20	30	30	28	88	88	1087	89
9	Jct Ia 339 to Jct Ia 178	5.70	Paved	20	30	30	28	88	88	1025	89
9	Jct Ia 178 to Begin 22 Ft Section	.24	Paved	20	30	32	20	82	82	1156	83
9	Begin 22 Ft Section to Osceola Line	1.00	Paved	22	30	33	32	95	95	1156	95

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structure Adequacy	Safety	Service	Total Basic			
Osceola County											
9	Lyon Co Line to Int Ia 33	6.45	Paved	22	30	34	32	96	96	1042	96
9	Int Ia 33 to End 22 Ft Sec	2.00	Paved	22	30	35	31	96	96	1146	96
9	End 22 Ft Sec to Int US 59	4.74	Paved	18	30	28	25	83	83	1167	84
9	Int US 59 to Jct Ia 237	5.79	Paved	18	30	27	23	80	80	1224	81
9	Jct Ia 237 to Jct Ia 238	5.13	Paved	18	29	27	24	80	80	1382	79
9	Jct Ia 238 to Dickinson Co Line	2.38	Paved	18	30	28	25	83	83	1355	84
Dickinson County											
9	Osceola Co Line to Jct Ia 219	3.28	Paved	20	30	30	26	86	86	1376	86
9	Jct Ia 219 to End of 20 Ft Section	6.63	Paved	20	28	25	26	79	79	1924	80
9	End of 20 Ft Section to Jct Ia 32	.50	Paved	18	30	21	21	72	72	1856	73
9	Begin 20 Ft Section to End 20 Ft Section	.28	Paved	20	30	18	19	67	67	2324	64
9	End 20 Ft Section to End 18 Ft Sec	1.42	Paved	18	30	19	19	68	68	2324	65
9	End 18 Ft Section to West Jct US 71	1.01	Paved	24	30	33	32	95	95	2324	94
9	West Jct US 71 to WCL Spirit Lake	.54	Paved	48	30	35	27	92	92	5030	89
9	ECL Spirit Lake to East Jct US 71	5.29	Paved	20	30	27	22	79	79	2390	77
9	East Jct US 71 to Jct Ia 203	1.30	Paved	20	30	29	25	84	84	3911	80
9	Jct Ia 203 to ECL of Superior	1.02	Paved	20	30	29	27	86	86	2309	84
9	ECL of Superior to Emmet Co Line	1.44	Paved	20	30	29	23	82	82	2270	80
Emmet County											
9	Dickinson Co Line to Jct Ia 245	2.00	Paved	18	24	19	18	61	61	2270	58
9	Jct Ia 245 to Urban Area Line	.68	Paved	18	22	17	19	58	58	2375	54
9	Urban Area Line to WCL Estherville	.58	Paved	18	22	20	18	60	60	2375	56
9	ECL of Estherville to WCL Armstrong	10.82	Paved	18	21	28	24	73	73	1944	72
9	ECL of Armstrong to Pottawattamie Co Line	1.59	Paved	18	21	29	25	75	75	1512	74

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Kossuth County											
9	Emmot Co Line to WCL Swca City	6.16	Paved	18	21	21	25	73	73	1599	72
9	WCL Swca City to West Jct US 169	4.76	Paved	18	21	29	26	76	76	1750	74
9	West Jct US 169 to Jct Ia 250	5.64	Paved	18	19	25	25	69	69	1700	68
9	Jct Ia 250 to East Jct US 169	.39	Paved	18	19	29	27	75	75	1716	74
9	East Jct US 169 to Winnebago Co Line	6.01	Paved	18	21	28	25	74	74	1774	72
Winnebago County											
9	Kossuth Co Line to WCL Buffalo Center	.94	Paved	18	23	28	25	76	76	1774	76
9	WCL Buffalo Center to Jct Ia 322	.50	Paved	18	25	23	23	71	71	2272	68
9	Jct Ia 322 to North Jct US 69	16.01	Paved	18	21	26	20	67	67	1675	66
9	North Jct US 69 to NCL Leland	1.78	Paved	18	Under Construction					2397	
9	SCL Leland to NCL Forest City	3.00	Paved	18	Under Construction					3179	
9	WCL Forest City to Begin 20 Ft section	2.53	Paved	18	21	27	22	70	70	874	73
9	Begin 20 Ft Sec to Jct Ia 332	.49	Paved	20	30	32	24	86	86	874	87
9	Jct Ia 332 to Worth Co Line	3.51	Paved	20	30	32	29	91	91	831	92
Worth County											
9	Winnebago Co Line to Jct Ia 86	3.99	Paved	20	30	32	25	87	87	946	87
9	Jct Ia 86 to WCL of Hanlontown	2.32	Paved	20	30	30	26	86	86	1105	87
9	WCL of Hanlontown to Int US 65 WCL Manly	8.37	Paved	20	30	32	28	90	90	1074	91
9	WCL of Manly to Jct Ia 337	6.43	Paved	20	30	28	26	84	84	1441	85
9	Jct Ia 337 to Mitchell Co Line	2.01	Paved	20	30	32	25	87	87	1274	87
Mitchell County											
9	Worth Co Line to Jct Ia 177	7.29	Paved	20	30	32	27	89	89	1272	89
9	Jct Ia 177 to WCL of Osage	2.78	Paved	20	30	30	29	89	89	1495	89
9	WCL Osage to East Jct US 218	3.09	Paved	18	26	29	26	81	81	1612	82
9	East Jct US 218 to Jct Ia 312	12.62	Paved	18	22	30	26	78	78	725	80
9	Jct Ia 312 to WCL of Riceville	1.24	Paved	18	22	25	21	68	68	1101	69

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Howard County											
9	ECL of Riceville to Int US 63	13.10	Paved	20	26	32	28	86	86	668	88
9	Int US 63 to WCL of Cresco	8.99	Paved	18	21	25	19	65	65	1324	66
9	ECL of Cresco to Last Jct Ia 139	.90	Paved	18	22	24	18	64	64	1435	63
9	East Jct Ia 139 to Winneshiek Co Line	.17	Paved	18	22	18	18	58	58	1025	60
Winneshiek County											
9	Howard Co Line to NCL of Ridgeway	5.85	Paved	18	22	23	18	63	63	1034	65
9	NCL of Ridgeway to South Jct US 52	9.96	Paved	18	21	23	17	61	61	1852	59
9	South Jct US 52 to WCL Decorah	.07	Paved	18	13	24	23	60	60	2979	55
9	ECL Decorah to Allamakee Co Line	10.21	Paved	18	19	22	16	57	57	1061	59
Allamakee County											
9	Winneshiek Co Line to WCL Waukon	7.72	Paved	18	21	23	17	61	61	1073	63
9	NCL Waukon to WCL Lansing	15.30	Paved	18	23	29	20	72	72	652	76
9	NCL Lansing to WCL Lansing	.09	Paved	18	27	30	21	78	78	574	82
276.79*											
Sioux County											
10	South Dakota St Line to NCL Hawarden	2.28	Paved	24	30	35	33	98	98	470	98
10	ECL of Hawarden to Jct Ia 231	7.98	Paved	20	30	27	26	83	83	758	85
10	Jct Ia 231 to Int US 75	7.18	Paved	20	30	34	29	93	93	707	95
10	Int US 75 to WCL Orange City	5.76	Paved	20	30	30	27	87	87	940	88
10	ECL of Orange City to Lnd 20 Ft Sec	.14	Paved	20	30	25	26	81	81	2606	79
10	Lnd 20 Ft Sec to Lnd 18 Ft Sec	2.01	Paved	18	25	18	19	62	62	2606	58
10	Lnd 18 Ft Sec to West Jct Ia 33	.49	Paved	20	30	22	22	74	74	2606	71
10	West Jct Ia 33 to Last Jct Ia 33	.33	Paved	20	30	18	21	69	69	2101	67
10	Last Jct Ia 33 to WCL of Grandville	6.92	Paved	22	30	33	32	95	95	479	96
10	ECL of Grandville to O'Brien Co Line	.65	Paved	22	30	35	35	100	100	407	100

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
O'Brien County											
10	Sioux Co Line to Jct Ia 143	2.97	Paved	22	30	35	34	99	99	407	99
10	Jct Ia 143 to WCL of Paullina	5.48	Paved	22	30	35	35	100	100	600	100
10	ECL of Paullina to West Jct US 59	3.26	Paved	18	30	24	23	77	77	925	79
10	West Jct US 59 to East Jct US 59	4.91	Paved	18	30	22	20	72	72	932	75
10	East Jct US 59 to WCL of Sutherland	2.00	Paved	18	30	28	27	87	87	837	86
10	SCL of Sutherland to Clay Co Line	6.76	Paved	20	30	28	24	82	82	790	84
Clay County											
10	O'Brien Co Line to WCL of Peterson	1.86	Paved	18	30	22	21	73	73	920	75
10	ECL of Peterson to Jct Ia 264	4.39	Paved	18	30	27	23	80	80	822	82
10	Jct Ia 264 to North Jct US 71	4.69	Paved	18	30	25	21	76	76	856	78
10	North Jct US 71 to Buena Vista Co Line	.91	Paved	20	30	29	25	84	84	2241	82
Buena Vista County											
10	Clay Co Line to NCL Sioux Rapids	.94	Paved	20	20	27	25	72	72	2241	69
10	SCL Sioux Rapids to South Jct US 71	2.26	Paved	20	30	27	24	81	81	2341	79
10	South Jct US 71 to Jct Ia 390	8.55	Paved	20	30	31	29	90	90	912	91
10	Jct Ia 390 to Pocahontas Co Line	3.48	Paved	20	30	32	28	90	90	987	91
Pocahontas County											
10	Buena Vista Co Line to WCL of Laurens	3.00	Paved	20	30	31	29	90	90	993	91
10	SCL of Laurens to WCL of Havelock	7.43	Paved	20	30	32	29	91	91	874	92
10	ECL of Havelock to North Jct Ia 17	.85	Paved	20	30	29	25	84	84	1002	85
10	North Jct Ia 17 to End of 20 Ft Sec	2.49	Paved	20	30	31	29	90	90	1561	90
10	End 20 Ft Sec to NCL of Pocahontas	3.49	Paved	18	30	28	27	85	85	1687	84
		103.46*									

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Plymouth County											
12	Woodbury Co Line to SCL of Westfield	16.43	Gravel	40	30	32	28	90	78	375	84
12	NCL of Westfield to South Jct Ia 3	.26	Paved	24	30	35	35	100	100	595	100
12	South Jct Ia 3 to SCL Akron	4.68	Mix. Bit.	24	24	29	30	83	83	646	86
12	NCL of Akron to End of Bit Sec	3.57	Mix. Bit.	24	24	26	25	75	75	392	80
12	End Bit Sec to Sioux Co Line	2.01	Paved	22	30	32	33	95	95	414	97
Sioux County											
12	Plymouth Co Line to SCL of Hawarden	4.64	Paved	22	30	31	32	93	93	427	95
		31.59*									
Linn County											
13	Jct US 151 Ia 64 to Begin Asph Conc	4.00	Paved	18	18	26	21	65	65	1734	64
13	Begin Asph Conc Sec to SCL Central City	7.66	Paved	18	22	26	23	71	71	1734	70
13	NCL of Central City to Begin Asph Conc	3.80	Paved	18	13	26	20	59	59	1370	59
13	Begin Asph Conc to SCL of Coggon	.73	Paved	18	22	24	23	69	69	1370	69
13	NCL of Coggon to Begin Conc Section	2.99	Paved	18	22	24	23	69	69	1373	69
13	Begin Conc Section Delaware Co Line	.21	Paved	18	13	29	27	69	69	1373	69
Delaware County											
13	Linn Co Line to SCL of Ryan	3.74	Paved	18	18	27	22	67	67	1344	67
13	NCL of Ryan to SCL of Manchester	8.76	Paved	18	18	22	22	62	62	1460	62
13	NCL of Manchester to East Jct Ia 3	10.24	Paved	18	18	22	19	59	59	1054	61

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Clayton County											
13	Delaware Co Line to South Jct Ia 3	.11	Paved	18	16	26	26	68	68	1397	68
13	South Jct Ia 3 to Jct Ia 19	4.23	Paved	18	18	26	20	64	64	1399	64
13	Jct Ia 19 to SCL Strawberry Point	.78	Paved	18	18	24	21	63	63	1702	61
13	NCL Strawberry Point to Jct Ia 112	7.06	Paved	18	15	20	11	46	46	806	50
13	Jct Ia 112 to SCL Elkader	6.95	Paved	18	15	24	12	49	49	753	53
13	NCL Elkader to Jct Ia 128	2.01	Paved	18	15	21	14	50	50	1317	50
13	Jct Ia 128 to Jct Ia 290	6.15	Paved	18	15	23	17	55	55	762	59
13	Jct Ia 290 to South Jct US 52	2.58	Paved	18	15	29	23	67	67	621	71
13	South Jct US 52 to North Jct US 52	.25	Paved	18	16	21	18	55	55	1759	54
13	North Jct US 52 to West Jct US 18	.75	Paved	18	15	26	18	59	59	1182	60
13	West Jct US 18 to WCL McGregor	6.17	Paved	18	13	24	13	50	50	1248	50
13	NCL Marquette to Allamakee Co Line	2.26	Bit. Pen	22	10	28	25	63	63	335	72
Allamakee County											
13	Clayton Co Line to Jct Ia 364	5.63	Bit. Pen	24	13	20	17	50	50	369	60
13	Jct Ia 364 to Jct Ia 373	7.12	Bit. Pen	24	09	26	18	53	53	361	63
13	Jct Ia 373 to Jct Ia 51	6.79	Bit. Pen	24	23	24	16	63	63	538	69
13	Jct Ia 51 to SCL Waukon	2.46	Paved	18	23	22	17	63	63	1076	64
13	NCL Waukon to Jct Ia 119	15.70	Gravel	35	Under Construction					291	
13	Jct Ia 119 to Minn St Line	3.36	Gravel	35	Under Construction					134	
		122.67*									

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Wayne County											
14	NCL of Corydon to Begin 22 Ft Sec	1.46	Paved	18	18	18	15	51	51	1200	52
14	Begin 22 Ft Sec to Lucas Co Line	7.54	Paved	22	26	32	29	87	87	1076	88
Lucas County											
14	Wayne Co Line to SCL of Chariton	7.41	Paved	22	28	32	29	89	89	985	90
14	NCL of Chariton to Jct Ia 253	5.03	Paved	20	27	29	24	80	80	1062	81
14	Jct Ia 253 to Marion Co Line	7.26	Paved	22	30	32	32	94	94	543	94
Marion County											
14	Lucas Co Line to Begin 20 Ft Sec	3.89	Paved	22	30	35	33	98	98	465	99
14	Begin 20 Ft Section to SCL of Knoxville	8.38	Paved	20	24	33	29	8	86	675	89
14	NCL of Knoxville to End of Conc Section	4.49	Paved	20	24	24	26	74	74	900	76
14	End of Conc Sec to Begin 30 Ft Section	2.29	Gravel	34	Under Construction					800	
14	Begin 30 Ft Section to Jasper Co Line	5.78	Gravel	30	Under Construction					735	
Jasper County											
14	Marion Co Line to SCL of Monroe	.50	Gravel	38	17	31	29	77	57	720	61
14	NCL of Monroe to End of 20 Ft Sec	6.00	Paved	20	22	27	23	72	72	1300	72
14	End of 20 Ft Sec to WCL of Newton	6.12	Paved	18	22	23	21	66	66	1182	67
14	NCL of Newton to Begin 22 Ft Sec	4.34	Paved	20	24	29	26	79	79	925	81
14	Begin 22 Ft Sec to Jct Ia 223	3.02	Paved	22	29	31	20	80	80	875	82
14	Jct Ia 223 to Marshall Co Line	9.96	Paved	22	29	31	21	81	81	699	84
Marshall County											
14	Jasper Co Line to SCL of Laurel	1.24	Paved	22	30	33	33	96	96	770	96
14	NCL of Laurel to End 22 Ft Section	2.15	Paved	22	30	31	30	91	91	1500	90
14	End 22 Ft sec to Urban Area Line	5.75	Paved	20	26	28	26	80	80	1650	79
14	Urban Area Line to Int US 30	.51	Paved	20	26	28	26	80	80	1650	79

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating	
					Structural Adequacy	Safety	Service	Total Basic				
(Marshall County Cont'd)												
14	Int US 30 to SCL Marshalltown	1.50	Paved	44	30	34	35	99	99	4780	99	
14	NCL of Marshalltown to Jct Ia 233	4.06	Paved	18	17	21	12	50	50	2866	45	
14	Jct Ia 233 to Jct Ia 96	4.00	Paved	18	12	19	20	56	56	2382	52	
14	Jct Ia 96 to Jct Ia 311	.50	Paved	18	17	25	22	64	64	2488	60	
14	Jct Ia 311 to Grundy Co Line	1.48	Paved	18	17	19	20	56	56	2221	53	
Grundy County												
14	Marshall Co Line to Jct Ia 185	1.00	Paved	18	17	24	21	62	62	2156	59	
14	Jct Ia 185 to South Jct Ia 57	9.12	Paved	18	17	26	22	65	65	1954	63	
14	South Jct Ia 57 to WCL of Grundy Center	6.17	Paved	18	20	25	17	62	62	1971	60	
14	NCL of Grundy Center to North Jct Ia 57	6.74	Paved	18	20	25	22	67	67	1473	66	
14	North Jct Ia 57 to Butler Co Line	6.19	Paved	22	30	34	33	97	97	265	98	
Butler County												
14	Grundy Co Line to East Jct US 20	1.01	Paved	22	30	35	35	100	100	261	100	
14	East Jct US 20 to SCL Parkersburg	.88	Paved	18	Under Construction						1854	
14	NCL of Parkersburg to East Jct Ia 3	11.21	Paved	20	30	26	27	83	83	1174	84	
14	East Jct Ia 3 to West Jct Ia 3	.97	Paved	18	18	25	20	63	63	1261	64	
14	West Jct Ia 3 to Jct Ia 47	.88	Paved	22	30	35	34	99	99	905	100	
14	Jct Ia 47 to SCL of Greene	9.13	Paved	22	30	34	30	94	94	804	95	
14	NCL of Greene to Floyd Co Line	.39	Paved	20	29	30	25	84	84	592	87	
Floyd County												
14	Butler Co Line to Jct Ia 54	4.01	Paved	20	30	34	26	90	90	569	92	
14	Jct Ia 54 to Jct Ia 147	6.05	Paved	20	30	35	30	95	95	566	96	
14	Jct Ia 147 to WCL Charles City	6.36	Paved	20	30	31	27	88	88	884	89	
		174.77*										

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Wapello County											
15	WCL of Ottumwa to Urban Area Line	.58	Bit. Pen.	24	17	28	24	69	69	2100	67
15	Urban Area Line to Sec 32 73 14W	3.42	Bit. Pen.	24	17	25	24	66	66	2100	63
15	Sec 32 73 14W to SCL of Eddyville	8.67	Bit. S.T.	24	20	25	26	71	71	2033	69
		12.67*									
Wapello County											
16	Jct US 34 to End of Asph Conc Sec	.12	Paved	24	20	35	34	89	89	723	92
16	End of Asph Sec to NCL of Eldon	5.10	Paved	18	20	30	18	68	68	723	72
16	ECL of Eldon to Davis Co Line	1.03	Bit. S.T.	24	22	29	24	75	75	560	79
Davis County											
16	Wapello Co Line to Van Buren Co Line	.81	Bit. S.T.	24	22	31	32	85	85	560	88
Van Buren County											
16	Davis Co Line to Jct Ia 98	6.05	Bit. S.T.	24	17	30	27	74	74	560	80
16	Jct Ia 98 to North Jct Ia 1	7.48	Bit. S.T.	24	17	32	22	73	73	203	83
16	North Jct Ia 1 to South Jct Ia 1	2.38	Paved	20	20	30	27	77	77	765	79
16	South Jct Ia 1 to Jct Ia 269	5.37	Gravel	32	21	34	32	87	77	330	84
16	Jct Ia 269 to Lee Co Line	6.03	Gravel	32	21	30	30	81	75	205	85
Lee County											
16	Van Buren Co Line to Jct Ia 270	.63	Gravel	32	22	32	28	82	76	250	85
16	Jct Ia 270 to Int US 218	9.37	Paved	18	15	25	18	58	58	340	68
16	Int US 218 to Begin Bit Sec	12.88	Gravel	32	Under Construction					283	
16	Begin Bit Sec to Jct Ia 88	.52	Bit. S.T.	24	Under Construction					225	
16	Jct Ia 88 to Jct Ia 394	1.98	Bit. S.T.	24	19	29	31	79	79	360	85
16	Jct Ia 394 to Jct US 61	4.06	Bit. S.T.	24	19	30	30	79	79	942	81
		63.81*									

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Guthrie County											
17	NCL of Panora to Jct Ia 271	5.73	Gravel	28	13	26	16	55	41	419	49
17	Jct Ia 271 to South Jct Ia 141	4.30	Gravel	31	13	28	28	69	57	377	66
17	South Jct Ia 141 to North Jct Ia 141	.23	Paved	22	29	35	34	98	98	505	98
17	North Jct Ia 141 to Greene Co Line	1.38	Gravel	31	13	31	25	69	61	269	72
Greene County											
17	Guthrie Co Line to Begin Conc Sec	5.13	Gravel	48	21	33	28	82	74	271	83
17	Begin Conc Sec to SCL of Jefferson	4.70	Paved	22	30	34	32	96	96	435	97
17	NCL Jefferson to Begin 20 Ft Sec	2.00	Paved	18	17	28	23	68	68	1132	69
17	Begin 20 Ft Sec to LCL of Churdan	10.03	Paved	20	27	27	27	81	81	815	83
17	NCL of Churdan to Calhoun Co Line	1.98	Paved	22	30	35	33	98	98	563	99
Calhoun County											
17	Greene Co Line to East Jct Ia 175	3.97	Paved	20	30	33	32	95	95	514	96
17	East Jct Ia 175 to LCL of Lohrville	2.95	Bit. Pen.	24	23	31	32	86	86	622	89
17	WCL of Lohrville to West Jct Ia 175	3.88	Paved	20	22	31	28	81	81	946	83
17	West Jct Ia 175 to East Jct US 20	9.20	Paved	20	22	30	27	79	79	1404	78
17	East Jct US 20 to West Jct US 20	.98	Paved	20	31	27	25	73	73	2017	71
17	West Jct US 20 to Jct Ia 124	5.16	Paved	20	24	31	29	84	84	956	85
17	Jct Ia 124 to South Jct Ia 5	3.34	Paved	20	24	32	29	85	85	781	87
17	South Jct Ia 5 to SCL Pomeroy	2.21	Paved	20	22	30	29	81	81	1827	80
17	NCL Pomeroy to Pocahontas Co Line	.44	Paved	20	22	28	22	72	72	1598	71
Pocahontas County											
17	Calhoun Co Line to North Jct Ia 5	1.78	Paved	20	30	31	30	91	91	1598	90
17	North Jct Ia 5 to Jct Ia 315	3.55	Paved	20	30	31	29	90	90	1175	90
17	Jct Ia 315 to End 20 Ft Sec	6.72	Paved	20	30	31	29	90	90	1315	90
17	End 20 Ft Sec to SCL of Pocahontas	.13	Paved	18	30	29	27	86	86	1373	86

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Pocahontas County (Con't)											
17	NCL Pocahontas to Begin 20 Ft Sec	3.49	Paved	18	30	28	27	85	85	1687	84
17	Begin 20 Ft Sec to North Jct Ia 10	2.49	Paved	20	30	31	29	90	90	1561	90
17	North Jct Ia 10 to End 20 Ft Sec	1.70	Paved	18	30	28	27	85	85	1144	86
17	End 20 Ft Sec to Jct Ia 195	1.99	Paved	20	30	31	29	90	90	1125	91
17	Jct 195 to Palo Alto Co Line	2.12	Paved	20	30	31	29	90	90	1107	91
Palo Alto County											
17	Pocahontas Co Line to Jct Ia 354	2.00	Paved	18	30	27	23	80	80	1107	81
17	Jct Ia 354 to SCL of Emmetsburg	11.18	Paved	18	21	22	18	61	61	1224	62
17	WCL Emmetsburg to West Jct Us 18	3.59	Paved	18	30	21	22	73	73	2592	70
17	West Jct Us 18 to Jct Ia 345	8.15	Paved	20	30	30	27	87	87	1079	87
17	Jct Ia 345 to Emmet Co Line	1.26	Paved	20	30	31	27	88	88	1081	89
Emmet County											
17	Palo Alto Co Line to SCL Wallingford	4.40	Paved	20	22	31	28	81	81	991	83
17	NCL of Wallingford to SCL Estherville	4.54	Paved	18	21	29	26	76	76	1359	76
17	NCL Estherville to Minnesota State Line	6.97	Bit. S.T.	26	19	33	30	82	82	641	85
133.57*											
Lyon County											
18	South Dakota State Line to Jct Ia 26	5.08	Paved	20	30	30	29	89	89	680	91
18	Jct Ia 26 to Sioux Co Line	2.84	Paved	20	30	28	30	88	88	784	90
Sioux County											
18	Lyon Co Line to WCL of Rock Valley	10.95	Paved	22	30	34	32	96	96	824	97
18	ECL of Rock Valley to North Jct Us 75	6.01	Paved	20	30	28	24	82	82	944	83
18	North Jct Us 75 to South Jct Us 75	.79	Paved	20	30	22	21	73	73	2319	70
18	South Jct Us 75 to End 18 Ft sec	2.23	Paved	18	26	25	22	73	73	1120	74
18	End 18 Ft Sec to O'Brien Co Line	13.72	Paved	20	30	29	28	87	87	1213	87

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
O'Brien County											
18	ECL of Sheldon to WCL of Sanborn	8.49	Paved	18	25	21	23	69	69	1974	68
18	ECL of Sanborn to West Jct US 59	2.01	Paved	18	25	22	24	71	71	2095	68
18	West Jct US 59 to East Jct US 59	1.01	Paved	18	25	21	24	70	70	2095	67
18	East Jct US 59 to WCL of Hartley	6.45	Paved	18	25	24	24	73	73	1634	72
18	ECL of Hartley to Clay Co Line	4.50	Paved	18	25	21	22	68	68	1644	67
Clay County											
18	O'Brien Co Line to Jct Ia 170	3.06	Paved	18	30	23	23	76	76	1560	75
18	Jct Ia 170 to North Jct US 71	9.06	Paved	18	30	22	24	76	76	1612	75
18	North Jct US 71 to NCL of Spencer	1.94	Paved	48	30	35	35	100	100	5080	100
18	SCL of Spencer to South Jct US 71	.26	Paved	49	30	35	34	99	99	3104	99
18	South Jct US 71 to Jct Ia 257	6.26	Paved	18	30	22	23	75	75	2729	72
18	Jct Ia 257 to Palo Alto Co Line	5.56	Paved	18	30	19	23	72	72	2021	69
Palo Alto County											
18	Clay Co Line to Jct Ia 341	.86	Paved	18	30	23	21	74	74	2049	72
18	Jct Ia 341 to Jct Ia 314	2.97	Paved	18	29	21	22	72	72	1931	71
18	Jct Ia 314 to Begin 20 Ft Sec	1.59	Paved	18	30	27	23	80	80	1815	79
18	Begin 20 Ft Sec to End 20 Ft Sec	.42	Paved	20	30	29	25	84	84	1815	84
18	End 20 Ft Sec to West Jct Ia 17	2.06	Paved	18	30	26	24	80	80	1733	79
18	West Jct Ia 17 to WCL of Emmetsburg	2.59	Paved	18	30	21	22	73	73	2592	70
18	ECL of Emmetsburg to WCL of Cylinder	7.16	Paved	18	26	20	20	66	66	2422	63
18	SCL of Cylinder to Kossuth Co Line	5.55	Paved	18	30	29	26	85	85	1550	84

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Kossuth County											
18	Palo Alto Co Line to Int Ia 44	.99	Paved	18	07	25	21	53	53	1560	52
18	Int Ia 44 to End 18 Ft Sec	9.25	Paved	18	07	28	23	58	58	1833	56
18	End 18 Ft Sec to Jct US 169	.28	Paved	26	07	35	35	77	77	1889	75
18	Jct US 169 to End 26 Ft Sec	.12	Paved	26	30	35	35	100	100	1404	100
18	End 26 Ft Sec to Jct Ia 226	9.32	Paved	18	07	18	16	41	41	1798	42
18	Jct Ia 226 to WCL Wesley	2.49	Paved	18	07	24	23	54	54	1650	53
18	ECL of Wesley to Hancock Co Line	.77	Paved	20	25	29	31	85	85	1862	84
Hancock County											
18	Kossuth Co Line to End of 20 Ft Section	6.05	Paved	20	28	32	30	90	90	1750	89
18	End 20 Ft Sec to WCL Britt	1.99	Paved	18	07	28	23	58	58	1885	56
18	ECL of Britt to West Jct US 69	8.05	Paved	18	07	16	04	27	27	2386	24
18	West Jct US 69 to Begin 24 Ft Sec	.42	Paved	18	Under Construction					4074	
18	Begin 24 Ft Sec to East Jct US 69	.54	Paved	24	30	35	34	99	99	4074	98
18	East Jct US 69 to Cerro Gordo Co Line	6.12	Paved	24	30	35	35	100	100	3022	100
Cerro Gordo County											
18	Hancock Co Line to WCL Clear Lake	4.95	Paved	24	30	34	34	98	98	2949	99
18	ECL Clear Lake to End 22 Ft Section	3.95	Paved	22	26	25	24	75	75	5127	68
18	End 22 Ft Sec to Begin 22 Ft Sec	1.06	Paved	20	23	23	16	62	62	5160	52
18	Begin of 22 Ft Sec to WCL of Mason City	.95	Paved	22	30	25	21	76	76	5160	68
18	ECL Mason City to Urban Area Line	1.00	Paved	24	30	31	30	91	91	2398	90
18	Urban Area Line to Floyd Co Line	5.98	Paved	24	30	33	32	95	95	2193	94

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Floyd County											
18	ECL of Nora Springs to Jct Ia 147	2.53	Paved	22	26	24	26	76	76	2079	74
18	Jct Ia 147 to NCL of Rudd	2.50	Paved	22	26	30	19	75	75	1891	76
18	ECL of Rudd to End of Asph Conc Sec	4.04	Paved	22	26	35	31	92	92	1834	92
18	End Asph Conc Sec to End of Conc Sec	.27	Paved	22	26	35	30	91	91	1834	91
18	End Conc Sec to WCL of Floyd	1.29	Paved	22	26	35	29	90	90	1834	90
18	SCL of Floyd to North Jct US 218	.55	Paved	23	28	35	27	90	90	1507	90
18	North Jct US 218 to End of 22 Ft Sec	4.09	Paved	22	26	30	17	73	73	2786	70
18	End 22 Ft Sec to WCL of Charles City	1.00	Paved	18	30	24	23	77	77	2904	74
18	ECL of Charles City to Chickasaw Co Line	5.01	Paved	18	21	27	21	69	69	1101	70
Chickasaw County											
18	Floyd Co Line to WCL of Bassett	2.05	Paved	20	28	24	26	78	78	1083	79
18	ECL of Bassett to Jct Ia 393	2.77	Paved	20	28	27	26	81	81	1036	82
18	Jct Ia 393 to End 20 Ft Section	4.01	Paved	20	28	25	27	80	80	1180	81
18	End 20 Ft Section to WCL of New Hampton	2.73	Paved	24	18	31	27	76	76	1634	75
18	SCL of New Hampton to Sec 19 95 12W	1.00	Paved	24	27	35	35	97	97	2153	96
18	Sec 19 95 12W to South Jct US 63	4.55	Paved	24	18	29	29	76	76	2068	73
18	South Jct US 63 to WCL of Fredericksburg	5.75	Paved	18	24	24	22	70	70	1444	69
18	ECL of Fredericksburg to Fayette Co Line	5.53	Paved	20	25	31	26	82	82	963	84
Fayette County											
18	Chickasaw Co Line to Jct Ia 193	1.97	Paved	20	26	30	27	83	83	807	85
18	Jct Ia 193 to Jct Ia 102	4.54	Paved	20	26	29	27	82	82	835	85
18	Jct Ia 102 to WCL of West Union	6.51	Paved	18	12	27	21	60	60	886	63
18	ECL of West Union to WCL of Clermont	7.85	Paved	18	20	20	16	56	56	2075	53
18	ECL of Clermont to Clayton Co Line	4.59	Paved	18	23	21	20	64	64	990	66

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
		Clayton County									
18	Fayette Co Line to Allamakee Co Line	1.48	Paved	18	13	29	22	64	64	955	67
		Allamakee County									
18	Clayton Co Line to West Jct US 52	.83	Paved	18	23	21	26	70	70	955	72
18	West Jct 52 WCL Postville	.43	Paved	18	23	23	13	59	59	2236	56
		Clayton County									
18	Allamakee Co Line to WCL Luana	5.47	Paved	18	13	26	17	56	56	1891	54
18	ECL Luana to WCL Monona	2.40	Paved	18	13	24	19	56	56	2086	53
18	SCL Monona to East Jct US 52	5.30	Paved	18	13	25	16	54	54	1859	53
18	East Jct US 52 to Jct Ia 13	.51	Paved	18	13	28	26	67	67	689	71
18	Jct Ia 13 to WCL McGregor	6.17	Paved	18	13	24	13	50	50	1248	50
		276.10*									
		Clayton County									
19	Delaware Co Line to Jct Ia 3	2.43	Bit. S.T.	22	18	27	27	72	72	394	79
		2.43*									
		Woodbury County									
20	ECL of Sioux City to Connection to Lawton	7.59	Paved	24	30	34	31	95	95	3036	94
20	Connection to Lawton to Begin 20 Ft Sec	5.22	Paved	24	30	33	29	92	92	2753	91
20	Begin 20 Ft Sec to Jct Ia 140	.47	Paved	20	25	29	24	78	78	2753	75
20	Int Ia 140 to West Jct 31	14.45	Paved	20	21	24	21	66	66	1784	64
20	West Jct Ia 31 to East Jct Ia 31	.83	Paved	20	21	22	26	69	69	1953	67
20	East Jct Ia 31 to WCL of Cushing	5.70	Paved	20	21	11	17	49	49	2058	47

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Ida County											
20	Woodbury Co Line to West Jct US 59	6.60	Paved	18	30	25	22	77	77	1733	76
20	West Jct US 59 to East Jct US 59	1.28	Paved	20	30	26	23	79	79	2226	77
20	East Jct US 59 to Jct Ia 328	5.29	Paved	20	30	29	25	84	84	1444	84
20	Jct Ia 328 to Sac Co Line	4.83	Paved	20	30	28	26	84	84	1320	84
Sac County											
20	Ida Co Line to Jct Ia 110	1.62	Paved	20	30	25	24	79	79	1392	78
20	Jct Ia 110 to North Jct US 71	7.40	Paved	20	30	30	26	86	86	1553	86
20	North Jct US 71 to NCL of Early	.43	Paved	18	Under Construction					2452	
20	SCL of Early to South Jct US 71	2.29	Paved	18	Under Construction					2829	
20	South Jct US 71 to WCL of Sac City	6.54	Paved	18	Under Construction					1601	
20	ECL of Sac City to Jct Ia 196	.95	Paved	20	30	28	26	84	84	1916	85
20	Jct Ia 196 to WCL of Lytton	4.50	Paved	20	30	30	29	89	89	1399	88
Calhoun County											
20	ECL of Lytton to West Jct Ia 17	10.12	Paved	20	21	31	28	80	80	1225	81
20	West Jct Ia 17 to East Jct Ia 17	.88	Paved	20	21	27	25	73	73	2017	71
20	East Jct Ia 17 to WCL of Rockwell City	.12	Paved	20	21	27	27	75	75	2328	72
20	ECL Rockwell City to Webster Co Line	11.00	Paved	24	17	24	29	70	70	2061	67
Webster County											
20	Calhoun Co Line to WCL Moorland	5.23	Paved	24	22	31	32	85	85	1974	84
20	NCL of Moorland to Urban Area Line	3.10	Paved	24	22	30	32	84	84	2479	82
20	Urban Area Line to West Jct US 169	1.58	Paved	24	22	30	32	84	84	2479	82
20	West Jct US 169 to WCL Ft Dodge	.92	Paved	24	22	27	28	77	77	6575	68
20	ECL Ft Dodge to Urban Area Line	1.00	Paved	24	18	32	33	83	83	3379	79
20	Urban Area Line to Hamilton Co Line	9.84	Paved	24	19	26	31	76	76	3376	71

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Hamilton County											
20	Webster Co Line to West Jct Ia 60	3.13	Paved	24	22	29	32	83	83	2802	80
20	West Jct Ia 60 to WCL Webster City	2.76	Paved	24	22	30	33	85	85	3720	81
20	ECL Webster City to Int US 69	8.44	Paved	24	22	27	31	80	80	3141	77
20	Int US 69 to SCL of Williams	5.57	Paved	18	Under Construction					1712	
20	NCL of Williams to Hardin Co Line	4.20	Paved	18	Under Construction					1348	
Hardin County											
20	Hamilton Co Line to WCL of Alden Jct 359	6.10	Paved	18	Under Construction					1385	
20	ECL of Alden to WCL of Ia Falls	4.29	Paved	18	Under Construction					1704	
20	WCL Ia Falls to North Jct US 65	4.21	Paved	24	22	29	27	78	78	3151	74
20	North Jct US 65 to WCL of Ackley	7.18	Paved	18	Under Construction					1862	
20	ECL of Ackley to Grundy Co Line	.77	Paved	18	Under Construction					1682	
Grundy County											
20	Hardin Co Line to Butler Co Line	3.45	Paved	18	Under Construction					1644	
Butler County											
20	Grundy Co Line to WCL of Aplington	5.46	Paved	18	Under Construction					1577	
20	ECL of Aplington to WCL of Parkersburg	3.88	Paved	18	Under Construction					1527	
20	SCL of Parkersburg to Jct Ia 14	.88	Paved	18	Under Construction					1854	
20	South Jct Ia 14 to Grundy Co Line	7.83	Paved	18	Under Construction					1724	
Grundy County											
20	Butler Co Line to Blackhawk Co Line	4.89	Paved	18	Under Construction					2098	

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Black Hawk County											
20	Grundy Co Line to Urban Area Line	3.45	Paved	18						3281	
20	Urban Area Line to WCL of Cedar Falls	1.15	Paved	18						3281	
20	ECL of Waterloo to Urban Area Line	1.00	Paved	18	13	24	20	57	57	3727	50
20	Urban Area Line to Begin Widened Section	4.25	Paved	18	13	18	16	47	47	3727	40
20	Begin Widened Section to End Widened Sec	.27	Paved	24	30	33	35	98	98	3727	98
20	End of Widened Section to Jct Ia 281	1.00	Paved	18	16	25	17	58	58	2985	53
20	Jct Ia 281 to Buchanan Co Line	5.03	Paved	18	13	17	04	34	34	3879	28
Buchanan County											
20	Black Hawk Co Line to NCL Jesup	.88	Paved	18	15	22	16	53	53	3085	47
20	SCL Jesup to Jct Ia 248	7.19	Paved	18						2985	
20	Jct Ia 248 to WCL Independence	.78	Paved	18						3155	
20	ECL Independence to Jct Ia 282	6.69	Paved	18						3926	
20	Jct Ia 282 to Jct Ia 187	5.44	Paved	18						2254	
20	Jct Ia 187 to Delaware Co Line	2.47	Paved	18						1947	
Delaware County											
20	Buchanan Co Line to WCL of Manchester	7.42	Paved	18						2019	
20	WCL of Manchester to Jct Ia 116	2.01	Paved	18						2600	
20	Jct Ia 116 to West Jct Ia 38	3.00	Paved	18						2485	
20	West Jct Ia 38 to East Jct Ia 38	.04	Paved	18						2148	
20	East Jct Ia 38 to WCL of Earlville	3.28	Paved	18						2286	
20	ECL of Earlville to WCL of Dyersville	6.09	Paved	18	13	20	15	48	48	2199	45

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Dubuque County											
20	ECL of Dyersville to WCL of Farley	5.02	Paved	18	13	19	10	42	42	2368	39
20	ECL of Farley to WCL of Epworth	2.74	Paved	18	12	14	14	40	40	2389	37
20	ECL of Epworth to WCL of Centralia	4.96	Paved	18	11	16	12	39	39	2419	36
20	NCL of Centralia to Begin 22 Ft Sec	5.08	Paved	18	10	18	13	41	41	2634	37
20	Begin 22 Ft Sec to WCL of Dubuque	1.67	Paved	22	20	26	24	70	70	2761	67
		273.72*									
Keokuk County											
21	Jct Ia 92 to SCL of What Cheer	3.75	Paved	22	26	33	28	87	87	822	88
21	NCL of What Cheer to End of Conc Sec	.05	Paved	26	26	35	25	86	86	660	88
21	End of Conc Sec to Jct Ia 22	2.95	Bit. S.T.	24	23	32	28	83	83	630	86
21	Jct Ia 22 to Poweshiek Co Line	3.96	Bit. S.T.	24	23	28	27	78	78	480	83
Poweshiek County											
21	Keokuk Co Line to End of Bit Section	4.61	Bit. S.T.	24	26	28	28	82	82	490	86
21	End Bit Sec to SCL Deep River	.74	Gravel	38	28	35	34	97	77	600	81
21	NCL Deep River to Sec 34 79 13W	2.50	Gravel	30	14	25	18	57	47	340	57
21	Sec 34 79 13W to SCL Guernsey	3.50	Gravel	30	14	17	18	49	39	320	49
21	NCL Guernsey to West Jct US 6	6.10	Gravel	30	14	25	14	53	47	210	60
21	West Jct Ia 6 to WCL Victor	.84	Paved	18	19	24	25	68	68	2750	64
Iowa County											
21	NCL of Victor to South Jct Ia 212	8.47	Gravel	33	09	25	13	47	31	465	37
21	South Jct Ia 212 to Benton Co Line	1.12	Paved	22	27	23	28	78	78	1570	77
Benton County											
21	Iowa Co Line to Begin 18 Ft Conc Section	.45	Paved	22	17	25	24	66	66	1570	65
21	Begin 18 Ft Conc Section to SCL of Belle Plaine	1.12	Paved	18	17	29	25	71	71	1570	70

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Benton County (Cont'd)											
21	WCL of Belle Plaine to North Jct of Ia 212	.70	Paved	18	17	27	27	71	71	1419	70
21	North Jct Ia 212 to Int US 30	4.93	Bit. Pcn.	22	17	33	29	79	79	548	83
21	Int US 30 to Ia 171	3.29	Bit. Pcn.	22	17	30	28	75	75	428	81
21	Jct Ia 171 to Jct Ia 318	4.97	Bit. Pcn.	22	17	31	28	76	76	389	82
21	Jct Ia 318 to Begin Pen Sec	6.50	Mix. Bit.	22	17	26	28	71	71	452	77
21	Begin Pen Section to Jct Ia 8	.56	Bit. Pcn.	22	17	29	32	78	78	452	83
		61.13									
Keokuk County											
22	Jct Ia 21 to WCL of Keswick	5.73	Gravel	32	Under Construction					280	
22	SCL of Keswick to WCL of Webster	4.02	Gravel	34	16	30	22	66	52	400	64
22	ECL of Webster to WCL of South English	3.57	Paved	18	19	24	22	65	65	1050	66
22	WCL of South English to End Bit Sec	.06	Bit. S.T.	22	Under Construction					1050	
22	End of Bit Sec to WCL of Kinross	4.89	Gravel	32	Under Construction					425	
22	ECL of Kinross to Washington Co Line	2.23	Gravel	32	Under Construction					450	
Washington County											
22	Keokuk Co Line to WCL of Wellman	5.31	Gravel	26	Under Construction					460	
22	WCL Wellman to WCL of Kalona	6.14	Paved	22	29	25	33	87	87	800	88
22	WCL Kalona to WCL Riverside	6.04	Gravel	34	16	29	28	73	55	540	61
22	WCL Riverside to Int US 218	1.80	Paved	18	20	32	28	80	80	640	84
22	Int US 218 to Johnson Co Line	2.06	Bit. S.T.	24	24	31	31	86	86	625	89
Johnson County											
22	Washington Co Line to WCL of Lone Tree	4.62	Bit. S.T.	24	24	34	28	86	86	670	88
22	SCL of Lone Tree to Begin Gravel	.13	Bit. S.T.	21	12	35	24	71	71	650	76
22	Begin Gravel Sec to Muscatine Co Line	2.87	Gravel	32	14	29	30	73	57	460	65

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Muscatine County											
22	Johnson Co Line to WCL of Nichols	3.22	Gravel	30	12	28	23	63	47	480	54
22	ECL of Nichols to East Jct Ia 76	2.83	Paved	22	27	32	32	91	91	505	93
22	East Jct Ia 76 to WCL of Muscatine	9.90	Bit. S.T.	22	21	29	26	76	76	810	78
22	NCL of Muscatine to North Jct Ia 38	.67	Paved	18	20	22	22	64	64	2249	61
22	North Jct Ia 38 to Begin Bit Sec	10.93	Gravel	22	Under Construction					491	
22	Begin Bit Sec to End Bit Sec	.26	Bit. S.T.	22	Under Construction					491	
22	Begin Gravel Sec to Scott Co Line	4.91	Gravel	22	Under Construction					491	
Scott County											
22	Muscatine Co Line to WCL of Blue Grass	1.14	Gravel	24	Under Construction					485	
22	ECL of Blue Grass to WCL of Deavenport	6.33	Paved	18	13	25	16	54	54	866	58
		89.76*									
Van Buren County											
23	Missouri St Line to SCL of Milton	4.22	Mix. Bit.	22	27	33	25	85	85	326	88
		4.22*									
Chickasaw County											
24	ECL of New Hampton to WCL of Lawler	7.58	Paved	20	30	34	30	94	94	732	95
24	ECL of Lawler to Winneshiek Co Line	3.39	Paved	22	30	31	30	91	91	455	93
Winneshiek County											
24	Chickasaw Co Line to WCL of Jackson Jct	.52	Paved	22	30	35	27	92	92	423	94
24	ECL of Jackson Jct to SCL of Ft Atkinson	5.17	Paved	22	30	34	33	97	97	492	97
24	NCL Ft Atkinson to WCL of Calmar	3.77	Paved	20	30	30	25	85	85	758	87
		20.43*									

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Ringgold County											
25	Missouri State Line to Jct Ia 357	3.21	Gravel	32	23	30	25	78	78	90	91
25	Jct Ia 357 to South Jct Ia 2	4.22	Gravel	37	23	28	28	79	69	327	78
25	South Jct Ia 2 to Begin 20 Ft Sec	1.07	Paved	18	24	29	22	75	75	1100	76
25	Begin 20 Ft Sec to North Jct Ia 2	1.10	Paved	20	24	30	25	79	79	1100	81
25	North Jct Ia 2 to Union Co Line	13.24	Gravel	34	23	31	26	80	70	349	78
Union County											
25	Ringgold Co Line to West Jct US 34	5.48	Gravel	36	23	31	27	81	73	256	82
25	West Jct US 34 to Jct Ia 265	.97	Paved	18	22	25	18	65	65	1919	63
25	Jct Ia 265 to SCL Creston	5.87	Paved	18	19	26	20	65	65	1988	63
25	NCL of Creston to End Conc Sec	.03	Paved	20	24	25	23	72	72	371	79
25	End Conc Sec to Adair Co Line	7.90	Bit. Pen	24	19	31	26	76	76	371	83
Adair County											
25	Union Co Line to Begin Paved Section	2.76	Bit. Pen.	24	21	31	26	78	78	1090	79
25	Begin Paved Sec to SCL of Orient	.12	Paved	24	24	33	32	89	89	1090	90
25	WCL Orient to End Paved Section	.25	Paved	18	24	29	26	79	79	1000	80
25	End of Paved Sec to SCL of Greenfield	7.87	Bit. Pen.	24	24	32	27	83	83	825	85
25	NCL of Greenfield to Guthrie Co Line	12.95	Gravel	38	Under Construction					451	
Guthrie County											
25	Adair Co Line to East Jct US 6	1.19	Gravel	39	Under Construction					400	
25	East Jct US 6 to West Jct US 6	3.67	Paved	18	23	22	19	64	64	1763	63
25	West Jct US 6 to Begin Paved Sec	.22	Gravel	46	23	35	17	75	68	278	78
25	Begin Paved Sec to SCL of Guthrie Center	10.66	Paved	24	28	28	28	84	84	304	90
25	NCL of Guthrie Co Line to Jct Ia 384	6.79	Gravel	35	21	30	29	80	68	385	76
25	Jct Ia 384 to South Jct Ia 141	4.79	Gravel	30	21	33	28	82	76	250	84
25	South Jct Ia 141 to End Conc Sec	2.49	Paved	22	27	35	31	93	93	656	95

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Guthrie County (Cont'd)											
25	End Conc Sec to Jct Ia 361	.56	Paved	24	23	35	24	82	82	656	85
25	Jct Ia 361 to End Conc Sec	.30	Paved	18	22	28	21	71	71	810	72
25	End Conc Sec to Greene Co Line	.56	Bit. S.T.	24	22	33	32	87	87	810	88
Greene County											
25	Guthrie Co Line to North Jct Ia 141	1.00	Mix. Bit.	22	15	31	29	75	75	810	77
25	North Jct Ia 141 to SCL of Scranton	9.25	Paved	18	25	30	27	82	82	599	85
		108.52*									
Lyon County											
26	Jct US 18 to SCL of Inwood	.10	Bit. S.T.	22	30	33	32	95	95	400	96
26	NCL of Inwood to Jct Ia 9	8.42	Gravel	32				Under Construction		431	
		8.52*									
Lyon County											
27	ECL of Alvord to Jct US 75	6.40	Gravel	35				Under Construction		292	
		6.40*									
Warren County											
28	NCL Martensdale to SCL Norwalk	7.28	Paved	24	23	26	26	75	75	2700	71
28	NCL Norwalk to Polk Co Line	2.05	Paved	24	23	27	27	77	77	3500	72
Folk County											
28	Warren Co Line to Sec 31 78 24W	1.02	Paved	24	22	24	25	71	71	3500	65
28	Sec 31 78 24W to Jct Ia 123	1.40	Paved	24	22	27	30	79	79	4350	74
28	Jct Ia 123 to Begin 45 Ft Sec	2.42	Paved	20	29	21	20	70	70	6195	61
28	Begin 45 Ft Sec to Jct US 65 US 69	.08	Paved	45	29	35	26	90	90	6195	86
		14.25*									

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
29	Woodbury Co Line to Jct Ia 3	Flymouth County 16.52 16.52*	Mix. Bit.	22	21	21	22	64	64	397	73
		Harrison County									
30	Missouri River Bridge to Jct Ia 300	4.97	Paved	20	24	31	29	84	84	1635	83
30	Jct Ia 300 to WCL Missouri Valley	4.26	Paved	18	23	29	24	76	76	1749	75
30	WCL Missouri Valley to WCL Logan	6.75	Paved	18		Under Construction				3321	
30	WCL Logan to Jct Ia 39	3.65	Paved	18		Under Construction				3250	
30	Jct Ia 39 to SCL Woodbine	4.37	Paved	18		Under Construction				2834	
30	NCL of Woodbine to SCL Dunlap	8.45	Paved	18		Under Construction				2523	
30	NCL Dunlap to Crawford Co Line	.29	Paved	18	20	25	24	69	69	2496	66
		Crawford County									
30	Harrison Co Line to WCL of Dow City	7.03	Paved	18	16	25	21	62	62	2630	58
30	WCL of Dow City to WCL of Arion	1.23	Paved	18	16	18	20	54	54	2874	49
30	WCL of Arion to WCL of Denison	5.43	Paved	18	10	21	21	52	52	3050	46
30	WCL of Denison to WCL of Vail	7.28	Paved	18		Under Construction				2292	
30	WCL of Vail to Begin 24 Ft Sec	1.96	Paved	18		Under Construction				2159	
30	Begin 24 Ft Sec to Begin 18 Ft Sec	.44	Paved	24	30	30	26	86	86	2159	85
30	Begin 18 Ft Sec to WCL of Westside	2.15	Paved	18		Under Construction				2159	
		Carroll County									
30	Crawford Co Line to Jct Ia 285	2.63	Paved	18		Under Construction				2412	
30	Jct Ia 285 to WCL of Carroll	8.25	Paved	18		Under Construction				2657	
30	WCL of Carroll to End of Widened Sec	.07	Paved	38	30	35	34	99	99	3037	99
30	End of Widened Sec to Jct Ia 286	6.39	Paved	24	24	28	31	81	81	2845	83
30	Jct Ia 286 to Begin Relocation	3.76	Paved	24	24	29	31	84	84	2585	82
30	Begin Relocation to Greene Co Line	1.52	Paved	24	30	35	33	98	98	2585	98

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Greene County											
30	Carroll County Line to WCL Ralston	.39	Paved	24	29	35	35	99	99	2445	99
30	ECL Ralston to End of Relocation	3.05	Paved	24	29	35	32	96	96	2445	95
30	End Relocation to NCL Scranton	.32	Paved	18	19	21	17	57	57	2424	50
30	SCL of Scranton to End Conc Sec	.39	Paved	18	22	22	22	66	66	2308	63
30	Begin Asph Conc Sec to End Asph Conc Sec	3.93	Paved	18	24	19	22	65	65	2293	62
30	End Asph Conc Sec to WCL of Jefferson	3.98	Paved	18	22	11	08	41	41	3258	35
30	ECL Jefferson to South Jct Ia 144	6.40	Paved	18	19	16	11	47	47	3509	41
30	South Jct Ia 144 to SCL Grand Junction	.44	Paved	18	19	23	19	61	61	2723	57
30	ECL of Grand Jct to End 22 Ft Sec	1.12	Paved	22	19	27	25	71	71	2744	68
30	Begin 24 Ft Sec to Boone Co Line	1.89	Paved	24	30	35	32	97	97	2712	97
Boone County											
30	Greene Co Line to West Jct US 169	3.19	Paved	24	30	31	34	95	95	2697	95
30	West Jct US 169 to East Jct US 169	2.93	Paved	24	30	34	33	97	97	3478	96
30	East Jct US 169 to WCL of Ogden	.53	Paved	18	21	22	16	59	59	2607	56
30	ECL of Ogden to Begin Conc Sec	1.73	Paved	18	21	22	22	65	65	3870	59
30	Begin Conc Sec to WCL of Boone	4.10	Paved	18	22	23	20	65	65	4056	58
30	ECL of Boone to West Jct Ia 60	2.45	Paved	18	22	23	18	63	63	5000	55
30	West Jct Ia 60 to East Jct Ia 60	1.10	Paved	18	24	24	21	69	69	4675	62
30	East Jct Ia 60 to East of Rel in Sec 5 83 25W	1.25	Paved	18	24	23	24	71	71	4483	64
30	End of Relocation to Story Co Line	5.34	Paved	24	24	31	31	86	86	4410	82
Story County											
30	Boone Co Line to End Asph Conc	.85	Paved	24	24	31	29	84	84	4376	80
30	End Asph Conc Sec to Urban Area Line	.34	Paved	18	22	16	15	53	53	4376	45
30	Urban Area Line to WCL of Ames	.36	Paved	18	22	26	19	67	67	4376	60
30	ECL of Ames to End 48 Ft Section	.42	Paved	48	30	35	35	100	100	4997	100
30	End 48 Ft Sec to Urban Area Line	.08	Paved	24	30	35	35	100	100	4997	100
30	Urban Area Line to End 24 Ft Conc	1.58	Paved	24	30	34	33	97	97	4997	97

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Story County (Cont'd)											
30	End 24 Ft Conc Sec to Begin 24 Ft Asph Conc	1.68	Paved	24	24	34	31	89	89	4779	86
30	Begin 24 Ft Asph Conc to WCL of Nevada	3.32	Paved	24	23	28	31	82	82	4710	77
30	ECL of Nevada to End 18 Ft Conc Sec	3.17	Paved	18	22	21	11	54	54	4600	46
30	End 18 Ft Conc Sec to Sec 8 83 21W	2.35	Paved	18	24	25	22	71	71	4600	64
30	Sec 8 83 21W to Int US 65	1.00	Paved	18	23	23	20	66	66	4100	59
30	Int US 65 to Marshall Co Line	4.02	Paved	18	23	23	23	69	69	3707	63
Marshall County											
30	Story Co Line to Sec 9 83 20W	2.90	Paved	18	24	21	24	69	69	3701	64
30	Sec 9 83 20W to WCL of State Center	.46	Paved	18	24	17	12	53	53	3850	47
30	ECL of State Center to Sec 11 83 20W	.75	Paved	18	24	24	26	74	74	4221	68
30	Sec 11 83 20W to Begin 22 Ft Sec	5.59	Paved	18	24	23	20	67	67	4160	60
30	Begin 22 Ft Sec to Int Ia 64 Ia 330	.85	Paved	22	29	27	25	81	81	3663	77
30	Int Ia 64 Ia 330 to Urban Area Line	4.50	Paved	22	29	27	28	84	84	4921	79
30	Urban Area Line to Int Ia 14	1.00	Paved	22	29	28	28	85	85	4921	81
30	Int Ia 14 to Urban Area Line	.49	Paved	22	29	32	31	92	92	4947	89
30	Urban Area Line to End of 22 Ft Sec	3.09	Paved	22	29	31	29	89	89	4947	85
30	End of 22 Ft Sec to Jct Ia 146	2.88	Paved	24	29	35	33	97	97	4328	96
30	Jct Ia 146 to WCL of LeGrand	.08	Paved	45	30	35	35	100	100	4328	100
Tama County											
30	Marshall Co Line to Jct Ia 135	3.62	Paved	24	30	34	32	96	96	3229	95
30	Jct Ia 135 to WCL of Toledo	5.75	Paved	24	30	34	32	96	96	3200	95
30	ECL of Tama to Jct Old US 30	.20	Paved	24	30	35	35	100	100	3937	100
30	Jct Old US 30 to Jct Ia 212	5.11	Paved	24	29	29	32	90	90	4212	87
30	Jct Ia 212 to Benton Co Line	8.32	Paved	24	30	33	31	94	94	2822	93

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Benton County											
30	Tama Co Line Int Ia 21 to Jct Ia 131	2.98	Paved	24	22	27	29	78	78	2774	75
30	Jct Ia 131 to Jct Ia 200	2.01	Paved	24	30	35	33	98	98	2809	98
30	Jct Ia 200 to Jct Ia 82	5.99	Paved	24	30	33	32	95	95	3260	94
30	Jct Ia 82 to West Jct US 218	2.99	Paved	24	30	32	30	92	92	3440	90
30	West Jct US 218 to Jct Ia 280	2.95	Paved	24	30	33	32	95	95	4625	94
30	Jct Ia 280 to Jct Ia 201	2.00	Paved	24	29	33	32	94	94	4900	92
30	Jct Ia 201 to Jct Ia 279	3.98	Paved	24	30	22	24	76	76	5064	69
30	Jct Ia 279 to Linn Co Line	1.02	Paved	24	29	23	22	74	74	5339	67
Linn County											
30	Benton Co Line to End 24 Ft Sec	4.51	Paved	24	27	22	24	73	73	5402	65
30	End of 24 Ft Sec to Jct Ia 149 US 151	1.91	Paved	20	16	24	22	62	62	5188	53
30	Jct of Ia 149 US 51 to WCL of Cedar Rapids	.13	Paved	20	16	28	20	64	64	2834	61
30	SCL of Cedar Rapids to Jct Ia 84	.83	Paved	20	27	29	25	81	81	2450	79
30	Jct Ia 84 to Jct Ia 218	1.02	Paved	24	27	33	34	94	94	2250	93
30	Jct 218 to Urban Area Line	1.99	Paved	24	27	33	32	92	92	2540	91
30	Urban Area Line to Jct Ia 261	10.25	Paved	24	27	32	32	91	91	2540	90
30	Jct Ia 261 to Jct Ia 94	.68	Paved	24	27	33	31	91	91	2000	90
30	Jct Ia 94 to WCL of Lisbon	.25	Paved	24	27	27	27	81	81	2150	79
30	ECL of Lisbon to Cedar Co Line	.82	Paved	24	27	35	29	91	91	2930	90
Cedar County											
30	Linn Co Line to WCL Mechanicsville	5.49	Paved	24	22	34	31	87	87	3450	84
30	ECL Mechanicsville to End Asph Conc Sec	2.87	Paved	24	22	32	31	85	85	3300	82
30	End Asph Conc Sec to End Conc Sec	.38	Paved	24	26	35	30	91	91	3250	89
30	End Conc Sec to End Asph Conc Sec	.60	Paved	24	22	28	34	84	84	3250	81
30	End Asph Conc Sec to End Conc Sec	.17	Paved	24	26	31	32	89	89	3270	87
30	End Conc Sec to End Asph Conc Sec	.77	Paved	24	22	27	30	79	79	3270	75

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating	
					Structural Adequacy	Safety	Service	Total Basic				
Cedar County (Cont'd)												
30	End Asph Conc to WCL Stanwood	.17	Paved	24	26	35	35	96	96	3270	95	
30	ECL Stanwood to East Jct Ia 38	.46	Paved	24	22	35	30	87	87	3270	84	
30	East Jct Ia 38 to WCL Clarence	3.87	Paved	24	22	30	33	85	85	2225	84	
30	SCL Clarence to NCL Lowden	7.08	Paved	18	10	20	17	47	47	2377	43	
30	ECL Lowden to Clinton Co Line	1.27	Paved	18	10	20	14	44	44	2404	40	
Clinton County												
30	Cedar Co Line to WCL Wheatland	3.22	Paved	18	10	21	12	43	43	2483	39 ¹ / ₁₅	
30	ECL Wheatland To Begin 24 Ft Sec	2.84	Paved	18	10	22	20	52	52	2683	48	
30	Begin 24 Ft Sec to WCL Calamus	.85	Paved	24	23	35	34	92	92	2683	91	
30	ECL Calamus to NCL Grand Mound	5.55	Paved	24	23	34	29	86	86	2858	84	
30	ECL Grand Mound to WCL DeWitt	4.92	Paved	24	23	29	31	83	83	3345	79	
30	ECL DeWitt to Jct Ia 291	9.24	Paved	24	23	28	31	82	82	3305	78	
30	Jct Ia 291 to Jct Ia 391	1.27	Paved	24	23	33	34	90	90	3360	88	
30	Jct Ia 391 to South Jct US 67	4.54	Paved	24	23	30	31	84	84	3575	79	
30	South Jct US 67 to WCL Clinton	.22	Paved	24	23	23	27	73	73	6000	65	
		292.26*										
Woodbury County												
31	NCL of Smithland to SCL of Oto	3.90	Paved	22	25	34	29	88	88	372	91	
31	NCL of Oto to WCL of Anton	7.56	Gravel	36	26	30	26	82	66	484	73	
31	NCL of Anton to West Jct US 20	6.31	Gravel	34	Under Construction						395	
31	West Jct US 20 to East Jct US 20	.83	Paved	20	21	22	26	69	69	1953	67	
31	ECL of Correctionville to Ida Co Line	4.18	Paved	24	30	34	31	95	95	590	96	
Ida County												
31	Woodbury Co Line to Cherokee Co Line	2.82	Paved	24	30	28	30	88	88	550	90	

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating "adj. for Gravel Surface"	1953 Traffic	Adjusted Sufficiency Rating	
					Structural Adequacy	Safety	Service	Total Basic				
Cherokee County												
31	Ida Co Line to SCL of Washta	.52	Bit. S.T.	24	30	35	32	97	97	550	98	
31	NCL of Washta to SCL of Quimby	5.02	Bit. S.T.	24	30	35	31	96	96	450	97	
31	ECL of Quimby to Jct US 59	4.24	Bit. S.T.	24	30	32	27	89	89	544	91	
35 30*												
Dickinson County												
32	Jct US 71 to SCL of Wahpeton	1.40	Bit. Pen.	24	21	34	26	81	81	1429	81	
32	WCL of Wahpeton to SCL of West Okoboji	2.05	Bit. Pen.	24	21	34	27	82	82	1429	82	
32	WCL of West Okoboji to Jct Ia 9	4.08	Bit. Pen.	24	21	34	29	84	84	1348	84	
7.53*												
Plymouth County												
33	North Jct US 75 to Begin 20 Ft Sec	6.22	Paved	18	Under Construction						2388	
33	Begin 20 Ft Sec to Sioux Co Line	2.58	Paved	20	30	26	25	81	81	2257	79	
Sioux County												
33	Flymouth Co Line to SCL of Alton	5.64	Paved	20	30	24	24	78	78	2020	76	
33	West Jct Ia 10 to East Jct Ia 10	.33	Paved	20	30	18	21	69	69	2101	67	
33	East Jct Ia 10 to SCL of Hospers	7.35	Paved	20	30	31	27	88	88	1751	88	
33	NCL of Hospers to O'Brien Co Line	6.83	Paved	20	30	26	25	81	81	2050	79	
O'Brien County												
33	NCL of Sheldon to Osceola Co Line	5.09	Paved	20	30	32	30	92	92	1912	92	

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Osceola County											
33	O'Brien Co Line to SCL of Ashton	3.23	Paved	20	30	31	30	91	91	1938	91
33	NCL of Ashton to SCL of Sibley	5.76	Paved	20	30	24	26	80	80	2278	78
33	NCL of Sibley to Begin 22 Ft Sec	2.09	Paved	18	30	29	26	85	85	1891	83
33	Begin 22 Ft Sec to Int Ia 9	.16	Paved	22	30	35	34	99	99	772	99
33	Int Ia 9 to Minnesota State Line	5.07	Paved	22	30	35	32	97	97	438	97
		50.35*									
Mills County											
34	Missouri R Toll Br to Jct Ia 385	5.80	Paved	20	24	31	28	83	83	1072	84
34	Jct Ia 385 to SCL of Glenwood	1.55	Paved	20	24	32	24	80	80	1366	80
34	ECL of Glenwood to Sec 12 72 43W	.20	Paved	18	18	05	05	28	28	3737	23
34	Sec 12 72 43W to East Jct US 275	3.75	Paved	18	23	18	11	52	52	3737	45
34	Last Jct US 275 to Jct Ia 242	1.55	Paved	18	24	20	16	60	60	2431	56
34	Jct Ia 242 to Jct Ia 41	3.01	Paved	18	23	16	12	51	51	2515	47
34	Jct Ia 41 to Begin 22 Ft Section	3.77	Paved	18	24	17	20	61	61	2450	57
34	Begin 22 Ft Sec to End 22 Ft Sec	.37	Paved	22	26	30	31	87	87	2645	85
34	End 22 Ft Sec to Begin 22 Ft Sec	.24	Paved	18	25	24	24	73	73	2645	70
34	Begin 22 Ft Sec to Jct Ia 166	.13	Paved	22	26	31	31	88	88	2645	86
34	Jct Ia 166 to WCL of Emerson	5.26	Paved	18	22	19	15	56	56	2500	52
34	ECL of Emerson to Montgomery Co Line	.72	Paved	18	22	18	18	58	58	2244	55
Montgomery County											
34	Mills Co Line to WCL of Red Oak	7.74	Paved	18	21	14	19	54	54	2427	50
34	ECL of Red Oak to Jct Ia 120	6.00	Paved	18	22	11	14	47	47	2491	43
34	Jct Ia 120 to North Jct US 71	5.75	Paved	18	22	13	19	54	54	2436	50
34	North Jct US 71 to South Jct US 71	.31	Paved	18	22	22	10	54	54	2493	50
34	South Jct US 71 to Adams Co Line	3.96	Paved	18	22	22	13	57	57	1710	56

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Adams County											
34	Montgomery Co Line to Jct Ia 155	1.68	Paved	18	20	25	20	65	65	1710	64
34	Jct Ia 155 to WCL of Corning	8.36	Paved	18	20	21	18	59	59	1843	57
34	SCL of Corning to Jct Ia 186	6.75	Paved	18	22	27	22	71	71	1837	69
34	Jct Ia 186 to Jct Ia 49	2.12	Paved	18	22	26	20	68	68	1760	67
34	Jct Ia 49 to Union Co Line West Jct Ia 25	4.89	Paved	18	22	22	21	65	65	1750	64
Union County											
34	West Jct Ia 25 to Jct Ia 265	.97	Paved	18	22	25	18	65	65	1919	63
34	Jct Ia 265 to SCL of Creston	5.87	Paved	18	19	26	20	65	65	1988	63
34	ECL of Creston to WCL Afton	8.11	Paved	24	21	26	26	73	73	2900	69
34	ECL of Afton to East Jct US 169	5.50	Paved	18	24	21	22	67	67	1853	65
34	East Jct US 169 to WCL of Thayer	1.61	Paved	18	22	23	15	60	60	1488	59
34	ECL of Thayer to Clarke Co Line	1.79	Paved	18	22	19	18	59	59	1254	59
Clarke County											
34	Union Co Line to Jct Ia 152	3.67	Paved	18	22	25	18	65	65	1254	66
34	Jct Ia 152 to WCL of Osceola	8.90	Paved	18	22	26	20	68	68	1148	69
34	ECL of Osceola to Jct Ia 104	8.57	Paved	18	22	23	13	58	58	1609	57
34	Jct Ia 104 to Lucas Co Line	1.82	Paved	18	19	27	20	66	66	1334	66
Lucas County											
34	Clarke Co Line to WCL of Lucas	4.52	Paved	18	14	21	14	49	49	2260	46
34	ECL of Lucas to WCL of Chariton	7.01	Paved	18	17	19	18	54	54	2076	51
34	ECL of Chariton to Jct Ia 97	5.38	Paved	18	18	22	16	56	56	2076	53
34	Jct Ia 97 to Monroe Co Line	4.53	Paved	18	20	28	22	70	70	1730	69

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Monroe County											
34	Lucas Co Line to Jct Ia 68	2.25	Paved	18	18	26	18	62	62	1730	61
34	Jct Ia 68 to WCL of Albia	13.99	Paved	18	17	22	13	52	52	1669	51
34	ECL of Albia to End Asph Conc Section	1.40	Paved	18	18	18	18	54	54	2148	51
34	End Asph Conc Sec to Wapello Co Line	6.56	Paved	18	17	15	13	45	45	2148	42
Wapello County											
34	Monroe Co Line to Urban Area Line	9.47	Paved	18	15	15	11	41	41	2268	38
34	Urban Area Line to WCL of Ottumwa	1.56	Paved	18	15	14	12	41	41	2268	38
34	ECL of Ottumwa to End of Divided Sec	1.19	Paved	48	30	34	35	99	99	3600	99
34	End of Divided Sec to WCL of Agency	2.88	Paved	24	30	31	31	92	92	3600	90
34	ECL of Agency to Jct Ia 16	3.20	Paved	24	30	33	32	95	95	2720	94
34	Jct Ia 16 to Jefferson Co Line	3.10	Paved	24	30	34	32	96	96	2415	96
Jefferson County											
34	Wapello Co Line to WCL of Batavia	.32	Paved	24	30	35	27	92	92	2275	90
34	ECL of Batavia to Jct Ia 303	6.39	Paved	24	30	30	31	91	91	2593	90
34	Jct Ia 303 to Urban Area Line	2.47	Paved	24	30	30	31	91	91	2840	90
34	Urban Area Line to WCL of Fairfield	1.00	Paved	48	30	35	35	100	100	2840	100
34	ECL of Fairfield to Urban Area Line	.61	Paved	24	30	31	34	95	95	1900	94
34	Urban Area Line to End 29 Ft Section	.49	Paved	24	30	35	31	96	96	1900	95
34	End 24 Ft Sec to WCL of Lockridge	9.13	Paved	18	16	25	18	59	59	1900	57
34	ECL of Lockridge to Henry Co Line	1.42	Paved	18	16	23	12	51	51	2180	48
Henry County											
34	Jefferson Co Line to Begin 20 Ft Section	.73	Paved	18	17	16	16	49	49	2180	47
34	Begin 20 Ft Sec to End 20 Ft Sec	.37	Paved	20	25	21	24	70	70	2135	67
34	End 20 Ft Sec to Jct Ia 129	.89	Paved	18	20	30	25	75	75	2185	72
34	Jct Ia 129 to Urban Area Line	6.43	Paved	18	16	17	13	46	46	2232	42

-55-

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Henry County											
34	Urban Area Line to WCL Mt Pleasant	.43	Paved	16	16	21	20	57	57	2232	54
34	ECL Mt Pleasant WCL New London	6.94	Paved	24	30	34	29	93	93	3131	69
34	ECL New London to Des Moines Co Line	1.42	Paved	24	30	35	35	100	100	3200	100
Des Moines County											
34	Henry Co Line to Begin Asph Conc Sec	.36	Paved	24	30	35	35	100	100	3225	100
34	Begin Asph Conc Sec to WCL of Danville	3.54	Paved	24	30	35	35	100	100	3225	100
34	ECL of Danville to End 24 Ft Conc Sec	.29	Paved	24	30	35	35	100	100	3420	100
34	End 24 Ft Conc Sec to WCL of Middletown	3.32	Paved	24	30	35	34	99	99	3420	99
34	ECL of Middleton to Jct Ia 80	2.40	Paved	40	26	35	34	95	95	4630	92
34	Jct Of Ia 80 to Urban Area Line	1.43	Paved	40	26	35	34	95	95	3660	94
34	Urban Area Line to WCL of West Durlington	.54	Paved	40	26	35	34	95	95	2615	94
34	ECL of West Durlington to WCL of Durlington	.76	Paved	44	24	35	35	94	94	4050	92
		239.71*									
Hancock County											
35	NCL Garner to Jct US 18	.06	Paved	24	23	35	33	91	91	1919	90
Sac County											
36	NCL of Wall Lake to Jct US 71	2.74	Paved	13	30	26	22	78	78	775	81
		2.74*									
Monona County											
37	ECL of Onawa to WCL of Turin	4.74	Paved	20	30	28	29	87	87	999	88
37	ECL of Turin to East Jct Ia 175	.44	Bit. S.T.	22	22	26	31	83	83	924	85
37	East Jct Ia 175 to WCL of Soldier	9.78	Bit. S.T.	22	30	29	27	86	86	611	89
37	ECL of Soldier to Begin 28 Ft Section	.35	Gravel	28	30	33	32	95	75	571	79
37	Begin 28 Ft Sec to Crawford Co Line	8.23	Gravel	28	30	25	23	78	60	532	66

-95-

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
37	Monona Co Line to Harrison Co Line	3.94	Gravel	42	30	35	32	97	79	550	83
37	Crawford Co Line to NCL Dunlap	.38	Gravel	32	26	29	33	90	72	550	77
37	ECL Dunlap to Shelby Co Line	2.66	Gravel	40	22	32	29	83	73	341	80
			Shelby County								
37	Harrison Co Line to Jct Ia 191	9.63	Gravel	35	22	31	24	77	71	240	81
37	Jct Ia 191 to WCL of Earling	.07	Gravel	32	22	35	30	87	79	289	87
37	ECL of Earling to Jct US 59	4.62	Bit. Pen.	24	22	23	27	72	72	237	82
		44.84*									82
			Muscatine County								
38	NCL Muscatine to North Jct Ia 22	.67	Paved	18	20	22	22	64	64	2240	61
38	North Jct Ia 22 to South Jct US 6	8.56	Paved	18	16	25	23	64	64	1790	63
38	South Jct US 6 to North Jct US 6	1.23	Paved	24	16	22	19	57	57	3160	51
38	North Jct US 6 to Cedar Co Line	.68	Gravel	32	17	31	25	73	59	450	67
			Cedar County								
38	Muscatine Co Line to Jct Ia 1	9.31	Gravel	30	16	27	21	64	54	332	64
38	Jct Ia 1 to SCL Tipton	6.25	Gravel	30	12	29	26	64	46	528	56
38	NCL Tipton to East Jct US 30	7.73	Paved	18	17	27	19	63	63	1452	63
38	East Jct US 30 to ECL Stanwood	.46	Paved	24	22	35	30	87	87	3270	84
38	NCL Stanwood to Jones Co Line	3.27	Paved	22	29	33	29	91	91	465	93
			Jones County								
38	Cedar Co Line to SCL Olin	3.34	Bit. S.T.	22	29	32	24	85	85	439	89
38	NCL Olin to West Jct Ia 64	4.56	Bit. S.T.	25	19	26	19	64	64	678	69
38	West Jct Ia 64 to East Jct Ia 64	2.01	Paved	18	16	21	22	59	59	1802	57
38	East Jct Ia 64 to WCL of Center Jct	3.64	Paved	22	26	27	30	83	83	135	92

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Jones County (Cont'd)											
38	ECL Center Jct to Begin Bit. Sec	4.85	Gravel	32	14	27	18	59	51	275	63
38	Begin Bit Sec to End Bit Sec	.33	Paved	24	14	10	10	34	34	389	42
38	End Bit Sec to ECL Monticello	6.05	Gravel	32	09	20	17	46	32	389	40
38	NCL Monticello to Delaware Co Line	3.30	Paved	18	22	21	23	66	66	780	69
Delaware County											
38	Jones Co Line to ECL of Hopkinton	5.17	Paved	18	24	30	27	81	81	741	84
38	NCL Hopkinton to Begin Bit Sec	3.64	Paved	22	29	29	29	87	87	463	90
38	Begin Bit Sec to Beg Conc Sec	.51	Bit. S.T.	24	11	26	23	60	60	463	66
38	Begin Conc Sec to ECL of Delhi	2.83	Paved	22	30	34	39	93	93	409	95
38	NCL of Delhi to SCL of Delaware	2.48	Paved	18	25	27	22	74	74	791	77
38	NCL of Delaware to West Jct of US 20	.86	Paved	18	25	22	26	73	73	2148	70
38	West Jct US 20 to East Jct US 20	.04	Paved	18	Under Construction					2148	
38	East Jct US 20 to SCL of Greeley	6.32	Gravel	26	Under Construction					268	
38	NCL of Greeley to Jct Ia 3	3.15	Gravel	26	Under Construction					180	
		91.25*									
Harrison County											
39	Jct US 30 to Shelby Co Line	9.65	Bit. Pen.	22	19	26	26	71	71	517	76
Shelby County											
39	Harrison Co Line to WCL of Portsmouth	1.78	Paved	20	25	31	26	82	82	178	86
39	ECL of Portsmouth to WCL of Harlan	9.33	Paved	20	25	30	27	82	82	747	84
		20.76*									
Wayne County											
40	NCL of Allerton to Jct Ia 2	2.91	Bit. Pen.	24	14	27	27	68	68	710	72
		2.91*									

-25-

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
41	NCL of Malvern to Jct US 34	Mills County 1.45 1.45*	Paved	18	25	29	24	78	78	929	80
42	Jct US 275 to WCL of Riverton	Fremont County 4.19 4.19*	Mix. Bit.	22	08	24	28	60	60	245	72
43	WCL of Ringstead to Jct Ia 44	Emmet County .89 .89*	Bit. S.T.	24	19	33	30	82	82	729	85
44	Jct Ia 3 to WCL of Rolfe	Pocahontas County 5.51	Paved	20	30	34	32	96	96	685	97
44	NCL of Rolfe to Humboldt Co Line	9.28	Gravel	28	26	26	20	72	66	263	75
44	Pocahontas Co Line to Jct Ia 222	Humboldt County .40	Gravel	32	18	23	27	68	62	246	71
44	Jct Ia 222 to Kossuth Co Line	1.24	Gravel	30	Under Construction					223	
44	Humboldt Co Line to SCL West Bend	Kossuth County 3.18	Gravel	28	Under Construction					297	
44	NCL West Bend to Jct Ia 358	7.03	Paved	20	29	31	29	89	89	886	90
44	Jct Ia 358 to SCL Whittemore	1.48	Bit. S.T.	24	23	35	28	86	86	213	92
44	NCL Whittemore to Int US 18	1.05	Paved	24	17	33	29	79	79	739	82
44	Int US 18 to Emmet Co Line	16.01	Bit. S.T.	24	21	30	28	79	79	614	82

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Emmet County											
44	Kossuth Co Line to Jct Ia 43	1.87	Bit. S.T.	24	19	35	30	84	84	614	82
44	Jct Ia 43 to SCL of Armstrong	6.37	Bit. S.T.	24	19	34	30	83	83	795	85
44	NCL of Armstrong to Minnesota State Line	8.29	Bit. S.T.	24	17	34	30	81	81	734	84
		61.71*									
Crawford County											
45	NCL of Manilla to Jct Ia 141	1.10	Paved	18	30	32	29	81	81	702	93
		1.10*									
Polk County											
46	Jct Ia 60 to Begin 20 Ft Conc Sec	.12	Paved	24	07	35	30	72	72	2000	71
46	Begin 20 Ft Conc Sec to ECL of Des Moines	3.06	Paved	20	07	14	09	30	30	2000	28
		3.18*									
Butler County											
47	Jct Ia 14 to WCL of Allison	.02	Mix. Bit.	22	11	33	31	75	75	905	77
		.02*									
Page County											
48	NCL Shenandoah to SCL Essex	4.65	Paved	18	24	21	24	69	69	1920	67
48	NCL Essex to Montgomery Co Line	7.75	Paved	18	24	24	19	67	67	938	69
Montgomery County											
48	Page Co Line to SCL of Red Oak	6.69	Paved	18	24	22	19	65	65	996	67
48	NCL of Red Oak to WCL of Elliott	12.05	Bit. S.T.	24	21	25	26	72	72	981	74
48	ECL of Elliott to Cass Co Line	1.78	Bit. S.T.	24	21	21	21	63	63	747	67
Cass County											
48	Montgomery Co Line to SCL of Griswold	5.00	Mix. Bit.	24	22	28	30	80	80	484	86
48	NCL of Griswold to Jct US 6	5.57	Bit. S.T.	22	22	27	28	77	77	517	81
		43.49*									

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Taylor County											
49	ECL of Bedford to Begin 24 Ft Gravel	3.33	Gravel	41		Under Construction				300	
49	Begin 24 Ft Gravel to West Jct Ia 319	3.39	Gravel	41		Under Construction				216	
49	West Jct Ia 319 to East Jct Ia 319	1.53	Gravel	27		Under Construction				245	
49	East Jct Ia 319 to SCL of Lenox	12.58	Gravel	33	17	22	21	60	52	286	63
49	NCL of Lenox to Adams Co Line	.95	Bit. S.T.	22	20	33	28	81	81	345	87
Adams County											
49	Taylor Co Line to Jct US 34	5.66 27.44*	Bit. S.T.	24	20	26	27	73	73	371	80 ¹⁹
Webster County											
50	ECL Calendar to Begin Gravel Section	.11	Bit. S.T.	20	18	35	31	84	84	280	90
50	Begin Gravel Section to Int US 169	5.99	Gravel	22	16	29	22	67	65	142	81
50	Int US 169 to Jct Ia 121	4.95	Paved	22	30	34	34	98	98	410	98
50	Jct Ia 121 to WCL Lehigh	1.21 12.26*	Paved	22	30	35	31	96	96	449	97
Allamakee County											
51	NCL Postville to End Paved Section	2.76	Paved	18	24	29	22	75	75	700	79
51	End Paved Section to Begin Paved Section	10.60	Bit. Pen.	22	14	21	15	50	50	450	58
51	Begin Paved Section to Jct Ia 13	1.45 14.81*	Paved	18	25	31	24	80	80	526	84
Jackson County											
52	WCL Sabula to Jct Ia 64	.11	Paved	20	21	22	21	64	64	1819	62
52	Jct Ia 64 to South Jct US 67	.27	Gravel	32	15	35	33	83	71	382	87
52	Jct Ia 64 to Begin Gravel Sec	10.41	Paved	22	24	27	23	74	74	382	31
52	Begin Gravel Sec to Begin Paved Sec	1.64	Gravel	36	15	30	24	69	57	382	66
52	Begin Paved Sec to SCL Bellevue	6.90	Paved	22	25	28	29	82	82	382	87
52	NCL Bellevue to Dubuque Co Line	11.64	Paved	20	22	27	26	75	75	579	79

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Dubuque County											
52	Jackson Co Line to South Jct US 61	8.36	Paved	20	27	28	25	80	80	781	82
52	South Jct US 61 to SCL of Dubuque	.81	Paved	18	08	11	17	36	36	5423	27
52	NCL of Dubuque to South Jct Ia 386	1.01	Paved	20	09	24	24	57	57	3659	50
52	South Jct 386 to North Jct Ia 386	1.58	Paved	20	12	25	19	56	56	2759	53
52	North Jct Ia 386 to Begin 22 Ft Sec	.22	Paved	20	15	28	18	61	61	2306	58
52	Begin 22 Ft Sec to End 22 Ft Sec	.42	Paved	22	24	32	16	72	72	2306	69
52	End 22 Ft Sec to ECL of Durango	3.03	Paved	20	15	22	17	54	54	2306	51
52	NCL of Durango to End 20 Ft Sec	1.96	Paved	20	15	20	20	55	55	1827	53
52	End of 20 Ft Sec to ECL of Luxemburg	14.65	Paved	18	07	21	06	34	34	1743	33
52	NCL of Luxemburg to Clayton Co Line	2.74	Paved	18	10	32	20	53	53	1460	53
Clayton County											
52	Dubuque Co Line to SCL Guttenburg	9.34	Paved	18	12	22	18	52	52	1473	52
52	NCL Guttenburg to SCL Garnavillo	8.02	Paved	18	15	25	17	57	57	1700	56
52	NCL Garnavillo to Jct Ia 128	.68	Paved	18	14	21	18	53	53	1494	52
52	Jct Ia 128 to South Jct Ia 13	8.43	Paved	18	16	24	19	59	59	1173	61
52	South Jct Ia 13 to North Jct Ia 13	.25	Paved	18	16	21	18	55	55	1759	54
52	North Jct Ia 13 to Jct US 18	.67	Paved	18	16	22	18	56	56	1749	55
52	East Jct US 18 to SCL Monona	5.30	Paved	18	13	25	16	54	54	1859	53
52	WCL Monona to ECL Luana	2.40	Paved	18	13	24	19	56	56	2086	53
52	WCL Luana to Allamakee Co Line	5.47	Paved	18	13	26	17	56	56	1891	54
Allamakee County											
52	WCL Postville to West Jct US 18	.43	Paved	18	23	23	13	59	59	2236	56
52	West Jct US 18 to Winneshiek Co Line	1.38	Paved	18	24	26	19	69	69	1377	69

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Winneshiek County											
52	Allamakee Co Line to ECL of Castalia	3.45	Paved	18	19	26	09	54	54	1377	54
52	WCL of Castalia to ECL of Ossian	4.12	Paved	18	19	24	15	58	58	1223	59
52	WCL Ossian to ECL of Calmar	5.81	Paved	18	19	24	14	57	57	1233	53
52	NCL of Calmar to Jct 325	1.43	Paved	18	16	27	19	62	62	1825	61
52	Jct Ia 325 to South Jct Ia 9	7.46	Paved	18	13	18	10	41	41	2027	37
52	South Jct Ia 9 to WCL of Decorah	.07	Paved	18	13	24	23	60	60	2979	55
52	NCL of Decorah to Minn St Line	14.44	Paved	18	20	22	12	54	54	1727	53
		144.95*									
53	Jct Ia 175 to SCL Gowrie	.01	Paved	24	23	35	32	90	90	218	95
		.01									
Floyd County											
54	ECL of Marble Rock to Jct Ia 14	2.68	Gravel	34	Under Construction					368	
		2.68*									
Wayne County											
55	NCL of Seymour to Jct Ia 2	3.80	Bit. Pen.	22	12	18	21	51	51	575	57
		3.80*									
Fayette County											
56	SCL of West Union to Jct Ia 296	10.96	Gravel	38	Under Construction					203	
56	Jct Ia 296 to Clayton Co Line	.86	Gravel	38	Under Construction					225	
Clayton County											
56	Fayette Co Line to Begin Conc Sec	10.17	Paved	24	29	32	26	87	87	245	90
56	Begin Conc Section to WCL Elkader	.40	Paved	18	12	27	23	62	62	478	69
		22.39*									

1953

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Hardin County											
57	Jct US 65 to Jct Ia 299	5.33	Paved	18	22	25	20	67	67	1456	66
57	Jct Ia 299 to WCL of Eldora	2.49	Paved	18	22	21	20	63	63	1770	62
57	Jct Ia 118 to Grundy Co Line	4.25	Paved	18	22	22	20	64	64	1445	63
Grundy County											
57	Hardin Co Line to Jct Ia 214	3.96	Paved	18	20	27	22	69	69	1179	70
57	Jct Ia 214 to South Jct Ia 14	1.58	Paved	18	20	23	23	66	66	1300	66
57	South Jct Ia 14 to WCL Grundy Center	6.17	Paved	18	20	25	17	62	62	1971	60
57	WCL Grundy Center to North Jct Ia 14	6.74	Paved	18	20	25	22	67	67	1473	66
57	North Jct Ia 14 to Black Hawk Co Line	11.75	Paved	18	20	25	23	68	68	1357	68
Black Hawk County											
57	Grundy Co Line to Urban Area Line	4.30	Paved	18	18	26	20	64	64	1391	64
57	Urban Area Line to Int Ia 58	.60	Paved	18	18	29	25	72	72	1391	72
57	Int Ia 58 to WCL Cedar Falls	.49	Paved	18	18	24	23	65	65	5559	56
47.66*											
Grundy County											
58	ECL of Grundy Center to WCL of Morrison	4.70	Paved	18	19	23	25	65	65	1352	65
58	ECL of Morrison to WCL of Reinbeck	3.42	Paved	18	19	24	24	67	67	1331	67
58	ECL of Reinbeck to Black Hawk Co Line	2.89	Paved	18	19	26	22	67	67	1219	68
Black Hawk County											
58	Grundy Co Line to South Jct US 63	4.31	Paved	18	22	28	23	73	73	1222	73
58	South Jct US 63 to North Jct US 63	4.88	Paved	18	16	26	21	63	63	1915	61
58	North Jct US 63 to SCL of Hudson	.14	Paved	20	23	22	30	75	75	1915	74
58	WCL of Hudson to Urban Area Line	6.59	Paved	20	27	29	28	85	85	1051	85
58	Urban Area Line to Int Ia 57	.58	Paved	20	27	29	29	85	85	1051	86

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Black Hawk County (Cont'd)											
58	Int Ia 57 to SCL of Cedar Falls	.58	Paved	20	27	18	20	65	65	5559	57
58	NCL of Cedar Falls to Jct US 20	1.36	Paved	20	27	28	25	80	80	1053	81
		29.45*									
Fremont County											
59	Missouri St Line to Int of Ia 333	1.17	Mix. Bit.	24	17	33	26	76	76	475	81
59	Int Ia 333 to Page Co Line	9.44	Mix. Bit.	24	17	28	24	69	69	631	74
Page County											
59	Fremont Co Line to South Jct Ia 2	1.53	Mix. Bit.	24	17	31	27	75	75	850	77
59	South Jct Ia 2 to North Jct Ia 2	.60	Bit. S.T.	24	19	22	30	71	71	2025	69
59	North Jct Ia 2 to Jct Ia 184	7.30	Bit. S.T.	24	17	27	25	69	69	958	71
59	Jct Ia 184 to Fremont Co Line	1.00	Paved	22	30	25	29	84	84	450	88
Fremont County											
59	Page Co Line to Mills Co Line	1.37	Paved	22	30	35	34	99	99	420	99
Mills County											
59	Fremont Co Line to SCL of Emerson	7.99	Paved	22	30	32	33	95	95	433	96
59	NCL of Emerson to Begin 22 Ft Sec	.12	Paved	22	30	35	27	92	92	543	93
59	Begin 22 Ft Sec to Jct Ia 244	8.85	Paved	22	30	33	30	93	93	401	95
59	Jct Ia 244 to Pottawattamie Co Line	.97	Gravel	42	Under Construction					344	
Pottawattamie County											
59	Mills Co Line to Jct Ia 362	2.17	Gravel	34	Under Construction					391	
59	Jct Ia 362 to Int Ia 100	2.83	Gravel	36	Under Construction					458	
59	Int Ia 100 to South Jct US 6	4.24	Gravel	38	Under Construction					453	
59	South Jct US 6 to SCL Oakland	.57	Paved	18	22	16	20	58	58	3667	53

-59-

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	surface width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Pottawattamie County (Cont'd)											
59	NCL Oakland to SCL Hancock	4.94	Paved	22	30	31	33	94	94	912	95
59	ECL Hancock to SCL Avoca	6.38	Paved	22	30	33	30	93	93	777	94
59	NCL Avoca to Shelby Co Line	1.26	Paved	18	20	22	19	61	61	1580	60
Shelby County											
59	Pottawattamie Co Line to North Jct Ia 64	9.61	Paved	18	21	26	21	68	68	1615	67
59	North Jct Ia 64 to SCL of Harlan	.24	Paved	18	21	26	26	73	73	1019	75
59	NCL of Harlan to Jct Ia 37	7.60	Paved	18	21	19	20	60	60	1698	59
59	Jct Ia 37 to Jct Ia 268	1.00	Paved	18	21	27	26	74	74	1230	75
59	Jct Ia 268 to SCL of Defiance	2.20	Paved	18	21	24	22	67	67	1075	68
59	NCL of Defiance to Crawford Co Line	2.54	Paved	18	21	26	22	69	69	1136	70
Crawford County											
59	Shelby Co Line to South Jct Ia 141	3.12	Paved	18	30	24	21	75	75	1136	76
59	South Jct Ia 141 to SCL of Denison	6.80	Paved	18	30	21	20	71	71	1881	70
59	WCL of Denison to North Jct Ia 141	1.51	Paved	18	30	20	12	62	62	2231	59
59	North Jct Ia 141 to Ida Co Line	12.88	Paved	22	30	33	28	91	91	929	91
Ida County											
59	Crawford Co Line to East Jct Ia 175	8.37	Paved	22	30	32	29	91	91	830	92
59	East Jct Ia 175 to ECL of Ida Grove	1.40	Paved	20	30	32	30	92	92	1629	92
59	WCL of Ida Grove to West Jct Ia 175	.98	Paved	20	30	31	26	87	87	1514	86
59	West Jct Ia 175 to East Jct US 20	9.15	Paved	20	30	27	26	83	83	1090	84
59	East Jct US 20 to West Jct US 20	1.28	Paved	20	30	26	23	79	79	2226	77
59	West Jct US 20 to SCL of Holstein	0.65	Paved	18	30	23	20	83	83	1624	82
59	NCL of Holstein to Cherokee Co Line	4.51	Paved	20	30	28	24	82	82	1023	83

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Cherokee County											
59	Ida Co Line to Jct Ia 31	5.12	Paved	20	30	26	23	79	79	3000	76
59	Jct Ia 31 to Urban Area Line	6.43	Paved	20	30	29	24	83	83	1477	82
59	Urban Area Line to SCL of Cherokee	.53	Paved	20	30	32	29	97	97	1477	96
59	NCL of Cherokee to North Jct Ia 3	.49	Paved	20	30	24	22	76	76	2782	73
59	North Jct Ia 3 to SCL of Larrabee	6.06	Paved	20	30	28	25	83	83	1390	82
59	NCL of Larrabee to O'Brien Co Line	3.01	Paved	20	30	29	27	86	86	1208	86
O'Brien County											
59	Cherokee Co Line to Jct Ia 388	2.51	Paved	20	30	28	28	86	86	1208	87
59	Jct Ia 388 to East Jct Ia 10	1.50	Paved	20	30	32	30	92	92	946	93
59	East Jct Ia 10 to West Jct Ia 10	4.91	Paved	18	30	22	20	72	72	932	75
59	West Jct Ia 10 to SCL of Primghar	7.04	Paved	18	30	24	24	78	78	1075	79
59	NCL of Primghar to East Jct US 18	6.52	Paved	18	30	25	25	80	80	783	82
59	East Jct Us 18 to West Jct Us 18	1.01	Paved	18	25	21	24	70	70	2095	67
59	West Jct Us 18 to Osceola Co Line	5.00	Paved	20	30	31	28	89	89	867	90
Osceola County											
59	O'Brien Co Line to Jct Ia 313	1.93	Paved	20	30	30	28	88	88	867	89
59	Jct Ia 313 to Int Ia 9	10.08	Paved	20	30	30	28	88	88	821	89
59	Int Ia 9 to Minn St Line	4.71	Paved	20	30	34	31	95	95	438	96
Appanoose County											
60	Missouri State Line to WCL of Cincinnati	3.95	Paved	24	24	32	28	84	84	475	87
60	ECL of Cincinnati to End of Widened Sec	.96	Paved	24	30	31	29	90	90	275	94
60	End of Widened Sec to Jct Ia 216	1.57	Paved	22	30	31	31	92	92	275	95
60	Jct Ia 216 to Begin Widened Section	3.04	Paved	22	30	34	29	93	93	388	95
60	Begin Widened Sec to 33 Ft Section	.43	Paved	44	30	35	34	99	99	1950	99

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Appanoose County (Cont'd)											
60	Begin 33 Ft Sec to SCL of Centerville	.66	Paved	33	30	35	31	96	96	1950	96
60	NCL of Centerville to Jct Ia 278	2.50	Paved	18	19	20	21	60	60	1625	59
60	Jct Ia 278 to Begin Conc Section	.45	Paved	18	19	25	21	65	65	1138	66
60	Begin Conc Section to SCL of Moravia	7.27	Paved	18	18	21	25	64	64	1138	65
Monroe County											
60	Appanoose Co Line to SCL of Albia	8.10	Paved	18	18	25	20	63	63	1331	63
60	NCL of Albia to SCL of Lovilla	7.70	Paved	18		Under Construction				1342	
60	NCL of Lovilla to Marion Co Line	1.29	Paved	18		Under Construction				1125	
Marion County											
60	Monroe Co Line to SCL of Hamilton	.31	Paved	18	18	23	19	60	60	1100	61
60	WCL of Hamilton to Jct Ia 156	4.93	Paved	18	18	23	19	60	60	945	62
60	Jct Ia 156 to SCL of Knoxville	9.91	Paved	18	18	19	18	55	55	1033	56
60	WCL of Knoxville to West Jct Ia 92	7.98	Paved	18	19	20	20	59	59	2670	55
60	West Jct Ia 92 to SCL of Pleasantville	1.97	Paved	18	19	26	20	65	65	1875	63
60	WCL of Pleasantville to Warren Co Line	4.27	Paved	18	19	26	21	65	65	1975	63
Warren County											
60	Marion Co Line to SCL Carlisle	9.49	Paved	18	23	21	20	64	64	2094	61
60	WCL Carlisle to Jct Ia 158	.05	Paved	18	23	32	29	84	84	650	87
60	Jct Ia 158 to Begin of 22 Ft Sec	.64	Paved	18	23	24	19	71	71	2150	63
60	Begin 22 Ft Sec to End 22 Ft Sec	.50	Paved	22	30	32	29	91	91	2150	91
60	End 22 Ft Sec to Polk Co Line	.27	Paved	18	23	26	20	69	69	2675	66

-37-

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Polk County											
60	Warren Co Line to Begin 20 Ft Sec	.63	Paved	18	22	26	21	69	69	2675	66
60	Begin 20 Ft Sec to Begin 24 Ft Sec	.20	Paved	20	22	18	18	58	58	2975	53
60	Begin 24 Ft Sec to Jct Ia 46	.30	Paved	24	30	22	21	73	73	1955	72
60	Jct Ia 46 to Jct US 65 US 69	3.73	Paved	24	30	33	31	94	94	2745	93
60	Jct US 65 to SCL Des Moines	1.50	Paved	45	27	29	35	91	91	9400	87
60	NCL of Des Moines to End of 44 Ft Sec	.61	Paved	44	24	35	34	93	93	9100	90
60	End of 44 Ft Sec to Urban Area Line	2.59	Paved	22	24	24	22	70	70	5362	62
60	Urban Area Line to Jct Ia 160	.77	Paved	22	24	20	19	63	63	5362	54
60	Jct Ia 160 to End of 22 Ft Sec	2.01	Paved	22	24	33	27	84	84	1760	83
60	End 22 Ft Sec to Begin 44 Ft Sec	.68	Paved	20	24	12	05	41	41	3050	35
60	Begin 44 Ft Sec to End 44 Ft Sec	.18	Paved	44	24	26	19	69	69	1860	68
60	End 44 Ft Sec to ECL of Polk City	5.66	Paved	20	13	25	09	47	47	1837	45
60	WCL of Polk City to Begin Asph Conc Sec	7.52	Paved	20	13	29	15	57	57	1541	56
60	Begin Asph Conc Sec to Boone Co Line	1.07	Paved	18	13	23	19	55	55	1541	54
Boone County											
60	Dallas Polk Co Line to SCL of Madrid	.45	Paved	18	24	29	24	77	77	1760	76
60	NCL of Madrid to SCL of Luther	5.75	Paved	18	24	29	27	80	80	1375	80
60	NCL of Luther to West Jct US 30	5.96	Paved	18	24	28	27	79	79	1185	80
60	West Jct US 30 to East Jct US 30	1.10	Paved	18	24	24	21	69	69	4675	62
60	East Jct US 30 to Hamilton Co Line	11.20	Mix. Bit.	24	08	22	27	57	57	601	62
Hamilton County											
60	Boone Co Line to South Jct Ia 175	4.12	Mix. Bit.	20	08	22	29	59	59	554	65
60	South Jct Ia 175 to SCL Stanhope	.87	Mix. Bit.	24	08	27	30	65	65	839	68
60	NCL of Stanhope to SCL Webster City	11.76	Mix. Bit.	24	08	25	23	56	56	905	59
60	WCL Webster City to West Jct US 20	2.76	Paved	18	22	23	25	70	70	3720	64
60	West Jct US 20 to Wright Co Line	6.05	Paved	26	22	32	33	87	87	1295	87

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Wright County											
60	Hamilton Co Line to Jct Ia 323	1.00	Paved	18	22	23	21	66	66	1208	67
60	Jct Ia 323 to SCL Eagle Grove	5.70	Paved	18	24	25	25	75	75	1388	75
60	NCL Eagle Grove to SCL Goldfield	3.38	Paved	18	24	27	28	79	79	1474	78
60	WCL Goldfield to West Jct Ia 3	2.01	Paved	20	30	27	25	82	82	1811	81
60	West Jct Ia 3 to Jct Ia 368	6.64	Paved	24	21	32	31	84	84	601	87
60	Jct Ia 368 to Begin Paved Sec.	2.43	Paved	24	21	35	31	87	87	506	90
60	Begin Paved Sec to Hancock Co Line	3.09	Paved	22	25	34	29	88	88	448	90
Hancock County											
60	Wright Co Line to Jct Ia 256	5.71	Paved	22	25	32	33	90	90	314	93
60	Jct Ia 256 to Jct US 18	6.92	Bit. S.T.	22	25	32	32	89	89	266	93
192.60*											
Lee County											
61	Missouri St Line to Urban Area	.13	Paved	18	22	25	17	64	64	3000	59
61	Urban Area Line to WCL of Keokuk	.08	Paved	18	22	15	17	54	54	3000	49
61	NCL of Keokuk to Urban Area Line	.63	Paved	24	22	34	29	85	85	3311	82
61	Urban Area Line to North Jct US 218	6.93	Paved	24	22	30	25	77	77	3311	73
61	North Jct US 218 to WCL of Montrose	1.32	Paved	18	20	21	12	53	53	1750	52
61	NCL of Montrose to Urban Area Line	6.81	Paved	20	17	25	16	53	53	1750	57
61	Urban Area Line to West Jct Ia 2	.54	Paved	20	22	20	12	54	54	2950	49
61	West Jct Ia 2 to WCL of Ft. Madison	1.20	Paved	20	22	28	25	75	75	2950	71
61	NCL of Ft Madison to Urban Area Line	1.52	Paved	18		Under Construction				2500	
61	Urban Area Line to Jct Ia 16	5.72	Paved	18		Under Construction				2500	
61	Jct Ia 16 to Des Moines Co Line	.99	Paved	18		Under Construction				365	

1704

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Des Moines County											
61	Rel to in Sec 25 69 3W from Sec 33 to 25	3.00	Paved	18		Under Construction				2615	
61	In Sec 25 69 3W to SCL of Burlington	3.72	Paved	18	18	21	15	54	54	2615	51
61	WCL of Burlington to Urban Area Line	.96	Paved	18		Under Construction				1952	
61	Urban Area Line to SCL of Mediapolis	11.09	Paved	18		Under Construction				1952	
61	NCL of Mediapolis to Louisa Co Line	4.17	Paved	18		Under Construction				1905	
Louisa County											
61	Des Moines Co Line to Jct Ia 78	1.02	Paved	18		Under Construction				1850	
61	Jct Ia 78 to SCL of Wapello	5.89	Paved	18		Under Construction				1900	
61	WCL of Wapello to South Int Ia 92	6.03	Paved	18		Under Construction				1663	
61	South Int Ia 92 to Jct Ia 305	3.01	Paved	24	20	30	28	78	78	2909	74
61	Jct Ia 305 to Muscatine Co Line	1.09	Paved	24	20	28	26	74	74	2983	70
Muscatine County											
61	Louisa Co Line to WCL of Muscatine	7.97	Paved	24	20	31	30	81	81	3032	78
61	ECL of Muscatine to Jct Ia 389	8.97	Paved	18	16	20	15	51	51	2140	48
61	Jct Ia 389 to Scott Co Line	4.09	Paved	18	16	19	16	51	51	2075	48
Scott County											
61	Muscatine Co Line to Begin Asph Conc Sec	2.38	Paved	18	13	22	19	54	54	2095	52
61	Begin Asph Conc Sec to Begin Conc Sec	.33	Paved	18	13	24	14	51	51	2095	48
61	Begin Conc Sec to WCL of Buffalo	.60	Paved	18	13	24	19	56	56	2095	53
61	NCL of Buffalo to SCL of Davenport	5.78	Paved	18	12	20	16	48	48	3722	42
61	NCL of Davenport to Jct Ia 387	3.00	Paved	24	29	34	31	94	94	2630	93
61	Jct Ia 387 to Jct 331	3.16	Paved	24	29	34	32	95	95	2392	95
61	Jct Ia 331 to Begin 18 Ft Conc Sec	5.52	Paved	24	29	34	31	94	94	2045	94
61	Begin 18 Ft Conc Sec to Clinton Co Line	3.11	Paved	18		Under Construction				2025	

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Clinton County											
61	Scott Co Line to SCL DeWitt	2.52	Paved	18	Under Construction					2125	
61	NCL DeWitt to SCL Welton	5.81	Paved	18	13	27	19	59	59	1650	57
61	NCL Welton to Int Ia 136	7.57	Paved	18	13	22	20	55	55	1515	54
61	Int Ia 136 to Jackson Co Line	2.09	Paved	18	13	14	20	47	47	2481	43
Jackson County											
61	Clinton Co Line to SCL Maquoketa	1.50	Paved	18	13	15	22	50	50	2481	47
61	NCL Maquoketa to Jct Ia 130	.44	Paved	18	20	20	21	61	61	2341	57
61	Jct Ia 130 to NCL Hurstville	.37	Paved	18	19	19	24	62	62	2220	59
61	NCL Hurstville to SCL Zwingle	14.15	Paved	18	19	19	19	57	57	1878	55
Dubuque County											
61	NCL of Zwingle to Jct US 151	10.82	Paved	18	13	24	15	52	52	1781	51
61	Jct US 151 to South Jct US 52	1.19	Paved	18	10	20	12	42	42	4909	34
61	Jct US 52 to SCL Dubuque	.81	Paved	18	08	11	17	36	36	5423	27
		157.91*									
Jackson County											
62	NCL Maquoketa to SCL Andrew	6.68	Gravel	30	07	22	21	50	30	718	39
62	NCL Andrew to Jct Ia 113	6.98	Gravel	30	07	26	18	51	45	225	57
62	Jct Ia 113 to Begin Conc Sec	3.85	Gravel	30	07	29	19	55	46	230	62
62	Begin Conc Sec to WCL Bellevue	1.84	Paved	18	19	24	17	60	60	256	72
		19.35*									

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Davis County											
63	Mo St Line to End of Asph Conc Sec	4.00	Paved	18	20	21	21	62	62	997	64
63	End Asph Conc Sec to West Jct Ia 2	6.92	Paved	18	19	22	20	61	61	997	63
63	West Jct of Ia 2 to WCL of Bloomfield	4.63	Paved	18	19	21	14	54	54	2120	51
63	NCL of Bloomfield to Begin 22 Ft Sec	.24	Paved	18	19	16	21	56	56	2100	53
63	Begin 22 Ft Sec to End 22 Ft Sec	.85	Paved	22	29	31	27	87	87	2100	86
63	End 22 Ft Sec to Jct of Ia 273	1.66	Paved	18	19	24	19	62	62	1970	60
63	Jct of Ia 273 to Wapello Co Line	7.43	Paved	18	19	21	17	57	57	1841	55
Wapello County											
63	Davis Co Line to Urban Area Line	6.27	Paved	18	19	21	17	57	57	1845	54
63	Urban Area Line to SCL of Ottumwa	.86	Paved	18	19	32	29	80	80	1845	79
63	NCL of Ottumwa to Urban Area Line	1.10	Paved	20	22	27	23	72	72	3025	67
63	Urban Area Line to Jct Ia 380	1.76	Paved	20	22	21	26	69	69	3025	64
63	Jct Ia 380 to Keokuk Co Line	4.46	Paved	20	22	19	22	63	63	2325	60
Keokuk County											
63	Wapello Co Line to Jct Ia 149	1.11	Paved	18	Under Construction					2325	
63	Jct Ia 149 to Mahaska Co Line	1.75	Paved	18	Under Construction					1760	
Mahaska County											
63	Keokuk Co Line to ECL Fremont	.89	Paved	18	Under Construction					1760	
63	WCL Fremont to End Asph Conc	4.20	Paved	18	Under Construction					2312	
63	End Asph Conc to SCL Oskaloosa	7.41	Paved	18	Under Construction					2312	61
63	NCL Oskaloosa to Begin 20 Ft Section	1.56	Paved	18	18	25	13	56	56	1920	54
63	Begin 20 Ft Section to End 20 Ft Section	.60	Paved	20	22	29	22	73	73	1710	72
63	End 20 Ft Section to Begin 20 Ft Section	1.04	Paved	18	18	27	20	65	65	1710	64
63	Begin 20 Ft Section to End 20 Ft Section	.29	Paved	20	22	23	23	68	68	1710	67
63	End 20 Ft Section to End Asph Section	1.99	Paved	18	25	25	21	71	71	1710	70

Sufficiency Rating by Routes of the
Iowa Rural Primary System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating			Total Basic	Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service				
Mahaska County (Cont'd)											
63	End Asph Section to SCL of New Sharon	5.39	Paved	22	19	27	32	78	78	1641	77
63	ECL of New Sharon to Jct Ia 308	4.17	Paved	22	25	27	29	81	81	939	82
63	Jct Ia 308 to Poweshiek Co Line	2.37	Paved	22	25	29	26	80	80	940	82
63											
Poweshiek County											
63	Mahaska Co Line to SCL Montezuma	4.99	Paved	20	21	31	25	77	77	767	79
63	NCL Montezuma to SCL Malcom	7.73	Paved	20	21	26	22	69	69	769	72
63	NCL Malcom to East Jct US 6 (Old Location)	1.48	Paved	20	28	29	22	92	92	1050	73
63	East Jct US 6 (Old Location) to East Jct US 6	1.12	Paved	24	28	33	32	93	93	1050	93
63	East Jct US 6 to West Jct US 6	2.10	Paved	24	29	33	30	92	92	3150	91
63	West Jct US 6 to Tama Co Line	8.43	Paved	18	22	23	21	66	66	1383	66
Tama County											
63	Poweshiek Co Line to SCL of Tama	6.29	Paved	18	22	24	24	70	70	1499	69
63	NCL of Toledo to Jct Ia 229	6.71	Paved	18	28	22	22	72	72	1014	73
63	Jct Ia 229 to Jct Ia 96	4.91	Paved	18	28	25	24	77	77	963	79
63	Jct Ia 96 to SCL of Traer	6.69	Paved	18	16	25	20	61	61	1210	61
63	NCL of Traer to Black Hawk Co Line	6.93	Paved	18	22	19	25	66	66	1582	64
Black Hawk County											
63	Tama Co Line to South Jct Ia 58	2.01	Paved	18	16	24	20	60	60	1471	59
63	South Jct Ia 58 to North Jct Ia 58	4.88	Paved	18	16	26	21	63	63	1915	61
63	North Jct Ia 58 to SCL of Hudson	.20	Paved	18	16	29	05	50	50	1215	51
63	NCL of Hudson to SCL of Waterloo	4.64	Paved	18	11	14	10	35	35	2275	32
63	NCL of Waterloo to Bremer Co Line	6.80	Paved	24	24	26	29	79	79	2604	76

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Bremer County											
63	Black Hawk Co Line to SCL of Denver	1.74	Paved	24	29	34	32	95	95	2552	94
63	NCL of Denver to Int Ia 3	2.52	Paved	24	29	27	32	88	88	2477	87
63	Int Ia 3 to End Asph Conc Section	3.04	Paved	18	Under Construction					2156	
63	End Asph Conc Sec to Jct Ia 93	3.03	Paved	18	Under Construction					2156	
63	Jct Ia 93 to Jct Ia 188	3.11	Paved	18	Under Construction					1936	
63	Jct Ia 188 to Jct Ia 334	2.02	Paved	18	Under Construction					1790	
63	Jct Ia 334 to Chickasaw Co Line	2.75	Paved	18	Under Construction					1765	
Chickasaw County											
63	Bremer Co Line to Begin Conc Section	3.00	Paved	18	Under Construction					1840	
63	Begin Conc Section to south Jct US 18	1.63	Paved	13	Under Construction					1840	
63	South Jct US 18 to Section 19 95 12W	4.55	Paved	24	18	29	29	76	76	2068	73
63	Sec 19 95 12W to SCL New Hampton	1.00	Paved	24	27	35	35	97	97	2153	96
63	NCL of New Hampton to Jct Ia 289	9.34	Paved	18	18	22	17	57	57	1376	57
63	Jct Ia 289 to Howard Co Line	.96	Paved	18	18	26	22	66	66	1183	67
Howard County											
63	Chickasaw Co Line to Jct Ia 272	2.51	Paved	18	19	23	22	64	64	1183	65
63	Jct Ia 272 to Int Ia 9	8.29	Paved	18	18	26	20	64	64	1082	65
63	Int Ia 9 to Jct Ia 157	5.52	Paved	18	27	27	24	78	78	1182	79
63	Jct Ia 157 to SCL Chester	3.72	Paved	18	27	28	22	77	77	1109	78
206.71*											
Pottawattamie County											
64	SCL Council Bluffs to WCL Underwood	10.67	Paved	18	13	20	20	53	53	2592	49
64	NCL Underwood to SCL Neola	4.82	Paved	18	14	29	25	68	68	1877	66
64	SCL Neola to Jct Ia 191	.17	Paved	18	14	29	24	67	67	1476	67
64	Jct Ia 191 to WCL Minden	3.35	Paved	18	22	25	20	67	67	1181	68

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	surface width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	safety	Service	Total Basic			
Pottawattamie County (Cont'd)											
64	NCL Minden to Jct Ia 168	4.45	Paved	18	22	20	20	62	62	1306	62
64	Jct Ia 168 to WCL Avoca	5.32	Paved	18	22	19	20	61	61	1146	63
64	NCL Avoca to Shelby Co Line	1.26	Paved	18	20	22	19	61	61	1580	60
Shelby County											
64	Pottawattamie Co Line to North Jct US 59	9.61	Paved	18	21	26	21	68	68	1615	67
64	North Jct US 59 to SCL of Harlan	.26	Paved	18	21	25	18	64	64	1019	66
64	ECL of Harlan to Begin 3 inch Asph Conc	7.26	Paved	18	24	22	20	66	66	1203	67
64	Begin 3 inch Asph Conc to Audubon Co Line	4.75	Paved	18	25	19	15	59	59	1203	60
Audubon County											
64	Shelby County Line to WCL of Kimballton	.53	Paved	18	25	28	24	77	77	587	80
64	ECL of Kimballton to Begin Winding Sec	3.00	Paved	18	25	24	21	70	70	1349	70
64	Begin Winding Sec to End Winding Sec	4.22	Paved	18	25	24	18	67	67	1349	67
64	End Winding Sec to Int US 71	2.50	Paved	18	25	25	23	73	73	1349	73
64	Int US 71 to Guthrie Co Line	8.67	Paved	18	22	18	20	60	60	1011	62
Guthrie County											
64	Audubon Co Line to Jct Ia 73	.98	Paved	18	21	25	20	66	66	966	68
64	Jct Ia 73 to WCL of Guthrie Center	11.24	Paved	18	20	21	20	61	61	1251	62
64	ECL of Guthrie Center to WCL of Panora	6.55	Paved	18	24	21	18	63	63	1328	63
64	ECL of Panora to Dallas Co Line	3.57	Paved	18	24	27	25	76	76	1222	77
Dallas County											
64	Guthrie Co Line to Jct Ia 292	.53	Paved	18	23	29	27	79	79	1165	80
64	Jct Ia 292 to End Asph Conc Sec	9.59	Paved	18	23	25	24	72	72	1256	73
64	End Asph Conc Sec to End Conc Sec	1.90	Paved	18	21	27	20	68	68	1256	68
64	End Conc Sec to Int US 169	1.38	Paved	18	23	21	22	66	66	1256	66

196

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Dallas County (Cont'd)											
64	Int US 169 to End Conc Sec	1.31	Paved	18	22	21	20	63	63	2300	60
64	End Conc Sec to WCL Dallas Center	1.17	Paved	18	21	24	25	70	70	2300	67
64	ECL Dallas Center to End Conc Sec	5.27	Paved	18	23	23	20	66	66	2284	63
64	End Conc Sec to Begin Conc Sec	2.00	Paved	18	21	21	23	65	65	2284	62
64	Begin Conc Sec to Polk Co Line	.26	Paved	18	23	17	16	55	55	2284	52
Polk County											
64	Dallas Co Line to WCL of Grimes	.78	Paved	20	20	20	22	62	62	2180	59
64	ECL of Grimes to Urban Area Line	5.02	Paved	20	20	21	16	57	57	2422	53
64	Urban Area Line to Jct Ia 46	.69	Paved	20	20	21	12	53	53	2422	49
64	North Jct Ia 141 to NCL of Des Moines	2.29	Paved	20	08	24	19	51	51	3897	44
64	ECL Des Moines to Jct US 65 Ia 64	.75	Paved	20	22	14	18	54	54	10300	40
64	Jct Us 6 to Urban Area Line	.98	Paved	20	21	28	27	76	76	3750	71
64	Urban Area Line to SCL Bondurant	3.28	Paved	20	21	28	25	74	74	3750	69
64	ECL Bondurant to Jasper Co Line	7.32	Paved	20	21	28	24	73	73	3596	68
Jasper County											
64	Jct US 65 Ia 117 to Story Co Line	5.43	Paved	20	23	23	21	67	67	2090	64
Story County											
64	Jasper Co Line to Marshall Co Line	.07	Paved	20	24	28	29	81	81	2080	79
Marshall County											
64	Story Co Line to Jct Ia 234	4.84	Paved	20	23	24	24	71	71	2073	68
64	Jct Ia 234 to Jct 395	4.01	Paved	20	23	26	24	73	73	2085	71
64	Jct 395 to Jct Us 30 Ia 330	5.94	Paved	20	23	25	23	73	73	2355	68
64	Jct Us 30 to Urban Area Line	4.50	Paved	22	29	27	28	84	84	4921	79
64	Urban Area Line to Int Ia 14	1.00	Paved	22	29	28	28	85	85	4921	81
64	Int Ia 14 to Urban Area Line	.49	Paved	22	29	32	31	92	92	4947	89

-44-

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Marshall County (Cont'd)											
64	Urban Area Line to End 22 Ft Sec	3.09	Paved	22	29	31	29	89	89	4947	85
64	End 22 Ft Sec to Jct Ia 146	2.88	Paved	24	29	35	33	97	97	4328	96
64	Jct Ia 146 to WCL LeGrand	.08	Paved	45	30	35	35	100	100	4328	100
Tama County											
64	ECL LeGrand to Jct Ia 135	3.62	Paved	24	30	34	32	96	96	3229	95
64	Jct Ia 135 to WCL Toledo	5.75	Paved	24	30	34	32	96	96	3200	95
64	ECL Tama to Jct Old US 30	.20	Paved	24	30	35	35	100	100	3937	100
64	Jct Old US 30 to Jct Ia 212	5.11	Paved	24	29	29	32	90	90	4212	87
64	Jct Ia 212 to Benton Co Line	8.32	Paved	24	30	33	31	94	94	2822	93
Benton County											
64	Tama Co Line Int Ia 21 to Jct Ia 131	2.98	Paved	24	22	27	29	78	78	2774	75
64	Jct Ia 131 to Jct Ia 200	2.01	Paved	24	30	35	33	98	98	2809	98
64	Jct Ia 200 to Jct Ia 82	5.99	Paved	24	30	33	32	95	95	3260	94
64	Jct Ia 82 to West Jct US 218	2.99	Paved	24	30	32	30	92	92	3440	90
64	West Jct US 218 to Jct Ia 280	2.95	Paved	24	30	33	32	95	95	4625	94
64	Jct Ia 280 to Jct Ia 201	2.00	Paved	24	29	33	32	94	94	4900	92
64	Jct Ia 201 to Jct Ia 279	3.98	Paved	24	30	22	24	76	76	5064	69
64	Jct Ia 279 to Linn Co Line	1.02	Paved	24	29	23	22	74	74	5339	67
Linn County											
64	Benton Co Line to End 24 Ft Sec	4.51	Paved	24	27	22	24	73	73	5402	65
64	End 24 Ft Sec to Jct Ia 149 US 151	1.91	Paved	20	16	24	22	62	62	5188	53
64	Jct US 151 Ia 149 to WCL Cedar Rapids	.13	Paved	20	16	28	20	64	64	2834	61
64	ECL Marion to Urban Area Line	.57	Paved	18	18	18	20	56	56	4119	47
64	Urban Area Line to Jct Ia 13	.48	Paved	18	18	16	22	56	56	4119	47
64	Jct Ia 13 to WCL Springville	6.16	Paved	18	18	18	18	54	54	2856	49
64	ECL Springville to Jones Co Line	3.88	Paved	18	18	25	20	63	63	2664	59

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Jones County											
64	Linn Co Line to Jct Ia 261	1.51	Paved	18	25	26	23	74	74	2664	71
64	Jct Ia 261 to SCL Anamosa	3.23	Paved	18	15	19	06	40	40	3703	33
64	SCL Anamosa to WCL Anamosa	.15	Paved	18	15	26	16	57	57	3783	51
64	ECL Anamosa to West Jct Ia 38	8.38	Paved	18	16	24	20	60	60	1651	59
64	West Jct Ia 38 to East Jct Ia 38	5.80	Paved	18	16	28	19	63	63	1798	62
64	East Jct Ia 38 to WCL Wyoming	4.38	Paved	18	17	27	19	63	63	1798	62
64	ECL Wyoming to Jackson Co Line	2.01	Paved	18	16	21	22	59	59	1802	57
Jackson County											
64	Jones Co Line to WCL Monmouth	.50	Paved	18	21	19	26	66	66	1667	62
64	ECL Monmouth to WCL Baldwin	1.45	Paved	18	21	28	23	72	72	1781	71
64	ECL Baldwin to WCL Macouketa	8.30	Paved	18	21	22	22	65	65	1943	63
64	ECL Macouketa to Jct Ia 113	12.57	Paved	20	21	28	22	71	71	1231	72
64	Jct Ia 113 to WCL Preston	1.73	Paved	20	21	26	27	74	74	1441	74
64	ECL Preston to WCL Miles	3.42	Paved	20	21	29	25	75	75	1390	75
64	ECL Miles to West Jct US 67	6.34	Paved	20	21	28	23	72	72	1473	72
64	West Jct US 67 to East Jct US 67	.34	Paved	20	24	32	30	86	86	1750	86
64	East Jct US 67 to Jct West US 52	.34	Paved	20	21	22	21	64	64	1819	62
64	West Jct US 52 to WCL Sabula	.11	Paved	20	21	22	23	66	66	1516	64
64	ECL Sabula to Miss River Bridge	.25	Paved	20	21	32	10	63	63	1819	61
295.40*											
Wayne County											
65	NCL of Lineville to South Jct Ia 2	11.59	Paved	22	26	31	27	84	84	998	85
65	South Jct Ia 2 to North Jct Ia 2	.29	Paved	18	18	22	17	57	57	1450	57
65	North Jct Ia 2 to SCL of Humeston	6.68	Paved	20	26	31	26	83	83	866	84
65	NCL of Humeston to Lucas Co Line	1.59	Paved	20	26	30	25	81	81	1450	80

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Lucas County											
65	Wayne Co Line to Jct Ia 306	2.70	Paved	22	29	34	34	97	97	1450	97
65	Jct Ia 306 to Begin Asph Section	5.98	Paved	22	20	33	32	94	94	1562	94
65	Beginning Asph Section to SCL of Lucas	.64	Paved	22	29	32	30	91	91	1562	91
65	SCL of Lucas to Warren Co Line	9.73	Mix. Bit.	24	11	29	21	61	61	901	64
Warren County											
65	Lucas Co Line to Jct Ia 206	1.48	Mix. Bit.	24	15	29	27	71	71	840	74
65	Jct Ia 206 to Jct Ia 205	7.08	Mix. Bit.	22	15	25	18	58	58	918	61
65	Jct Ia 205 to South Jct US 69	3.41	Paved	22	15	23	21	59	59	3220	53
65	South Jct US 69 to Begin 22 Ft Sec	2.20	Paved	18	24	21	14	59	59	3220	53
65	Begin 22 Ft Sec to Begin 24 Ft Sec	1.65	Paved	22	27	31	29	87	87	3220	84
65	Begin 24 Ft Sec to SCL Indianola	.76	Paved	24	30	33	28	91	91	3260	89
65	SCL Indianola to Polk Co Line	9.83	Paved	24	30	34	32	96	96	4913	95
Polk County											
65	Warren Co Line to Begin 45 Ft Sec	1.33	Paved	24	27	22	22	71	71	5130	63
65	Begin 45 Ft Sec to Jct Ia 28	.08	Paved	45	27	35	23	85	85	5534	78
65	Jct Ia 28 to SCL of Des Moines	1.50	Paved	45	27	29	35	91	91	9400	87
65	SCL Des Moines to Jct US 65 Ia 64	.75	Paved	20	22	14	18	54	54	10300	40
65	Jct US 6 to Urban Area Line	.98	Paved	20	21	28	27	76	76	3750	71
65	Urban Area Line to SCL of Bondurant	3.28	Paved	20	21	28	25	74	74	3750	69
65	SCL of Bondurant to Jasper Co Line	7.32	Paved	20	21	28	24	73	73	3596	68
Jasper County											
65	Polk Co Line to Jct Ia 64 Ia 117	2.87	Paved	20	23	27	25	75	75	3550	70
65	Jct Ia 64 Ia 117 to Story Co Line	3.71	Paved	20	23	29	26	78	78	1701	77

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Story County											
65	Jasper Co Line to SCL of Collins	2.25	Paved	20	19	30	29	78	78	1746	77
65	NCL of Collins to Int US 30	8.37	Paved	20	19	32	28	79	79	1480	79
65	Int US 30 to Jct 317	10.24	Paved	18		Under Construction				3847	
65	Jct Ia 317 to Hardin Co Line	3.20	Paved	18		Under Construction				1699	
Hardin County											
65	Story Co Line to End Asph Sec	2.00	Paved	18		Under Construction				1693	
65	End Asph Conc Sec to SCL of Hubbard	4.53	Paved	18		Under Construction				1737	
65	NCL of Hubbard to Jct Ia 57	5.68	Paved	18		Under Construction				1901	
65	Jct Ia 57 to SCL of Ia Falls	10.82	Paved	18	20	20	15	55	55	2164	52
65	NCL Iowa Falls to North Jct US 20	4.21	Paved	24	22	29	27	78	78	3151	74
Franklin County											
65	Hardin Co Line Jct US 30 to Jct Ia 134	9.02	Paved	24	21	32	26	79	79	1849	78
65	Jct Ia 134 to SCL of Hampton	3.54	Paved	24	21	33	27	81	81	2147	79
65	NCL of Hampton to Begin 20 Ft Section	2.37	Paved	18	21	Under Construction				2230	
65	Begin 20 Ft Sec to End 20 Ft Sec	.22	Paved	20	30	Under Construction				2179	
65	End 20 Ft Sec to SCL of Sheffield	5.50	Paved	18	21	Under Construction				2152	
Cerro Gordo County											
65	Franklin Co Line to Beg 24 Ft Sec	2.00	Paved	18	07	Under Construction				2531	
65	Beg 24 Ft Sec to Begin 22 Ft Section	5.01	Paved	24	21	23	28	72	72	2531	69
65	Begin 22 Ft Section to Urban Area Line	6.62	Paved	22	28	31	27	86	86	3135	83
65	Urban Area Line to Begin 24 Ft Section	1.00	Paved	22	28	32	29	89	89	3135	87
65	Begin 24 Ft Section to SCL Mason City	.50	Paved	24	15	35	33	83	83	3406	79
65	NCL Mason City to Urban Area Line	1.12	Paved	24	23	20	24	67	67	3593	61
65	Urban Area Line to Jct Ia 288	2.97	Paved	24	23	23	29	75	75	3593	70
65	Jct Ia 288 to Worth Co Line	.90	Paved	24	23	25	31	79	79	3289	75

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Worth County											
65	Cerro Gordo Co Line to Int Ia 9	2.01	Paved	24	23	33	27	83	83	3399	79
65	Int Ia 9 to SCL of Kensett	4.27	Paved	18	24	23	21	68	68	2659	65
65	NCL of Kensett to SCL of Northwood	4.81	Paved	18	23	17	19	59	59	2269	56
65	NCL of Northwood to Minn State Line	3.19	Paved	18	23	26	20	69	69	1624	68
		194.15*									
Ringgold County											
66	Jct Ia 2 to SCL of Diagonal	6.64	Gravel	35	Under Construction					237	
		6.64*									
Scott County											
67	ECL of Bettendorf to WCL Riverdale	1.14	Paved	48	28	29	31	88	88	8000	83
67	NCL of Riverdale to Begin 20 Ft Conc Sec	2.57	Paved	18	19	10	10	39	39	3390	32
67	Begin 20 Ft Sec to End 20 Ft Sec	.54	Paved	20	14	23	23	49	49	3380	42
67	End 20 Ft Sec to Begin Asph Conc Sec	1.72	Paved	18	10	19	06	35	35	3295	30
67	Begin Asph Conc Sec to End Asph Conc Sec	.10	Paved	18	10	14	02	26	26	3295	22
67	End Asph Conc to SCL of LeClaire	1.89	Paved	18	10	19	14	43	43	3295	38
67	NCL of LeClaire to SCL of Princeton	3.86	Paved	18	14	24	23	61	61	1835	59
67	NCL of Princeton to Clinton Co Line	3.82	Paved	18	14	22	25	61	61	1720	60
Clinton County											
67	Scott Co Line to WCL Camanche	5.70	Paved	18	13	23	18	54	54	1662	53
67	NCL Camanche to South Jct US 30	1.62	Paved	18	13	22	21	56	56	2750	52
67	South Jct US 30 to WCL Clinton	.22	Paved	24	23	23	27	73	73	6000	65

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Clinton County (Cont'd)											
67	NCL Clinton to Begin 20 Ft Sec	6.27	Paved	18	18	22	19	59	59	975	61
67	Begin 20 Ft Section to Jackson Co Line	4.55	Paved	20	24	29	28	80	80	753	81
Jackson County											
67	Clinton Co Line to West Jct Ia 64	2.42	Paved	20	24	31	28	83	83	584	94
67	West Jct Ia 64 to East Jct Ia 64	.34	Paved	20	24	32	20	86	86	1750	86
67	East Jct Ia 64 to South Jct US 52	.26	Gravel	36	24	29	33	86	76	1599	65
67	South Jct US 52 to Begin Gravel Sec	10.41	Paved	22	24	27	23	74	74	382	81
67	Begin Gravel Sec to Begin Paved Sec	1.64	Gravel	36	15	30	24	69	57	382	66
67	Begin Gravel Conc Sec to SCL Bellevue	6.90	Paved	22	25	28	29	82	82	382	87
67	NCL Bellevue to Dubuque Co Line	11.64	Paved	20	22	27	26	75	75	579	79
Dubuque County											
67	Jackson Co Line to South Jct US 61	8.36	Paved	20	27	28	25	80	80	781	82
67	South Jct US 61 to SCL Dubuque	.81	Paved	18	08	11	17	36	36	5423	27
Monroe County											
68	NCL of Melrose to Jct US 34	1.09	Mix. Bit	24	12	31	28	71	71	350	79
Decatur County											
69	Missouri State Line to End Conc Sec	1.44	Paved	18	22	16	10	48	48	1680	47
69	End Conc Sec to SCL of Lamoni	1.62	Paved	18	24	20	20	64	64	1680	63
69	WCL of Lamoni to SCL of Davis City	5.76	Paved	18	22	16	17	55	55	2211	52
69	ECL of Davis City to End 24 Ft Conc Sec	3.58	Paved	24	30	35	29	94	94	2540	93
69	End of 24 Ft Conc Sec to West Jct Ia 2	3.70	Paved	18	22	19	14	55	55	2540	51
69	West Jct Ia 2 to Begin 24 Ft Sec	.20	Paved	18	22	23	20	65	65	4110	58
69	Begin 24 Ft Sec to WCL of Leon	.10	Paved	24	30	32	34	96	96	4110	95
69	NCL of Leon to Jct Ia 258	8.45	Paved	18	22	21	20	63	63	2242	60
69	Jct Ia 258 to Clarke Co Line	1.99	Paved	18	22	23	25	70	70	2280	67

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Clarke County											
69	Jct Ia 266 to SCL of Osceola	8.97	Paved	18	20	15	17	52	52	2360	48
69	NCL of Osceola to Warren Co Line	12.05	Paved	18	19	22	12	53	53	2091	50
Warren County											
69	Clarke Co Line to Jct Ia 207	2.54	Paved	18	22	17	14	53	53	1928	51
69	Jct Ia 207 to South Jct US 65	8.36	Paved	18	22	21	15	58	58	1959	56
69	South Jct US 65 to Begin 22 Ft Sec	2.20	Paved	18	24	21	14	59	59	3220	53
69	Begin 22 Ft Sec to Begin 24 Ft Sec	1.65	Paved	22	27	31	29	87	87	3220	84
69	Begin 24 Ft Sec to SCL Indianola	.75	Paved	24	30	33	28	91	91	3260	89
69	NCL Indianola to Polk Co Line	9.83	Paved	24	30	34	32	96	96	4913	95
Polk County											
69	Warren Co Line to Begin 45 Ft Sec	1.33	Paved	24	27	22	22	71	71	5130	63
69	Begin 45 Ft Sec to Jct Ia 28	.08	Paved	45	27	35	23	85	85	5534	78
69	Jct Ia 28 to SCL Des Moines	1.50	Paved	45	27	29	35	91	91	9400	87
69	NCL of Des Moines to Urban Area Line	2.51	Paved	24	22	34	30	86	86	4592	82
69	Urban Area Line to Jct Ia 160	2.25	Paved	24	22	33	29	84	84	4592	79
69	Jct Ia 160 to SCL of Ankeny	1.05	Paved	24	22	25	22	69	69	6750	61
69	NCL of Ankeny to Jct Ia 87	3.84	Paved	24	22	34	32	88	88	4803	85
69	Jct 87 to Story Co Line	4.97	Paved	24	22	34	32	88	88	4112	85
Story County											
69	Polk Co Line to Int Ia 210	1.01	Paved	24	21	35	30	86	86	4658	82
69	Int Ia 210 to SCL of Huxley	.92	Paved	24	21	33	29	83	83	4727	78
69	NCL of Huxley to Urban Area Line	6.11	Paved	24	21	32	29	82	82	4875	77
69	Urban Area Line to SCL of Ames	2.00	Paved	24	21	31	32	84	84	4875	80
69	NCL of Ames to Begin 24 Ft Sec.	2.38	Paved	18	19	22	19	59	59	3375	53
69	Begin 24 Ft Sec to Jct Ia 221	5.95	Paved	24	19	30	29	78	78	3375	74
69	Jct Ia 221 to Jct Ia 115	1.46	Paved	24	30	35	35	100	100	3065	100
69	Jct Ia 115 to Hamilton Co Line	1.53	Paved	24	30	35	35	100	100	2685	100

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Hamilton County											
69	Story Co Line to Jct Ia 383	1.75	Paved	24	30	35	35	100	100	2620	100
69	Jct Ia 383 to South Jct Ia 175	4.10	Paved	24	30	34	33	97	97	1866	96
69	South Jct Ia 175 to SCL of Jewell	.99	Paved	24	30	33	35	98	98	3165	98
69	NCL of Jewell to Jct Ia 298	5.04	Paved	24	22	27	31	80	80	2825	77
69	Jct Ia 298 to Int US 20	5.24	Paved	24	22	28	32	82	82	2833	79
69	Int Us 20 to Wright Co Line	6.21	Paved		Under Construction					2166	
Wright County											
69	Hamilton Co Line to Jct Ia 72	7.37	Paved	18	Under Construction					2017	
69	Jct Ia 72 to Jct Ia 262	2.05	Paved	18	Under Construction					1068	
69	Jct Ia 262 to West Jct Ia 3	2.66	Paved	18	Under Construction					2139	
69	West Jct Ia 3 to East Jct Ia 3	1.62	Paved	18	Under Construction					3035	
69	East Jct Ia 3 to SCL Belmond	6.48	Paved	18	Under Construction					2596	
69	NCL Belmond to Hancock Co Line	3.89	Paved	18	Under Construction					2786	
Hancock County											
69	Wright Co Line to SCL of Goodell	.75	Paved	18	Under Construction					2609	
69	NCL of Goodell to Jct Ia 179	5.59	Paved	18	Under Construction					2365	
69	Jct Ia 179 to Begin 24 Ft Section	6.38	Paved	18	Under Construction					2725	
69	Begin 24 Ft Section to East Jct US 18	.40	Paved	24	30	29	31	90	90	2036	88
69	East Jct US 18 to End 24 Ft Section	.54	Paved	24	30	35	34	99	99	4074	98
69	End 24 Ft Sec to West Jct US 18	.42	Paved	18	Under Construction					4074	
69	West Jct US 18 to Winnebago Co Line	10.71	Paved	18	Under Construction					2465	

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Winnobago County											
69	NCL Forest City to SCL Leland	3.00	Paved	18	Under Construction					3179	
69	NCL Leland to North Jct Ia 9	1.78	Paved	18	Under Construction					2397	
69	North Jct Ia 9 to WCL Lake Mills	7.94	Paved	20	29	24	22	75	75	1608	74
69	NCL Lake Mills to Worth Co Line	4.95	Paved	20	29	24	24	77	77	1540	76
Worth County											
69	Winnobago Co Line to Minn State Line	.30 201.76*	Paved	20	30	27	30	87	87	1540	86
Madison County											
70	LCL of Macksburg to Jct US 169	7.15 7.15*	Gravel	33	25	30	27	82	76	225	85
Page County											
71	NCL Braddyville to Jct Ia 333	3.76	Paved	18	23	27	23	73	73	1311	73
71	Jct Ia 333 to SCL Shambough	1.39	Paved	18	23	27	19	69	69	1350	69
71	WCL Shambough to SCL Clarinda	5.14	Paved	18	23	27	23	73	73	1670	72
71	LCL Clarinda to Begin Asph Conc Sec	.84	Paved	22	29	32	31	92	92	3390	90
71	Begin Asph Conc to East Jct Ia 2	.07	Paved	18	29	26	20	65	65	3390	60
71	East Jct Ia 2 to Montgomery Co Line	11.58	Paved	18	22	26	22	70	70	1791	69
Montgomery County											
71	Page Co Line to SCL of Villisca	1.49	Paved	18	22	22	26	70	70	1810	68
71	NCL of Villisca to South Jct of US 34	5.11	Paved	18	24	24	23	71	71	1957	69
71	South Jct US 34 to North Jct US 34	.31	Paved	18	22	22	10	54	54	2493	50
71	North Jct US 34 to SCL of Grant	8.56	Paved	18	22	22	22	66	66	1481	66
71	NCL of Grant to Cass Co Line	.73	Paved	18	22	26	24	72	72	1500	72

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Cass County											
71	Montgomery Co Line to Jct of Iowa 100	5.00	Paved	18	24	22	20	66	66	1560	65
71	Jct Ia 100 to South Jct Ia 92	1.97	Paved	18	24	20	23	67	67	1685	66
71	South Jct Ia 92 to North Jct Ia 92	2.91	Paved	18	22	21	21	64	64	1776	63
71	North Jct Ia 92 to West Jct US 6	7.17	Paved	18	22	16	22	60	60	1483	59
71	West Jct US 6 to East Jct US 6	1.77	Paved	24	23	27	28	78	78	3450	74
71	East Jct US 6 to Audubon Co Line	7.27	Paved	18	21	22	23	66	66	1436	65
Audubon County											
71	Cass Co Line to SCL of Brayton	2.70	Paved	18	22	27	23	72	72	1374	72
71	NCL of Brayton to SCL of Exira	3.14	Paved	18	22	24	22	68	68	1413	67
71	NCL of Exira to Int of Ia 64	4.85	Paved	18	22	22	22	66	66	1669	64
71	Int of Ia 64 to SCL of Audubon	3.19	Paved	18	24	21	22	67	67	2740	63
71	NCL of Audubon to Asph Conc Sec	2.26	Paved	18	22	25	21	68	68	1511	68
71	Begin Asph Conc Sec to Begin Conc Sec	1.83	Paved	18	22	22	22	66	66	1511	66
71	Begin Conc Sec to Begin Asph Conc	1.02	Paved	18	22	27	23	72	72	1511	72
71	Begin Asph Conc Sec to Begin Conc Sec	1.43	Paved	18	22	25	22	69	69	1511	69
71	Begin Conc Sec to Carroll Co Line	2.81	Paved	18	22	25	21	68	68	1511	68
Carroll County											
71	Audubon Co Line to West Jct Ia 141	3.10	Paved	18	21	20	19	60	60	1303	61
71	West Jct Ia 141 to East Jct Ia 141	2.60	Paved	18	21	21	19	61	61	1480	60
71	East Jct Ia 141 to SCL of Carroll	10.80	Paved	18	21	23	20	64	64	1535	60
71	NCL of Carroll to Jct Ia 217	7.11	Paved	18	21	22	20	63	63	2407	59
71	Jct Ia 217 to Sac Co Line	1.97	Paved	18	21	21	20	62	62	2034	59
Sac County											
71	Carroll Co Line to SCL of Auburn	2.50	Paved	20	30	27	25	82	82	2080	80
71	NCL of Auburn to Jct Ia 196	7.64	Paved	20	30	31	27	88	88	1544	88
71	Jct US 196 to LCL of Lake View	4.09	Paved	20	30	29	28	87	87	1521	87

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Sac County (Cont'd)											
71	WCL of Lake View to Jct Ia 36	1.46	Paved	20	30	30	27	87	87	1518	87
71	Jct Ia 36 to West Jct Ia 175	2.80	Paved	20	30	28	27	85	85	1484	84
71	West Jct Ia 175 to South Jct US 20	7.92	Paved	20	30	23	23	76	76	2168	74
71	South Jct US 20 to SCL Early	2.29	Paved	18	Under Construction					2829	
71	NCL Early to North Jct US 20	.42	Paved	18	Under Construction					2452	
71	North Jct US 20 to Buena Vista Co Line	6.53	Paved	18	Under Construction					1577	
Buena Vista County											
71	Sac Co Line to South Jct Ia 5	3.21	Paved	18	Under Construction					1552	
71	South Jct Ia 5 to LCL of Storm Lake	3.16	Paved	18	Under Construction					2616	
71	NCL of Storm Lake to Beginning 20 Ft Sec	3.18	Paved	24	30	32	32	94	94	1848	94
71	Begin 20 Ft Section to Jct Ia 352	1.66	Paved	20	30	31	27	88	88	1892	87
71	Jct Ia 352 to Int of Ia 3	3.65	Paved	20	30	30	26	86	86	1818	85
71	Int of Ia 3 to Jct Ia 351	5.28	Paved	20	30	31	29	90	90	1858	89
71	Jct Ia 351 to South Jct Ia 10	1.76	Paved	20	30	31	29	90	90	1962	89
71	South Jct Ia 10 to SCL of Sioux Rapids	2.26	Paved	20	30	27	24	81	81	2341	79
71	NCL of Sioux Rapids to Clay Co Line	.94	Paved	20	20	27	25	72	72	2241	69
Clay County											
71	Buena Vista Co Line to North Jct Ia 10	.91	Paved	20	30	29	25	84	84	2241	82
71	North Jct Ia 10 to Jct Ia 374	2.15	Paved	24	30	29	29	88	88	2119	87
71	Jct Ia 374 to Jct Ia 240	7.88	Paved	24	30	28	29	87	87	2347	85
71	Jct Ia 240 to South Jct US 18	4.82	Paved	24	30	31	32	93	93	2967	92
71	South Jct US 18 to SCL Spencer	.26	Paved	49	30	35	34	99	99	3104	99
71	NCL Spencer to North Jct US 18	1.94	Paved	48	30	35	35	100	100	5080	100
71	North Jct US 18 to Beginning 24 Ft Section	.22	Paved	48	30	35	35	100	100	3387	100
71	Beginning 24 Ft Sec to Dickinson Co Line	4.82	Paved	24	30	35	34	99	99	3387	99

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Dickinson County											
71	Clay Co Line to End 20 Ft Section	4.00	Paved	20	30	27	25	82	82	3387	78
71	End of 20 Ft Section to SCL of Milford	.50	Paved	18	30	21	24	75	75	3587	71
71	NCL of Milford to End of 25 Ft Section	.12	Paved	25	30	22	17	69	69	5122	61
71	End of 25 Ft Section to Jct Ia 32	.58	Paved	18	30	18	23	71	71	5122	63
71	Jct Ia 32 to SCL of West Okobojo	1.26	Paved	18	29	17	19	65	65	4268	58
71	NCL Arnolds Park to SCL Okobojo	.10	Paved	18	29	23	25	77	77	4065	71
71	NCL Okobojo to West Jct Ia 9	2.90	Paved	18	30	23	18	71	71	3352	66
71	West Jct Ia 9 to WCL Spirit Lake	.54	Paved	48	30	35	27	92	92	5030	
71	ECL Spirit Lake to East Jct Ia 9	5.29	Paved	20	30	27	22	79	79	2390	77
71	East Jct Ia 9 to Minnesota State Line	4.97	Paved	20	30	26	23	79	79	878	81
		217.90*									
Wright County											
72	Jct US 69 to WCL of Dows	7.38	Paved	18	27	31	28	86	86	403	90
		7.38*									
Guthrie County											
73	Jct Ia 64 to Carroll Co Line	13.84	Gravel	33	22	33	23	78	76	124	89
Carroll County											
73	Guthrie Co Line to WCL of Coon Rapids	1.12	Gravel	41	20	35	30	85	81	157	90
		14.96*									
Linn County											
74	ECL of Palo to Urban Area Line	7.14	Gravel	48	Under Construction					707	
74	Urban Area Line to WCL of Cedar Rapids	1.09	Gravel	48	Under Construction					707	
		8.23									

Total

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Pottawattamie County											
75	NCL Council Bluffs to Urban Area Line	1.74	Paved	18						3071	
75	Urban Area Line to Begin Asph Conc Sec	9.00	Paved	18						3071	
75	Begin Asph Conc Sec to Begin Conc Sec	1.36	Paved	18						3071	
75	Begin Conc Sec to Harrison Co Line	5.50	Paved	18						3071	
Harrison County											
75	Pottawattamie Co Line to SCL Mo Valley	3.08	Paved	18						2869	
75	NCL Missouri Valley to Jct Ia 127	9.77	Paved	18	21	21	19	61	61	1387	61
75	Jct Ia 127 to Jct Ia 183	1.71	Paved	18	21	18	19	58	58	1478	57
75	Jct Ia 183 to ECL Mondamin	2.55	Paved	18	21	26	24	71	71	1402	71
75	WCL Mondamin to Jct Ia 301	6.84	Paved	18						1524	
75	Jct Ia 301 to Monona Co Line	4.86	Paved	18						1398	
Monona County											
75	Harrison Co Line to Jct Ia 366	4.50	Paved	18						1398	
75	Jct Ia 366 to SCL of Onawa	6.01	Paved	18						1593	
75	NCL of Onawa to SCL of Whiting	6.19	Paved	24	29	29	31	89	89	2129	88
75	NCL of Whiting to Woodbury	6.29	Paved	24	29	32	32	93	93	1975	93
Woodbury County											
75	Monona Co Line to SCL of Sloan Jct Ia 140	1.15	Paved	24	30	31	35	96	96	1975	96
75	WCL of Sloan to ECL of Salix	5.08	Paved	24	30	31	35	96	96	2423	96
75	NCL of Salix to Begin 18' Conc Sec	.76	Paved	24	30	32	35	97	97	4870	97
75	Begin 18' Conc Sec to Jct Ia 230	4.50	Paved	18	26	22	23	71	71	2810	67
75	Jct Ia 230 to Urban Area Line	1.02	Paved	20						2810	
75	Urban Area Line to SCL of Sergeant Bluff	.51	Paved	20						2810	
75	Jct Ia 377 to SCL of Sioux City	2.60	Paved	20						3076	

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Plymouth County											
75	Woodbury Co Line to Begin Widened Sec	4.43	Paved	44	30	35	35	100	100	4995	100
75	Begin Widened Sec to SCL of Hilton	.15	Paved	48	30	35	35	100	100	4995	100
75	NCL of Hilton to End Widened Section	.29	Paved	48	30	35	35	100	100	4995	100
75	End Widened Sec to Begin Widened Sec	5.99	Paved	44	30	35	35	100	100	4675	100
75	Begin Widened Sec to SCL of Merrill	.27	Paved	48	30	35	35	100	100	4675	100
75	NCL of Merrill to SCL of LeMars	4.89	Paved	20	28	21	26	75	75	4698	68
75	NCL of LeMars to West Jct Ia 33	.37	Paved	18	30	23	25	78	78	4139	73
75	West Jct Ia 33 to Sioux Co Line	7.01	Paved	18	Under Construction					1627	
Sioux County											
75	Plymouth Co Line to Int Ia 10	6.07	Paved	18	Under Construction					1592	
75	Int Ia 10 to SCL of Sioux Center	4.80	Paved	18	Under Construction					1799	
75	NCL of Sioux Center to South Jct US 18	6.74	Paved	20	30	26	25	81	81	2094	79
75	South Jct US 18 to North Jct US 18	.79	Paved	20	30	22	21	73	73	2319	70
75	North Jct US 18 to Lyon Co Line	4.20	Paved	20	30	28	27	84	84	1410	86
Lyon County											
75	Sioux Co Line to Jct Ia 167	2.02	Paved	18	30	24	22	76	76	1352	77
75	Jct Ia 167 to Jct Ia 27	4.14	Paved	18	30	23	21	74	74	1830	73
75	Jct Ia 27 to SCL of Rock Rapids	4.52	Paved	18	27	25	23	75	75	1462	74
75	NCL of Rock Rapids to West Jct Ia 9	.19	Paved	20	30	26	24	80	80	2557	77
75	West Jct Ia 9 to Minnesota St Line	5.20	Paved	20	30	28	24	82	82	1037	83
146.39*											
Louisa County											
76	NCL of Columbus City to SCL of Columbus	.62	Bit. S.T.	24	17	31	15	63	63	2530	59
76	NCL of Columbus Jct to Muscatine Co Line	3.11	Paved	24	25	30	32	87	87	325	91

-16-

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Muscatine County											
76	Louisa Co Line to SCL of Conesville	2.51	Paved	24	23	35	34	92	92	300	95
76	NCL of Conesville to SCL of Nichols	6.56	Paved	24	23	35	32	90	90	388	93
76	ECL Nichols to East Jct Ia 22	2.83	Paved	22	27	32	32	91	91	505	93
76	Last Jct Ia 22 to SCL of West Liberty	5.70	Paved	22	27	32	30	89	89	480	91
		21.33*									
Keokuk County											
77	Jct Ia 1 to SCL of Richland Jct Ia 78	1.61	Bit. Pen.	24	18	27	25	70	70	825	73
77	NCL of Richland to End of Conc Sec	.03	Paved	18	18	32	22	72	72	425	79
77	End of Conc Sec to Int Ia 92	10.61	Gravel	40	16	32	28	76	64	397	72
77	Int Ia 92 to WCL of Keota	1.91	Bit. S.T.	22	20	25	12	57	57	630	63
		14.16*									
Keokuk County											
78	Jct Ia 149 to Jct Ia 304	6.65	Bit. S.T.	24	22	29	26	77	77	935	79
78	Jct Ia 304 to West Jct Ia 77	5.13	Bit. S.T.	24	22	31	26	79	79	850	81
78	West Jct Ia 77 to East Jct Ia 77	1.61	Bit. Pen.	24	18	27	25	70	70	825	73
78	East Jct Ia 77 to Jct Ia 1	.29	Bit. S.T.	24	20	35	30	85	85	825	86
78	Jct Ia 1 to Washington Co Line	.86	Bit. Pen.	24	15	33	27	75	75	1330	75
Washington County											
78	Keokuk Co Line to WCL Brighton	5.99	Bit. S.T.	24	15	29	28	72	72	1396	72
78	ECL of Brighton to Jefferson Co Line	.95	Paved	24	27	33	29	89	89	530	91
Jefferson County											
78	Washington Co Line to Henry Co Line	4.35	Paved	24	25	30	30	85	85	514	88

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Henry County											
78	Jefferson Co Line to WCL Wayland	2.46	Paved	24	27	29	28	84	84	563	87
78	WCL Wayland to North Jct US 218	6.01	Paved	24	28	31	25	84	84	675	87
78	North Jct US 218 to NCL Olds	.28	Paved	18	22	26	20	68	68	2560	64
78	SCL Olds to South Jct US 218	.66	Paved	18	19	26	23	68	68	2670	64
78	South Jct US 218 to Jct Ia 249	5.47	Bit. S.T.	24	25	22	29	76	76	640	88
78	Jct Ia 249 to Louisa Co Line	5.51	Paved	22	29	32	30	91	91	543	95
Louisa County											
78	Henry Co Line to WCL of Morning Sun	5.78	Paved	22	29	31	31	91	91	423	93
78	SCL of Morning Sun to Jct US 61	3.64	Bit. S.T.	24	22	31	28	81	81	643	84
Van Buren County											
79	Jct Ia 2 to SCL of Bonaparte	1.57	Paved	18	15	28	23	66	66	480	73
Des Moines County											
80	Jct US 34 to Begin 44 Ft Section	1.88	Paved	18	18	19	15	52	52	1150	53
80	Begin 44 Ft Sec to WCL of Burlington	2.13	Paved	44	24	35	28	87	87	1350	87
Washington County											
81	Jct Ia 92 to Begin Conc Section	8.14	Bit. S.T.	24	23	29	27	79	79	910	81
81	Begin Conc Sec to SCL Wellman	.50	Paved	18	19	25	14	58	58	1030	60
Benton County											
82	NCL of Blairstown to Jct US 30	3.55	Mix. Bit.	22	13	33	27	73	73	595	77

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Pottawattamie County											
83	ECL Avoca to WCL Walnut	5.22	Bit. Pen.	24	21	22	25	68	68	1050	69
83	SCL Walnut to Cass Co Line	5.25	Bit. Pen.	24	21	27	21	69	69	957	71
Cass County											
83	Pottawattamie Co Line to WCL Marne	1.91	Bit. Pen.	26	22	16	21	59	59	940	62
83	ECL of Marne to WCL of Atlantic	5.38	Bit. Pen.	24	24	31	27	82	82	800	84
		17.76*									
Linn County											
84	Cedar Rapids Mun Airport to Jct. Ia 381	1.76	Paved	22	27	35	32	94	94	525	96
84	Jct Ia 381 to Jct US 30 Relocation	2.50	Paved	22	27	35	32	94	94	1012	94
		4.26*									
Poweshiek County											
85	ECL Montezuma to NCL Deep River	7.13	Paved	24	29	31	25	85	85	563	89
		7.13*									
Worth County											
86	NCL of Fertile to Jct Ia 9	.06	Paved	20	30	35	33	98	98	667	99
		.06*									
Polk County											
87	Jct US 69 to WCL of Elkhart	3.56	Mix. Bit.	20	12	24	28	64	64	425	72
		3.56*									

76-

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Pottawattamie County											
92	ECL Council Bluffs to Begin 24 Ft Sec	.70	Paved	18	22	13	10	45	45	3200	39
92	Begin 24 Ft Sec to End 24 Ft Sec	.30	Paved	24	22	26	26	74	74	3200	69
92	End 24 Ft Sec to End Winding Sec	8.00	Paved	18	22	16	12	50	50	3200	44
92	End Winding Sec to South Jct US 59	14.32	Paved	18	22	17	21	60	60	3200	54
92	South Jct US 59 to SCL Oakland	.57	Paved	18	22	16	20	58	58	3667	53
92	ECL Oakland to End 24 Ft Sec	.21	Paved	24	30	35	34	99	99	2360	99
92	End 24 Ft Sec to Cass Co Line	11.57	Paved	18	22	16	19	57	57	2303	54
Cass County											
92	Pottawattamie Co Line to Jct Ia 48	1.03	Paved	18	22	21	18	61	61	2248	58
92	Jct Ia 48 to Jct US 6	2.58	Paved	18	22	14	19	55	55	2484	51
92	Jct US 6 to NCL of Lewis	.50	Paved	24	30	31	25	86	86	679	92
92	SCL of Lewis to North Jct US 71	5.05	Paved	24	30	30	25	85	85	435	90
92	North Jct US 71 to South Jct US 71	2.91	Paved	18	22	21	21	64	64	1776	63
92	South Jct US 71 to Jct Ia 176	5.83	Paved	22	30	33	29	92	92	1256	92
92	Jct Ia 176 to Jct Ia 254	5.42	Paved	22	30	32	30	92	92	1246	92
92	Jct Ia 254 to Int Ia 148	.58	Paved	22	30	35	28	93	93	1467	93
92	Int Ia 148 to Adair Co Line	2.99	Paved	22	30	30	27	87	87	1392	87
Adair County											
92	Cass Co Line to Jct Ia 189	1.67	Paved	22	30	27	28	85	85	1392	85
92	Jct Ia 189 to WCL of Fontanelle	5.84	Paved	22	30	34	29	93	93	1540	93
92	ECL of Fontanelle to WCL of Greenfield	4.15	Paved	18	24	25	20	69	69	1820	68
92	ECL of Greenfield to Madison Co Line	11.58	Paved	18	24	22	20	66	66	1525	65

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Madison County											
92	Adair Co Line to Jct US 162	10.11	Paved	18	24	25	23	72	72	1170	73
92	Jct Ia 162 to WCL of Winterset	1.62	Paved	18	24	27	21	72	72	1640	71
92	NCL of Winterset to Begin Winding Sec	3.20	Paved	24	24	29	28	81	81	2875	78
92	End Winding Section to NCL of Patterson	4.10	Paved	24	24	26	25	75	75	2875	71
92	ECL of Patterson to NCL of Patterson	.28	Paved	24	24	23	25	72	72	2800	68
92	ECL of Patterson to Jct Ia 251	3.86	Paved	24	22	29	31	82	82	2900	79
92	Jct Ia 251 to WCL of Bevington	.57	Paved	24	22	30	28	80	80	3000	77
Warren County											
92	ECL Bevington to WCL Martensdale	2.07	Paved	24	22	30	33	85	85	3000	82
92	SCL Martensdale to WCL Indianola	8.62	Paved	18	22	24	21	67	67	1469	67
92	ECL Indianola to WCL Ackworth	3.21	Paved	18	19	22	19	60	60	1520	59
92	ECL Ackworth to WCL Sandyville	3.79	Paved	18	19	27	22	68	68	1405	68
92	ECL Sandyville to Marion Co Line	2.50	Paved	13	19	22	20	61	61	1337	61
Marion County											
92	Warren Co Line to West Jct Ia 60	3.81	Paved	18	18	20	18	56	56	1272	57
92	West Jct Ia 60 to WCL Knoxville	7.98	Paved	18	19	20	20	59	59	2670	55
92	ECL Knoxville to Jct Ia 310	8.21	Paved	18	18	24	21	63	63	1651	62
92	Jct Ia 310 to Jct Ia 365	3.14	Paved	18	18	24	19	61	61	1575	60
92	Jct Ia 365 to Mahaska Co Line	.25	Paved	18	18	29	19	66	66	1610	65
Mahaska County											
92	Marion Co Line to Sec 22 75 16W	9.35	Paved	18	18	22	20	60	60	1728	58
92	Sec 22 75 16W to WCL of Oskaloosa	1.85	Paved	24	30	31	31	92	92	1790	91
92	ECL of Oskaloosa to Jct Ia 371	3.54	Paved	18	14	19	18	51	51	2500	47
92	Jct Ia 371 to WCL of Rose Hill	5.21	Paved	18	18	18	11	47	47	2313	45
92	ECL of Rose Hill to Keokuk Co Line	2.80	Paved	18	18	17	17	52	52	2200	49

-15-

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Keokuk County											
92	Mahaska Co Line to Jct Ia 21	2.97	Paved	18	18	19	17	54	54	2175	51
92	Jct Ia 21 to Jct Ia 108	1.42	Paved	18	18	15	18	51	51	2490	47
92	Jct Ia 108 to WCL of Sigourney	5.59	Paved	18	18	15	17	50	50	2575	46
92	hCL of Sigourney to East Jct Ia 149	.46	Paved	18	18	17	24	59	59	3175	53
92	East Jct Ia 149 to Jct Ia 159	6.73	Paved	18	16	20	20	56	56	1920	53
92	Jct Ia 159 to Int Ia 77	4.45	Paved	18	16	24	21	61	61	1595	60
92	Int Ia 77 to Washington Co Line	1.00	Paved	18	18	23	19	60	60	1550	59
Washington County											
92	Keokuk Co Line to Begin Asph Conc Sec	.54	Paved	18	18	32	28	78	78	326	85
92	Begin Asph Conc Sec to Begin Conc Sec	.05	Paved	18	18	32	19	69	69	326	78
92	Begin Conc Sec to Begin Asph Conc Sec	2.86	Paved	18	18	32	27	77	77	326	84
92	Begin Asph Conc Sec to Begin Conc Sec	.09	Paved	18	18	32	19	69	69	326	78
92	Begin Conc Sec to Begin Asph Conc Sec	.11	Paved	18	18	32	21	71	71	329	79
92	Begin Asph Conc Sec to Begin Conc Sec	.10	Paved	18	18	22	19	59	59	326	69
92	Begin Conc Sec to Jct Ia 81	2.31	Paved	18	18	30	27	75	75	326	82
92	Jct Ia 81 to 3 Mi West of NE Cor Sec 6 75 8W	.70	Paved	18	18	25	22	65	65	2100	62
92	3 Mi W of NE Cor 6 75 8W to E Line Sec 6 75 8W	.30	Paved	18	18	23	19	60	60	1950	57
92	East Line Sec 6 75 8W to West Jct Ia 1	8.36	Paved	18	18	19	19	56	56	2008	53
92	hCL Washington to WCL Ainsworth	6.01	Paved	18	Under Construction					2933	
92	hCL Ainsworth to Int US 218	.53	Paved	18	Under Construction					3490	
92	Int US 218 to Louisa Co Line	3.11	Paved	18	Under Construction					2380	
Louisa County											
92	Washington Co Line to WCL of Columbus Jct	6.20	Paved	20	22	25	24	71	71	2384	68
92	hCL of Columbus Jct to End 24 Ft Sec	.32	Paved	24	25	35	33	93	93	2530	92
92	End 24 Ft Sec to South Jct US 61 Ia 252	8.38	Paved	20	22	27	25	74	74	2252	71
92	South Jct US 61 to Jct Ia 305	3.01	Paved	18	20	24	20	64	64	2909	59
92	Jct Ia 305 to Muscatine Co Line	1.09	Paved	18	20	22	18	60	60	2983	56

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
		Muscatine County									
92	Louisa Co Line to WCL Muscatine	7.97	Paved	18	20	25	22	67	67	3032	62
		250.53*									
		Bremer County									
93	Jct US 63 to WCL of Tripoli	3.79	Paved	20	30	26	29	85	85	887	86
93	NCL of Tripoli to WCL of Sumner	9.04	Paved	20	30	29	30	89	89	698	92
		Fayette County									
93	Bremer Co Line to Jct Ia 267	10.02	Paved	24	30	26	30	86	86	531	89
93	Jct Ia 267 to WCL of Fayette	3.56	Paved	24	30	24	26	80	80	617	84
		26.41*									
		Linn County									
94	WCL Mt Vernon To Jct Old US 30	5.07	Paved	18	18	24	24	66	66	428	73
94	Jct Old US 30 to Urban Area Line	5.18	Gravel	26	17	25	23	65	51	428	59
94	Urban Area Line to Begin Bit Sec	.36	Gravel	26	17	25	28	70	56	428	63
94	Begin Bit Surf to ECL of Marion	.12	Bit. S.T.	24	14	29	29	72	72	428	78
		10.73*									
		Adams County									
95	ECL Carbon to Jct Ia 148	3.20	Gravel	31	17	27	25	69	61	275	72
		3.20*									
		Marshall County									
96	Jct Ia 14 to Tama Co Line	7.04	Paved	22	25	35	30	90	90	651	94

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
		Tama County									
96	Marshall Co Line to End 22 Ft Sec	3.03	Paved	22	27	33	29	89	89	687	91
96	End 22 Ft Sec to Jct US 63	6.85	Paved	24	Under Construction					613	
		16.92*									
		Lucas County									
97	NCL of Russell to Jct US 34	1.24	Mix. Bit.	22	11	19	15	45	45	1300	45
		1.24*									100
		Van Buren County									
98	Leando Uninc to Douds Uninc	.25	Gravel	20	16	29	27	72	64	300	74
98	Douds Uninc to End Bit Section	.61	Bit. S.T.	20	16	29	27	72	72	300	80
98	End Bit. Sec to Jct Ia 16	.98	Gravel	24	18	23	23	64	58	300	67
		1.84*									
		Des Moines County									
99	NCL of Burlington to End of Conc Section	11.31	Paved	18	23	26	20	69	69	793	73
99	End of Conc Section to Louisa Co Line	6.89	Paved	22	28	31	32	91	91	471	93
		Louisa County									
99	Des Moines Co Line to SCL of Oakville	1.51	Paved	22	29	35	33	97	97	490	98
99	WCL of Oakville to Beg Bit Sec	.80	Paved	22	29	35	31	95	95	110	99
		11.03									
99	Begin Bit Sec to ECL Wapello	31.54*	Bit.	22	30	32	27	89	89	280	92

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating _{UP}				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Pottawattamie County											
100	Jct Ia 375 to WCL Treynor	10.61	Gravel	50	28	33	25	86	66	677	71
100	WCL Treynor to Int US 59	10.12	Gravel	29	Under Construction					392	
100	Int US 59 to Cass Co Line	13.10	Gravel	34	15	31	26	72	64	262	75
Cass County											
100	Pottawattamie Co Line to WCL of Griswold	.49	Gravel	47	22	35	27	84	74	329	82
100	WCL of Griswold to Jct US 71	7.74	Paved	24	30	32	29	91	91	492	98
		42.06*									
Benton County											
101	NCL of Vinton to End of Conc Section	.40	Paved	20	27	30	30	87	87	1015	88
101	End of Conc Section to Jct Ia 363	9.57	Paved	24	26	30	29	85	85	781	87
101	Jct Ia 363 to Jct Ia 150	4.59	Paved	24	29	32	26	87	87	429	90
		14.56*									
Fayette County											
102	NCL of Hawkeye to Jct US 18	1.50	Paved	18	26	32	26	84	84	551	87
		1.50*									
Lee County											
103	Jct US 218 to WCL of West Point	5.94	Bit. S.T.	24	21	29	30	80	80	735	83
103	WCL of West Point to Urban Area Line	7.10	Paved	18	21	27	23	71	71	966	73
103	Urban Area Line to NCL of Ft Madison	1.56	Paved	18	21	28	22	71	71	966	73
		14.60*									
Clarke County											
104	NCL of Woodburn to Jct US 34	1.06	Mix. Bit.	24	19	29	17	65	65	309	74
		1.06*									

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
		Winnebago County									
105	ECL Lake Mills to Worth Co Line	1.02	Paved	22	30	35	32	97	97	541	98
		Worth County									
105	Winnebago Co Line to Jct Ia 379	1.47	Paved	22	30	36	30	95	95	541	96
105	Jct Ia 379 to WCL of Northwood	12.85	Paved	22	30	35	30	95	95	495	96
105	ECL of Northwood to Mitchell Co Line	8.83	Gravel	33	05	31	27	63	55	272	67
		Mitchell County									
105	Worth Co Line to WCL of Carpenter	.77	Gravel	42	14	29	29	72	52	575	57
105	ECL of Carpenter to WCL of St Ansgar	5.28	Gravel	43	14	29	25	68	48	605	53
		30.22*									
		Cerro Gordo County									
106	NR NW Cor Sec 27 96 22 to Begin 24 Ft Sec	2.21	Mix. Bit.	22	07	30	17	54	54	1032	56
106	Begin 24 Ft Section to SCL Clear Lake	1.13	Bit. S.T.	24	12	30	20	62	62	1124	66
106	ECL Clear Lake to Urban Area Line	5.00	Paved	18	28	29	25	82	82	1921	81
106	Urban Area Line to WCL Mason City	1.00	Paved	18	28	29	23	80	80	1921	79
106	ECL Mason City to WCL Mason City	.25	Paved	18	28	25	23	76	76	2266	74
		9.59*									
		Franklin County									
107	Jct Ia 3 to SCL of Alexander	3.00	Bit. Pen.	22	27	33	28	88	88	246	93
107	NCL of Alexander to Cerro Gordo Co Line	6.14	Gravel	42	Under Construction					303	
		Cerro Gordo County									
107	NCL of Meservey to WCL Thornton	5.58	Gravel	28	07	21	07	41	27	405	36
107	NCL of Thornton to SCL Clear Lake	12.07	Paved	24	30	31	27	88	88	514	90
		26.79*									

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
108	NCL of Delta to Jct Ia 92	Keokuk County .45 .45*	Paved	24	24	31	26	81	81	550	85
109	NCL of Oxford to Jct US 6	Johnson County .85 .85*	Paved	18	16	26	20	62	62	550	67
110	Jct US 20 to SCL of Schaller	Sac County 1.19	Paved	18	30	27	23	80	80	824	82
110	NCL of Schaller to Buena Vista Co Line	3.94	Paved	24	30	34	29	93	93	328	95
110	Sac Co Line to Begin Paved Section	Buena Vista County 8.09	Paved	24	30	35	31	96	96	392	97
110	Begin Paved Sec to WCL of Storm Lake	.16 13.38*	Paved	20	30	25	32	87	87	605	90
111	NCL of Kanawha to SCL of Britt	Hancock County 10.06	Paved	18	28	28	25	81	81	877	83
111	NCL of Britt to SCL of Crystal Lake	8.16	Paved	24	30	34	31	95	95	356	92
111	WCL of Crystal Lake to SCL of Woden	5.54 23.76*	Paved	24	28	30	31	89	89	229	87
112	SCL Volga to Jct Ia 13	Clayton County 4.81 4.81*	Bit. S.T.	24	18	26	24	68	68	268	78

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Jackson County											
113	Jct Ia 64 to SCL Spragueville	.75	Paved	22	26	29	25	80	86	370	86
113	NCL Spragueville to LCL Springbrook	8.20	Gravel	26	07	19	16	42	38	249	46
113	WCL Springbrook to End 24 Ft Gravel	.75	Gravel	30	18	33	31	82	72	324	80
113	End 24 Ft Gravel to Jct Ia 62	3.92	Gravel	32	18	30	19	67	61	215	73
		13.62*									
Van Buren County											
114	Missouri St Line to Jct Ia 2	2.22	Paved	22	27	27	30	84	84	400	89
		2.22*									
Story County											
115	Jct US 69 to WCL of Story City	.96	Paved	18	22	29	25	76	76	1397	76
		.96*									
Delaware County											
116	US Fish Hatchery to Jct US 20	1.57	Gravel	30	12	25	21	58	52	205	65
		1.57*									
Jasper County											
117	WCL of Prairie City to East Jct US 6	4.73	Bit. S.T.	24	24	27	26	77	77	445	82
117	WCL of Colfax to LCL of Mingo	7.26	Gravel	30	9	27	18	54	42	370	51
117	WCL of Mingo to Jct US 65 Ia 64	4.59	Gravel	30	8	27	22	52	47	312	57
		16.69*									
Hardin County											
118	Jct Ia 57 to SCL of Steamboat Rock	3.53	Bit. S.T.	22	24	24	17	65	65	924	68
		3.53*									

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
119	Jct Ia 13 to Dorchester Unincorporated	Allamakee County 0.90 0.90*	Gravel	35	Under Construction					123	
120	NCL of Stanton to US 34	Montgomery County 1.86 1.86*	Paved	22	29	33	28	90	90	508	92
121	Jct Ia 50 to Doliver St Park	Webster County .72 .72*	Gravel	22	15	29	31	75	75	69	91
122	NCL of Davenport to Jct Ia 150	Scott County 1.43 1.43*	Paved	18	14	21	19	54	54	1060	56
123	Jct Ia 28 to SCL of Des Moines	Polk County 1.50 1.50*	Paved	48	28	35	31	94	94	7605	91
124	Jct Ia 17 to Twin Lakes State Park	Calhoun County 2.54 2.54*	Gravel	34	9	26	16	51	47	175	61
125	NCL Salem to Jct Us 218	Henry County 2.81 2.81*	Bit. Pen.	24	14	31	26	71	71	370	78

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
126	Jct US 6 to SCL of Mitchellville	Polk County 1.11 1.11*	Paved	20	16	25	26	67	67	4325	60
127	Jct US 75 to WCL Magnolia	Harrison County 3.52	Bit. S.T.	24	24	28	26	78	78	1235	79
127	WCL Magnolia to NCL Logan	5.71 9.23*	Bit. S.T.	24	24	25	25	74	74	1661	75
128	Jct Ia 13 to Jct US 52	Clayton County 7.18 7.18*	Paved	18	25	27	21	73	73	552	78
129	NCL Rome to Jct US 34	Henry County .21 .21*	Bit. Pen.	24	14	35	32	81	81	240	88
130	Maquoketa Cave St Park to Jct US 61	Jackson County 7.00 7.00*	Gravel	26	09	27	18	54	44	338	54
131	ECL of Belle Plaine to Begin 24 Ft Conc	Benton County 4.88	Paved	18	20	22	18	60	60	464	67
131	Begin 24 Ft Conc Sec to Jct US 30	.15 5.03*	Paved	24	27	35	35	97	97	464	98
132	4 Mi West of WCL of Urbandale to Urbandale	Polk County .04 .04*	Paved	20	20	25	17	62	62	4365	55

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Henry County											
133	Oakland Mills St Park to Urban Area Line	3.12	Gravel	30	19	27	25	71	53	550	57
133	Urban Area Line to SCL Mt Pleasant	.43	Gravel	30	19	26	25	70	52	550	56
		3.55*									
Franklin County											
134	Jct US 65 to WCL of Geneva	3.50	Paved	24	30	29	29	88	88	399	92
		3.50*									
Tama County											
135	ECL of Montour to Jct US 30	1.43	Gravel	27	17	30	25	72	68	169	81
		1.43*									
Lee County											
136	Missouri State to Urban Area Line	.13	Paved	18	22	25	17	64	64	3000	59
136	Urban Area Line to WCL Keokuk	.08	Paved	18	22	15	17	54	54	3000	49
Clinton County											
136	Jones Co Line to WCL Lost Nation	3.75	Bit. S.T.	24	20	32	29	81	81	302	87
136	ECL Lost Nation to Int US 61	8.70	Paved	24	26	32	29	87	87	366	91
136	Int US 61 to WCL Delmar	2.49	Paved	18	15	27	24	77	77	840	69
136	ECL Delmar to WCL Charlotte	8.05	Paved	18	15	26	17	58	58	650	64
136	ECL Charlotte to WCL Goose Lake	3.73	Paved	18	15	25	16	56	56	930	59
136	ECL Goose Lake to WCL Clinton	12.56	Paved	18	15	23	15	53	53	1120	55
Jones County											
136	Clinton Co Line to ECL of Oxford Jct	2.78	Bit. S.T.	24	23	33	30	86	86	332	90
136	ECL of Oxford Jct to ECL of Wyoming	6.48	Bit. S.T.	22	24	32	28	84	84	582	87
136	ECL of Wyoming to SCL of Onslow	2.76	Bit. S.T.	22	29	27	27	83	83	614	86
136	ECL of Onslow to Sec 6 85 1W	6.61	Gravel	30	09	26	27	62	48	437	55

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Jones County (Cont'd)											
136	Sec 6 85 1W to Begin Bit Sec	7.50	Gravel	30	21	32	27	80	66	407	73
136	Begin Bit Sec to Dubuque Co Line	.15	Bit. S.T.	20	12	34	31	77	77	444	83
Dubuque County											
136	NCL of Cascade to SCL of Worthington	8.93	Bit. S.T.	22	29	33	26	88	88	241	93
136	NCL of Worthington to SCL of Dyersville	5.08	Paved	20	29	31	29	89	89	351	93
136	NCL Dyersville to SCL of New Vienna	3.59	Paved	24	27	31	26	84	84	530	87
136	NCL of New Vienna to SCL of Luxemburg	4.06	Paved	24	27	27	26	80	80	644	84
		87.43*									
Monroe County											
137	NCL of Albia to Wapello Co Line	12.94	Paved	24	27	29	28	84	84	443	88
Wapello County											
137	Monroe Co Line to WCL of Eddyville	.29	Paved	24	30	26	33	89	89	475	92
Mahaska County											
137	NCL of Eddyville to End of 22 Ft Section	4.79	Paved	22	29	33	29	91	91	1626	90
137	End of 22 Ft Section to SCL of Oskaloosa	3.60	Paved	18	14	23	12	49	49	1665	48
		21.62									
Appanoose County											
138	Jct Ia 2 to SCL of Mystic	2.96	Mix. Bit.	22	11	24	18	53	53	800	57
		2.96*									
Howard County											
139	NCL of Protivin to SCL of Cresco	10.74	Paved	24	30	30	29	89	89	460	92
139	SCL Cresco to East Jct Ia 9	.90	Paved	18	22	24	18	64	64	1435	63
139	East Jct Ia 9 to Winneshiek Co Line	.17	Gravel	28	30	33	30	93	79	409	95

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
139	Jct Ia 9 to Minn State Line	Winneshiek County 11.52 23.33*	Gravel	30	Under Construction					376	
		Woodbury County									
140	Jct US 75 to End of Bit Sec	.22	Bit. S.T.	22	30	35	31	96	96	145	98
140	End Bit Sec to SCL of Hornick	6.51	Gravel	34	30	34	32	96	96	97	99
140	NCL of Hornick to Int Ia 141	3.09	Gravel	36	29	35	32	96	94	117	98
140	Int Ia 141 to Begin of Bit Sec	5.85	Gravel	32	26	25	19	70	64	241	76
140	Begin Bit Sec to Gravel section	.26	Bit. S.T.	22	Under Construction					480	
140	Begin of Gravel to Int US 20	10.23	Gravel	36	24	28	29	81	65	467	72
140	Int US 20 to SCL of Merville	.68	Paved	20	29	31	31	91	91	1040	91
140	NCL of Merville to Jct Ia 243	4.19	Paved	20	30	30	31	91	91	475	93
140	Jct Ia 243 to Plymouth Co Line	1.21	Paved	20	30	35	34	99	99	291	99
		Plymouth County									
140	Woodbury Co Line to WCL of Kingsley	2.33	Paved	20	30	34	30	94	94	291	96
140	WCL of Kingsley to Jct Ia 3	15.17 49.74*	Paved	36	28	31	27	86	76	285	86
		Woodbury County									
141	ECL of Sioux City to Int Ia 140	18.45	Paved	18	24	20	13	57	57	1453	57
141	Int Ia 140 to WCL of Smithland	10.04	Paved	18	29	24	15	68	68	1050	69
141	WCL of Smithland to Monona Co Line	1.75	Paved	18	26	24	23	73	73	1329	73

-601-

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Monona County											
141	Woodbury Co Line to WCL of Mapleton	5.91	Paved	18	28	21	14	63	63	1349	63
141	SCL of Mapleton to WCL of Ute	10.01	Paved	18	27	19	07	53	53	1109	55
141	ECL of Ute to Crawford Co Line	1.50	Paved	18	30	16	18	64	64	1294	65
Crawford County											
141	Monona Co Line to WCL Charter Oak	4.14	Paved	18	25	29	25	79	79	1275	80
141	ECL of Charter Oak to North Jct US 59	10.10	Paved	18	30	25	20	75	75	1335	75
141	North Jct US 59 to WCL Denison	1.51	Paved	18	30	20	12	62	62	2231	59
141	SCL Denison to South Jct Ia 59	6.80	Paved	18	30	21	20	71	71	1881	70
141	South Jct US 59 to Jct Ia 45	6.16	Paved	18	30	23	20	73	73	775	76
141	Jct Ia 45 to Carroll Co Line	7.14	Paved	18	30	29	24	83	83	722	86
Carroll County											
141	Crawford Co Line to WCL of Manning	.77	Paved	18	23	24	19	66	66	779	69
141	ECL of Manning to West Jct US 71	6.35	Paved	18	22	25	21	68	68	870	71
141	West Jct US 71 to East Jct US 71	2.60	Paved	18	21	21	19	61	61	1480	60
141	East Jct US 71 to West Jct Ia 161	2.57	Paved	22	22	31	27	80	80	624	83
141	West Jct Ia 161 to WCL of Dedham	.40	Paved	22	29	35	27	91	91	357	94
141	SCL of Dedham to East Jct Ia 161	.53	Paved	22	29	31	25	85	85	322	90
141	East Jct Ia 161 to End of Concrete Sec	6.31	Paved	22	29	33	26	88	88	572	90
141	Begin Proposed Rel to WCL Coon Rapids	1.32	Bit. S.T.	20	14	27	13	54	54	583	60
141	End Relocation to Greene Co Line	1.96	Bit. S.T.	22	11	29	25	65	65	589	70
Greene County											
141	Carroll Co Line to Jct Ia 25	4.08	Mix. Bit.	22	11	28	28	67	67	668	72
141	Jct Ia 25 to Guthrie Co Line	1.00	Mix. Bit.	22	15	31	29	75	75	810	77

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Guthrie County											
141	Greene Co Line to Begin Conc Sec	.56	Bit. S.T.	24	22	33	32	87	87	810	88
141	Begin Conc Sec to Jct Ia 361	.30	Paved	18	22	28	21	71	71	810	72
141	Jct Ia 361 to Begin Conc Sec	.56	Bit. S.T.	24	22	35	24	82	82	656	85
141	Begin Conc Sec to South Jct Ia 25	2.49	Paved	22	27	35	31	93	93	656	95
141	South Jct Ia 25 to WCL of Bagley	3.26	Paved	22	29	35	33	97	97	646	98
141	WCL of Bagley to North Jct Ia 17	3.34	Paved	22	29	31	31	91	91	655	93
141	North Jct Ia 17 to South Jct Ia 17	.23	Paved	22	29	35	34	98	98	505	98 ¹
141	South Jct Ia 17 to Jct Ia 342	3.35	Paved	22	29	35	31	95	95	637	96 ¹
141	Jct Ia 342 to Dallas Co Line	1.49	Paved	22	29	34	32	95	95	930	96
Dallas County											
141	Guthrie Co Line to Jct Ia 335	3.01	Paved	22	30	28	32	90	90	958	91
141	Jct Ia 335 to End Conc Paving	5.05	Paved	20	24	31	28	83	83	1284	83
141	End Conc Paving to WCL Perry	.10	Bit. S.T.	20	15	32	30	77	77	1291	77
141	ECL Perry to Int US 169	3.09	Paved	18	Under Construction					2375	
141	Int US 169 to Jct Ia 89	5.47	Paved	20	27	24	16	67	67	758	71
141	Jct Ia 89 to WCL Granger	7.47	Paved	24	30	30	31	91	91	370	93
141	ECL Granger To Polk Co Line	.26	Gravel	33	14	35	30	79	59	600	65
Polk County											
141	Dallas Co Line to Paved Sec	8.12	Gravel	27	07	27	18	52	38	445	45
141	Begin Pav Sec to Urban Area Line	2.47	Paved	20	09	26	10	45	45	1625	44
141	Urban Area Line to Jct Ia 64	.24	Paved	20	09	32	26	67	67	1625	66
141	North Jct Ia 64 to NCL Des Moines	2.29	Paved	20	08	24	19	51	51	3897	44
		164.55*									

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
142	Mo St Line to Appanoose Co Line	Davis County 2.40	Gravel	28	21	27	28	76	72	165	84
142	Davis Co Line to SCL of Moulton	Appanoose County 4.75	Gravel	28	21	30	27	78	70	300	78
142	NCL of Moulton to Jct Ia 2	2.28	Paved	22	30	32	28	90	90	680	92
		9.43*									
		Cherokee County									
143	Woodbury Co Line to Int Ia 3	16.99	Gravel	34	29	31	29	89	83	232	90
143	Int Ia 3 to SCL of Marcus	1.12	Paved	18	29	28	29	86	86	100	95
143	NCL of Marcus to Obrien Co Line	5.81	Gravel	32	29	31	30	90	84	243	91
		O'Brien County									
143	Cherokee Co Line to Jct Ia 10	5.00	Gravel	34	29	34	30	93	89	172	95
		28.92*									
		Dallas County									
144	NCL Perry to Boone Co Line	.45	Bit. S.T.	24	22	31	24	77	77	1170	78
		Boone County									
144	Dallas Co Line to Greene Co Line	4.91	Bit. S.T.	24	23	32	23	78	78	1173	79
		Greene County									
144	Boone Co Line to SCL of Rippey	2.58	Bit. S.T.	24	22	31	25	78	78	1174	79
144	WCL of Rippey to South Jct US 30	6.41	Bit. Pen.	24	22	31	28	81	81	1188	82
144	South Jct US 30 to SCL Grand Junction	.44	Paved	18	19	23	19	61	61	2723	57
144	NCL of Grand Jct to SCL of Dana	4.16	Bit. Pen.	22	24	33	23	85	85	608	88
144	NCL of Dana to Jct Ia 397	3.82	Gravel	42	Under Construction					373	
144	Jct Ia 397 to Webster Co Line	3.01	Gravel	43	Under Construction					272	

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
144	Greene Co Line to Jct Ia 175	4.00 29.79*	Gravel	22	Under Construction					248	
145	ECL of Thurman to Jct US 275	3.81 3.81*	Mix. Bit.	22	18	30	21	69	69	575	74
146	NCL of New Sharon to Poweshiek Co Line	2.22	Gravel	34	16	30	27	73	59	415	67
146	Mahaska Co Line to SCL Searsboro	6.90	Gravel	34	18	31	23	72	58	431	66
146	WCL Searsboro to Urban Area Line	9.70	Gravel	34	18	31	24	73	63	350	72
146	Urban Area Line to SCL Grinnell	.50	Gravel	34	18	34	21	73	63	350	72
146	NCL Grinnell to Urban Area Line	.51	Paved	24	29	35	34	98	98	736	98
146	Urban Area Line to Tama Co Line	7.52	Paved	24	29	29	30	88	88	736	90
146	Poweshiek Co Line to Marshall Co Line	2.87	Paved	24	29	35	29	93	93	629	94
146	Tama Co Line to ECL of Gilman	.85	Paved	24	26	35	30	91	91	607	93
146	NCL of Gilman to Begin Surface Type Change	6.62	Bit. S.T.	24	22	34	29	85	85	796	87
146	Begin Surface Type Change to Jct US 30	1.82 39.51*	Paved	24	19	34	25	78	78	800	81

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Floyd County											
147	ECL of Rockford to Jct Ia 14	6.57	Bit. S.T.	24	28	30	26	84	84	427	88
147	Jct US 218 to NCL of Rockford	5.70	Gravel	34	13	35	28	76	72	293	77
		12.27*									
Taylor County											
148	Mo State Line to SCL of Bedford	7.52	Paved	20	28	32	28	88	88	985	89
148	NCL of Bedford to South Jct Ia 319	5.53	Mix. Bit.	24	13	28	19	60	60	1030	62
148	South Jct Ia 319 to North Jct Ia 319	.19	Mix. Bit.	24	15	24	32	71	71	900	73
148	North Jct Ia 319 to Adams Co Line	9.80	Mix. Bit.	24	15	24	25	64	64	832	67
Adams County											
148	Taylor Co Line to SCL Corning	5.98	Bit. S.T.	24	17	27	27	71	71	677	75
148	NCL of Corning to Jct Ia 95	3.40	Paved	22	29	34	27	90	90	570	92
148	Jct Ia 95 to Cass Co Line	8.15	Gravel	33	21	27	25	73	61	391	69
Cass County											
148	Adams Co Line to Int Ia 192	6.92	Gravel	30	21	26	24	71	55	469	62
148	Int Ia 92 to SCL of Anita	12.29	Gravel	40	21	32	26	79	67	379	74
		59.78*									
Keokuk County											
149	Jct US 63 to WCL of Hedrick	4.95	Paved	18	21	26	23	70	70	1385	70
149	ECL of Hedrick to WCL of Martinsburg	2.06	Paved	18	21	26	21	68	68	1400	67
149	ECL of Martinsburg to Jct Ia 78	1.57	Paved	18	21	29	24	74	74	1450	73
149	Jct Ia 78 to Jct Ia 180	6.37	Paved	18	19	26	21	66	66	1100	67
149	Jct Ia 180 to SCL of Sigourney	3.96	Paved	18	19	26	22	67	67	1250	68
149	ECL Sigourney to East Jct Ia 92	.46	Paved	18	18	17	24	59	59	3175	53
149	East Jct 92 to SCL of Webster	7.21	Paved	18	19	24	21	64	64	1327	65

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Keokuk County (Cont'd)											
149	ECL Webster to SCL South English	3.57	Paved	18	19	24	22	65	65	1050	66
149	NCL of South English to Iowa Co Line	4.04	Paved	18	20	22	22	64	64	1057	66
Iowa County											
149	Keokuk Co Line to WCL of North English	.05	Paved	18	24	29	27	80	80	1085	81
149	NCL of North English to WCL of Parnell	7.79	Paved	18	24	22	21	67	67	895	69
149	NCL of Parnell to SCL of Williamsburg	4.73	Paved	18	24	25	21	70	70	1213	70
149	NCL of Williamsburg to Jct Ia 209	4.46	Paved	18	17	25	21	63	63	1235	64
149	Jct Ia 209 to West Jct US 6	3.77	Paved	18	17	25	23	65	65	1150	66
149	West Jct US 6 to Int Ia 220	1.99	Paved	24	14	26	29	69	69	3800	63
149	Int Ia 220 to Sec 5 80 9W	2.83	Paved	24	14	33	32	79	79	4050	73
149	Sec 5 80 9W to East Jct Ia 149	2.00	Paved	24	14	25	27	66	66	3600	60
149	East Jct US 6 to Int Ia 220	3.18	Paved	18	17	16	23	56	50	3800	49
149	Int Ia 220 to Benton Co Line	4.21	Paved	18	17	21	21	59	59	1818	57
Benton County											
149	Ia Co Line to Linn Co Line	2.66	Paved	18	24	27	17	68	68	1887	67
Linn County											
149	Benton Co Line to SCL of Fairfax	3.17	Paved	18	23	23	22	68	68	2021	65
149	NCL of Fairfax to Urban Area Line	4.18	Paved	18	23	21	22	66	66	2171	63
149	Urban Area Line to Int Us 30	.72	Paved	18	23	20	20	63	63	2171	60
149	Jct Us 30 to WCL Cedar Rapids	.13	Paved	20	16	28	20	64	64	2834	61
80.37*											
Scott County											
150	NCL of Davenport to Jct Ia 122	2.02	Paved	18	05	20	14	39	39	911	42
150	Jct Ia 122 to Begin Conc Sec	4.31	Paved	18	05	25	16	46	46	1777	47

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Scott County (Cont'd)											
150	Begin Conc Sec to ECL of Maysville	2.65	Paved	18	09	23	15	47	47	1550	41
150	WCL Maysville to ECL Plainview	3.09	Paved	18	09	26	21	56	56	1405	55
150	WCL of Plainview to ECL of New Liberty	5.57	Paved	18	09	23	14	46	46	1275	48
150	WCL of New Liberty to Cedar Co Line	1.29	Paved	18	09	29	21	59	59	1172	60
Cedar County											
150	Scott Co Line to ECL Bennett	4.18	Paved	20	24	31	28	83	83	1208	83
150	NCL Bennett to ECL Tipton	9.32	Paved	20	24	30	25	79	79	1431	79
150	NCL Tipton to North Jct Ia 38	7.73	Paved	18	17	27	19	63	63	1452	63
150	Jct Ia 38 to ECL Stanwood	.46	Paved	24	22	35	30	87	87	3270	84
150	WCL Stanwood to End Asph Conc	.17	Paved	24	26	35	35	96	96	3270	95
150	End Asph Conc to End Conc Sec	.77	Paved	24	22	27	30	79	79	3270	75
150	End Conc Sec to End Asph Conc Sec	.17	Paved	24	26	31	32	89	89	3270	87
150	End Asph Conc to End Conc Sec	.60	Paved	24	22	28	34	84	84	3250	81
150	End Conc Sec to End Asph Conc Sec	.38	Paved	24	26	35	30	91	91	3250	89
150	End Asph Conc Sec to ECL Mechanicsville	2.87	Paved	24	22	32	31	85	85	3300	82
150	WCL Mechanicsville to Linn Co Line	5.49	Paved	24	22	34	31	87	87	3450	84
Linn County											
150	Cedar Co Line to ECL Lisbon	.82	Paved	24	27	35	29	91	91	2930	90
150	WCL Lisbon to Jct Ia 94	.25	Paved	24	27	27	27	81	81	2150	79
150	Jct Ia 94 to Jct Ia 261	.68	Paved	24	27	33	31	91	91	2000	90
150	Jct Ia 261 to Urban Area Line	10.25	Paved	24	27	32	32	91	91	2540	90
150	Urban Area Line to Jct US 218	1.99	Paved	24	27	33	32	92	92	2540	91
150	Jct US 218 to Jct Ia 84	1.02	Paved	24	27	33	34	94	94	2250	93
150	Jct Ia 84 to SCL Cedar Rapids	.83	Paved	20	27	29	25	81	81	2450	79
150	NCL of Cedar Rapids to ECL Hiawatha	.42	Paved	24	19	26	25	70	70	3250	65
150	NCL of Hiawatha to Urban Area Line	.43	Paved	24	19	26	30	75	75	3010	71

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Linn County (Cont'd)											
150	Urban Area Line to SCL of Center Point	11.17	Paved	24	19	26	31	76	76	3010	72
150	NCL of Center Point to SCL of Walker	5.60	Paved	24	19	24	30	73	73	2562	70
150	WCL of Walker to Benton Co Line	2.23	Paved	24	19	28	30	77	77	2492	74
Benton County											
150	Linn Co Line to Jct Ia 101	3.13	Paved	24	20	24	33	77	77	2468	74 ¹
150	Jct Ia 101 to Buchanan Co Line	.81	Paved	18	20	22	17	59	59	2143	56 ¹
Buchanan County											
150	Benton Co Line to Jct Ia 283	1.00	Paved	22	25	27	29	81	81	2143	79
150	Jct Ia 283 to Jct Ia 336	4.00	Paved	22	25	23	27	75	75	2153	74
150	Jct Ia 336 to SCL of Independence	6.29	Paved	22	26	27	28	81	81	2375	80
150	NCL of Independence to Sec 34 90 9W	6.92	Paved	24	19	25	24	68	68	3260	63
150	Sec 34 90 9W to SCL of Hazelton	2.84	Paved	24	19	27	24	70	70	3188	65
150	NCL of Hazelton to Fayette Co Line	1.22	Paved	24	18	28	26	72	72	2922	68
Fayette County											
150	Jct Ia 190 to SCL of Oelwein	1.32	Paved	18	13	20	14	47	47	3235	41
150	NCL of Oelwein to SCL of Oelwein	.27	Paved	18	25	22	21	68	68	3275	63
150	NCL of Oelwein to North Jct Ia 3	1.64	Paved	18	Under Construction				2872		
150	North Jct Ia 3 to Jct Ia 295	4.81	Paved	18	15	25	14	54	54	1472	53
150	Jct Ia 295 to WCL Maynard	.67	Paved	18	15	28	23	66	66	1680	65
150	ECL of Maynard to Jct Ia 154	3.29	Paved	18	15	22	15	52	52	893	55
150	Jct Ia 154 to SCL of Fayette	3.98	Paved	18	15	22	13	50	50	1510	49
150	NCL of Fayette to SCL of West Union	6.81	Paved	18	15	25	13	53	53	1547	52
150	NCL of West Union to Winneshick Co Line	7.80	Mix. Bit.	24	Under Construction				605		

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
		Winnebago County									
150	Fayette Co Line to SCL of Calmar	7.16	Mix. Bit.	24	10	24	21	55	55	494	62
		150.72*									
		Linn County									
151	Jct US 30 to WCL Cedar Rapids	.12	Paved	18	18	15	17	50	50	2834	46
151	ECL of Marion to Urban Area Line	.57	Paved	18	18	18	20	56	56	4119	47
151	Urban Area Line to Jct Ia 13	.48	Paved	18	18	16	22	56	56	4119	47
151	Jct Ia 13 to WCL of Springville	6.16	Paved	18	18	18	18	54	54	2856	49
151	ECL of Springville to Jones Co Line	3.88	Paved	18	18	25	20	63	63	2664	59
		Jones County									
151	Linn Co Line to Jct Ia 261	1.51	Paved	18	25	26	23	74	74	2664	71
151	Jct Ia 261 to SCL Anamosa	3.23	Paved	18	15	19	06	40	40	3703	33
151	ECL Anamosa to SCL Monticello	10.02	Paved	18	15	22	09	46	46	1898	44
151	ECL Monticello to WCL Cascade	9.38	Paved	18	15	22	08	45	45	1351	45
		Dubuque County									
151	NCL of Cascade to South Jct US 61	20.49	Paved	18	13	21	18	52	52	1315	52
151	Jct US 61 to Jct US 52	1.19	Paved	18	10	20	12	42	42	4909	34
151	Jct US 52 to SCL Dubuque	.81	Paved	18	08	11	17	36	36	5423	27
		57.84*									
		Clarke County									
152	Jct US 34 to SCL Murray	.51	Mix. Bit.	22	19	27	24	70	70	515	75
		.51*									

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Johnson County											
153	Jct US 6 to South Line Sec 25 8 7W	1.38	Gravel	30	19	22	15	56	36	650	42
153	South Line Sec 25 8 7W to Jct US 218	3.90	Gravel	30	22	27	29	78	68	335	77
		5.28*									
Fayette County											
154	Jct Ia 150 to WCL of Arlington	7.63	Paved	22	27	27	24	78	78	346	86
154	SCL of Arlington to Jct Ia 3	4.07	Paved	22	27	33	28	88	88	288	93
		11.70									
Adams County											
155	NCL Nodaway to Jct US 34	4.18	Paved	24	30	29	29	88	88		95
		4.18*									
Marion County											
156	Ia 60 to WCL of Bussey	4.76	Paved	22	26	28	27	75	75	400	79
		4.76*									
Howard County											
157	Jct US 63 to WCL Lime Springs	.74	Paved	18	27	32	23	82	82	726	84
		.74*									
Warren County											
158	Jct Ia 60 to WCL Carlisle	.05	Mix. Bit.	23	15	35	31	81	81	650	84
		.05*									

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
159	Jct Ia 92 to SCL of Harper	Keokuk County 1.82 1.82*	Bit. S.T.	23	20	35	30	85	85	400	89
160	Jct Ia 60 to Jct US 69	Polk County 1.30 1.30*	Paved	22	26	32	28	86	86	2640	84
161	West Jct Ia 141 to WCL of Dedham	Carroll County .36	Paved	18	21	26	25	72	72	267	80
161	SCL of Dedham to South Jct Ia 141	.12 .48*	Paved	18	21	29	20	70	70	322	78
162	Pammel State Park to Jct Ia 92	Madison County 2.71 2.71*	Bit. S.T.	22	25	27	20	72	72	120	86
163	WCL of Des Moines to Sec 5 78 23W	Polk County .50	Paved	20	23	21	23	67	67	2860	63
163	Sec 5 78 23W to Jct Ia 316	7.38	Paved	20	18	20	19	57	57	2472	53
163	Jct Ia 316 to Jasper Co Line	2.52	Paved	20	18	20	20	58	58	2005	55
163	Polk Co Line to WCL of Prairie City	Jasper County 4.50	Paved	18	Under Construction				2055		
163	WCL of Prairie City to WCL of Monroe	8.16	Paved	18	Under Construction				2042		
163	WCL of Monroe to Marion Co Line	.88	Paved	18	Under Construction				2050		

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
		Marion County									
163	Jasper Co Line to WCL of Pella	11.02	Paved	18						2057	
163	ECL of Pella to Mahaska Co Line	1.83	Paved	18						2505	
		Mahaska County									
163	Marion Co Line to WCL of Oskaloosa	12.75	Paved	18						2431	
		49.54*									
		Boone County									
164	Ledges St Park to Relocation US 30	4.40	Gravel	24	17	20	20	57	47	336	57
164	Relocation US 30 to SCL of Boone	.75	Gravel	24	17	18	14	49	39	336	49
		5.15*									
		Lyon County									
167	NCL of Doon to Jct US 75	2.69	Paved	18	30	31	27	88	88	355	92
		2.69*									
		Pottawattamie County									
168	Jct Ia 64 to Shelby Co Line	2.15	Mix. Bit.	22	18	31	25	74	74	450	80
		Shelby County									
168	Pottawattamie Co Line to SCL of Shelby	.50	Mix. Bit.	22	18	31	25	74	74	450	80
		2.65*									

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating	
					Structural Adequacy	Safety	Service	Total Basic				
Ringgold County												
169	Mo State Line to SCL Redding	1.73	Paved	24	30	23	27	80	86	350	86	
169	ECL of Redding to West Jct Ia 2	12.54	Paved	24	30	30	26	26	86	375	86	
169	West Jct Ia 2 to WCL of Mt Ayr	1.13	Paved	20	28	28	26	82	82	1750	81	
169	ECL of Mt Ayr to East Jct Ia 2	.55	Paved	20	28	27	25	80	80	930	82	
169	Last Jct Ia 2 to Jct Ia 344	1.51	Paved	20	26	28	24	78	78	930	80	
169	Jct Ia 344 to Jct Ia 259	7.99	Paved	20	28	29	24	81	81	815	83	
169	Jct Ia 259 to Union Co Line	2.99	Paved	20	28	30	24	82	82	932	83	
Union County												
169	Ringgold Co Line to SCL of Arispe	3.23	Paved	18	22	25	21	68	68	1048	69	
169	NCL of Arispe to SCL of Afton	4.93	Paved	18	22	20	21	63	63	1092	65	
169	ECL Afton to Last Jct Us 34	5.50	Paved	18	24	21	22	67	67	1853	65	
169	Last Jct US 34 to SCL of Lorimor	7.18	Paved	18	25	26	20	71	71	838	74	
169	NCL of Lorimor to Madison Co Line	1.80	Paved	18	25	25	21	71	71	1060	72	
Madison County												
169	Union Co Line to Jct Ia 70	3.87	Paved	18	22	24	20	66	66	1079	67	
169	Jct Ia 70 to Jct Ia 307	2.77	Paved	18	22	24	19	65	65	1240	66	
169	Jct Ia 307 to Begin Asph Conc	2.10	Paved	18	21	24	19	64	64	1510	63	
169	Begin Asph Conc to SCL Winterset	3.85	Paved	18	21	22	16	59	59	1575	58	
169	NCL of Winterset to North Jct 92	.15	Paved	20	24	35	30	89	89	1490	89	
169	North Jct Ia 92 to End Asph Conc Sec	4.60	Paved	20	24	24	24	72	72	1690	71	
169	End Asph Conc Sec to Dallas Co Line	6.50	Paved	20	24	28	25	77	77	1382	76	
Dallas County												
169	Madison Co Line to Int Ia 90	.99	Paved	20	27	30	28	85	85	1382	85	
169	Int Ia 90 to SCL Adel	6.50	Paved	22	30	32	29	91	91	1325	91	
169	NCL Adel to Int Ia 64	4.50	Paved	18	Under Construction						2790	

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Dallas County (Cont'd)											
169	Int Ia 64 to End 18 Ft Asph Conc Sec	.15	Paved	18	Under Construction					2948	
169	End 18 Ft Asph Conc to End 18 Ft Conc Sec	1.06	Paved	18	Under Construction					2990	
169	End 18 Ft Conc Sec to End Asph Conc Sec	1.30	Paved	18	Under Construction					2925	
169	End Asph Conc Sec to SCL Minburn	2.25	Paved	18	Under Construction					2953	
169	NCL Minburn to Int Ia 141	5.00	Paved	18	Under Construction					2733	
169	Int Ia 141 to Boone Co Line	1.94	Paved	20	30	31	27	88	88	1215	88
Boone County											
169	Dallas Co Line to SCL of Ogdan	11.58	Paved	20	30	27	30	87	87	1420	87
169	WCL of Ogdan to East Jct Us 30	.42	Paved	20	30	32	30	92	92	871	93
169	East Jct Us 30 to West Jct Us 30	2.93	Paved	24	30	34	33	97	97	3478	96
169	West Jct Us 30 to Jct Ia 329	8.82	Paved	18	24	28	27	79	79	1850	78
169	NCL of Boxholm to Webster Co Line	2.10	Paved	18	24	27	25	76	76	1139	77
Webster County											
169	Boone Co Line to East Jct Ia 175	3.90	Paved	18	22	24	26	72	72	1115	73
169	East Jct Ia 175 to West Jct Ia 175	4.20	Paved	18	22	27	25	74	74	1490	75
169	West Jct Ia 175 to Int Ia 50	6.90	Paved	18	22	29	26	77	77	1955	74
169	Int Ia 50 to Urban Area Line	7.71	Paved	18	22	23	23	68	68	2456	65
169	Urban Area Line to Jct Us 20	.92	Paved	18	22	23	19	64	64	2456	60
169	Jct Us 20 to WCL Ft Dodge	.92	Paved	24	22	27	28	77	77	6575	68
169	NCL Ft Dodge to Urban Area Line	.74	Paved	18	25	22	21	68	68	2725	64
169	Urban Area Line to Jct Ia 320	5.69	Paved	18	25	24	20	69	69	2725	65
169	Jct Ia 320 to Sec 12 90 29W	1.53	Paved	18	25	23	17	65	65	2312	62
169	Sec 12 90 29W to Humboldt Co Line	3.00	Paved	18	25	23	21	69	69	2217	66

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Humboldt County											
169	Webster Co Line to Jct Cutoff to Ia 3	4.76	Paved	18	23	24	20	67	67	2249	64
169	Jct Cutoff Ia 3 to SCL of Humboldt	.62	Paved	18	23	22	19	64	64	3112	59
169	NCL of Humboldt to Jct Ia 367	1.49	Paved	20	29	25	25	79	79	2579	76
169	Jct Ia 367 to Int Ia 222	7.09	Paved	20	29	24	25	78	78	2210	76
169	Int Ia 222 to Kossuth Co Line	3.10	Paved	20	29	27	25	81	81	1842	80
Kossuth County											
169	Humboldt Co Line to Begin 18 Ft Sec	6.37	Paved	20	24	27	29	80	80	1902	79
169	Begin 18 Ft Sec to Jct Ia 274	2.55	Paved	18	24	17	22	63	63	2335	60
169	Jct Ia 274 to SCL Algona	1.49	Paved	18	24	18	24	66	66	2413	63
169	NCL Algona to Int Us 18	.28	Paved	44	30	34	29	93	93	3547	91
169	Int Us 18 to SCL Bancroft	15.03	Paved	18	18	22	20	60	60	1977	58
169	NCL Bancroft to West Jct Ia 9	6.13	Paved	18	18	26	23	67	67	1371	67
169	West Jct Ia 9 to Jct Ia 250	5.64	Paved	18	19	25	25	69	69	1700	68
169	Jct Ia 250 to East Jct Ia 9	.39	Paved	18	19	29	27	75	75	1716	74
169	East Jct Ia 9 to Jct Ia 91	3.05	Paved	20	30	30	29	89	89	855	90
169	Jct Ia 91 to Minnesota State Line	4.83	Paved	20	30	31	29	90	90	938	91
		222.95*									

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
170	End State Maintenance to Jct US 18	Clay County 1.62 1.62*	Paved	18	30	29	27	86	86	760	87
171	ECL of Elberon to Jct Ia 21	Tama County .60 .60*	Gravel	35	14	27	22	63	55	260	67
172	WCL of Elgin to SCL of Clermont	Fayette County 3.24 3.24*	Mix. Pen.	22	12	21	16	49	49	475	56
173	NCL of Elk Horn to Audubon Co Line	Shelby County .22	Mix. Bit.	22	Under Construction					440	
173	Shelby Co Line to SCL of Kimballton	Audubon County 1.38 1.60*	Mix. Bit.	22	Under Construction					440	
174	NCL of Farragut to Jct Ia 2	Fremont County 3.20 3.20*	Mix. Bit.	22	15	30	27	72	72	700	76
175	Begin Ia 175 to Jct Ia 324	Monona County 1.55	Gravel	22	Under Construction					50	
175	Jct Ia 324 to WCL Onawa	2.29	Gravel	22	Under Construction					350	
175	ECL Onawa to WCL Turin	4.74	Paved	20	30	28	29	87	87	999	88
175	Turin to East Jct Ia 37	.44	Bit. S.T.	22	22	26	31	83	83	924	85
175	East Jct Ia 37 to SCL Castana	4.30	Gravel	42	Under Construction					368	
175	NCL of Castana to WCL of Mapleton	7.73	Gravel	42	Under Construction					450	
175	NCL of Mapleton to Woodbury Co Line	3.28	Paved	22	30	34	31	95	95	802	96

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Woodbury County											
175	Monona Co Line to WCL of Danbury	2.35	Paved	22	30	35	34	99	99	802	99
175	WCL of Danbury to Ida Co Line	3.29	Paved	22	30	35	32	97	97	742	98
Ida County											
175	Woodbury Co Line to SCL of Battle Creek	4.24	Paved	20	25	32	27	84	84	754	85
175	ECL of Battle Creek to West Jct US 59	5.47	Paved	20	30	32	28	90	90	803	91
175	West Jct US 59 to WCL Ida Grove	.98	Paved	20	30	31	26	87	87	1514	86
175	East Jct US 59 to ECL of Ida Grove	1.40	Paved	20	30	32	30	92	92	1629	92
175	East Jct US 59 to WCL of Arthur	4.51	Paved	20	30	32	24	86	86	1014	87
175	WCL of Arthur to Sac County Line	1.35	Paved	20	30	32	29	91	91	1090	92
Sac County											
175	Ida Co Line to WCL of Odebolt	3.04	Paved	20	30	30	26	86	86	1126	87
175	West Jct 4 to West Jct US 71	5.53	Paved	20	30	29	28	87	87	1429	86
175	West Jct US 71 to Jct Ia 36	2.80	Paved	20	30	28	27	85	85	1484	84
175	Jct Ia 36 to WCL Lake View	1.46	Paved	20	30	30	27	87	87	1518	87
175	ECL Lake View to Jct Ia 196	4.09	Paved	20	30	29	28	87	87	1521	87
175	Jct Ia 196 to WCL auburn	7.64	Paved	20	30	31	27	88	88	1544	88
175	East Jct US 71 to Calhoun Co Line	1.06	Paved	20	30	29	29	88	88	1238	88
Calhoun County											
175	Sac Co L to WCL of Lake City	5.25	Paved	20	21	30	26	77	77	1229	78
175	ECL of Lake City to West Jct Ia 17	3.23	Paved	20	21	32	29	82	82	1672	81
175	West Jct Ia 175 to WCL Lohrville	3.88	Paved	20	22	31	28	81	81	946	83
175	ECL Lohrville to West Jct Ia 175	2.95	Bit Pen	24	23	31	32	86	86	622	89
175	East Jct Ia 17 to begin Paved Section	3.67	Bit Pen	26	19	31	32	82	82	703	85
175	Begin Paved Section to Webster Co Line	.28	Paved	22	29	35	33	97	97	553	97

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Webster County											
175	Calhoun Co Line to NW Cor Sec 18 86 29W	6.03	Gravel	22	29	35	31	95	95	505	96
175	NW Cor Sec 18 86 29W to Jct Ia 144	1.96	Bit. S.T.	24	22	34	32	88	88	503	90
175	Jct Ia 144 to West Jct US 169	3.54	Bit. S.T.	24	22	34	32	88	88	644	90
175	East Jct US 169 to West Jct US 169	4.20	Paved	18	22	27	25	74	74	1490	75
175	East Jct US 169 to NCL of Dayton	1.80	Paved	18	27	24	28	79	79	557	83
175	SCL of Dayton to Hamilton Co Line	8.10	Paved	22	29	33	31	93	93	161	96
Hamilton County											
175	ECL of Stratford to South Jct Ia 60	6.33	Bit. Pen.	24	20	32	27	79	79	372	85
175	South Jct Ia 60 to North Jct Ia 60	.87	Mix. Bit.	24	8	27	30	65	65	839	68
175	North Jct Ia 60 to South Jct US 69	8.00	Bit. Pen.	22	20	34	31	85	85	573	87
175	South Jct US 69 to SCL Jewell	.99	Paved	24	30	33	35	98	98	3165	98
175	ECL of Jewell to WCL of Ellsworth	1.75	Bit. Pen.	24	20	24	30	74	74	770	77
175	ECL of Ellsworth to Hardin Co Line	5.49	Bit. Pen.	26	20	31	31	82	82	774	84
Hardin County											
175	Hamilton Co Line to Jct Ia 355	1.47	Bit. S.T.	22	17	29	26	72	72	840	75
175	Jct Ia 355 to WCL of Hubbard	6.37	Bit. S.T.	22	17	29	29	75	75	762	78
		149.70*									
Cass County											
176	Jct Ia 92 to SCL of Cumberland	.52	Mix. Bit.	22	17	31	25	73	73	581	77
		.52*									
Mitchell County											
177	Jct Ia 9 to SCL of West Mitchell	2.30	Gravel	29	19	28	25	72	68	169	82
		2.30*									

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
178	Jct Ia 9 to SCL of Little Rock	Lyon County .63 .63*	Paved	18	30	32	28	90	90	572	92
179	Jct US 69 to WCL of Klemme	Hancock County .59 .59*	Paved	18	27	32	30	89	89	717	96
180	ECL of Hayesville to Jct Ia 149	Keokuk County 2.08 2.08*	Bit. Pen.	23	18	31	26	75	75	325	82
181	NCL of Dallas to Jct Ia 60	Marion County 8.65 8.65*	Bit. Pen.	22	9	26	16	51	51	610	57
182	NCL Lansing to SCL New Albin	Allamakee County 9.95	Bit. S.T.	24	24	22	27	73	73	430	80
182	NCL New Albin to Minn State Line		Bit. S.T.	24	28	31	32	91	91	363	94
								10.13*			
183	Jct US 75 to SCL Pisgah	Harrison County 8.77	Paved	25	30	26	29	85	85	421	90
183	NCL Pisgah to Monona Co Line		Gravel	32		Under Construction				442	
183	Harrison Co Line to Jct Ia 372	Monona County 3.03	Gravel	34	Under Construction				412		
183	Jct Ia 372 to WCL of Moorhead		Gravel	37	Under Construction				495		

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Monona County (Con't)											
183	ECL of Moorhead to Sec 2 82 43W	2.87	Paved	22	30	35	33	98	98	450	98
183	Sec 2 82 43W to SCL of Soldier	2.03	Paved	22	30	35	35	100	100	474	100
183	NCL of Soldier to WCL of Ute	5.42	Paved	22	30	35	32	97	97	478	98
		26.59*									
Fremont County											
184	Jct US 275 to WCL of Randolph	5.26	Bit S.T.	24	24	23	26	73	73	597	78
184	ECL Randolph to Page Co Line	9.22	Bit S.T.	24	22	28	26	76	76	446	82
		14.48*									
Grundy County											
185	Jct Ia 14 to WCL of Conrad	1.00	Bit Pen	22	15	25	27	67	67	921	69
		1.00*									
Adams County											
186	Jct 34 to SCL of Prescott	3.08	Bit S.T.	22	19	26	21	66	66	350	75
		3.08*									
Buchanan County											
187	Jct US 20 to Jct Ia 284	9.32	Gravel	32	Under Construction					307	
187	Jct Ia 284 to Delaware County Line	2.99	Gravel	32	Under Construction					236	
Delaware County											
187	Buchanan Co Line to Backbone State Park	1.80	Gravel	32	18	31	24	73	69	197	81
		14.11*									
Butler County											
188	Jct Ia 3 to SCL of Clarksville	1.85	Paved	18	26	23	21	70	70	864	73
188	NCL of Clarksville to Bremer Co Line	10.61	Gravel	38	19	28	29	67	61	219	73

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Bremer County											
188	Butler Co Line to WCL of Plainfield	.73	Gravel	34	20	35	30	85	83	116	92
188	ECL of Plainfield to Jct US 63	9.90	Paved	24	30	28	21	79	79	349	86
23.18*											
Adair County											
189	NCL of Bridgewater to Jct Ia 9	.49	Mix.Bit.	22	22	31	30	83	83	490	87
.49*											
Buchanan County											
190	ECL Fairbank to Jct Ia 150	6.88	Bit. S.T.	24	27	29	30	86	86	636	89
Fayette County											
190	Buchanan Co Line to Jct Ia 150	.08	Bit. S.T.	24	30	30	33	93	93	488	95
6.96*											
Pottawattamie County											
191	Jct Ia 64 to Harrison Co Line	3.56	Paved	22	30	34	31	95	95	314	97
Harrison County											
191	Pottawattamie Co Line to SCL Persia	5.00	Paved	22	30	34	34	98	98	324	98
191	NCL Persia to Shelby Co Line	1.53	Paved	22	30	35	33	98	98	362	98
Shelby County											
191	Harrison Co Line to SCL of Portsmouth	3.64	Paved	22	30	35	34	99	99	362	99
191	NCL of Portsmouth to SCL of Panama	5.46	Gravel	32	23	34	28	85	79	208	88
191	NCL of Panama to West Jct Ia 37	4.66	Gravel	31	23	35	29	87	81	250	88
191	Jct Ia 37 to WCL Earling	.07	Gravel	32	22	35	30	87	79	289	87
191	ECL Earling to Jct US 59	4.62	Bit.Fen.	34	22	23	27	72	72	237	82
28.54*											

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Pottawattamie County											
192	Lane Manawa to Int US 275	.34	Mix. Bit.	24	09	29	32	70	70	1640	69
192	Int US 275 to Begin 24 Ft Sec	0.05	Mix. Bit.	48	30	35	28	93	93	2483	92
192	Begin 24 Ft Sec to SCL Council Bluffs	6.91		24	30	35	35	100	100	2483	100
		1.30*									
Fayette County											
193	Jct US 18 to WCL of Waucoma	6.45	Gravel	28						233	
193	NCL of Waucoma to Winneshiek	1.65	Gravel	28						300	
		8.10*									
Page County											
194	NCL of Clarinda to Clarinda State Hospital	.32	Bit. S.T.	20	16	25	22	63	63	500	69
		.32*									
Pocahontas County											
195	Jct Ia 17 to WCL of Plover	2.50	Gravel	30						289	
		2.50*									
Sac County											
196	Jct US 71 to Jct US 20	8.03	Paved	24	30	34	31	95	95	458	96
		8.03*									
Buena Vista County											
197	Jct Ia 3 to WCL of Albert City	2.26	Paved	22	30	34	32	96	96	522	97
		2.26*									
Benton County											
198	NCL of Garrison to Jct US 218	2.43	Gravel	33	14	33	26	73	63	321	72
		2.43*									

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
199	ECL of Van Horne to Jct US 218	Benton County 2.78 2.78*	Gravel	30	14	27	20	61	51	350	61
200	Jct US 30 to SCL Keystone	Benton County 2.30 2.30*	Gravel	34	14	33	27	74	60	420	68
201	NCL of Norway to end Bit Section	Benton County .06	Bit.S.T.	18	Under Construction					194	
201	End Bit Section to Jct US 30	4.05 4.11*	Gravel	32	Under Construction					194	
202	Jct US 218. to WCL of Shellsburg	Benton County 7.85 7.85*	Gravel	33	14	28	26	68	58	340	68
203	NCL of Terrill to Jct Ia 9	Dickinson County 8.61 8.61*	Paved	24	30	35	28	93	93	698	94
204	Jct Ia 2 to ECL of Garden Grove	Decatur County 4.52 4.52*	Gravel	36	25	31	22	78	70	280	79
205	Jct US 65 to WCL Milo	Warren County 3.08 3.03*	Gravel	25	16	28	28	72	58	420	66

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
206	Jct US 65 to WCL Lacona	Warren County 6.20 6.20*	Gravel	28	16	28	22	66	62	165	77
207	WCL New Virginia to Jct US 69	Warren County 7.31 7.31*	Gravel	35	16	24	22	62	60	147	75
208	NCL Blanchard to Int Ia 333	Page County 1.02	Gravel	30	22	35	32	89	79	335	85
208	Int Ia 333 to SCL Coin	4.22	Gravel	29	23	30	32	85	79	240	87
208	NCL Coin to Jct Ia 2	5.46 10.70*	Gravel	33	23	32	26	81	75	203	85
209	Jct Ia 149 to Conroy Unincorp	Iowa County .72 .72*	Bit. Pen.	24	17	32	12	61	61	430	69
210	ECL of Slater to US 69	Story County 3.86	Gravel	40	Under Construction				267		
210	Int US 69 to Jct Ia 211	3.64	Gravel	45	Under Construction				281		
210	Jct Ia 211 to WCL Maxwell	6.79 15.29*	Gravel	45	Under Construction				216		
211	Jct Ia 210 to SCL of Cambridge	Story County 1.00 1.00*	Gravel	45	Under Construction				363		

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Iowa County											
212	Jct US 6 to SCL of Marengo	.07	Paved	20	18	28	29	75	75	1150	76
212	WCL of Marengo to South Jct Ia 21	11.40	Paved	24	24	26	27	77	77	1125	78
212	South Jct Ia 21 to Benton Co Line	1.12	Paved	22	27	23	28	78	78	1570	77
Benton County											
212	Iowa Co Line to Begin Conc Paving	.43	Mix. Bit	22	17	25	24	66	66	1570	65
212	Begin Conc Paving to SCL Belle Plaine	1.12	Paved	18	17	29	25	71	71	1520	70
212	WCL Belle Plaine to North Jct Ia 21	.70	Paved	18	17	27	27	71	71	1419	70
Tama County											
212	North Jct Ia 21 to SCL of Chelsea	4.86	Paved	18	19	21	20	60	60	1051	62
212	Jct Ia 247 to Jct US 30	4.40	Paved	18	19	24	19	62	62	1325	62
		24.10*									
Wapello County											
213	NCL of Blakesburg to Jct U S 34	4.65	Gravel	32	17	27	25	69	63	210	75
		4.65*									
Grundy County											
214	Jct Ia 57 to SCL of Wellsburg	5.02	Bit. Pen	20	15	23	28	66	66	466	73
		5.02*									
Hardin County											
215	NCL of Union to SCL of Eldora	7.35	Paved	24	24	32	39	85	85	452	89
		7.35*									
Appanoose County											
216	Jct Ia 60 to WC L of Exline	.86	Gravel	46	30	30	27	87	85	130	93
		.86*									

Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Carroll County											
217	ECL of Breda to Jct US 71	4.75 4.75*	Bit.S.T.	24	22	34	28	84	84	359	89
Lee County											
218	Missouri State Line to Urban Area Line	.13	Paved	18	22	25	17	64	64	3000	59
218	Urban Area Line to WCL Keokuk	.08	Paved	18	22	15	17	54	54	3000	49
218	NCL Keokuk to Urban Area Line	.63	Paved	24	22	34	29	85	85	3311	82
218	Urban Area Line to North Jct US 61	6.93	Paved	24	22	30	25	73	73	3311	73
218	North Jct US 61 to begin 20 ft Sec	.63	Paved	18	21	29	29	79	79	1630	78
218	Begin 20 ft Sec to end 20 ft Sec	.43	Paved	20	22	32	32	86	86	1410	87
218	End 20 ft Sec to SCL of Donnellson	9.87	Paved	18	21	27	20	68	68	1530	67
218	NCL of Donnellson to Jct Ia 103	4.88	Paved	18	20	25	27	72	72	1721	71
218	Jct Ia 103 to Int Ia 16	4.15	Paved	18	20	24	26	70	70	1430	69
218	Int Ia 16 to Henry Co Line	2.02	Paved	18	21	26	25	72	72	1320	72
Henry County											
218	Lee Co Line to begin Conc Sec	1.52	Paved	18	19	28	25	72	72	1320	72
218	Begin Conc Sec to Jct Ia 125	.84	Paved	18	17	27	22	66	66	1320	66
218	Jct Ia 125 to Urban Area Line	6.92	Paved	18	17	23	18	58	58	1681	59
218	Urban Area Line to SCL Mt Pleasant	.75	Paved	18	17	21	29	57	57	1681	56
218	NCL Mt Pleasant to Urban Area Line	.51	Paved	18	19	25	25	69	69	2691	66
218	Urban Area Line to South Jct Ia 78	9.18	Paved	18	19	19	21	59	59	2681	55
218	South Jct Ia 78 to SCL Olds	.66	Paved	18	19	26	23	68	68	2670	64
218	NCL Olds to North Jct Ia 78	.28	Paved	18	22	26	20	68	68	2560	64
218	North Jct Ia 78 to Washington Co Line	1.46	Paved	18	20	27	23	70	70	1920	68
Washington County											
218	Henry Co Line to SCL Crawfordsville	3.52	Paved	18	17	16	18	51	51	2110	48
218	NCL Crawfordsville to Int Ia 92	4.35	Paved	18	18	19	21	58	58	2350	55
218	Int Ia 92 to Int Ia 22	13.89	Paved	18	17	20	22	59	59	1752	58

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Washington County (Con't.)											
218	Int Ia 22 to Johnson Co Line	1.49	Paved	18	17	25	22	64	64	1950	62
Johnson County											
218	Wash Co Line to SCL of Ia City	8.99	Paved	18	16	18	22	56	56	2296	53
218	NCL of Iowa City to ECL of North Liberty	6.30	Paved	18	12	20	10	42	42	2800	37
218	NCL of North Liberty to Jct Ia 153	.75	Paved	18	12	22	15	49	49	2525	45
218	Jct Ia 153 to in Sec 27 81 7W	3.25	Paved	18	12	22	21	55	55	2800	51
218	In Sec 27 81 7W to Linn Co Line	5.08	Paved	18	12	24	06	42	42	2949	37
Linn County											
218	Johnson Co line to Jct Ia 381	2.34	Paved	18	20	20	14	54	54	3026	48
218	Jct 381 to Urban Area Line	2.05	Paved	18	20	21	19	60	60	3026	55
218	Urban Area Line to Jct US 30	.50	Paved	18	20	25	25	70	70	3026	65
218	Jct US 30 to Jct Ia 84	1.02	Paved	24	27	33	34	94	94	2250	93
218	Jct Ia 84 to SCL Cedar Rapids	.83	Paved	20	27	29	25	81	81	2450	79
218	WCL Cedar Rapids to Jct Ia 149 US 151	.13	Paved	20	16	28	20	64	64	2834	61
218	Jct Ia 149 US 151 to Begin 24 ft Sec	1.91	Paved	20	16	24	22	62	62	5188	53
218	Begin 24 ft Sec to Benton Co Line	4.51	Paved	24	27	22	24	73	73	5402	65
Benton County											
218	Linn Co Line to Jct Ia 279	1.02	Paved	24	29	23	22	74	74	5339	67
218	Jct Ia 279 to Jct Ia 201	3.98	Paved	24	30	22	24	76	76	5064	69
218	Jct Ia 201 to Jct Ia 280	2.00	Paved	24	29	33	32	94	94	4900	92
218	Jct Ia 280 to West Jct US 30	2.95	Paved	24	30	33	32	95	95	4625	94
218	West Jct US 30 to Jct Ia 199	3.00	Paved	18	21	25	22	68	68	1775	67
218	Jct Ia 199 to Jct Ia 202	7.00	Paved	18	20	23	23	66	66	1831	65
218	Jct Ia 202 to SCL of Vinton	3.25	Paved	18	21	16	22	59	59	2068	56
218	WCL of Vinton to Jct Ia 198	5.91	Paved	18	21	25	19	65	65	1780	64

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Benton County (Con't)											
218	Jct Ia 198 to Jct Ia 8	2.93	Paved	18	21	24	22	67	67	1581	66
218	Jct Ia 8 to Black Hawk Co L Inc to La Porte	8.20	Paved	18	21	23	22	66	66	1494	65
Black Hawk County											
218	NCL of La Porte City to SCL of Waterloo	10.80	Paved	24	30	35	35	100	100	2518	100
218	WCL of Cedar Falls to South Jct Ia 57	.76	Paved	48	29	33	32	94	94	3281	93
218	NCL of Cedar Falls to SCL of Janesville	6.80	Paved	24	15	26	22	63	63	3019	57
Bremer County											
218	NCL of Janesville to SCL of Waverly	3.82	Paved	24	21	22	16	59	59	2800	54
218	WCL of Waverly to SCL of Plainfield	9.73	Paved	18	08	21	11	40	40	2107	37
218	NCL of Plainfield to Chickasaw Co Line	4.00	Paved	18	08	16	15	39	39	2148	36
Chickasaw County											
218	Bremer Co Line to SCL of Nashua	2.40	Paved	18	12	16	09	37	37	2167	34
218	NCL of Nashua to Floyd Co Line	.64	Paved	18	12	19	16	47	47	1896	45
Floyd County											
218	Chickasaw Co Line to SCL of Charles City	8.84	Paved	18	10	25	18	53	53	1870	54
218	WCL Charles City to End 22 ft Sec	1.00	Paved	18	30	24	23	77	77	2904	74
218	End 22 ft Sec to North Jct US 18	4.09	Paved	22	26	30	17	73	73	2786	70
218	North Jct US 218 to SCL of Floyd	.51	Paved	22	28	31	22	81	81	2845	78
218	NCL of Floyd to Mitchell Co Line	5.62	Paved	18	28	27	21	76	76	1089	77
Mitchell County											
218	Floyd Co Line to Jct Ia 255	1.00	Paved	18	28	27	25	80	80	1059	81
218	Jct Ia 255 to East Jct Ia 9	4.02	Paved	18	28	28	20	76	76	1076	77
218	East Jct Ia 9 to ECL of Osage	3.09	Paved	18	26	29	26	81	81	1612	82
218	NCL of Osage to Jct Ia 227	5.77	Paved	18	26	28	26	80	80	1169	81
218	Jct Ia 227 to ECL of St Ansgar	4.93	Paved	18	22	27	17	66	66	1036	67
218	NCL of St Ansgar to Minn State Line	8.93	Paved	18	22	24	22	68	68	1097	69
		240.27*									

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
219	Jct Ia 9 to SCL of Lake Park	Dickinson County 1.63 1.63*	Paved	18	30	23	26	79	79	794	81
220	Amana Unincorp to Begin Gravel Sec	Iowa County .12	Bit. S.T.	22	16	33	24	73	73	1100	74
220	Begin Gravel Sec to Int US 6 Begin Bit	.50	Gravel	34	15	31	24	70	50	575	56
220	Int US 6 Begin Bit to Begin 24 Ft Paved Sec	.38	Bit. S.T.	23	08	14	12	34	34	285	44
220	Begin 24 Ft Paved Sec to Begin 22 Ft Paved	5.36	Paved	24	29	26	21	76	76	530	80
220	Begin 22 Ft Paved Sec to Jct Ia 149	1.99	Paved	22	26	26	25	77	77	508	81
220	Int Ia 149 Begin Bit. to Begin Gravel Sec	.62	Bit. S.T.	22	08	19	10	37	37	508	43
220	Begin Gravel Sec to End Ia 220	1.07 9.54*	Gravel	33	13	35	22	70	54	508	61
221	Jct US 69 to WCL of Roland	Story County 5.58 5.58*	Bit. S.T.	24	26	30	30	86	86	484	90
222	Jct Ia 44 to Beginning 28 Ft Gravel	Humboldt County 5.56	Gravel	26	24	34	30	88	82	206	90
222	Beginning 28 Ft Gravel to NCL of Bode	3.19	Gravel	28	24	31	24	79	69	347	77
222	ECL of Bode to Int US 169	3.07	Paved	18	30	32	29	91	91	636	93
222	Int US 169 to WCL of Livermore	2.07	Paved	18	30	27	22	79	79	828	81
222	ECL of Livermore to Begin Gravel Section	.84	Paved	18	30	30	25	85	85	606	88
222	Beginning Gravel Sec to Begin 22 Ft Gravel	5.74	Gravel	32	15	34	23	72	58	430	66
222	Begin 22 Ft Gravel to SCL of LuVerne	.26 20.73*	Gravel	22	15	35	21	71	59	363	68

138

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
223	ECL of Baxter to Jct Ia 14	Jasper County 4.81 4.81*	Gravel	26	Under Construction					401	
224	Jct US 6 to SCL of Kellogg	Jasper County .47 .47*	Paved	20	25	32	32	89	89	1035	89
225	ECL of Sully to WCL of Lynnville	Jasper County 2.46	Gravel	26	14	26	16	56	46	350	55
225	ECL of Lynnville to Poweshiek Co Line	1.29	Gravel	26	17	31	26	74	62	385	71
225	Poweshiek Co Line to SCL Searsboro	2.85 6.60*	Gravel	28	14	23	22	59	47	385	56
226	Jct US 18 to WCL Titonka	Kossuth County 10.60 10.60*	Bit. S.T.	24	21	28	31	80	80	525	84
227	Jct US 218 to SCL of Stacyville	Mitchell County 5.45 5.45*	Bit. Pen.	22	09	23	19	51	51	412	59
228	NCL of Walcott to Jct US 6	Scott County .51 .51*	Bit. Pen.	24	12	25	31	68	68	625	73
229	ECL of Garwin to Jct US 63	Tama County 5.15 5.15*	Gravel	28	13	29	18	60	54	274	63

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
		Woodbury County									
230	Jct US 75 to Begin 20 ft Section	2.10	Paved	18	27	31	19	77	77	124	89
230	Begin 20 ft Sec to SCL of Sioux City	2.56	Paved	18	29	23	14	66	66	262	77
		4.66*									
		Sioux County									
231	SCL of Irton to Jct Ia 10	1.54	Bit.S.T.	24	30	28	29	87	87	494	90
		1.54*									
		Madison County									
232	NCL Earlham to Dallas Co Line	.39	Paved.	24	28	35	34	97	97	432	98
		Dallas County									
232	Madison Co Line to Jct Ia 90	.99	Paved	24	28	33	31	92	92	432	94
		1.38*									
		Marshall County									
233	NCL of Albion to Jct Ia 14	4.84	Gravel	24	15	27	15	57	37	742	41
		4.84*									
		Marshall County									
234	Jct Ia 64 to Jct Ia 235	1.20	Gravel	28		Under Construction				110	
234	Jct Ia 235 to SCL of State Center	5.67	Gravel	28	12	24	26	62	50	362	59
		6.87									
		Marshall County									
235	ECL of Rhodes to Jct Ia 234	.52	Gravel	26		Under Construction				287	
		.52*									

Sufficiency Rating of Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
236	Jct Ia 141 to ECL of Templeton	Carroll County 1.14 1.14*	Paved	18	23	22	23	68	68	615	73
237	NCL of Ochoyedan to Jct Ia 9	Osceola County 1.08 1.08*	Paved	18	30	32	25	87	87	704	88
238	Jct Ia 9 to SCL of Harris	Osceola County .63 .63*	Paved	18	30	29	27	86	86	1313	86
239	Waubonsie State Park to Jct Ia 2	Fremont County .50 .50*	Bit.S.T.	22	22	27	17	66	66	130	81
240	NCL of Royal to Jct US 71	Clay County 6.00 6.00*	Paved	20	30	33	26	89	89	471	92
241	NCL of Readlyn to Jct Ia 3	Bremer County .52 .52*	Bit. Pen.	22	21	31	32	84	84	742	86
242	Jct US 34 to SCL of Silver City	Mills County 5.53 5.53*	Gravel	32	21	31	27	79	69	350	77

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
			Woodbury County								
243	Jct Ia 140 to Begin Bit Section	7.71	Gravel	30	26	33	28	87	81	231	89
243	Begin Bit Sec to WCL of Pierson	.06	Bit S.T.	24	26	31	32	89	89	231	94
		7.77*									
			Mills County								
244	NCL of Henderson to Jct US 59	1.76	Gravel	38	22	31	26	79	75	168	87
		1.76*									
			Emmet County								
245	Ft Defiance State Park to Jct Ia 9	1.54	Gravel	26	22	30	24	76	66	312	75
		1.54*									
			Jackson County								
246	ECL Zwingle to WCL Lamotte	2.98	Paved	24	23	29	24	76	76	189	84
		2.98*									
			Tama County								
247	NCL of Chelsea to Jct Ia 212	.03	Paved	18	18	19	14	67	67	990	62
		.03*									
			Buchanan County								
248	Independence State Hospital to Jct US 20	.56	Bit.S.T.	24	27	35	31	93	93	443	95
		.56*									
			Henry County								
249	Jct Ia 78 to SCL Winfield	.11	Paved	22	26	35	34	95	95	525	96
		.11*									

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
250	NCL Lakota to Jct Ia 9	Kossuth County .32 .32*	Paved	18	27	28	27	82	82	971	83
251	ECL of Truro to SCL of St Charles	Madison County 5.94	Gravel	35	22	32	26	80	74	222	84
251	NCL of St Charles to Jct Ia 92	4.67 10.61*	Gravel	35	18	27	28	73	63	313	73
252	Jct US 61 Ia 92 to ECL of Grandview	Louisa County .34 .34*	Bit. S.T.	24	18	29	26	73	73	895	76
253	Jct Ia 14 to WCL of Williamson	Lucas County .64 .64	Bit. S.T.	24	23	27	26	76	76	315	84
254	NCL of Massena to Jct Ia 92	Cass County .07 .07*	Paved	22	30	35	34	99	99	542	99
255	ECL of Orchard to Jct US 218	Mitchell County 1.90 1.90*	Bit. Pen.	22	09	30	27	66	66	260	77
256	Jct Ia 60 to WCL of Corwith	Hancock County .25 .25*	Bit. S.T.	22	25	27	30	82	82	395	87

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
258	ECL of Van Wert to Jct US 69	Decatur County 1.00 1.00*	Bit. S.T.	22	23	31	28	82	82	350	87
259	Jct US 169 to WCL of Tingley	Ringgold County 1.00 1.00*	Gravel	27	18	28	24	70	58	400	66
260	ECL of Shannon City to Jct US 169	Ringgold County 1.96 1.96*	Gravel	34	20	25	28	73	69	195	81
261	ECL of Ia City to ECL of Solon	Johnson County 8.83	Paved	20	25	26	22	73	73	2074	70
261	NCL of Solon to Linn Co Line	3.53	Paved	20	25	24	23	72	72	2179	69
261	Johnson Co Line to Jct US 30 Relocation	Linn County 5.25	Paved	20	25	23	25	73	73	2141	70
261	Jct US 30 to SCL Mt Vernon	.13	Paved	45	27	25	27	79	79	2000	77
261	ECL of Mount Vernon to Jones Co Line	6.43	Paved	22	27	33	31	91	91	926	92
261	Linn Co Line to SCL Martelle	Jones County .13	Paved	20	25	22	27	74	74	915	76
261	NCL Martelle to Jct US 151	3.71 28.01*	Paved	20	25	29	26	80	80	1036	76
262	Jct US 69 to WCL of Galt	Wright County 1.50 1.50*	Bit. S.T.	24	23	30	20	73	73	350	80

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
		Franklin County									
263	NCL of Coulter to Int Ia 3	.44	Paved	18	26	28	28	82	82	663	85
263	Int Ia 3 to SCL of Latimer	.56	Paved	18	26	29	24	79	79	834	81
		1.00*									
		Buena Vista County									
264	NCL of Linn Grove to Clay Co Line	.76	Bit. S.T.	24	30	27	28	85	85	374	89
		Clay County									
264	Buena Vista Co Line to Jet Ia 10	1.00	Bit. S.T.	24	30	29	32	91	91	374	93
		1.75*									
		Union County									
265	ECL of Kent to Jet US 34	1.79	Gravel	29	13	26	28	67	65	150	79
		1.79*									
		Decatur County									
266	Jet US 69 to WCL of Weldon	1.71	Bit. Pen.	24	25	33	32	90	90	380	93
		1.71*									
		Fayette County									
267	Jet Ia 93 to ECL of Randalia	1.00	Paved	24	30	29	30	79	79	294	86
		1.00*									
		Shelby County									
268	Jet US 59 to WCL of Irwin	5.73	Paved	20	29	31	28	88	88	370	92
		5.73*									

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
269	Jct Ia 16 to SCL of Stockport	2.51 2.51*	Gravel	30	17	35	34	86	76	310	83
270	Jct Ia 16 to SCL Hillsboro	1.64 1.64*	Paved	18	16	21	24	61	61	290	72
271	Jct Ia 17 to WCL of Yale	.25 .25*	Gravel	32	22	35	30	87	77	320	84
272	ECL Elma to Jct US 63	6.44 6.44*	Bit. S.T.	24	30	27	28	85	85	363	90
273	Lake Wapello St Park to WCL Drakesville	5.51	Gravel	38	Under Construction					213	
273	ECL of Drakesville to Jct of US 63	4.05 9.56*	Paved	24	27	33	28	88	88	271	93
274	Ambrose A Call St Park to Jct US 169	2.04 2.04*	Gravel	26	22	29	17	68	68	95	84
275	Missouri St Line to Sec 26 67 42W	.28	Paved	22	29	32	24	85	85	1250	85
275	Sec 26 67 42W to Jct Ia 333	.99	Paved	18	18	24	16	58	58	1250	59
275	Jct Ia 333 to ECL of Hamburg	.52	Paved	18	18	22	18	58	58	1564	57

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Fremont County (Con't)											
275	NCL of Hamburg to South Jct Ia 2	4.89	Paved	18	22	22	19	63	63	1585	62
275	South Jct Ia 2 to SCL of Sidney	3.43	Paved	18	22	15	14	51	51	2246	48
275	NCL of Sidney to Jct Ia 145	4.93	Paved	18	23	21	13	57	57	1675	56
275	Jct Ia 145 to Jct Ia 184	4.00	Paved	18	24	22	22	68	68	1250	69
275	Jct Ia 184 to SCL of Tabor	1.01	Paved	18	24	20	19	63	63	1720	62
Mills County											
275	NCL of Tabor to East Jct US 34	8.64	Paved	18	28	24	20	72	72	1525	71
275	East Jct US 34 to Sec 12 72 43W	3.75	Paved	18	23	18	11	52	52	3737	45
275	12 72 43W to ECL Glenwood	.20	Paved	18	18	05	05	28	28	3737	23
275	NCL of Glenwood to Pottawattamie Co Line	7.77	Paved	22	25	26	19	70	70	3088	65
Pottawattamie County											
275	Mills Co Line to Jct Ia 370	.52	Paved	22	24	26	22	72	72	3252	67
275	Jct Ia 370 to Jct Ia 375	5.13	Paved	22	24	22	24	70	70	3252	65
275	Jct Ia 375 to Urban Area Line	1.31	Paved	20	20	25	20	65	65	3196	56
275	Urban Area Line to Int Ia 192	.53	Paved	20	20	24	19	63	63	3196	58
275	Int Ia 192 to Begin 22 ft Sec	.78	Paved	20	20	24	24	68	68	5190	60
275	Begin 22 ft Sec to end 22 ft Sec	.30	Paved	22	27	24	24	75	75	5190	68
275	End 22 ft Sec to Urban area Line	.47	Paved	20	21	25	16	62	62	5190	54
275	Urban Area Line to Missouri River Toll Bridge	2.17	Paved	20	21	25	21	67	67	5190	59
51.62*											
Dickinson County											
276	NCL Spirit Lake to Jct Ia 327	.49	Paved	18	30	32	22	84	84	197	92
276	NCL Orleans to Begin Gravel Section	.56	Bit.S.T.	20	17	31	15	63	63	396	72
276	Begin Gravel Section to End of Ia 276	3.81	Gravel	30	Under Construction					893	
4.86*											

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
		Appanoose County									
277	ECL of Numa to Beginning Paved Section	3.47	Gravel	28	09	19	18	46	26	560	31
277	Begin Paved Sec to Begin Bit Sec	1.92	Paved	18	14	32	26	72	72	610	77
277	Begin Bit Sec to Jct Ia 60	.62	Bit	26	09	28	30	67	67	240	79
		6.01*									
		Appanoose County									
278	SCL of Rathbun to Jct Ia 60	1.98	Bit. S.T.	22	21	26	23	70	70	225	81
		1.98*									
		Benton County									
279	Jct US 30 to SCL of Atkins	2.43	Paved	27	23	31	23	77	77	333	84
		2.43*									
		Benton County									
280	Jct US 30 to SCL of Newall	2.00	Paved	28	29	27	25	81	81	310	94
		2.00*									
		Black Hawk County									
281	Jct US 20 to SCL of Dunkerton	4.82	Paved	20	30	35	31	96	96	669	97
		4.82*									
		Buchanan County									
282	NCL Quasqueton to Jct US 20	4.64	Gravel	36	26	32	30	88	80	259	87
		4.64*									
		Buchanan County									
283	NCL of Brandon to Jct Ia 150	5.54	Bit. S.T.	22	29	32	26	87	87	362	93
		5.54*									

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
284	SCL Aurora to Jct Ia 187	Buchanan County 5.42 5.42*	Gravel	26	06	24	17	47	39	256	50
285	Jct US 30 to SCL of Arcadia	Carroll County .06 .06*	Bit. S.T.	24	28	29	31	88	88	678	90
286	Jct US 30 to WCL of Lanesboro	Carroll County 9.61 9.61*	Gravel	25	14	27	14	55	47	281	55
287	NCL of Gilmore City to SCL of Bradgate	Humbolt County 6.18 6.18*	Gravel	28	15	28	24	67	47	554	53
288	Jct US 65 to WCL Plymouth	Cerro Gordo County 4.20 4.20*	Gravel	28	14	28	29	71	69	136	82
289	ECL of Alta Vista to Jct US 63	Chickasaw County 5.50 5.50*	Bit. S.T.	26	30	29	28	87	87	236	96
290	ECL Farmersburg to Jct Ia 13	Clayton County 1.52 1.52*	Bit. S.T.	24	21	33	28	82	82	319	88

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
291	NCL Low Moor to Jct US 30	Clinton County .75 .75*	Bit. S.T.	24	21	35	31	87	87	600	90
292	NCL Linden to Jct Ia 64	Dallas County 2.80 2.80*	Gravel	26	11	21	24	56	56	87	74
293	Jct Ia 90 to SCL Van Meter	Dallas County .94 .94*	Gravel	24	30	31	25	86	86	403	91
294	Jct Ia 2 to Begin Bit Sec	Decatur County 6.33	Gravel	45	23	32	26	81	75	250	84
294	Begin Bit Sec to ECL of Grand River	.06 6.39*	Bit. S.T.	22	23	29	31	83	83	250	90
295	ECL of Westgate to Jct Ia 150	Fayette County 4.72 4.72*	Gravel	28	20	31	29	80	72	271	81
296	ECL of Wadena to Jct Ia 56	Fayette County 4.62 4.62*	Gravel	34	10	25	14	49	45	170	60
297	ECL of Waterloo to WCL of Evansdale	Black Hawk County .68	Paved	20	24	25	21	70	70	4830	63
297	ECL of Evansdale to WCL of Elk Run Height	.67	Paved	20	24	35	28	87	87	600	90

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Black Hawk County (Con't)											
297	ECL of Elk Run Heights to Urban Area Line	.45	Gravel	28	10	33	29	72	60	381	69
297	Urban Area Line to Begin Widened Gravel	1.92	Gravel	28	10	28	24	67	50	381	59
297	Begin Widened Sec to NCL Gilbertville	1.75	Gravel	28	10	24	19	53	37	474	46
		5.47									
Hamilton County											
298	ECL of Kamrar to Jct US 69	4.36	Gravel	21	9	21	26	56	56	81	74
		4.36*									
Hardin County											
299	NCL of New Providence to Jct Ia 57	5.07	Bit. S.T.	24	17	30	28	75	75	410	81
		5.07*									
Harrison County											
300	Jct US 30 to SCL Modale	5.00	Gravel	32	18	34	23	75	65	330	74
		5.00*									
Harrison County											
301	Jct US 75 to WCL Little Sioux	.30	Bit. Pen.	24	22	35	27	84	84	480	86
		.30*									
Humboldt County											
302	NCL of Thor to Jct Ia 3	2.59	Paved	18	30	32	31	93	93	362	95
		2.59*									
Jefferson County											
303	NCL of Libertyville to Jct US 34	3.24	Bit. Pen.	24	16	28	27	71	71	590	76
		3.24*									

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
304	Jct Ia 78 to SCL of Ollie	Keokuk County 1.06 1.06*	Gravel	33	18	31	26	75	65	325	74
305	SCL of Letts to Jct US 61	Louisa County 1.96 1.96*	Paved	22	26	32	20	78	78	300	86
306	Jct US 65 to WCL of Derby	Lucas County .50 .50*	Gravel	34	20	27	27	79	67	360	71
307	Jct US 169 to NCL of East Peru	Madison County 4.53 4.53*	Gravel	32	21	25	20	66	58	260	70
308	Jct US 63 to SCL of Barnes City	Mahaska County 6.70 6.70*	Gravel	30	13	27	20	60	54	201	67
309	ECL of Beacon to WCL of Oskaloosa	Mahaska County .83 .83*	Paved	18	22	22	13	57	57	1300	57
310	Jct Ia 92 to WCL of Harvey	Marion County 1.60 1.60*	Gravel	28	09	29	16	55	43	360	52
311	ECL of Liscomb to Jct Ia 14	Marshall County 4.96 4.96*	Gravel	28	17	29	26	72	60	285	75

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
312	Jct Ia 9 to SCL of McIntire	Mitchell County 5.42 5.42*	Paved	24	30	30	30	90	90	293	94
313	Jct US 59 to WCL of Melvin	Osceola County 1.72 1.72*	Paved	18	30	32	29	91	91	502	93
314	NCL of Ayrshire to Jct US 18	Palo Alto County 5.92 5.92*	Paved	18	30	32	28	90	90	388	93
315	Jct Ia 17 to WCL of Palmer	Pocahontas County 3.79 3.79*	Gravel	30	Under Construction					335	
316	NCL of Runnells to Jct Ia 163	Polk County 7.09 7.09*	Gravel	30	06	30	20	56	46	344	56
317	Jct US 65 to WCL of Zearing	Story County .26 .26*	Paved	24	26	35	32	93	93	300	96
318	ECL of Clutier to Jct Ia 21	Tama County 5.20 5.20*	Gravel	22	13	27	24	64	60	169	75

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Taylor County											
319	ECL of Gravity to North Jct Ia 148	.07	Paved	20	30	35	34	99	99	150	100
319	North Jct Ia 148 to South Jct Ia 148	.19	Mix. Bit.	24	15	24	32	71	71	900	73
319	South Jct Ia 148 to West Jct Ia 49	3.58	Gravel	30	23	31	26	80	76	190	86
319	West Jct Ia 49 to East Jct Ia 49	1.53	Gravel	27	Under Construction					245	
319	East Jct Ia 49 to NCL of Conway	1.41	Gravel	31	Under Construction					225	
		6.78*									
Webster County											
320	Jct US 169 to WCL Badger	1.49	Bit. S.T.	24	22	29	32	83	83	490	86
		1.49*									
Webster County											
321	Jct Ia 5 to WCL of Clare	5.53	Gravel	22	9	21	24	54	50	173	64
		5.53*									
Winnebago County											
322	Jct Ia 9 to Minn State Line	7.91	Paved	24	30	33	29	92	92	342	95
		7.91*									
Wright County											
323	Jct Ia 60 to WCL of Woodstock	3.33	Paved	24	30	35	32	97	97	297	98
		3.33*									
Monroe County											
324	Lewis and Clarke Park to Jct Ia 175	0.55	Gravel	26	Under Construction					350	
		0.55*									
Winneshiek County											
325	ECL of Spillville to Jct US 52	3.59	Paved	24	30	27	26	83	83	298	89
		3.59*									

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
326	Jct Ia 3 to SCL of Bristow	Butler County 1.50 1.50*	Paved	22	29	33	29	91	91	205	95
327	NCL of Orleans to End of Ia 327	Dickinson County .57 .57*	Bit. S.T.	24	16	35	24	75	75	197	86
328	Jct US 20 to SCL of Galva	Ida County 2.01 2.01*	Paved	18	30	29	26	85	85	259	91
329	Jct US 169 to NCL of Pilot Mound	Boone County 4.71 4.71*	Gravel	28	12	27	29	68	62	231	74
330	Jct US 30 Ia 64 to End 20 Ft Section	Marshall County 1.47	Paved	20	23	28	25	76	76	965	78
330	End 20 Ft Sec to Urban Area Line	2.44	Paved	18	23	22	14	59	59	1800	57
330	Urban Area Line to WCL of Marshalltown	1.33 5.24*	Paved	18	23	27	15	65	65	1800	63
331	ECL of Eldridge to Jct US 61	Scott County 1.50 1.50*	Bit. Pen.	28	14	35	29	78	78	940	80
332	Pilot Knob St Park to Jct Ia 9	Winnebago County 1.00 1.00*	Gravel	38	29	35	32	96	96	43	98

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
		Freemont County									
333	Jct US 275 to Int US 59	12.97	Gravel	35	22	27	27	76	68	270	76
333	Int US 59 to Page Co Line	1.03	Gravel	32	19	21	24	64	60	200	73
		Page County									
333	Fremont Co Line to Jct Ia 343	4.00	Gravel	32	19	27	27	73	67	225	78
333	Jct Ia 343 to Int Ia 208	4.08	Gravel	30	19	27	27	73	69	200	80
333	Int Ia 208 to Jct Ia 999	4.46	Gravel	34	15	26	20	62	58	195	72
333	Jct Ia 999 to Jct US 71	5.52	Gravel	32	14	27	27	68	68	95	85
		32.06*									
		Bremer County									
334	Jct US 63 to SCL of Frederika	1.71	Bit. S.T.	24	30	25	16	71	71	369	79
		1.71*									
		Dallas County									
335	Jct Ia 141 to SCL Dawson	.28	Gravel	24	14	29	30	73	59	417	67
		.23*									
		Buchanan County									
336	Jct Ia 150 to WCL Rawley	2.00	Bit. S.T.	22	22	32	28	82	82	540	86
		2.00*									
		Worth County									
337	Jct Ia 9 to ECL of Grafton	2.90	Gravel	43	30	35	35	100	92	237	96
		2.90*									
		Folk County									
338	Jct US 65 to SCL of Bondurant	.07	Gravel	30	06	25	13	44	30	440	37
		.07*									

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
339	NCL of George to Jct Iowa 9	Lyon County 5.57 5.57*	Paved	18	30	32	29	91	91	515	93
340	SCL McGregor to Pikes Peak State Park	Clayton County 2.06 2.06*	Gravel	28	Under Construction					301	
341	NCL of Ruthven to End of Route Ia 341	Palo Alto County 1.54 1.54*	Paved	20	30	35	30	95	95	575	96
342	Jct Ia 141 to SCL of Jamaica	Guthrie County .51 .51*	Gravel	30	18	35	30	83	75	300	83
343	Jct Ia 333 to SCL Northboro	Page County .61 .61*	Gravel	29	16	26	27	69	67	120	82
344	Mt Ayr City Reservoir to Jct US 169	Ringgold County 1.07 1.07*	Gravel	37	20	31	25	76	76	100	89
345	Jct Ia 17 to WCL of Graettinger	Palo Alto County .02 .02*	Paved	18	30	29	28	87	87	997	88

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
			Chickasaw County								
346	ECL of Nashua to End Bit Section	1.25	Bit. S.T.	22	30	30	18	78	78	973	80
346	End of Bit Section to Jct US 63	9.78	Gravel	28	22	29	24	75	67	300	76
		11.03*									
			Warren County								
349	Lake Ahquabi St Park to Jct US 65	1.03	Gravel	38	23	33	29	85	79	230	88
		1.03*									
			Scott County								
350	Jct US 6 to WCL of Davenport	.56	Paved	18	11	22	21	54	54	1800	52
		.56*									
			Buena Vista County								
351	ECL of Rembrandt to Jct US 71	.58	Paved	18	30	32	26	88	88	461	91
		.58*									
			Buena Vista County								
352	Jct US 71 to SCL of Truesdale	.45	Paved	18	30	32	30	92	92	264	95
		.45*									
			Wright County								
353	Center Rowan to End Built up Sec	.05	Bit. S.T.	24	24	29	32	85	85	251	91
		.05*									
			Palo Alto County								
354	ECL of Mallard to Jct Ia 17	.02	Paved	18	30	29	27	86	86	894	87
		.02*									

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
356	ECL of Packwood to Jct Ia 1	Jefferson County 5.58 5.58*	Paved	24	24	32	30	86	86	210	92
357	ECL of Blockton to Jct Ia 25	Taylor County .14 .14*	Bit. S.T.	22	13	35	32	80	80	380	86
358	Jct Ia 44 to Jct US 18	Kossuth County 2.17	Paved	20	30	35	33	98	98	634	98
358	Kossuth Co Line to Jct US 18 SW Curve	Palo Alto County .22 2.09*	Paved	20	24	35	34	93	93	634	94
359	WCL of Buckeye to Jct US 20	Hardin County 6.85 6.85*	Gravel	28	14	27	23	64	58	249	70
360	Jct Ia 5 to SCL of Newell	Buena Vista County .13 .13*	Paved	20	30	32	30	92	92	750	93
362	ECL Macedonia to Jct US 59	Pottawattamie County 1.34 1.34*	Gravel	30	Under Construction					320	
363	Jct Ia 101 to WCL of Urbana	Benton County 1.00 1.00*	Paved	24	24	29	19	72	72	377	79

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
			Allamakee County								
364	Jct Ia 113 to Beg Rel in Sec 16 96 3W	1.50	Gravel	25	09	19	14	42	38	165	57
364	Sec 16 96 3 to Begin Widened Sec	3.20	Gravel	25	09	20	16	45	41	165	56
364	Begin Widened Sec to End Widened Sec	2.09	Gravel	25	19	29	30	78	74	165	86
364	End Widened Sec to WCL Harpers Ferry	.70	Gravel	20	09	23	14	46	42	165	57
		7.49*									
			Marion County								
365	Tracy Unincorporated to Jct Ia 92	1.10	Gravel	26	10	21	15	46	34	450	41
		1.10*									
			Monona County								
366	Jct US 75 to WCL Blencoe	0.01	Paved	20	22	35	32	89	89	500	92
		0.01*									
			Humboldt County								
367	ECL of Rutland to Jct US 169	2.95	Gravel	34	24	34	31	89	81	293	88
		2.95*									
			Humboldt County								
368	ECL of Renwick to Jct Ia 60	.01	Paved	34	14	33	31	78	78	900	80
		.01*									
			Appanoose County								
369	Jct Ia 2 to SCL of Unionville	5.10	Gravel	30	18	29	27	74	68	240	79
		5.10*									
			Mills County								
370	Bellevue Bridge	4.49	Paved	24	30	34	32	96	96	90	99
			Pottawattamie County								
370	Mills Co Line to Jct US 275	.84	Paved	24	30	29	31	90	90	90	97
		5.33*									
			Mahaska County								
371	Lake Keomah St Park to Jct Ia 92	.69	Bit. S.T.	23	13	23	27	63	63	220	76
		.69*									

-160-

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
372	Preparation Canyon St Park to Jct Ia 183	2.60 2.60*	Gravel	25	30	23	18	71	71	99	80
373	Jct Ia 13 to WCL Waterville	3.71 3.71*	Gravel	24	10	24	19	53	49	165	65
374	Jct US 71 to NCL of Webb	7.55 7.55*	Gravel	44	Under Construction					189	
375	Jct US 275 to End Asph Conc Sec	.53	Paved	22	19	27	29	70	70	4300	65
375	End Asph Conc Sec to Jct Ia 100	.48	Paved	18	16	22	19	57	57	4300	49
375	Jct Ia 100 to ECL Council Bluffs	.41 1.42*	Paved	20	25	25	20	70	70	4075	64
376	Jct Ia 3 to SCL of Colesburg	.14 .14*	Paved	20	25	35	30	90	90	250	94
377	Sioux City AFB to Jct US 75	.51 .51*	Paved	20	30	35	34	99	99	300	99
378	Sioux City AFB to Jct US 75	.78 .78*	Paved	20	30	35	34	99	99	300	99

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
379	NCL of Joice to Jct Ia 105	Worth County 3.66 3.66*	Gravel	29					Under Construction	322	
380	Ottumwa Mun Airport to Jct US 63	Wapello County 1.30 1.30*	Paved	20	22	35	26	83	83	650	86
381	Ia 322 to Rake	Winnebago County 0.25 0.25*	Paved	22	28	35	33	96	96	300	97
382	Lake McBride St Park to WCL of Solon	Johnson County 3.20 3.20*	Gravel	28	13	25	21	59	47	400	55
383	Jct US 69 to WCL of Randall	Hamilton County 1.06 1.06*	Paved	20	30	33	35	98	98	351	99
384	Jct Ia 25 to Springbrook State Park	Guthrie County 1.15 1.15*	Gravel	36	23	32	22	77	77	75	91
385	ECL of Pac Jct to Jct US 34	Mill County 1.51 1.51*	Bit. S.T.	22	11	34	27	72	72	366	80
386	South Jct US 52 to North Jct US 52	Dubuque County 2.70 2.70*	Paved	24	27	26	18	71	71	810	74

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
		Scott County									
387	Mt Joy Airport to Jct US 61	.54 .54*	Paved	24	29	35	35	99	99	235	100
		O'Brien County									
388	ECL of Calumet to Jct US 59	.14 .14*	Paved	24	30	35	35	100	100	322	100
		Muscatine County									
389	Jct US 61 to Wildcat Den State Park	.82 .82*	Bit. S.T.	22	18	21	23	62	62	140	77
		Buena Vista County									
390	Jct Ia 10 to SCL of Marathon	.24 .24*	Paved	20	30	35	30	95	95	390	96
		Clinton County									
391	Jct US 30 to Clinton Airport	.50 .50*	Paved	24	20	35	32	87	87	115	95
		Dubuque County									
392	Dubuque Municipal Airport to Jct US 61	.66	Gravel	26	20	30	29	79	67	400	73
		Chickasaw County									
393	NCL of Ionia to Jct of US 18	1.82 1.82*	Gravel	26	21	24	28	73	59	416	67
		Des Moines County									
394	Lee Co Line to Augusta Unincorporated	.55	Bit. S.T.	26	16	31	24	71	71	370	79

Sufficiency Rating by Routes of the
Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1953 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
		Lee County									
394	Jct Ia 16 to Des Moines Co Line	1.29 1.84*	Gravel	36	18	29	25	72	60	370	70
		Marshall County									
395	NCL of Melbourne to Jct Ia 64	.19 .19*	Gravel	24	Under Construction					364	
396	Jct Ia 175 to SCL Farmsmuicee	.03 .63*	Paved	24	18	32	33	83	83	1551	82
		Greene County									
397	ECL of Paton to Jct Ia 144	.35 .35*	Gravel	28	15	31	30	76	56	583	62
		Page County									
999	Jct Ia 333 to SCL College Springs	1.47	Gravel	35	13	22	18	53	53	100	71
999	NCL College Springs to Jct US 71	5.39 6.86*	Gravel	35	18	32	25	75	73	113	87

-191-

PART V
SUMMARY OF MILEAGES
IN
VARIOUS SUFFICIENCY RATING GROUPS
ON THE
IOWA PRIMARY ROAD SYSTEM

The findings of the Iowa Rural Primary Road Sufficiency Rating Study have been summarized in the following tables:

Table No. 4. Miles of Rural Primary Roads in Iowa of each Surface Type classified by Sufficiency Rating groups.

This table was prepared for state totals and for each of the six highway districts of Iowa.

Table No. 5. Miles of Rural Paved and Bituminous Primary Roads in Iowa in each surface width group, classified by sufficiency rating groups.

This table was prepared for state totals and for each of the six highway districts of Iowa.

Table No. 6. Miles of Rural Primary Roads in Iowa in each Sufficiency Rating Group, classified by Traffic Volume groups.

This table was prepared for the total of all surface types and for each the gravel, bituminous and paved surface types.

Table No. 4 State

Miles of Rural Primary Roads in Iowa
of Each Surface Type Classified
by Sufficiency Rating Groups.

Sufficiency Rating	Surface Type			Total for State
	Gravel	Bituminous	Paved	
0 - 9	--	--	--	--
10 - 19	--	--	--	--
20 - 29	--	--	17.25	17.25
30 - 39	35.20	--	118.09	153.29
40 - 49	53.15	2.24	305.38	360.77
50 - 59	142.34	64.57	1,045.76	1,252.67
60 - 69	195.00	120.06	1,533.18	1,848.24
70 - 79	343.21	186.87	1,115.63	1,645.71
80 - 89	345.33	331.43	1,234.60	1,911.36
90 -100	145.02	54.22	1,248.40	1,447.64
Total	1,259.25	759.39	6,618.29	8,636.93

Note: Roads under construction included in this table 876.39 miles.

Table No. 4A

-168-

Miles of Rural Primary Roads in District
No. 1 of Each Surface Type Classified
by Sufficiency Rating Groups.

Sufficiency Rating	Surface Type			Total for District No. 1
	Gravel	Bituminous	Paved	
0 - 9	---	---	---	---
10 -19	---	---	---	---
20 -29	---	---	3.06	3.06
30 -39	.07	---	4.66	4.73
40 -49	22.02	---	34.43	56.45
50 -59	51.59	11.51	134.34	197.44
60 -69	31.81	29.12	334.36	395.29
70 -79	58.90	34.73	246.57	340.10
80 -89	17.24	61.26	233.37	310.87
90-100	15.11	11.21	209.25	235.57
Total	196.74	147.83	1,200.04	1,544.61

Note: Roads under construction included in this table 167.73 miles.

Table No. 4B

Miles of Rural Primary Roads in District
No. 2 of Each Surface Type Classified
by Sufficiency Rating Groups.

Sufficiency Rating	Surface Type			Total for District No. 2
	Gravel	Bituminous	Paved	
0 - 9	---	---	---	---
10 -19	---	---	---	---
20 -29	---	---	8.05	8.05
30 -39	5.58	---	23.50	29.08
40 -49	---	---	19.35	19.35
50 -59	22.53	29.30	192.19	244.02
60 -69	24.98	27.83	211.75	264.56
70 -79	38.73	3.63	214.74	256.83
80 -89	34.00	70.79	225.13	329.92
90-100	43.71	32.76	207.86	284.33
Total	169.53	164.31	1,102.30	1,436.14

Note: Roads under construction included in this table 153.82 miles.

Table No. 4C

Miles of Rural Primary Roads in District
No. 3 of Each Surface Type Classified
by Sufficiency Rating Groups.

Sufficiency Rating	Surface Type			Total for District No. 3
	Gravel	Bituminous	Paved	
0 - 9	---	---	---	---
10 - 19	---	---	---	---
20 - 29	---	---	---	---
30 - 39	---	---	---	---
40 - 49	---	---	12.36	12.36
50 - 59	0.51	---	40.27	40.78
60 - 69	11.53	0.26	111.68	123.47
70 - 79	38.06	0.56	233.70	272.32
80 - 89	104.36	40.07	387.75	532.18
90 -100	65.27	2.92	384.10	452.29
Total	219.73	43.81	1,169.86	1,433.40

Note: Roads under construction included in this table 157.23 miles.

Table No. 4D

Miles of Rural Primary Roads in District
No. 4 of Each Surface Type Classified
by Sufficiency Rating Groups.

Sufficiency Rating	Surface Type			Total for District No. 4
	Gravel	Bituminous	Paved	
0 - 9	---	---	---	---
10 - 19	---	---	---	---
20 - 29	---	---	---	---
30 - 39	---	---	3.10	3.10
40 - 49	5.73	---	47.99	53.72
50 - 59	10.12	---	162.37	172.49
60 - 69	40.02	25.50	366.07	431.59
70 - 79	128.35	86.61	112.39	327.35
80 - 89	117.66	62.44	76.84	256.94
90 -100	14.56	1.77	132.25	148.58
Total	316.44	176.32	901.01	1,393.77

Note: Roads under construction included in this table 109.55 miles.

Table No. 4E

Miles of Rural Primary Roads in District
No. 5 of Each Surface Type Classified
by Sufficiency Rating Groups.

Sufficiency Rating	Surface Type			Total for District No. 5
	Gravel	Bituminous	Paved	
0 - 9	--	--	--	--
10 - 19	--	--	--	--
20 - 29	--	--	0.20	0.20
30 - 39	14.40	--	11.03	25.43
40 - 49	6.88	1.24	72.00	80.12
50 - 59	15.03	16.03	258.58	289.64
60 - 69	35.97	25.57	293.51	355.05
70 - 79	48.05	39.91	133.33	221.29
80 - 89	38.28	56.16	149.87	244.31
80 -100	6.37	1.47	167.28	175.12
Total	164.98	140.38	1,035.80	1,391.16

Note: Roads under construction included in this table 168.68 miles.

Table No. 4F

Miles of Rural Primary Roads in District
No. 6 of Each Surface Type Classified
by Sufficiency Rating Groups.

Sufficiency Rating	Surface Type			Total for District No. 6
	Gravel	Bituminous	Paved	
0 - 9	--	--	--	--
10 - 19	--	--	--	--
20 - 29	--	--	5.94	5.94
30 - 39	15.15	--	75.80	90.95
40 - 49	18.52	1.00	119.25	138.77
50 - 59	42.56	7.73	258.01	308.30
60 - 69	50.69	11.78	215.81	278.28
70 - 79	31.12	21.43	175.17	227.72
80 - 89	33.79	40.71	161.64	236.14
90 -100	--	4.09	147.66	151.75
Total	191.83	86.74	1,159.28	1,437.85

Note: Roads under construction included in this table 119.38 miles.

Table No. 5

Miles of Rural Paved and Bituminous
Primary Roads in Iowa in Each Surface
Width Group Classified by Sufficiency Rating

Sufficiency Rating	Surface Width					Total
	18 Feet	20 Feet	22 Feet	24 Feet	Over 24 Feet	
0 - 9	--	--	--	--	--	--
10 - 19	--	--	--	--	--	--
20 - 29	14.19	3.06	--	--	--	17.25
30 - 39	117.41	0.68	--	--	--	118.09
40 - 49	286.41	18.64	1.86	0.71	--	307.62
50 - 59	954.39	49.05	41.09	65.80	--	1,110.33
60 - 69	1,339.89	95.33	39.88	171.37	6.77	1,653.24
70 - 79	596.69	283.34	101.69	318.84	1.94	1,302.50
80 - 89	160.77	618.70	234.25	519.25	33.06	1,566.03
90 - 100	36.14	200.60	488.13	518.78	58.97	1,302.62
Total	3,505.89	1,269.40	906.90	1,594.75	100.74	7,377.68

Note: Roads under construction included in this table 581.54 Miles.

Table No. 5A

Miles of Rural Paved and Bituminous Primary Roads
in District No. 1 in Each Surface Width Group
Classified by Sufficiency Rating.

Sufficiency Rating	Surface Width					Total District 1
	18 Feet	20 Feet	22 Feet	24 Feet	Over 24 Feet	
0 - 9	--	--	--	--	--	--
10 - 19	--	--	--	--	--	--
20 - 29	--	3.06	--	--	--	3.06
30 - 39	3.98	.68	--	--	--	4.66
40 - 49	22.57	11.86	--	--	--	34.43
50 - 59	103.24	26.00	4.18	12.43	--	145.85
60 - 69	281.34	40.06	15.32	26.58	.18	363.48
70 - 79	83.90	93.92	20.23	83.17	.08	281.30
80 - 89	23.71	63.87	36.23	152.89	17.93	294.63
90 -100	--	5.56	64.15	146.55	4.20	220.46
Total	518.74	245.01	140.11	421.62	22.39	1,347.87

Note: Roads under construction included in this table 139.54 Miles.

Table No. 5B

Miles of Rural Paved and Bituminous Primary Roads
in District No. 2 in Each Surface Width Group
Classified by Sufficiency Rating.

Sufficiency Rating	Surface Width					Total District 2
	18 Feet	20 Feet	22 Feet	24 Feet	Over 24 Feet	
0 - 9	--	--	--	--	--	--
10 - 19	--	--	--	--	--	--
20 - 29	8.05	--	--	--	--	8.05
30 - 39	23.50	--	--	--	--	23.50
40 - 49	19.35	--	--	--	--	19.35
50 - 59	185.99	1.06	21.50	12.94	--	221.49
60 - 69	200.29	.43	4.90	33.96	--	239.58
70 - 79	148.45	29.89	11.55	27.93	.28	218.10
80 - 89	53.80	111.52	17.27	106.36	6.97	295.92
90 -100	13.63	66.49	66.49	88.11	5.90	240.62
Total	653.06	209.39	121.71	269.30	13.15	1,266.61

Note: Roads under construction included in this table 108.86 Miles.

Table No. 5C

Miles of Rural Paved and Bituminous Primary Roads
in District No. 3 in Each Surface Width Group
Classified by Sufficiency Rating.

Sufficiency Rating	Surface Width					Total District 3
	18 Feet	20 Feet	22 Feet	24 Feet	Over 24 Feet	
0 - 9	--	--	--	--	--	--
10 - 19	--	--	--	--	--	--
20 - 29	--	--	--	--	--	--
30 - 39	--	--	--	--	--	--
40 - 49	6.66	5.70	--	--	--	12.36
50 - 59	40.27	--	--	--	--	40.27
60 - 69	85.34	26.22	.26	--	0.12	111.94
70 - 79	171.23	63.03	--	--	--	234.26
80 - 89	68.24	302.31	31.21	25.52	0.54	427.82
90 - 100	22.28	114.68	147.70	88.81	13.55	387.02
Total	394.02	511.94	179.17	114.33	14.21	1,213.67

Note: Roads under construction included in this table 101.63 Miles.

Table No. 5D

Miles of Rural Paved and Bituminous Primary Roads
in District No. 4 in Each Surface Width Group
Classified by Sufficiency Rating.

Sufficiency Rating	Surface Width					Total District 4
	18 Feet	20 Feet	22 Feet	24 Feet	Over 24 Feet	
0 - 9	--	--	--	--	--	--
10 - 19	--	--	--	--	--	--
20 - 29	--	--	--	--	--	--
30 - 39	3.10	--	--	--	--	3.10
40 - 49	47.99	--	--	--	--	47.99
50 - 59	157.48	4.89	--	--	--	162.37
60 - 69	349.43	9.40	6.48	24.35	1.91	391.57
70 - 79	64.84	19.77	26.56	87.83	--	199.00
80 - 89	0.78	67.64	19.90	50.96	--	139.28
90 -100	--	5.80	66.01	42.84	19.37	134.02
Total	623.62	107.50	118.95	205.98	21.28	1,077.33

Note: Roads under construction included in this table 56.50 Miles.

Table No. 5E

Miles of Rural Paved and Bituminous Primary Roads
in District No. 5 in Each Surface Width Group
Classified by Sufficiency Rating.

Sufficiency Rating	Surface Width					Total District 5
	18 Feet	20 Feet	22 Feet	24 Feet	Over 24 Feet	
0 - 9	--	--	--	--	--	--
10 - 19	--	--	--	--	--	--
20 - 29	0.20	--	--	--	--	0.20
30 - 39	11.03	--	--	--	--	11.03
40 - 49	71.46	0.54	1.24	--	--	73.24
50 - 59	249.69	6.81	15.41	2.70	--	274.61
60 - 69	252.64	14.18	9.68	42.58	--	319.08
70 - 79	85.67	22.37	16.43	47.32	1.45	173.24
80 - 89	8.96	35.15	59.04	100.70	2.18	206.03
90 -100	0.23	0.02	105.24	55.70	7.56	168.75
Total	679.88	79.07	207.04	249.00	11.19	1,226.18

Note: Roads under construction included in this table 108.00 Miles.

Table No. 5F

Miles of Rural Paved and Bituminous Primary Roads
in District No. 6 in Each Surface Width Group
Classified by Sufficiency Rating.

Sufficiency Rating	Surface Width					Total District 6
	18 Feet	20 Feet	22 Feet	24 Feet	Over 24 Feet	
0 - 9	--	--	--	--	--	--
10 - 19	--	--	--	--	--	--
20 - 29	5.94	--	--	--	--	5.94
30 - 39	75.80	--	--	--	--	75.80
40 - 49	118.38	0.54	0.62	0.71	--	120.25
50 - 59	217.72	10.29	--	37.73	--	265.74
60 - 69	170.85	5.04	3.24	43.90	4.56	227.59
70 - 79	42.60	54.36	26.92	72.59	0.13	196.60
80 - 89	5.28	38.21	70.60	82.82	5.44	202.35
90 -100	--	8.05	38.54	96.77	8.39	151.75
Total	636.57	116.49	139.92	334.52	18.52	1,246.02

Note: Roads under construction included in this table 67.01 Miles.

Table No. 6

Miles of Rural Primary Roads in Iowa
in Each Sufficiency Rating Group
Classified by Traffic Volume.

Traffic Volume Group	Sufficiency Rating Group										Total
	0 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 to 100	
0 - 249	--	--	--	--	8.20	13.62	37.77	97.04	190.81	206.89	554.33
250- 499	--	--	--	25.05	33.66	113.84	170.49	290.91	402.27	478.92	1,515.44
500- 749	--	--	--	10.15	12.62	50.01	61.32	105.25	305.28	228.24	772.87
750- 999	--	--	--	--	1.33	66.40	124.75	169.24	304.84	133.11	799.67
1000- 1499	--	--	--	--	16.19	188.61	531.54	345.23	387.79	85.72	1,555.08
1500- 1999	--	--	--	14.65	44.09	370.07	503.63	298.59	141.56	73.48	1,446.02
2000- 2499	--	--	11.11	55.11	111.46	259.14	203.24	124.93	51.60	34.61	851.20
2500- 2999	--	--	--	16.46	57.59	96.73	78.87	86.43	32.22	89.50	457.80
3000- 3499	--	--	0.10	20.76	44.59	50.64	41.15	85.74	39.38	60.07	342.43
3500- 3999	--	--	5.23	9.92	24.83	20.24	46.73	15.29	5.32	15.92	143.48
4000- 4499	--	--	--	--	2.29	12.14	15.93	8.07	31.11	4.48	74.02
4500- 4999	--	--	--	1.19	3.17	--	9.02	18.91	15.62	32.65	80.56
5000 and Over	--	--	.81	--	.75	8.94	26.09	.08	8.26	4.05	43.98
Total	--	--	17.25	153.29	360.77	1,252.67	1,848.24	1,645.71	1,911.36	1,447.64	8,636.93

Note: Roads under construction included in this table 876.39 Miles.

Table No. 6A

Miles of Gravel Surfaced Rural Primary
Roads in Iowa in Each Sufficiency Rating
Group Classified by Traffic Volume.

Traffic Volume Group	Sufficiency Rating Group										Total
	0 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 to 100	
0 - 249	--	--	--	--	8.20	13.62	37.77	90.24	160.28	132.45	442.56
250 - 499	--	--	--	25.05	32.95	94.55	134.34	236.49	180.37	12.57	716.32
500 - 749	--	--	--	10.15	12.00	22.03	16.45	11.34	4.68	--	76.65
750 - 999	--	--	--	--	--	12.14	6.18	5.14	--	--	23.46
1000 - 1499	--	--	--	--	--	--	--	--	--	--	--
1500 - 1999	--	--	--	--	--	--	.26	--	--	--	.26
2000 - 2499	--	--	--	--	--	--	--	--	--	--	--
2500 - 2999	--	--	--	--	--	--	--	--	--	--	--
3000 - 3499	--	--	--	--	--	--	--	--	--	--	--
3500 - 3999	--	--	--	--	--	--	--	--	--	--	--
4000 - 4499	--	--	--	--	--	--	--	--	--	--	--
4500 - 4999	--	--	--	--	--	--	--	--	--	--	--
5000 and Over	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	35.20	53.15	142.34	195.00	343.21	345.33	145.02	1,259.25

-176-

Note: Roads under construction included in this table 294.85 Miles.

Table No. 6B

Miles of Bituminous Surfaced Rural
Primary Roads in Iowa in Each Sufficiency
Rating Group Classified by Traffic Volume

Traffic Volume Group	Sufficiency Rating Group										Total
	0 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 to 100	
0 - 249	--	--	--	--	--	--	--	5.70	18.13	14.76	38.59
250 - 499	--	--	--	--	.38	19.29	21.40	40.32	128.94	20.19	230.52
500 - 749	--	--	--	--	.62	27.98	32.00	55.78	116.61	19.27	252.26
750 - 999	--	--	--	--	--	14.47	39.91	56.91	53.81	--	165.10
1000 - 1499	--	--	--	--	1.24	2.21	13.14	22.45	13.94	--	52.98
1500 - 1999	--	--	--	--	--	--	.34	5.71	--	--	6.05
2000 - 2499	--	--	--	--	--	--	13.27	--	--	--	13.27
2500 - 2999	--	--	--	--	--	.62	--	--	--	--	0.62
3000 - 3499	--	--	--	--	--	--	--	--	--	--	--
3500 - 3999	--	--	--	--	--	--	--	--	--	--	--
4000 - 4499	--	--	--	--	--	--	--	--	--	--	--
4500 - 4999	--	--	--	--	--	--	--	--	--	--	--
5000 and Over	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	2.24	64.57	120.06	186.87	331.43	54.22	759.39

Note: Roads under construction included in this table 10.56 miles.

Table 6C

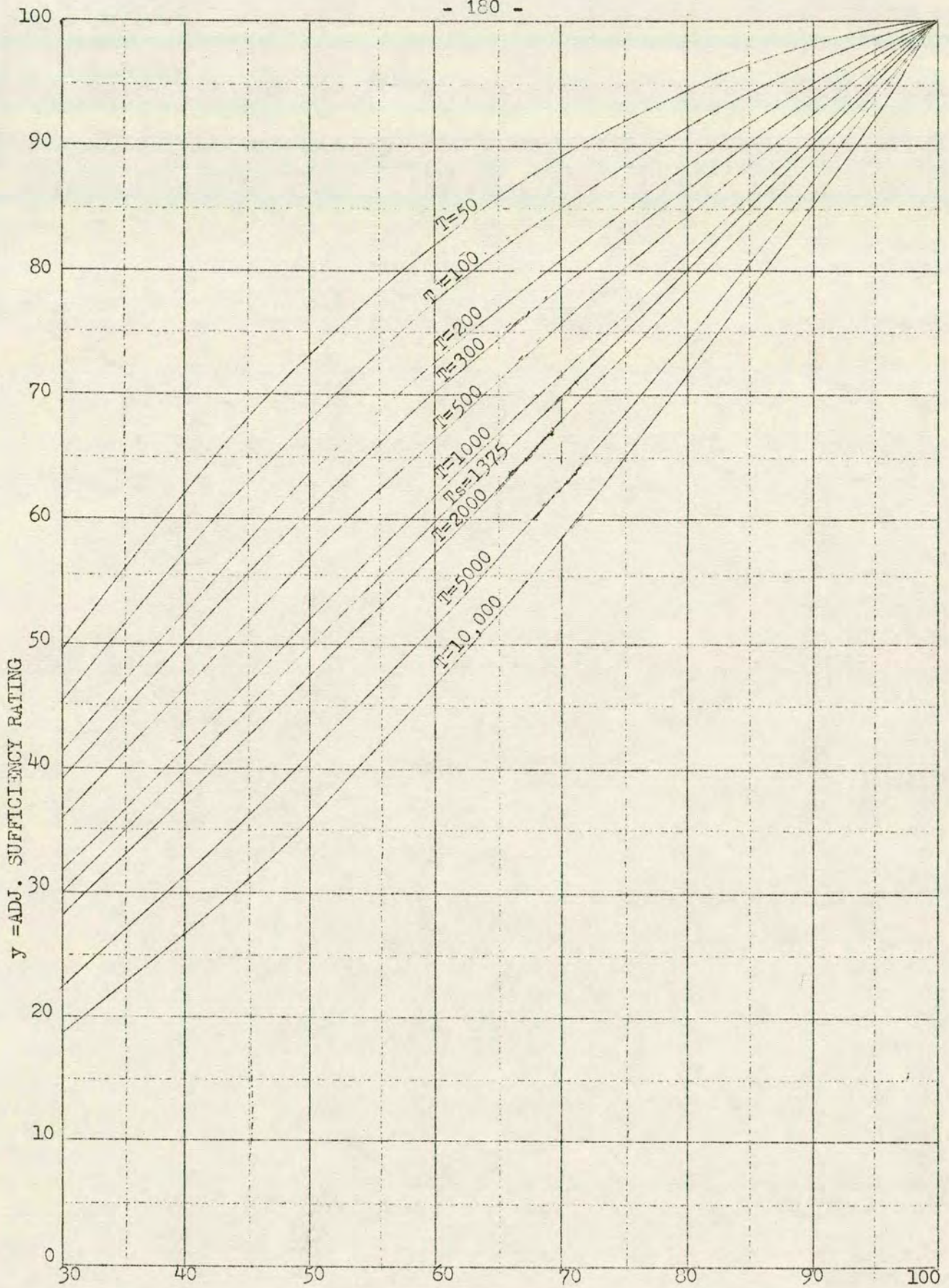
Miles of Paved Rural Primary Roads
in Iowa in Each Sufficiency Rating
Group Classified by Traffic Volume

Traffic Volume Group	Sufficiency Rating Group										Total
	0 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 to 100	
0 - 249	--	--	--	--	--	--	--	1.10	12.40	59.68	73.18
250 - 499	--	--	--	--	.33	--	14.75	14.10	93.26	446.16	568.60
500 - 749	--	--	--	--	--	--	12.87	38.13	183.99	208.97	443.96
750 - 999	--	--	--	--	1.33	39.79	78.66	107.19	251.03	133.11	611.11
1000 -1499	--	--	--	--	14.95	186.40	518.40	322.78	373.85	85.72	1,502.10
1500 -1999	--	--	--	14.65	44.09	370.07	503.03	292.88	141.56	73.48	1,439.76
2000 -2499	--	--	11.11	55.11	111.46	259.14	189.97	124.93	51.60	34.61	837.93
2500 -2999	--	--	--	16.46	57.59	96.11	78.87	86.43	32.22	89.50	457.18
3000 -3499	--	--	0.10	20.76	44.59	50.64	41.15	85.74	39.38	60.07	342.43
3500 -3999	--	--	5.23	9.92	24.83	20.24	46.73	15.29	5.32	15.92	143.48
4000 -4499	--	--	--	--	2.29	12.14	15.93	8.07	31.11	4.48	74.02
4500 -4999	--	--	--	1.19	3.17	--	9.02	18.91	15.62	32.65	80.02
5000 and Over	--	--	.81	--	.75	11.23	23.80	.08	3.26	4.05	43.98
Total	--	--	17.25	118.09	305.38	1,045.76	1,533.18	1,115.63	1,234.60	1,248.40	6,618.29

Note: Roads under construction included in this table 570.98 miles.

PART VI

APPENDIX



Formula:

$$y = x + \frac{x^2 - 100x}{50 \log T_s} (\log T - \log T_s)$$

x = Basic Sufficiency Rating

x = Basic Sufficiency

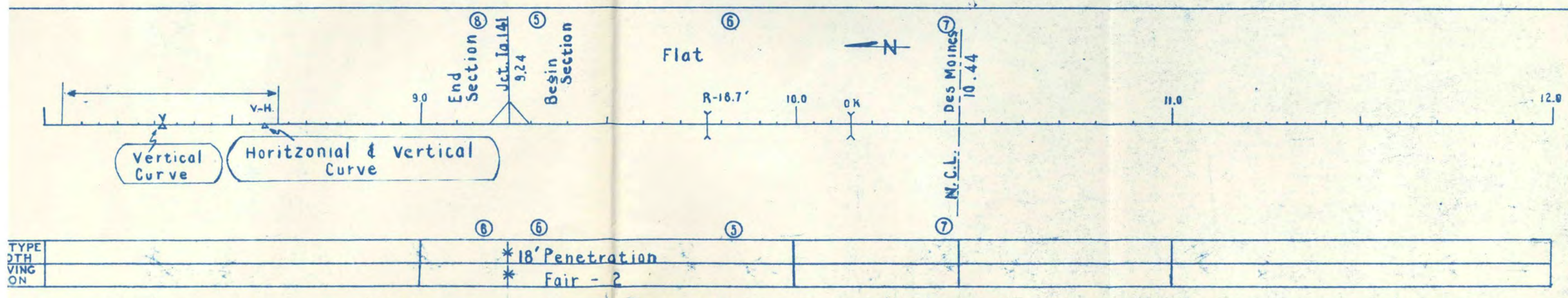
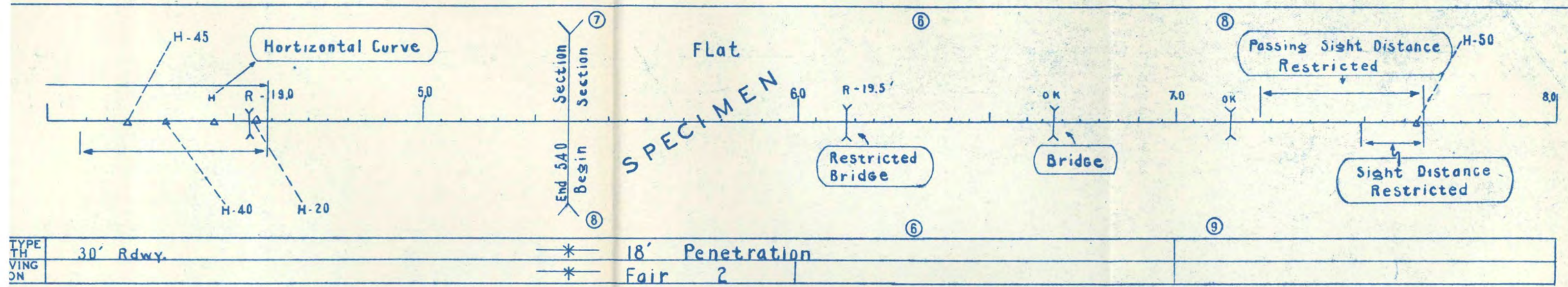
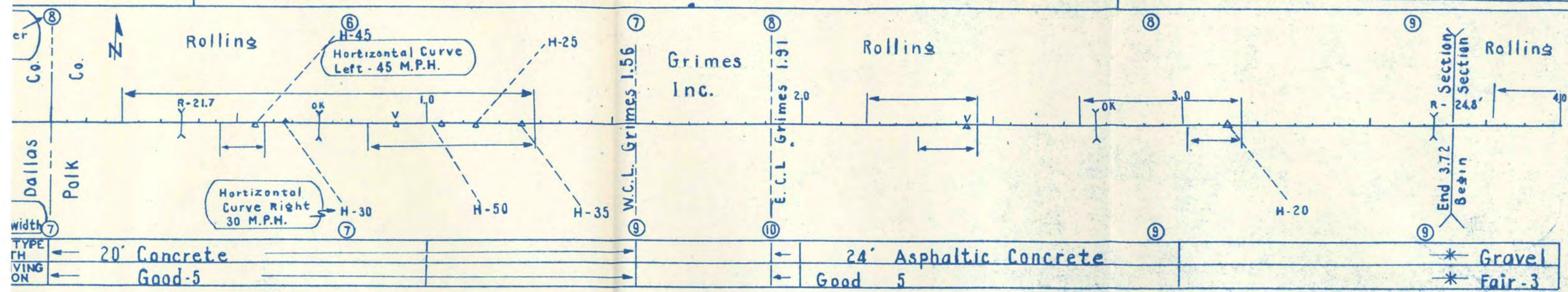
T = Traffic on Section

T_s = 1953 Ave. Daily Traffic on Rural Primary System

IOWA HIGHWAY COMMISSION
SAFETY AND TRAFFIC
SUFFICIENCY RATING
FIELD DATA SHEET

COUNTY POLK LOCATION
U.S. ROUTE _____ FROM DALLAS Co. LINE
IA. ROUTE 64 TO W.C.L. DES MOINES

OF _____
ER JOHN DOE
10-22-53



STATE LIBRARY OF IOWA



3 1723 02046 7213

