

Hist 10

State of Iowa

1958

RURAL PRIMARY ROAD

SUFFICIENCY GUIDE

STUDY

Iowa State Highway Commission  
Safety and Traffic Department  
Highway Planning Survey  
in  
Cooperation with  
the  
Bureau of Public Roads

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## INTRODUCTION

Sufficiency guide 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 guide 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.

Changes in sufficiency ratings, due to construction, have been accounted for in the years succeeding 1954 and new ratings have been assigned for all sections on which construction work was completed prior to January 1, 1959. The roads under construction or programmed as of January 1, 1959 were estimated as to the final rating when construction is completed and are indicated on the map with broken line symbols. The mileage of these roads are included in the tables in Part V of this report on the basis of future completed work.

PART II

PROCEDURES USED IN THE IOWA SUFFICIENCY GUIDE 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 a composite of the ratings developed by other state highway departments 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. The 100 points allowed for the maximum sufficiency was, therefore, divided as follows: 25 points for Structural Adequacy, 40 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.

The procedures used in determining the 1957 and 1958 sufficiency guide study were modified from those used in previous years.

The major change involves the placing of greater emphasis on the surface width of road sections. In previous years this item was assigned a total of 18 points, and now has been increased to 27 points. The total basic sufficiency rating remains at 100 points. Therefore, the sub-classifications of wearing surface, base and sub-base, road bed, drainage and maintenance economy were decreased one point each and the sub-classifications of shoulder width and surface driving condition were decreased two points each. The other sub-classifications of sight distance, hazards, alignment and passing sight distance remain unchanged.

The standards were modified to meet today's traffic conditions as follows:

	Previous Standards ADT	Present Standards ADT
Surface - 4 Lane Divided 4 Lanes 24 Ft. 22 Ft. 20 Ft.	7000 & over	7000 & over
	5000 to 7000	5000 to 7000
	2000 to 5000	400 to 5000
	750 to 2000	under 400
	Under 750	--
Shoulders - 10 Ft. with 4 Ft. Median 10 Ft. 8 Ft. 6 Ft.	7000 & over	7000 & over
	2000 to 7000	600 to 7000
	750 to 2000	400 to 600
	Under 750	under 400

Exhibit A in the appendix of this report indicates the points assigned to the various surface and shoulder widths for paved, bituminous and gravel surfaces.

The reductions applied to the basic sufficiency rating for gravel roads were increased as follows:

Traffic Volume Groups (ADT)	Points Previously Deducted From Basic Sufficiency Rating For Gravel Roads	Points Presently Deducted From Basic Sufficiency Rating For Gravel Roads
under 100	0	15
101 - 150	2	15
151 - 200	4	17
201 - 250	6	19
251 - 300	8	21
301 - 350	10	23
351 - 400	12	25
401 - 450	14	27
451 - 500	16	29
501 - 550	18	31
551 & over	20	31

The analysis of the basic sufficiency rating due to an adjustment of traffic was modified and separated into two groups instead of the previously used one group. Traffic adjustment logarithmic curves were used for dust-

less surfaced roads as one group and for gravel surfaced roads as the second group. Exhibit B in the appendix of this report shows the curves used to adjust the basic sufficiency rating for paved-bituminous and gravel surfaces according to the traffic volume.

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 Guide Study.

Classification of Adequacy	Par Value
Structural Adequacy	
Wearing Surface	7
Base and Sub-base	7
Road bed	4
Drainage	3
Maintenance Economy	4
Total Structural Adequacy	25
Safety	
Surface Width	17
Shoulder Width	4
Sight Distance (800 ft.)	10
Hazards	9
Total Safety	40
Service	
Alignment	12
Passing Sight Distance	8
Surface Width	10
Surface Driving Condition	5
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 wear-

ing 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 sub-base. 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 Sub-base	Road Bed	Drainage	Maintenance Economy
Excellent	7	7	4	3	
Good	6	6	3	2	
	5	5			
Fair	4	4	2	1	
	3	3			
	2	2			
Poor	1	1	1	0	
	0	0			
Below Average Cost					4
					3
Average Cost					2
Above Average Cost					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 C 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.

The assignment of point values for surface width and shoulder widths were based on the standards previously mentioned on page 5.

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

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 Topograph - 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 the 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 to each sub-classification produced the basic sufficiency rating for each section of roadways. The gravel adjustment was applied to all gravel road as per table on page 5. The final sufficiency rating was determined by using the appropriate traffic adjustment curve.

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

PART IV  
CONTROL SECTION LOG  
OF SUFFICIENCY RATING ON  
THE IOWA 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	1956 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	13	15	13	41	41	1085	44
1	NCL of Keosauqua to S Jct Ia 16	5.12	Paved	20	13	27	24	64	64	1185	67
1	S Jct Ia 16 to N Jct Ia 16	2.38	Paved	20	13	27	23	63	63	2320	62
1	N Jct Ia 16 to SCL of Birmingham	2.37	Paved	20	13	29	25	67	67	1067	69
1	NCL of Birmingham to Jefferson Co Line	1.01	Paved	20	13	30	26	69	69	1240	71
Jefferson County											
1	Van Buren Co Line to SCL of Fairfield	6.82	Paved	18	13	18	12	43	43	1369	45
1	NCL of Fairfield to Jct Ia 356	8.01	Paved	18	14	19	18	51	51	1807	50
1	Jct Ia 356 to End of Conc Section	.79	Paved	18	14	13	16	43	43	1220	46
1	End of Conc Sec to Keokuk Co Line	1.26	Bit S.T.	24	11	28	29	68	68	1330	70
Keokuk County											
1	Jefferson Co Line to Jct Ia 78	1.10	Bit Pen	24	11	34	26	71	71	1188	73
1	Jct Ia 78 to Washington Co Line	.86	Bit Pen	24	11	36	28	75	75	1440	76
Washington County											
1	Keokuk Co Line to WCL Brighton	5.99	Bit S.T.	24	13	32	28	73	73	1456	74
1	NCL Brighton to S Jct Ia 92	10.24	Paved	22	20	30	28	78	78	1760	78
1	S Jct Ia 92 to N Jct Ia 92	2.93	Paved	24	24	38	33	95	95	2255	95
1	N Jct Ia 92 to SCL Kalona	9.65	Paved	24	22	35	30	87	87	1150	88
1	NCL Kalona to Johnson Co Line	1.26	Paved	22	22	31	27	80	80	1280	82
Johnson County											
1	Washington Co Line to WCL of Ia City	14.72	Paved	22	24	33	25	82	82	1525	83
1	ECL of Ia City to Cedar Co Line	7.73	Bit Pen	24	6	30	13	49	49	1165	51

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Route No.	Location	Length of Surface	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Cedar County											
1	Johnson Co Line to WCL West Branch	.72	Bit Pen	24	6	24	28	58	58	1240	61
1	ECL West Branch to Beg 36 Sect	3.85	Paved	24	22	38	28	88	88	969	90
1	Beg 36 Ft Sect to Beg 40 Ft Sect	.02	Paved	36	22	36	33	91	91	970	92
1	Beg 40 Ft Sect to Beg 32 Ft Sect	.36	Paved	40	22	34	29	85	85	650	88
1	Begin 32 Ft Sect to End 32 Ft Sect	.04	Paved	32	22	36	33	88	88	651	91
1	End 32 Ft Sect to Beg Gravel Sect	6.22	Paved	24	22	35	28	85	85	486	90
1	Beg Gravel Sect to Jct Ia 38	.20	Gravel	43	24	40	31	95	66	486	64
		97.62*									
Fremont County											
2	Missouri R Bridge to Jct Ia 239	8.62	Paved	24	(Programed)			83	83	1090	86
2	Jct Ia 239 to S Jct US 275	2.45	Paved	24	(Programed)			72	72	1070	75
2	S Jct US 275 to SCL Sidney	3.43	Paved	18	17	12	12	41	41	1560	42
2	ECL of Sidney to Begin 22 Ft Sec	.94	Paved	18	17	21	22	60	60	1120	63
2	Begin 22 Ft Sec to End 22 Ft Sec	1.64	Paved	22	25	35	32	92	92	1120	93
2	End 22 Ft Sec to Jct Ia 174	6.45	Paved	18	19	17	13	49	49	1237	53
2	Jct Ia 174 to Page Co Line	5.20	Paved	18	19	14	15	48	48	1840	47
Page County											
2	N Jct US 59 to S Jct US 59	.60	Paved	24	(Programed)			90	90	3450	90
2	SCL Shenandoah to Beg Asph Sect	.05	Paved	24	20	36	32	88	88	2130	87
2	Beg Asph Sect to Beg New Conc Sect	.43	Paved	24	21	36	31	88	88	2130	87
2	Beg New Conc Sect to Beg Asph Conc	.87	Paved	24	25	40	31	96	96	2131	95
2	Beg Asph Sect to Jct Ia 208	6.22	Paved	24	19	31	23	73	73	1820	72
2	Jct Ia 208 to WCL Clarinda	9.30	Paved	24	19	32	27	78	78	1870	78
2	ECL Clarinda to Beg 18 Ft Conc Sec	.84	Paved	22	25	34	31	90	90	3390	88
2	Beg 18 Ft Conc Sect to E Jct <del>is</del> 71	.07	Paved	18	19	23	18	60	60	3390	56
2	E Jct US 71 to Taylor Co Line	5.60	Paved	18	17	13	13	43	43	1775	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	1956 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Taylor County											
2	Page Co Line to WCL of Bedford	11.85	Paved	18	18	14	13	45	45	1008	49
2	ECL of Bedford to Ringgold Co Line	12.88	Paved	18	16	14	15	45	45	985	49
Ringgold County											
2	Taylor Co L S Jct Ia 25 to Beg 20 Ft SE	1.07	Paved	18	17	22	19	58	58	830	62
2	Begin 20 Ft Sec to N Jct Ia 25	1.10	Paved	20	19	29	22	70	70	830	73
2	N Jct Ia 25 to WCL of Benton	5.81	Paved	20	19	23	23	65	65	975	69
2	ECL of Benton to Jct Ia 66	1.52	Paved	20	24	19	22	65	65	1300	67
2	Jct Ia 66 to W Jct US 169	3.33	Paved	20	24	25	19	68	68	1250	70
2	W Jct US 169 to WCL Mt Ayr	1.13	Paved	20	24	23	22	69	69	1830	68
2	ECL Mt Ayr to E Jct US 169	.55	Paved	20	24	19	18	61	61	1950	60
2	E Jct US 169 to WCL Kellerton	8.99	Paved	20	24	27	21	72	72	1250	74
2	NCL of Kellerton to Decatur Co Line	1.81	Paved	20	25	26	20	71	71	910	74
Decatur County											
2	Ringgold Co Line to Jct Ia 294	3.07	Paved	20	25	22	22	69	69	910	72
2	Jct Ia 294 to WCL of Decatur City	6.77	Paved	20	25	24	23	72	72	802	76
2	ECL of Decatur City to W Jct US 69	3.81	Paved	20	25	25	22	72	72	1027	75
2	W Jct US 69 to Begin 24 Ft Sec	.12	Paved	18	19	20	18	57	57	2770	54
2	Begin 24 Ft Sec to WCL Leon	.14	Paved	24	25	37	34	96	96	2770	95
2	ECL of Leon to Jct Ia 204	7.89	Paved	20	18	18	20	56	56	1438	57
2	Jct Ia 204 to Wayne Co Line	1.98	Paved	20	18	23	23	64	64	950	67
Wayne County											
2	Decatur Co Line to N Jct US 65	3.07	Paved	18	13	14	13	37	37	908	41
2	N Jct US 65 to S Jct US 65	.29	Paved	18	13	16	13	42	42	1640	42
2	S Jct US 65 to Jct Ia 40	7.19	Paved	18	13	15	11	39	39	1310	41
2	Jct Ia 40 to WCL of Corydon	2.00	Paved	18	13	12	15	40	40	1550	40

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	1956 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Wayne County Continued											
2	ECL of Corydon to WCL of Promise City	8.33	Paved	18	13	13	15	41	41	1554	42
2	ECL of Promise City to Jct Ia 55	.96	Paved	18	13	14	15	42	42	1050	45
2	Jct Ia 55 <del>Ia 55</del> to Appanoose Co Line	1.54	Paved	18	13	19	17	49	49	1305	52
Appanoose County											
2	Wayne Co line to Jct Ia 138	9.23	Paved	18	13	15	14	42	42	1374	47
2	Jct Ia 138 to WCL of Centerville	1.79	Paved	18	13	14	6	33	33	2470	31
2	ECL Centerville to Jct Ia 369	8.73	Paved	24	(Programed)			68	68	1763	68
2	Jct Ia 369 to Jct Ia 142	1.38	Paved	24	(Programed)			68	68	1470	69
2	Jct Ia 142 to Davis Co Line	2.01	Paved	24	15	30	24	69	69	1320	71
Davis County											
2	Appanoose Co Line to W Jct US 63	7.41	Paved	24	14	37	26	77	77	1206	78
2	W Jct US 63 to WCL Bloomfield	4.63	Paved	24	14	33	22	69	69	1680	69
2	ECL of Bloomfield to WCL of Pulaski	9.13	Paved	18	13	19	12	44	44	1257	46
2	ECL of Pulaski to Van Buren Co line	5.04	Paved	18	13	20	18	51	51	1270	53
Van Buren County											
2	ECL of Milton to WCL of Cantril	4.27	Paved	18	13	20	12	45	45	1040	48
2	NCL of Cantril to Jct Ia 1	7.35	Paved	18	13	10	11	34	34	1119	37
2	Jct Ia 1 to Jct Ia 79	7.44	Paved	18	12	18	17	47	47	1082	50
2	Jct Ia 79 to Jct Ia 114	4.60	Paved	18	12	18	17	47	47	1170	49
2	Jct Ia 114 to Begin 20 Ft Section	.17	Paved	18	13	22	22	57	57	1800	56
2	Begin 20 Ft Sec to Begin 26 Ft Sec	.02	Paved	20	20	28	25	73	73	1800	73
2	Begin 26 Ft Sec to WCL of Farmington	.15	Paved	26	20	39	32	91	91	1800	91
2	SCL of Farmington to Lee Co Line	.97	Paved	18	12	14	20	46	46	1350	48

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Iowa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Lee County											
2	Van Buren Co Line to WCL of Donnellson	8.59	Paved	24	19	36	27	82	82	1281	83
2	ECL of Donnellson to Urban Area Line	8.44	Paved	18	15	18	20	53	53	1179	55
2	Urban Area Line to W Jct US 61	.91	Paved	18	15	16	22	53	53	1190	55
2	W Jct US 61 to WCL Ft Madison	1.20	Paved	20	18	28	24	70	70	2900	67
		243.37*									
Plymouth County											
3	S Dakota St line to S Jct Iowa 12	1.51	Gravel	32	16	30	29	75	44	870	37
3	S Jct Ia 12 to SCL Ackron	4.69	Paved	24	20	30	30	80	80	630	85
3	SCL Ackron to Beg Mix Bit Sec	1.27	Bit S.T.	24	21	30	25	76	76	580	81
3	Beg Mix Bit Sect to Jct Ia 7	9.73	Mixed Bit.	24	18	27	25	70	70	490	77
3	Jct Ia 7 to WCL Lemars	9.19	Paved	22	24	35	30	89	89	630	91
3	ECL Lemars to WCL Remsen	9.02	Paved	24	20	33	23	76	76	1660	76
3	ECL Remsen to Jct Ia 140	.50	Paved	24	20	32	29	81	81	1810	80
3	Jct Ia 140 to Cherokee Co Line	5.02	Paved	24	20	31	26	77	77	1424	78
Cherokee County											
3	Plymouth Co Line to Int Ia 143	2.99	Paved	20	19	26	23	68	68	1123	71
3	Int Ia 143 to N Jct US 59	13.60	Paved	20	19	26	22	67	67	1535	68
3	N Jct US 59 to S Jct US 59	3.00	Paved	24	(Programed)			90	90	3110	90
3	S Jct US 59 to E Jct Ia 5	4.52	Paved	20	20	20	21	61	61	1870	59
3	E Jct Ia 5 to Buena Vista Co Line	3.43	Paved	22	25	36	31	92	92	800	93
Buena Vista County											
3	Cherokee Co Line to Int US 71	12.06	Paved	22	25	34	30	89	89	800	91
3	Int US 71 to Jct Ia 197	10.06	Paved	22	20	38	33	91	91	463	94
3	Jct Ia 197 to Pocahontas Co Line	2.00	Paved	22	17	39	33	89	89	200	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	1956 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Pocahontas County											
3	Buena Vista Co to WCL Pocahontas	12.30	Paved	22	21	37	33	91	91	302	95
3	ECL of Pocahontas to Jct Ia 44	6.38	Paved	20	23	25	24	72	72	1884	72
Humboldt County											
3	Jct Ia 44 to WCL of Gilmore City	4.81	Paved	20	23	25	24	72	72	1802	72
3	ECL of Gilmore City to WCL of Humboldt	10.74	Paved	20	24	26	25	75	75	1855	75
3	ECL Humboldt to WCL Dak City	.98	Paved	24	25	38	31	94	94	330	97
3	ECL of Dak City to NW Cor Sec 5 91 28W	.24	Paved	20	25	23	14	62	62	1920	61
3	NW Cor Sec 5 91 28W to Jct Ia 302	7.04	Paved	20	21	26	24	71	71	1970	71
3	Jct Ia 302 to West Jct Ia 60	4.04	Paved	20	21	26	25	72	72	1780	72
Wright County											
3	West Jct Ia 60 to WCL of Goldfield	2.01	Paved	20	21	22	21	64	64	2210	63
3	ECL Goldfield to WCL of Clarion	7.87	Paved	18	21	20	20	61	61	2281	60
3	ECL Clarion to W Jct US 69	4.54	Paved	24	(Programmed)			83	83	2790	80
3	W Jct US 69 to E Jct US 69	1.62	Paved	24	21	34	26	81	81	3585	78
3	E Jct US 69 to Jct Ia 353	3.37	Paved	18	18	18	17	53	53	1444	55
3	Jct Ia 353 to Franklin Co Line	2.74	Paved	18	21	21	21	63	63	1439	65
Franklin County											
3	Wright Co Line to Jct Ia 107	1.04	Paved	18	20	18	19	57	57	1510	58
3	Jct Ia 107 to Int Ia 263	5.51	Paved	18	21	20	21	62	62	1628	62
3	Int Ia 263 to WCL of Hampton	7.67	Paved	18	21	22	18	61	61	2185	60
3	ECL of Hampton to Butler Co Line	8.33	Paved	24	21	35	26	82	82	1890	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	1956 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Butler County											
3	Franklin Co Line to Jct Ia 326	6.21	Paved	24	18	30	28	76	76	1621	76
3	Jct Ia 326 to W Jct Ia 14	4.79	Paved	24	16	32	26	74	74	1490	75
3	W Jct Ia 14 to E Jct Ia 14	.97	Paved	24	16	33	26	75	75	1688	75
3	E Jct Ia 14 to Jct Ia 188	6.38	Paved	18	15	15	15	45	45	1500	46
3	Jct Ia 188 to WCL of Shell Rock	4.93	Paved	18	19	13	11	43	43	1220	45
3	ECL of Shell Rock to Bremer Co Line	.75	Paved	18	19	15	13	47	47	2070	46
Bremer County											
3	Butler Co Line to WCL of Waverly	3.56	Paved	18	16	17	15	48	48	2070	47
3	ECL of Waverly to Urban Area Line	1.35	Paved	24	16	34	24	74	74	2850	72
3	Urban Area Line to Beg New 24 Ft Conc	2.11	Paved	24	16	32	25	73	73	2850	71
3	Beg New 24 Ft Con Sec to Beg 24 Ft Asp Con	.48	Paved	24	25	39	32	96	96	2840	96
3	Beg 24 Ft Asp Conc to Beg New 24 Ft Asp Conc	2.53	Paved	24	16	34	24	74	74	2420	72
3	Beg New 24 Ft Asph Conc Sec to Jct US 63	.02	Paved	24	25	40	34	99	99	2420	99
3	Jct US 63 to Beg Conc Sect	.89	Paved	24	25	40	34	99	99	2130	99
3	Beg Conc Sect to Jct Ia 241	5.22	Paved	24	15	37	28	80	80	2145	80
3	Jct Ia 241 to Mr N $\frac{1}{4}$ Cor N $\frac{1}{4}$ Sec 8 91 11W	2.69	Paved	24	(Programed)			80	80	2050	80
3	N $\frac{1}{4}$ Cor NW $\frac{1}{4}$ Sec 8 91 11W to N $\frac{1}{4}$ NE $\frac{1}{4}$ Sec 8 91 11W	.64	Paved	24	(Programed)			89	89	2050	89
3	N $\frac{1}{4}$ NE $\frac{1}{4}$ Sec 8 91 11W to Fayette Co Line	4.16	Paved	24	(Programed)			83	83	1860	83
Fayette County											
3	Bremer Co Line to N Jct Ia 150	8.61	Paved	24	(Programed)			81	81	1900	81
3	N Jct Ia 150 to Beg 49 Ft Sect	1.61	Paved	24	18	26	26	70	70	3440	66
3	Begin 49 Ft Sec to NCL Oelwein	.03	Paved	49	25	40	34	99	99	3440	99
3	ECL Oelwein to Jct Ia 154	13.16	Paved	18	(Programed)			52	52	1830	52
3	Jct Ia 154 to Clayton Co Line	2.01	Paved	18	(Programed)			46	46	1555	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	1956 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Clayton County											
3	Fayette Co Line to WCL Strawberry Point	2.94	Paved	18	16	18	15	49	49	1608	50
3	SCL Strawberry Point to Jct Ia 410	.78	Paved	20	15	22	20	57	57	1930	57
3	Jct Ia 410 to E Jct Ia 13	4.23	Paved	20	15	24	19	58	58	1755	58
Delaware County											
3	E Jct Ia 13 to WCL Edgewood	2.87	Paved	20	13	25	21	59	59	1377	61
3	ECL of Edgewood to Begin 22 Ft Sec	3.04	Paved	20	17	26	20	63	63	960	67
3	Begin 22 Ft Sec to Jct Ia 38	1.21	Paved	22	19	31	26	76	76	960	77
3	Jct Ia 38 to End of 22 Ft Sec	5.84	Paved	22	19	29	23	71	71	780	75
3	End of 22 Ft Sec to Jct Ia 376	.96	Paved	20	19	29	23	71	71	780	75
3	Jct Ia 376 to Dubuque Co Line	4.95	Paved	20	19	27	21	67	67	940	70
Dubuque County											
3	Delaware Co Line to WCL of Luxemburg	2.80	Paved	20	19	25	21	65	65	920	69
3	ECL Luxemburg to Beg 20 Ft Sect	14.69	Paved	18	13	13	2	28	28	1800	28
3	Beg 20 Ft Sect to WCL Durango	1.96	Paved	20	13	15	16	44	44	1710	44
3	ECL Durango to Begin 22 Ft Sec	2.96	Paved	20	13	22	16	51	51	1905	50
3	Begin 22 Ft Sec to End 22 Ft Sec	.45	Paved	22	18	34	16	68	68	3000	65
3	End 22 Ft Sec to N Jct Ia 386	.22	Paved	20	10	28	17	55	55	3000	51
3	N Jct Ia 386 to S Jct Ia 386	1.58	Paved	20	10	25	18	53	53	3750	48
3	S Jct Ia 386 to NCL Dubuque	1.01	Paved	20	10	19	21	50	50	5360	42
		309.41*									
Crawford County											
4	NCL of Denison to Begin 22 Ft Sec	3.96	Paved	18	20	22	17	59	59	1110	62
4	Begin 22 Ft Sec to Sac Co Line	12.43	Paved	22	20	32	26	78	78	1000	81
Sac County											
4	Crawford Co Line to WCL of Odebolt	7.19	Paved	22	23	34	29	86	86	981	88
4	W Jct Ia 175 to W Jct US 71	5.53	Paved	20	23	24	24	71	71	1657	71
		29.11*									

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	1956 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Plymouth County											
5	SCL Akron to Beg Mix Bit Sect	1.27	Bit. S.T.	24	21	30	25	76	76	580	81
5	Big Mix Bit Sect to Jct Ia. 7	9.73	Mixed Bit	24	18	27	25	70	70	585	77
5	Jct Ia. 7 to WCL LeMars	9.19	Paved	22	24	35	30	89	89	630	91
5	ECL LeMars to WCL Remsen	9.02	Paved	24	20	33	23	76	76	1660	76
5	ECL Remsen to Jct Ia. 140	5.50	Paved	24	20	32	29	81	81	1810	80
5	Jct Ia. 140 to Cherokee Co Line	5.02	Paved	24	20	31	26	77	77	1425	78
Cherokee County											
5	Plymouth Co Line to Int Ia 143	2.99	Paved	20	19	26	23	68	68	1125	71
5	Int Ia 143 to N Jct US 59	13.60	Paved	20	19	26	22	67	67	1535	68
5	N Jct US 59 to S Jct US 59	3.00	Paved	24	Programmed			90	90	3110	90
5	S Jct US 59 to E Jct Ia 3	4.52	Paved	20	20	20	21	61	61	1870	59
5	E Jct Ia 3 to WCL of Aurelia	2.13	Paved	20	20	26	18	64	64	1582	64
5	ECL of Aurelia to Buena Vista Co Line	2.08	Paved	20	21	28	24	73	73	1360	73
Buena Vista County											
5	Cherokee Co Line to WCL of Alta	4.20	Paved	20	21	27	24	72	72	1390	74
5	ECL of Alta to WCL of Storm Lake	3.71	Paved	20	20	28	23	71	71	2020	70
5	ECL Storm Lake to Beg 36 ft Conc Sect	.24	Paved	48	22	36	34	92	92	3350	91
5	Beg 36 ft Conc Sec to Beg 24 Ft Conc Sec	.06	Paved	36	22	36	34	92	92	3350	91
5	Beg 24 ft Conc Sect to S Jct US 71	3.07	Paved	24	18	36	29	83	83	3350	81
5	S Jct US 71 to WCL of Newell	7.47	Paved	20	20	27	22	69	69	1487	70
5	SCL of Newell to Jct Ia 360	.19	Paved	20	20	29	27	76	76	1010	78
5	Jct Ia 360 to Pocahontas Co Line	4.57	Paved	20	20	27	22	69	69	1253	71
Pocahontas County											
5	Buena Vista Co Line to WCL of Fonda	3.52	Paved	20	23	27	24	74	74	1388	74
5	ECL of Fonda to N Jct Ia 17	8.66	Paved	20	22	26	25	73	73	1032	75
5	N Jct Ia 17 to Calhoun Co Line	1.78	Paved	20	23	26	26	75	75	2340	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	1956 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Calhoun County											
5	Pocahontas Co L to NCL of Pomeroy	.44	Paved	20	18	24	18	60	60	2340	58
5	SCL of Pomeroy to S Jct Ia 17	2.21	Paved	20	18	25	25	68	68	2150	67
5	S Jct Ia 17 to Webster Co L	12.12	Paved	20	18	26	23	67	67	1543	67
Webster County											
5	Calhoun Co Line to Jct Ia 321	4.08	Paved	18	17	19	20	56	56	1661	56
5	Jct Ia 321 to Urban Area Line	7.01	Paved	18	17	19	19	55	55	2134	55
5	Urban Area Line to Int US 169	.60	Paved	18	17	21	21	59	59	2840	56
5	Int US 169 to WCL Ft Dodge	.44	Paved	18	18	19	15	52	52	2840	50
Pottawattamie County											
6	ECL Council Bluffs to Begin 24 Ft Sec	1.02	Paved	18	13	10	8	31	31	4102	26
6	Begin 24 Ft Sec to End 24 Ft Sec	.21	Paved	24	23	31	26	80	80	3670	77
6	End 24 Ft Sec to End Winding Sec	7.90	Paved	18	14	13	10	37	37	3515	32
6	End Winding Sec to S Jct US 59	14.10	Paved	18	11	14	19	44	44	3244	40
6	S Jct US 59 to SCL Oakland	.57	Paved	18	15	13	18	46	46	3700	41
6	ECL Oakland to End 24 Ft Sec	.30	Paved	24	24	40	34	98	98	2900	98
6	End 24 Ft Sec to Cass Co Line	11.57	Paved	18	9	13	17	39	39	2978	35
Cass County											
6	Pottawattamie Co Line to Jct Ia 48	1.03	Paved	18	9	18	16	43	43	3075	39
6	Jct Ia 48 to Jct Ia 414	2.70	Paved	18	9	11	17	37	37	3149	33
6	Jct Ia 414 to Urban Area Line	5.71	Paved	24	22	33	29	84	84	2770	84
6	Urban Area to WCL Atlantic	1.11	Paved	24	22	36	33	91	91	2890	90
6	ECL Atlantic to W Jct US 71	.50	Paved	24	19	37	26	82	82	3901	79
6	W Jct US 71 to E Jct US 71	2.08	Paved	24	19	31	28	78	78	4905	73
6	E Jct US 71 to WCL of Wiota	2.72	Paved	18	11	18	16	45	45	2710	42
6	ECL of Wiota to Beg 24 Ft Conc Sect	5.86	Paved	18	11	21	19	51	51	2366	49
6	Begin 24 Ft Conc Sect to WCL of Anita	.09	Paved	24	24	40	35	99	99	2390	99
6	ECL of Anita to Adair Co Line	3.11	Paved	18	12	20	19	51	51	2280	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	1956 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
		Adair County									
6	Cass Co Line to In Sec 8-77-33W	1.80	Paved	18	12	12	18	42	42	2280	40
6	In Sec 8-77-33W to WCL Adair	1.42	Paved	18	11	14	15	40	40	2302	38
		Guthrie County									
6	NCL of Adair to WCL of Casey	6.51	Paved	18	11	17	18	46	46	2157	44
6	ECL of Casey to W Jct Ia 25	1.64	Paved	18	12	11	15	38	38	2260	36
6	W Jct Ia 25 to E Jct Ia 25	1.96	Paved	18	13	19	17	49	49	2220	47
6	E Jct Ia 25 to WCL of Menlo	2.17	Paved	18	13	22	13	53	53	2552	51
6	ECL of Menlo to Adair Co Line	3.90	Paved	18	13	20	18	51	51	2548	49
		Adair County									
6	ECL Stuart to Guthrie Co Line	1.75	Paved	18	10	15	16	41	41	2850	38
		Guthrie County									
6	Adair Co Line to Dallas Co Line	2.04	Paved	18	10	12	16	38	38	2850	35
		Dallas County									
6	ECL Dexter to Jct US 6	.81	Paved	18	20	16	16	52	52	2940	49
6	Jct Ia 90 to Jct Ia 232	3.76	Paved	24	25	36	30	91	91	1390	93
6	Jct Ia 232 to Int US 169	5.73	Paved	24	25	35	29	89	89	1760	89
6	Int US 169 to Jct Ia 293	3.49	Paved	24	25	40	30	95	95	1960	95
6	Jct Ia 293 to Begin Old Pavement	3.11	Paved	24	25	40	33	98	98	2020	98
6	Begin Conc Sec to Begin Bit Sec	4.91	Paved	24	25	40	35	100	100	1845	100
6	Beg Bit Sect to Polk Co Line	.15	Paved	24	16	38	25	79	79	1930	79
		Polk County									
6	Dallas Co Line to Beg Conc	.23	Paved	24	25	28	27	80	80	2410	79
6	Beg Conc to WCL WDM	.37	Paved	24	15	35	32	82	82	2410	81
		21.75									

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Route No.	Location	Length of Surface	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Polk County (cont.)											
6	ECL Des Moines to E Jct US 65 Ia 64	.74	Paved	44	25	40	28	93	93	9650	90
6	E Jct US 65 Ia 64 to Beg 24 Ft PCC	.24	Paved	48	20	39	35	94	94	5470	94
6	Beg 24 Ft PCC Pav to Beg 24 Ft AC Sect	.07	Paved	24	20	39	34	93	93	5080	93
6	Beg 24 Ft Widen Sect to Beg 24 Ft AC Sect	1.47	Paved	24	20	35	28	83	83	5080	80
6	Beg 24 Ft AC Sec to 20 Mi W of WCC Altoona	.30	Paved	24	20	37	26	83	83	5080	80
6	20 Mi West of WCL Altoona to WCL Altoona	.20	Paved	24	20	39	26	85	85	5080	81
6	ECL of Altoona to Jct Ia 126	5.63	Paved	24	20	33	28	81	81	4504	77
6	Jct 126 to Jasper Co Line	.67	Paved	24	20	37	26	83	83	2639	81
Jasper County											
6	Polk Co Line to WCL of Colfax	5.63	Paved	24	23	34	30	87	87	3496	85
6	ECL of Colfax to Begin Conc Sec	7.93	Paved	24	23	33	29	85	85	4094	82
6	Beg Conc Sect to Beg 31 Ft Sec	.03	Paved	24	25	40	34	99	99	4290	99
6	Beg 31 Ft Sect to WCL of Newton	1.11	Paved	31	24	31	32	87	87	4294	84
6	ECL of Newton to Jct Ia 224	5.87	Paved	24	23	36	29	88	88	3584	86
6	Jct Ia 224 to Poweshiek Co Line	8.09	Paved	24	25	37	31	93	93	3142	93
Poweshiek County											
6	Jasper Co. Line to Urban Area Line	1.17	Paved	24	25	36	30	91	91	3080	90
6	Urban Area Line to WCL of Grinnell	.52	Paved	24	25	36	23	84	84	3200	82
6	ECL Grinnell to Urban Area Line	.50	Paved	24	25	40	35	100	100	3410	0
6	Urban Area Line to W Jct US 63	5.62	Paved	24	25	38	30	93	93	3410	92
6	W Jct US 63 to E Jct US 63	2.10	Paved	24	25	38	30	93	93	2325	93
6	E Jct US 63 to Jct 398	5.53	Paved	24	25	37	30	92	92	2690	92
6	Jct 398 to W Jct Ia 21	7.42	Paved	24	25	38	32	95	95	2180	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	1956 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Iowa County											
6	W Jct Ia 21 to E Jct Ia 21	.60	Paved	24	24	38	32	94	94	2180	94
6	E Jct Ia 21 to Int Old US 6	2.77	Paved	24	24	38	32	94	94	2180	94
6	Int Old US 6 to ECL Ladora	2.37	Paved	24	17	30	28	75	75	2591	73
6	ECL Ladora to Jct Ia 212	6.01	Paved	24	19	33	33	85	85	2799	83
6	Jct Ia 212 to West Jct Ia 149	3.60	Paved	24	17	33	29	79	79	3679	76
6	W Jct Ia 149 to Int Ia 220	1.99	Paved	24	17	32	30	79	79	4060	75
6	Int Ia 220 to Sec 5-80-9W	3.06	Paved	24	19	38	33	90	90	3680	88
6	Sec 5-80-9W to E Jct Ia 149	1.77	Paved	24	17	30	28	75	75	3296	72
6	E Jct Ia 149 to Johnson Co Line	2.42	Paved	24	17	34	30	81	81	3190	79
Johnson County											
6	Iowa Co Line to Sec 8-80-8W	1.50	Paved	24	17	32	28	77	77	3190	74
6	Sec 8-80-8W to 06 Mi W Jct Ia 109	3.52	Paved	24	19	38	31	88	88	3680	86
6	6 Mi W of Jct Ia 109 to Jct Ia 109	.05	Paved	24	19	40	34	93	93	3680	92
6	Jct Ia 109 to End 24 Ft Sec	.11	Paved	24	19	40	34	93	93	2820	93
6	End 24 Ft Sec to Beg 24 Ft Asph Sec	1.11	Paved	24	19	37	29	85	85	2820	83
6	Beg 24 Ft Asph Sect to WCL Tiffin	2.91	Paved	24	15	33	25	73	73	3160	70
6	ECL Tiffin to Beg 24 Ft Conc Sect	2.67	Paved	24	15	40	34	89	89	3310	87
6	Beg 24 Ft Conc Sect to Jct US 218	.78	Paved	24	15	40	34	89	89	3310	87
6	US 218 to WCL of Coralville	1.42	Paved	24	17	26	27	70	70	6790	62
6	ECL of Coralville to WCL of Ia City	.55	Paved	48	18	40	34	92	92	9240	90
6	ECL Ia City to Beg 24 Ft Sect	2.06	Paved	48	Programmed			90	90	3140	90
6	Beg 24 Ft Sect to Beg Asph Sect	5.73	Paved	24	Programmed			90	90	3140	90
6	Beg 24 Ft Sec to Muscatine Co Line	2.10	Paved	24	15	34	27	76	76	2910	73
Muscatine County											
6	Johnson Co Line to NCL West Liberty	5.69	Paved	24	18	33	26	77	77	3129	74
6	ECL West Liberty to South Jct Ia 38	11.29	Paved	24	18	30	30	78	78	3395	75
6	S Jct Ia 38 to N Jct Ia 38	1.23	Paved	24	18	28	20	66	66	3740	61
6	N Jct 38 to WCL Wilton Jct	.85	Paved	24	18	27	22	67	67	3989	62
6	ECL Wilton Jct to Cedar Co Line	2.16	Paved	24	18	32	30	80	80	4020	86

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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	1956 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
6	Muscatine Co Line to WCL Durant	Cedar County 2.48	Paved	24	21	36	32	89	89	3550	87
6	Cedar Co. L to Muscatine Co Line	Scott County .56	Paved	24	Programed			85	85	3550	82
6	Cedar Co Line to Scott Co Line	Muscatine County 5.47	Paved	24	Programed			86	86	3585	84
6	Muscatine Co Line to Jct Ia 228	Scott County .47	Paved	24	15	36	34	85	85	3650	82
6	Jct Ia 228 to WCL Davenport	7.79	Paved	24	18	34	25	77	77	3761	73
		260.84*									
7	So Line Plymouth County to Int Ia 5	Plymouth County 16.52	Mixed Bit	24	14	28	22	64	64	535	71
		16.52*									
8	ECL of Traer to Sec 13-85-13W	Tama County 7.28	Bit.S.T.	24	15	37	29	81	81	900	83
8	Sec 13-85-13W to Jct Ia 21 Benton Co Line	1.00	Bit.S.T.	24	15	38	30	83	83	610	88
8	Tama Co Line Jct Ia 21 to Jct US 218	Benton County 5.27	Mix.Bit.	24	4	35	27	66	66	544	73
		13.55*									
9	Minn State Line to WCL Larchwood	Lyon County 5.03	Paved	20	22	28	24	74	74	1760	74
9	SCL of Larchwood to Jct Ia 26	1.00	Paved	20	22	25	22	69	69	1760	69
9	Jct Ia 26 to W Jct US 75	12.31	Paved	20	22	27	22	71	71	1710	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	1956 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Lyon County (cont.)											
9	W Jct 75 to WCL Rock Rapids	.19	Paved	20	21	26	23	70	70	3060	67
9	ECL of Rock Rapids to Jct Ia 339	7.43	Paved	20	20	25	24	69	69	1431	70
9	Jct Ia 339 to Jct Ia 178	5.70	Paved	20	20	26	25	71	71	1152	74
9	Jct Ia 178 to Begin 22 Ft Section	.24	Paved	20	20	26	20	66	66	1175	69
9	Begin 22 Ft Section to Osceola Line	1.00	Paved	22	23	33	30	86	86	1020	88
Osceola County											
9	Lyon Co Line to Int Ia 33	6.45	Paved	22	23	35	30	88	88	1020	90
9	Int. Ia to End 22 Ft Sec	.20	Paved	22	20	33	29	82	82	1380	83
9	End 22 Ft Sec to Int US 59	4.74	Paved	24	20	35	31	86	86	1380	87
9	Int US 59 to Jct Ia 237	5.79	Paved	24	20	34	29	83	83	1400	84
9	Jct Ia 237 to Jct Ia 238	5.13	Paved	24	19	34	30	83	83	1618	83
9	Jct Ia 238 to Dickinson Co Line	2.38	Paved	24	20	35	31	86	86	1290	87
Dickinson County											
9	Osceola Co Line to Jct Ia 219	3.28	Paved	20	18	25	22	65	65	1514	66
9	Jct Ia 219 to End of 20 Ft Section	6.63	Paved	20	18	20	22	60	60	1780	60
9	End of 20 Ft Section to Jct Ia 32	.50	Paved	18	19	14	17	50	50	2070	49
9	Jct Ia 32 to W 6-99-36	1.48	Paved	24	18	30	26	74	74	2275	73
9	End 20 Ft Sec W 6-99-36W	1.20	Paved	24	18	31	27	76	76	2478	75
9	W 6-99-36 to W Jct US 71	1.68	Paved	24	19	38	32	89	89	2620	88
9	W Jct US 71 to WCL Spirit Lake	.58	Paved	48	20	40	27	87	87	5520	83
9	ECL Spirit Lake to E Jct US 71	5.46	Paved	20	18	27	21	66	66	2890	63
9	East Jct US 71 to Jct Ia 203	1.30	Paved	20	20	29	24	73	73	2153	72
9	Jct Ia 203 to ECL of Superior	1.02	Paved	20	20	29	26	75	75	2620	73
9	ECL of Superior to Emmet Co Line	1.44	Paved	20	20	29	22	71	71	2770	68

Sufficiency Rating by Routes of the  
Icwa Rural Primary Road System

Route No.	Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Emmet County											
9	Dickinson County Line to Jct Ia 245	2.00	Paved	24	22	32	26	80	80	2768	78
9	Jct Ia 245 to Urban Area Line	.68	Paved	24	22	30	27	79	79	2940	77
9	Urban Area Line to WCL Estherville	.58	Paved	24	22	36	30	88	88	2940	87
9	ECL of Estherville to WCL Armstrong	16.82	Paved	24	22	35	30	87	87	1762	87
9	ECL of Armstrong to Kossuth Co Line	1.59	Paved	24	22	37	31	90	90	1620	90
Kossuth County											
9	Emmet Co Line to WCL Swea City	6.16	Paved	24	Programed			85	85	1475	86
9	ECL Swea City to W Jct US 169	4.76	Paved	24	Programed			87	87	1530	88
9	W Jct US 169 to Jct Ia 250	5.90	Paved	24	Programed			82	82	1730	82
9	Jct Ia 250 to E Jct US 169	.39	Paved	18	19	23	23	65	65	1680	65
9	E Jct Ia 169 to Winnebago Co Line	6.01	Paved	18	19	22	21	62	62	1230	62
Winnebago County											
9	Kossuth Co Line to WCL Buffalo Center	.94	Paved	18	19	20	21	60	60	1150	63
9	ECL Buffalo Center to Jct Ia 322	.50	Paved	18	19	20	21	60	60	1810	59
9	Jct Ia 322 to N Jct US 69	16.01	Paved	18	19	18	16	53	53	1460	54
9	W Jct US 69 to NCL Leland	1.78	Paved	24	18	32	24	74	74	2280	72
9	SCL Leland to NCL Forest City	3.00	Paved	24	18	34	27	891	891	2590	78
9	ECL Forest City to Begin 20 Ft Section	2.53	Paved	18	15	20	18	53	53	1060	57
9	Begin 20 Ft Sec to Jct Ia 332	.49	Paved	20	23	30	21	74	74	1060	77
9	Jct Ia 332 to Worth Co Line	3.51	Paved	20	24	30	26	80	80	1014	82
Worth County											
9	Winnebago Co Line to Jct Ia 86	3.99	Paved	20	24	30	22	76	76	940	79
9	Jct Ia 86 to WCL of Hanlontown	2.32	Paved	20	24	28	23	75	75	930	78
9	ECL of Hanlontown to Int US 65 WCL Manly	8.03	Paved	20	24	31	25	80	80	894	83
9	ECL of Manly to Jct Ia 337	6.43	Paved	20	24	25	23	72	72	908	75
9	Jct Ia 337 to Mitchell Co Line	2.01	Paved	20	24	29	21	74	74	1420	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	1956 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Mitchell County											
9	Worth Co Line to Jct Ia 177	7.29	Paved	20	24	29	23	76	76	1466	77
9	Jct Ia 177 to WCL of Osage	2.78	Paved	20	24	26	25	75	75	1560	75
9	ECL Osage to E Jct US 218	3.09	Paved	18	23	21	22	66	66	1865	66
9	E Jct US 218 to Jct Ia 312	12.62	Paved	18	22	20	20	62	62	782	67
9	Jct Ia 312 to WCL of Riceville	1.24	Paved	18	22	17	17	56	56	960	60
		<u>27.02</u>									
Howard County											
9	ECL of Riceville to Int US 63	13.10	Paved	20	19	27	23	69	69	630	75
9	Int US 63 to WCL of Cresco	8.99	Paved	18	19	17	16	52	52	1136	55
9	ECL of Cresco to East Jct Ia 139	.90	Paved	18	17	16	14	47	47	1350	49
9	East Jct Ia 139 to Winneshiek Co Line	.17	Paved	18	17	11	15	43	43	850	48
		<u>23.16</u>									
Winneshiek County											
9	Howard Co Line to NCL of Ridgeway	5.85	Paved	18	17	15	14	46	46	910	50
9	ECL of Ridgeway to S Jct US 52	9.88	Paved	18	16	16	13	45	45	1138	48
9	S Jct US 52 to WCL Decorah	.07	Paved	18	13	21	21	55	55	3210	51
9	ECL Decorah to Allamakee Co Line	10.21	Paved	18	16	16	12	44	44	921	48
		<u>26.01</u>									
Allamakee County											
9	Winneshiek Co Line to WCL Waukon	7.72	Paved	18	17	15	13	45	45	880	50
9	NCL Waukon to WCL Lansing	15.30	Paved	18	20	20	14	54	54	737	60
9	NCL Lansing to WCL Lansing	.09	Paved	18	22	22	16	60	60	550	68
		<u>277.89*</u>									
Sioux County											
10	So Dak St Line to NCL Hawarden	2.30	Paved	24	22	36	33	91	91	620	93
10	ECL of Hawarden to Jct Ia 231	7.98	Paved	20	23	23	23	69	69	961	72
10	Jct Ia 231 to Int US 75	7.18	Paved	20	23	28	23	71	71	821	75
10	Int US 75 to WCL Orange City	5.76	Paved	20	23	26	23	72	72	1395	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	1956 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Sioux County (Cont.)											
10	ECL Orange City to End New 24 Ft Sec	.14	Paved	24	22	36	32	90	90	1460	90
10	End New 24 Ft Sec to End 24 Ft Sec	2.19	Paved	24	20	32	27	79	79	1760	79
10	End 24 Ft Sec to W Jct Ia 33	.49	Paved	20	23	22	21	66	66	1760	66
10	W Jct Ia 33 to E Jct Ia 33	.32	Paved	20	23	19	20	62	62	2870	59
10	E Jct Ia 33 to WCL of Grandville	6.84	Paved	22	23	37	31	90	90	550	93
10	ECL of Grandville to O'Brien Co Line	.54	Paved	22	23	33	34	95	95	620	95
O'Brien County											
10	Sioux Co Line to Jct Ia 143	2.97	Paved	22	24	38	33	95	95	620	95
10	Jct Ia 143 to WCL of Paullina	5.48	Paved	22	24	37	34	95	95	790	96
10	ECL of Paullina to W Jct US 59	3.26	Paved	18	20	16	19	55	55	1080	58
10	W Jct US 59 to E Jct US 59	4.91	Paved	18	21	18	16	55	55	1310	57
10	E Jct US 59 to WCL of Sutherland	2.00	Paved	18	20	20	23	63	63	970	67
10	SCL of Sutherland to Clay Co Line	6.76	Paved	20	24	24	21	69	69	1130	72
Clay County											
10	O'Brien Co Line to WCL of Peterson	1.86	Paved	18	21	15	17	53	53	1221	56
10	ECL of Peterson to Jct Ia 264	4.39	Paved	18	20	19	19	58	58	924	62
10	Jct Ia 264 to N Jct US 71	4.69	Paved	18	20	18	18	56	56	670	63
10	N Jct US 71 to Beg Conc Sect	.64	Paved	24	20	36	31	87	87	2350	86
10	Beg 20 Ft Conc Sec to Buena Vista Co Line	.27	Paved	20	20	29	24	73	73	2350	71
Buena Vista County											
10	Clay Co Line to NCL Sioux Rapids	.94	Paved	20	15	27	24	66	66	2350	65
10	SCL Sioux Rapids to S Jct US 71	2.26	Paved	20	17	27	23	67	67	2210	66
10	S Jct US 71 to Jct Ia 390	8.55	Paved	20	20	28	25	73	73	1414	74
10	Jct Ia 390 to Pocahontas Co Line	3.48	Paved	20	20	30	25	75	75	956	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	1956 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Pocahontas County											
10	Buena Vista Co Line to WCL of Laurens	3.00	Paved	20	23	28	26	77	77	978	80
10	SCL of Laurens to WCL of Havelock	7.43	Paved	20	23	27	25	75	75	1323	77
10	ECL of Havelock to N Jct Ia 17	.85	Paved	20	23	25	22	70	70	1065	73
10	N Jct Ia 17 to End of 20 Ft Sec	2.49	Paved	20	21	26	25	72	72	2150	71
10	End 20 Ft Sec to NCL of Pocahontas	3.49	Paved	18	21	20	23	64	64	2270	63
		103.46*									
Plymouth County											
12	Woodbury Co Line to SCL Westfield	15.57	Paved	22	25	37	34	96	96	300	98
12	NCL of Westfield to S Jct Ia 3	.26	Gravel	24	20	40	35	95	66	480	63
12	South Jct Ia 3 to SCL Akron	4.69	Paved	24	20	30	30	80	80	630	85
12	NCL Akron to Sec 9-93-48W	3.57	Paved	24	20	29	25	74	74	575	80
12	Sec 9-93-48W to Sioux Co Line	2.01	Paved	22	20	35	32	87	87	575	90
Sioux County											
12	NCL Chatsworth to SCL Hawarden	4.64	Paved	22	22	36	32	90	90	425	94
		30.74*									
Linn County											
13	Jct US 151 Ia 64 to Begin Asph Conc	4.00	Paved	18	13	19	17	49	49	2046	48
13	Begin Asph Conc Sec to SCL Central City	7.66	Paved	18	14	19	19	52	52	2268	50
13	NCL of Central City to Begin Asph Conc	3.80	Paved	18	14	20	16	50	50	1720	49
13	Begin Asph Conc to SCL of Coggon	.73	Paved	18	14	18	19	51	51	1720	50
13	ECL of Coggon to Begin Conc Section	2.99	Paved	18	14	16	19	49	49	2000	48
13	Begin Conc Section Delaware Co Line	.21	Paved	18	13	23	23	59	59	2000	58
Delaware County											
13	Linn Co Line to SCL of Ryan	3.74	Paved	18	15	19	18	52	52	1320	54
13	NCL of Ryan to SCL of Manchester	8.76	Paved	18	15	14	18	47	47	1575	48
13	NCL of Manchester to E Jct Ia 3	10.24	Paved	18	15	15	15	45	45	1450	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	1956 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Clayton County											
13	Delaware Co Line to S Jct Ia 3	.11	Paved	18	15	20	23	58	58	820	63
13	S Jct Ia 3 to Jct Ia 410	4.23	Paved	20	15	24	19	58	58	1755	58
13	Jct Ia 410 to SCL Strawberry Point	.78	Paved	20	15	22	20	57	57	1930	57
13	NCL Strawberry Point to Jct Ia 112	7.06	Paved	18	16	12	7	35	35	970	43
13	Jct Ia 112 to SCL Elkader	6.91	Paved	18	16	15	6	37	37	875	42
13	NCL Elkader to Jct Ia 128	2.01	Paved	18	16	13	10	39	39	1430	40
13	Jct Ia 128 to Jct Ia 290	6.17	Paved	18	16	15	13	44	44	900	48
13	Jct Ia 290 to S Jct US 52	2.70	Paved	18	16	19	17	52	52	765	57
13	S Jct US 52 to N Jct US 52	.25	Paved	18	13	14	14	41	41	1620	41
13	N Jct US 52 to W Jct US 18	.75	Paved	18	16	20	15	51	51	740	57
13	W Jct US 18 to WCL McGregor	6.17	Paved	18	9	17	9	35	35	1635	37
13	NCL Marquette to Allamakee Co Line	2.05	Bit Pen	22	9	33	24	66	66	610	72
Allamakee County											
13	Clayton Co Line to Jct Ia 364	4.02	Bit Pen	24	9	27	18	54	54	610	62
13	Jct Ia 364 to Jct Ia 373	8.69	Bit Pen	24	8	33	19	60	60	505	68
13	Jct Ia 373 to Jct Ia 51	6.79	Bit Pen	24	5	31	17	53	53	645	60
13	Jct Ia 51 to SCL Waukon	2.46	Paved	18	18	15	14	47	47	1190	50
13	NCL Waukon to Jct UA 119	15.74	Paved	22	25	36	28	89	89	395	92
13	Jct Ia 119 to Minn State Line	3.32	Paved	22	25	36	30	91	91	150	96
122.34*											
Wayne County											
14	NCL of Corydon to Begin 22 Ft Sec	1.46	Paved	18	13	10	11	33	33	1000	36
14	Begin 22 Ft Sec to Lucas Co Line	7.54	Paved	22	19	33	27	79	79	1000	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	1956 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Lucas County											
14	Wayne Co Line to SCL of Chariton	7.41	Paved	22	23	33	27	83	83	1040	85
14	NCL of Chariton to Jct Ia 253	5.03	Paved	20	20	26	20	66	66	1235	70
14	Jct Ia 253 to Marion Co Line	7.26	Paved	22	23	35	31	88	88	620	91
Marion County											
14	Lucas Co Line to Begin 20 Ft Sec	3.89	Paved	22	22	38	32	92	92	590	94
14	Begin 20 Ft Sec to SCL Knoxville	7.98	Paved	20	19	28	23	70	70	1000	73
14	NCL Knoxville to Beg 22 Ft Sect	4.49	Paved	20	19	22	23	64	64	1150	67
14	Beg 22 Ft Sec to Jasper Co Line	8.06	Paved	22	23	33	29	85	85	980	88
Jasper County											
14	Marion Co Line to SCL Monroe	.50	Paved	22	25	29	31	85	85	910	88
14	NCL of Monroe to End of 20 Ft Sec	6.00	Paved	20	18	22	19	59	59	1270	62
14	End of 20 Ft Sec to WCL of Newton	5.38	Paved	18	18	15	17	50	50	1370	52
14	NCL of Newton to Begin 22 Ft Sec	4.06	Paved	20	20	26	22	68	68	1340	70
14	Begin 22 Ft Sec to Jct Ia 223	3.02	Paved	22	23	32	18	73	73	1040	76
14	Jct Ia 223 to Marshall Co Line	9.96	Paved	22	24	33	20	77	77	800	80
Marshall County											
14	Jasper Co Line to SCL of Laurel	1.24	Paved	22	20	34	31	85	85	1040	87
14	NCL of Laurel to End 22 Ft Section	2.15	Paved	22	20	32	28	80	80	1170	82
14	End 22 Ft Sec to Urban Area Line	5.75	Paved	20	22	25	22	69	69	1650	69
14	Urban Area Line to Int US 30	.52	Paved	20	22	25	22	69	69	1850	69
14	US 30 to SCL Marshalltown	1.50	Paved	44	25	40	35	100	100	5190	100
14	NCL Marshalltown to Jct Ia 233	4.06	Paved	24	(Programed)			73	73	3505	69
14	Jct Ia 233 to Jct Ia 96	4.00	Paved	24	(Programed)			78	78	3180	75
14	Jct Ia 96 to Jct Ia 311	.50	Paved	24	(Programed)			87	87	2560	86
14	Jct Ia 311 to Grundy Co Line	1.48	Paved	24	(Programed)			79	79	2450	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	1956 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Grundy County											
14	Marshall Co Line to Jct Ia 185	1.00	Paved	24	(Programed)			89	89	2450	88
14	Jct Ia 185 to Beg Conc Sect	5.00	Paved	24	(Programed)			86	86	1810	86
14	Beg Conc Sect to S Jct Ia 57	4.12	Paved	24	18	33	28	79	79	1810	79
14	S Jct Ia 57 to WCL Grundy Center	6.17	Paved	24	18	33	24	75	75	1750	75
14	NCL Grundy Center to N Jct Ia 57	6.78	Paved	24	18	35	28	81	81	1750	81
14	N Jct Ia 57 to Butler Co Line	6.15	Paved	22	25	35	32	92	92	790	94
Butler County											
14	Grundy Co Line to E Jct US 20	1.00	Paved	22	25	38	34	97	97	650	98
14	E Jct US 20 to 31 Mi N of Jct US 20	.31	Paved	24	25	40	35	100	100	2380	100
14	31 Mi of Jct US 20 to SCL Parkersburg	.43	Paved	24	23	38	32	93	93	2380	93
14	NCL of Parkersburg to E Jct Ia 3	11.27	Paved	20	25	23	23	71	71	1550	72
14	E Jct Ia 3 to W Jct Ia 3	.97	Paved	24	16	33	26	75	75	1685	75
14	W Jct Ia 3 to Jct Ia 47	.77	Paved	22	25	39	33	97	97	550	98
14	Jct Ia 47 to SCL of Greene	9.19	Paved	22	25	35	28	88	88	1015	90
14	NCL of Greene to Floyd Co Line	.39	Paved	20	24	23	19	66	66	1150	70
Floyd County											
14	Butler Co Line to Jct Ia 54	4.01	Paved	20	24	29	20	73	73	970	76
14	Jct Ia 54 to Jct Ia 147	6.05	Paved	20	22	29	24	75	75	980	78
14	Jct Ia 147 to WCL Charles City	6.36	Paved	20	23	28	23	74	74	1255	76
		173.21*									
Wapello County											
15	WCL of Ottumwa to Urban Area Line	.56	Bit Pen	24	13	33	26	72	72	1750	72
15	Urban Area Line to Sec 32 73 14W	3.44	Bit Pen	24	13	30	26	69	69	1635	69
15	Sec 32 73 14W to SCL of Eddyville	8.67	Bit S.T.	24	13	30	27	70	70	1445	71
		12.67*									

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	1956 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Wapello County											
16	Jct US 34 to End of Asph Conc Sec	.11	Paved	24	21	40	34	95	95	800	96
16	End of Asph Sec to NCL of Eldon	5.11	Paved	18	13	20	11	44	44	860	49
16	SCL Eldon to Davis County Line	1.03	Bit S.T.	24	19	35	24	78	78	580	81
Davis County											
16	Van Buren County Line to Wapello Co Line	.81	Bit S.T.	24	19	36	32	87	87	580	90
Van Buren County											
16	Davis Co Line to Jct Ia 98	6.05	Bit S.T.	24	15	35	27	77	77	565	82
16	Jct Ia 98 to North Jct Ia 1	7.48	Bit S.T.	24	11	37	22	70	70	370	78
16	N Jct Ia 1 to S Jct Ia 1	2.38	Paved	20	13	27	23	63	63	2320	62
16	S Jct Ia 1 to Jct Ia 269	5.37	Gravel	32	15	37	32	84	63	300	63
16	Jct Ia 269 to Lee Co Line	6.03	Gravel	32	15	33	30	78	59	245	62
Lee County											
16	Van Buren Co Line to Jct Ia 270	.63	Gravel	32	17	35	28	80	63	165	69
16	Jct Ia 270 to Int US 218	9.37	Paved	18	13	22	14	49	49	365	59
16	Int US 218 to Jct Ia 88	12.78	Paved	22	21	38	29	88	88	370	92
16	Jct Ia 88 to Jct Ia 394	1.98	Bit S.T.	24	14	31	31	76	76	650	81
16	Jct Ia 394 to Jct US 61	4.06	Bit S.T.	24	14	35	30	79	79	560	84
63.19*											
Guthrie County											
17	NCL Panora to Jct Ia 271	5.73	Paved	24	(Programed)			90	90	435	90
17	Jct Ia 271 to S Jct Ia 141	4.30	Paved	24	(Programed)			90	90	445	90
17	S Jct Ia 141 to N Jct Ia 141	.23	Paved	22	25	36	32	93	93	1200	94
17	Jct Ia 141 to Greene Co Line	1.40	Paved	22	25	32	31	88	88	375	92

Sufficiency Rating by Routes of the  
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Route No.	Location	Length of Section	Surface Type	Basic Sufficiency Rating					Basic Rating Adj. for Gravel Surface	1956 Traffic	Adjusted Sufficiency Rating
				Surface Width	Structural Adequacy	Safety	Service	Total Basic			
Greene County											
17	Guthrie Co L to SCL Jefferson	9.80	Paved	22	25	34	32	91	91	725	94
17	NCL Jefferson to Begin 20 Ft Sec	2.00	Paved	18	16	21	19	56	56	1670	57
17	Begin 20 Ft Sec to ECL of Churdan	10.03	Paved	20	23	24	24	71	71	1025	74
17	NCL of Churdan to Calhoun Co Line	1.98	Paved	22	25	37	32	94	94	690	95
Calhoun County											
17	Greene Co L to E Jct Ia 175	3.98	Paved	22	25	35	31	91	91	710	93
17	E Jct Ia 175 to ECL of Lohrville	2.95	Bit Pen	26	20	36	32	88	88	1100	39
17	WCL of Lohrville to W Jct Ia 175	3.88	Paved	20	18	27	24	69	69	1405	70
17	W Jct Ia 175 to E Jct US 20	9.14	Paved	20	19	26	23	68	68	1300	70
17	E Jct US 20 to W Jct US 20	.88	Paved	24	(Programmed)			84	84	2390	82
17	W Jct US 20 to Jct Ia 124	5.16	Paved	20	20	28	26	74	74	1200	76
17	Jct Ia 124 to S Jct Ia 5	3.39	Paved	20	20	30	26	76	76	975	79
17	S Jct Ia 5 to SCL Pomeroy	2.21	Paved	20	18	25	25	68	68	2150	67
17	NCL Pomeroy to Pocahontas Co Line	.44	Paved	20	18	24	18	60	60	2340	58
Pocahontas County											
17	Calhoun Co Line to N Jct Ia 5	1.78	Paved	20	23	26	26	75	75	2340	74
17	N Jct Ia 5 to Jct Ia 315	3.55	Paved	20	22	26	25	73	73	1640	73
17	Jct Ia 315 to End 20 Ft Sec	6.72	Paved	20	22	26	25	73	73	1980	72
17	End 20 Ft Sec to SCL of Pocahontas	.01	Paved	18	22	21	23	66	66	2000	65
17	NCL Pocahontas to Begin 20 Ft Sec	3.49	Paved	18	21	20	23	64	64	2270	63
17	Begin 20 Ft Sec to N Jct Ia 10	2.49	Paved	20	21	26	25	72	72	2150	71
17	N Jct Ia 10 to End 20 Ft Sec	1.70	Paved	20	21	26	26	73	73	1275	75
17	End 20 Ft Sec to Jct Ia 195	1.99	Paved	18	21	20	22	63	63	1230	66
17	Jct 195 to Palo Alto Co Line	2.12	Paved	18	21	20	22	63	63	1240	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	1956 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Palo Alto County											
17	Pocahontas Co Line to jct Iowa 354	2.00	Paved	18	16	19	19	54	54	1380	57
17	Jct Ia 354 to SCL Emmetsburg	11.18	Paved	18	(Programed)			53	53	1260	56
17	WCL Emmetsburg to W Jct US 18	3.59	Paved	18	20	18	20	58	58	3145	54
17	W Jct US 18 to Jct Ia 345	8.15	Paved	20	21	25	23	69	69	1360	71
17	Jct Ia 345 to Emmet Co Line	1.26	Paved	20	21	26	23	70	70	1520	71
Emmet County											
17	Palo Alto Co Line to SCL Wallingford	4.40	Paved	20	16	24	24	64	64	1400	65
17	NCL Wallingford to SCL Estherville	4.54	Paved	24	(Programed)			84	84	1940	83
17	NCL Estherville to Minnesota State Line	6.97	Paved	26	25	36	33	94	94	775	97
133.44*											
Lyon County											
18	So Dakota State Line to Jct Ia 26	5.08	Paved	20	23	23	23	69	69	900	73
18	Jct Ia 26 to Sioux Co Line	2.84	Paved	20	23	24	23	70	70	850	74
Sioux County											
18	Lyon Co Line to WCL of Rock Valley	10.95	Paved	22	24	35	31	90	90	845	92
18	ECL of Rock Valley to N Jct US 75	6.01	Paved	20	22	24	21	67	67	1205	70
18	N Jct US 75 to S Jct US 75	.79	Paved	24	22	32	27	81	81	2710	79
18	S Jct US 75 to End 24 Ft Sec	2.23	Paved	24	20	33	28	81	81	1800	81
18	End 24 Ft Sec to O'Brien Co Line	13.72	Paved	20	23	24	24	71	71	1785	71
O'Brien County											
18	ECL Sheldon to WCL Sanborn	8.49	Paved	24	23	39	33	95	95	1960	95
18	ECL Sanborn to E Jct US 59	1.01	Paved	24	23	40	35	98	98	2340	98
18	E Jct US 59 to WCL Hartley	6.91	Paved	24	(Programed)			87	87	1945	87
18	ECL Hartley to Clay Co Line	4.00	Paved	24	(Programed)			81	81	2140	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	1956 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Clay County											
18	O'Brien Co Line to Jct Ia 170	3.09	Paved	24	20	36	29	85	85	2210	83
18	Jct Ia 170 to N Jct US 71	9.01	Paved	24	20	35	30	85	85	2080	84
18	N Jct US 71 to NCL of Spencer	1.46	Paved	48	20	40	35	95	95	6745	94
18	SCL Spencer to Jct Ia 257	5.98	Paved	18	18	19	21	58	58	2465	56
18	Jct Ia 257 to Palo Alto Co Line	5.56	Paved	18	18	16	21	55	55	2395	54
Palo Alto											
18	Clay Co Line to Jct Ia 341	.86	Paved	18	20	20	19	59	59	2560	57
18	Jct Ia 341 to Jct Ia 314	2.97	Paved	18	20	13	18	51	51	2320	49
18	Jct Iowa 314 to Begin 20 Ft Section	1.59	Paved	18	19	19	19	57	57	2205	56
18	Begin 20 Ft Sec to End 20 Ft Sec	.42	Paved	20	19	24	21	64	64	2210	63
18	End 20 Ft Sec to W Jct Ia 17	2.10	Paved	18	19	18	20	57	57	2190	56
18	W Jct Ia 17 to WCL of Emmetsburg	3.59	Paved	18	20	18	20	58	58	3145	54
18	ECL of Emmetsburg to NCL of Cylinder	7.16	Paved	24	19	36	28	83	83	2225	82
18	SCL of Cylinder to Kossuth Co Line	5.51	Paved	24	19	38	32	89	89	1730	89
Kossuth County											
18	Palo Alto Co Line to Int Ia 44	.99	Paved	24	17	34	27	78	78	1650	78
18	Int Ia 44 to 26 Mi West of Jct US 169	9.21	Paved	24	17	35	29	81	81	2195	80
18	26 West Jct US 169 to Jct US 169	.26	Paved	24	25	38	35	98	98	2190	98
18	Jct US 169 to End 26 Ft Sec	.23	Paved	26	25	38	35	98	98	1920	98
18	End 26 Ft Sec to Beg 18 Ft Sect	6.06	Paved	24	15	33	32	80	80	2120	79
18	Beg Reloc to Jct Ia 226	3.19	Paved	24	(Programed)			90	90	2120	90
18	Jct Ia 226 to WCL Wesley	2.51	Paved	24	(Programed)			90	90	1930	90
18	ECL Wesley to Hancock Co Line	.77	Paved	24	(Programed)			90	90	1380	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	1956 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Hancock County											
18	Kossuth Co Line to WCL Britt	8.04	Paved	24	(Programed)			90	90	1885	90
18	ECL Britt to W Jct US 69	8.05	Paved	24	(Programed)			90	90	2140	90
18	W Jct US 69 to Begin New 24 Ft Sec	.42	Paved	24	7	37	33	77	77	4370	73
18	Begin 24 Ft Sec to E Jct US 69	.54	Paved	24	20	40	34	94	94	4370	93
18	E Jct US 69 to Cerro Gordo Co Line	6.12	Paved	24	25	40	35	100	100	3145	100
Cerro Gordo County											
18	Hancock Co Line to New 24 Ft Conc Sec	4.88	Paved	24	25	39	34	98	98	3140	98
18	New Conc Sect to WCL Clear Lake	.07	Paved	24	25	40	35	100	100	3610	100
18	ECL Clear Lake to End 22 Ft Section	3.95	Paved	22	21	31	27	79	79	5080	74
18	End 22 Ft Sec to Begin 22 Ft Sec	1.06	Paved	20	22	23	15	60	60	5060	53
18	Begin of 22 Ft Sec to WCL of Mason City	1.02	Paved	22	21	30	24	75	75	5330	70
18	ECL Mason City to Urban Area Line	1.00	Paved	24	25	36	30	91	91	2960	90
18	Urban Area Line to Floyd Co Line	5.98	Paved	24	25	38	32	95	95	2810	95
Floyd County											
18	ECL of Nora Springs to Jct Ia 147	2.53	Paved	22	21	32	26	79	79	2280	78
18	Jct Ia 147 to Beg Relocation	2.00	Paved	22	21	29	16	66	66	2080	65
18	Beg Relocation to End Relocation	2.50	Paved	24	(Programed)			90	90	2095	90
18	End Relocation to End Asph Conc Sect	3.09	Paved	22	21	34	28	83	83	2095	82
18	End Asph Conc Sec to End of Conc Sec	.27	Paved	22	25	34	27	86	86	1990	85
18	End Conc Section to WCL of Floyd	2.31	Paved	22	21	34	26	81	81	1990	80
18	SCL of Floyd to N Jct US 218	.55	Paved	22	21	33	24	78	78	1930	77
18	N Jct US 218 to End of 22 Ft Sec	3.07	Paved	22	21	32	17	70	70	3480	66
18	End 22 Ft Sec to WCL of Charles City	1.00	Paved	20	22	27	24	73	73	3570	70
18	ECL of Charles City to Chickasaw Co Line	5.01	Paved	24	20	34	27	81	81	1520	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	1956 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Chickasaw County											
18	Floyd County Line to WCL of Bassett	2.05	Paved	20	20	19	22	61	61	1460	62
18	ECL of Bassett to Jct Ia 393	2.77	Paved	20	20	22	22	64	64	1450	65
18	Jct Ia 393 to End 20 Ft Section	3.52	Paved	20	20	21	23	64	64	1515	65
18	Beg 24 Ft Asph Conc to Beg 26 Ft Conc	3.14	Paved	24	25	36	35	96	96	1515	96
18	Beg 26 Ft Conc to Beg 36 Ft Conc Sect	.01	Paved	26	25	36	33	94	94	1515	94
18	Beg 36 Ft Conc to Beg 44 Ft Conc	.02	Paved	36	25	36	35	96	96	1515	96
18	End 44 Ft Conc to WCL New Hampton	.05	Paved	44	25	40	35	100	100	1515	100
18	SCL of New Hampton to Sec 19 95 12W	1.08	Paved	24	25	40	35	100	100	2644	100
18	Sec 19 95 12W to Jct 63	4.47	Paved	24	17	35	29	81	81	2644	80
18	S Jct US 63 to WCL of Fredericksburg	5.73	Paved	18	18	16	18	52	52	1155	55
18	ECL of Fredericksburg to Fayette Co Line	5.53	Paved	20	18	28	23	69	69	1080	72
Fayette County											
18	Chickasaw Co Line to Jct Ia 193	1.97	Paved	20	18	25	23	66	66	1850	66
18	Jct Ia 193 to Jct Ia 102	4.54	Paved	20	18	25	24	67	67	960	70
18	Jct Ia 102 to WCL of West Union	6.51	Paved	18	13	19	17	49	49	1035	52
18	ECL of West Union to WCL of Clermont	7.85	Paved	18	19	17	14	50	50	1360	52
18	ECL of Clermont to Clayton Co Line	4.59	Paved	18	15	13	16	44	44	1000	48
Clayton County											
18	Fayette Co Line to Allamakee Co Line	1.48	Paved	18	9	22	18	49	49	970	53
Allamakee County											
18	Clayton Co Line to W Jct US 52	.83	Paved	18	20	14	22	56	56	945	60
18	W Jct 52 WCL Postville	.43	Paved	18	20	20	11	51	51	2420	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	1956 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Clayton County											
18	Allamakee Co Line to Beg 44 Ft Sec	.05	Paved	44	25	36	35	96	96	2115	96
18	Beg 18 Ft Sect to WCL Luana	5.42	Paved	18	9	19	13	41	41	2115	40
18	ECL Luana to WCL Monona	2.40	Paved	18	9	21	17	47	47	2000	46
18	SCL of Monona to Jct US 52	5.30	Paved	18	9	17	12	38	38	1565	39
18	E Jct US 52 to Jct Ia 13	.51	Paved	18	9	19	20	48	48	630	55
18	Jct Ia 13 to WCL McGregor	6.17	Paved	18	9	17	9	35	35	1365	37
		274.43*									
Woodbury County											
20	ECL Sioux City to Connection to Lawton	7.59	Paved	48	(Programed)			90	90	3000	90
20	Connect to Lawton to Jct Ia 140	5.69	Paved	48	(Programed)			90	90	2660	90
20	Jct Ia 140 to Beg 24 Ft Sect	3.51	Paved	48	(Programed)			90	90	2660	90
20	Beg 24 Ft Sect to Jct Ia 31	11.32	Paved	24	25	39	33	97	97	2000	97
20	Int Ia 31 to Jct Ia 403	5.89	Paved	24	25	39	31	95	95	2000	95
20	Jct Ia 403 to Ida Co Line	.22	Paved	24	25	36	35	96	96	2000	96
Ida County											
20	Woodbury Co Line to Beg old 24 Ft Sect	3.43	Paved	24	25	37	31	93	93	2000	93
20	Begin 24 Ft Sec to W Jct US 59	3.04	Paved	24	20	33	28	81	81	1225	83
20	W Jct US 59 to E Jct US 59	1.16	Paved	24	21	35	29	84	84	2165	83
20	E Jct US 59 to Jct Ia 328	4.97	Paved	24	20	33	28	81	81	1525	81
20	Jct Ia 328 to Sac Co Line	4.89	Paved	24	20	32	29	81	81	1595	81
Sac County											
20	Ida Co Line to Jct Ia 110	1.62	Paved	20	22	20	20	62	62	1400	63
20	Jct Ia 110 to N Jct US 71	7.40	Paved	20	22	26	23	71	71	1205	74
20	N Jct US 71 to NCL Early	.43	Paved	24	21	36	28	85	85	2940	83
20	SCL Early to S Jct US 71	2.29	Paved	24	21	34	29	84	84	2830	82
20	S Jct US 71 to WCL Sac City	6.54	Paved	24	19	33	29	81	81	1550	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	1956 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Sac County Continued											
20	ECL Sac City to Jct Ia 196	.95	Paved	24	(Programed)			91	91	2380	90
20	Jct Ia 196 to WCL Lytton	4.50	Paved	24	(Programed)			90	90	1685	90
Calhoun County											
20	ECL of Lytton to W Jct Ia 17	10.12	Paved	24	(Programed)			83	83	1310	85
20	W Jct Ia 17 to E Jct Ia 17	.88	Paved	24	(Programed)			84	84	2390	82
20	E Jct Ia 17 to WCL Rockwell City	.12	Paved	24	(Programed)			86	86	1910	85
20	ECL Rockwell City to Webster Co Line	11.00	Paved	24	24	35	31	90	90	1980	90
Webster County											
20	Calhoun Co Line to WCL Moorland	5.23	Paved	24	20	35	34	89	89	1980	89
20	NCL Moorland to Urban Area Line	3.10	Paved	24	20	36	34	90	90	2370	89
20	Urban Area Line to W Jct 169	1.31	Paved	24	20	36	34	90	90	2555	89
20	W Jct 169 to WCL Ft Dodge	.68	Paved	24	20	17	20	57	57	7200	48
20	ECL Ft Dodge to Urban Area Line	1.00	Paved	24	18	37	33	88	88	4360	85
20	Urban Area Line to Hamilton Co Line	10.35	Paved	24	20	31	31	82	82	3240	79
Hamilton County											
20	Webster Co Line to W Jct 60	3.13	Paved	24	23	35	32	90	90	2660	89
20	W Jct 60 to WCL Webster City	2.76	Paved	24	23	36	33	92	92	3590	91
20	ECL Webster City Beg Reloc to Present US 20	1.00	Paved	24	(Programed)			90	90	3590	90
20	Present US 20 to Int 69	8.00	Paved	24	23	33	33	89	89	3390	87
20	Int US 69 to SCL Williams	5.57	Paved	24	20	30	30	80	80	1760	80
20	NCL Williams to Hardin Co Line	4.20	Paved	24	20	37	29	86	86	1345	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	1956 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic				
Hardin County												
20	Hamilton Co Line to WCL Alden Jct 359	6.10	Paved	24	20	36	30	86	86	1495	86	
20	ECL Alden to WCL of Ia Falls	4.29	Paved	24	20	33	29	82	82	1920	81	
20	NCL Iowa Falls to N Jct US 65	4.21	Paved	24	18	34	26	78	78	3380	75	
20	N Jct US 65 to WCL Ackley	7.18	Paved	24	20	35	28	83	83	1840	83	
20	ECL Ackley to Grundy Co Line	.77	Paved	24	20	37	30	87	87	2030	86	
Grundy County												
20	Hardin Co Line to Butler Co Line	3.45	Paved	24	20	35	29	84	84	1905	83	
Butler County												
20	Grundy Co Line to WCL Applington	5.46	Paved	24	19	34	25	78	78	1520	78	
20	ECL Applington to WCL Parkersburg	3.88	Paved	24	19	34	24	77	77	1680	77	
20	L Parkersburg 31 Mi W of E Jct Ia 14	.43	Paved	24	23	38	32	93	93	2380	93	
20	31 Mi W of Jct Ia 14 E Jct Ia 14	.31	Paved	24	25	40	35	100	100	2380	100	
20	Jct Ia 14 to Beg Conc Sect	1.23	Paved	24	24	35	27	86	86	1830	86	
20	Beg Conc Sect to End Conc Sect	.44	Paved	24	24	36	35	95	95	1830	95	
20	End Conc Sect to Grundy Co Line	6.05	Paved	24	24	37	30	91	91	1830	91	
Grundy County												
20	Butler Co Line to Blackhawk Co Line	4.89	Paved	24	20	34	28	82	82	2345	81	
Black Hawk County												
20	Grundy Co Line to Urban Area Line	3.52	Paved	24	16	32	30	78	78	2425	77	
20	Urban Area Line to WCL of Cedar Falls	1.08	Paved	24	16	32	30	78	78	2750	76	
20	ECL Elk Run Height to WCL Raymond	.66	Paved	24	25	40	35	100	100	3700	100	
20	ECL Raymond to Buchanan Co Line	7.68	Paved	24	25	37	31	93	93	3250	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	1956 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Buchanan County											
20	Black Hawk Co Line to Beg 35 Ft Sect	.14	Paved	24	25	40	27	92	92	3250	91
20	Beg 35 Ft Sect to End 35 Ft Sect	.16	Paved	35	25	30	30	85	85	3250	83
20	End 35 Ft Sect to Jct Old US 20	.03	Paved	24	25	36	35	96	96	3250	95
20	Jct Old US 20 to Jct Ia 248	7.19	Paved	24	17	34	30	81	81	3300	78
20	Jct Ia 248 to WCL Independence	.78	Paved	24	17	36	34	87	87	3850	85
20	ECL Independence to Jct Ia 282	6.69	Paved	24	12	32	22	66	66	2440	64
20	Jct Ia 282 to Jct Ia 187	5.44	Paved	24	12	29	27	68	68	2235	67
20	Jct Ia 187 to Delaware Co Line	2.47	Paved	24	12	31	27	70	70	2160	69
Delaware County											
20	Buchanan Co Line to WCL Manchester	7.42	Paved	24	11	34	23	68	68	2245	67
20	ECL Manchester to Jct Ia 116	2.01	Paved	24	11	36	26	73	73	2870	71
20	Jct Ia 116 to W Jct Ia 38	3.00	Paved	24	11	32	25	68	68	2530	66
20	W Jct Ia 38 to E Jct Ia 38	.04	Paved	24	11	37	31	79	70	2220	78
20	E Jct Ia 38 to Beg Relocation	3.28	Paved	24	11	34	26	71	71	2080	70
20	Beg Reloc to Dubuque Co Line	6.09	Paved	24	(Programed)			90	90	2120	90
Dubuque County											
20	Delaware Co Line to Int Ia 136	1.03	Paved	24	(Programed)			90	90	2465	90
20	Int Ia 136 to WCL Farley	5.36	Paved	24	(Programed)			90	90	2465	90
20	ECL Farley to End Relocation	15.35	Paved	24	(Programed)			90	90	2465	90
20	End Relocation to WCL Dubuque	1.73	Paved	20	18	24	20	62	62	3385	58
273.73*											
Keokuk County											
21	Jct Ia 92 to SCL of What Cheer	3.75	Paved	22	22	35	26	83	83	945	84
21	NCL of What Cheer to End of Conc Sec	.05	Paved	26	22	37	25	84	84	980	86
21	End of Conc Sec to Jct Ia 22	2.95	Bit S.T.	24	20	36	23	84	84	980	86
21	Jct Ia 22 to Poweshiek Co Line	3.96	Bit S.T.	24	20	33	27	80	80	525	85

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	1956 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Poweshiek County											
21	Keokuk Co L to End Bit Sect	4.61	Bit S.T.	24	22	33	28	83	83	370	89
21	End Bit Sec to SCL Deep River	.07	Paved	24	24	36	34	94	94	140	98
21	NCL Deep River to Sec 34 79 13W	2.50	Gravel	30	12	27	19	58	33	360	32
21	Sec 34 79 13W to SCL Guernsey	3.50	Gravel	30	12	19	19	50	25	360	24
21	NCL Guernsey to Jct Old US 6	6.10	Gravel	30	12	27	14	53	28	400	25
21	Old US 6 to WCL Victor	.84	Paved	24	25	37	33	87	87	2325	87
21	NCL Victor to W Jct US 6	.98	Paved	24	24	35	30	89	89	440	92
Iowa County											
21	W Jct US 6 to E Jct US 6	.60	Paved	24	24	38	32	94	94	2180	94
21	E Jct US 6 to S Jct Ia 212	7.61	Paved	24	(Programmed)			90	94	430	90
21	S Jct Ia 212 to Benton Co Line	1.12	Paved	24	18	32	30	80	80	1320	81
Benton County											
21	Ia Co Line to Begin Conc Paving	.43	Paved	24	18	28	26	72	72	1320	73
21	Begin Conc Paving to SCL Belle Plaine	1.12	Paved	18	11	22	21	54	54	1320	56
21	WCL of Belle Plaine to N Jct of Ia 212	.70	Paved	18	16	19	23	58	58	1690	58
21	N Jct Ia 212 to Int US 30	3.94	Bit Pen	24	11	34	29	74	74	740	77
21	Int US 30 to Ia 171	3.00	Bit Pen	24	8	33	24	65	65	635	71
21	Jct Ia 171 to Jct Ia 318	4.97	Bit Pen	24	8	34	28	70	70	600	76
21	Jct Ia 318 to Begin Mix Bit Section	6.42	Bit Pen	24	11	31	28	70	70	620	76
21	Begin Mix Bit Section to Jct Ia 8	.64	Mixed Bit	24	13	37	32	82	82	910	84
		59.86*									
Keokuk County <i>Open print</i>											
22	Jct Ia 21 WCL Keswick	5.75	Paved	22	22	37	30	89	89	370	93
22	SCL of Keswick to WCL of Webster	3.85	Paved	22	25	35	26	86	86	380	92
22	ECL of Webster to WCL of South English	3.57	Paved	18	15	16	18	49	49	1155	52
22	ECL S English to WCL Kinross	4.06	Paved	22	22	30	27	79	79	765	83
22	ECL Kinross to Washington Co Line	2.23	Paved	22	22	31	28	81	81	630	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	1956 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Washington County											
22	Keokuk Co Line E to Wellman	5.31	Paved	22	20	29	25	74	74	690	79
22	ECL Wellman to WCL Kalona	6.20	Paved	24	20	29	33	82	82	1060	84
22	ECL Kalona to WCL Riverside	6.04	Gravel	28	13	32	28	73	44	495	40
22	ECL Riverside to Int US 218	1.80	Paved	18	13	21	22	56	56	650	63
22	Int US 218 to Johnson Co Line	1.70	Bit S.T.	24	18	32	31	81	81	670	85
Johnson County											
22	Wash Co Line to NCL of Lone Tree	4.62	Bit S.T.	24	12	35	28	75	75	915	78
22	SCL Lone Tree to Muscatine Co Line	3.00	Paved	24	(Programed)			90	90	930	90
22	Johnson Co Line to WCL Nichols	3.22	Paved	24	(Programed)			90	90	930	90
22	ECL Nichols to East Jct Ia 76	2.83	Paved	22	19	32	31	82	82	760	84
22	E Jct Ia 76 to WCL Muscatine	9.90	Bit S.T.	22	16	28	26	70	70	1150	73
22	ECL Muscatine to Jct Ia 389	8.97	Paved	18	13	20	14	47	47	1000	50
22	Jct Ia 389 to Scott Co Line	4.09	Paved	18	13	23	17	53	53	1000	57
Scott County											
22	Muscatine Co Line to WCL Buffalo	3.11	Paved	18	4	22	18	44	44	1000	47
22	ECL Buffalo to SCL Davenport	5.78	Paved	18	5	19	19	43	43	1000	46
86.93*											
Van Buren County											
23	SCL Milton to Mo St Line	4.22	Paved	22	17	36	25	78	78	400	84
4.22*											
Chickasaw County											
24	ECL of New Hampton to WCL of Lawler	7.58	Paved	20	24	28	24	76	76	1135	78
24	ECL of Lawler to Winneshiek Co Line	3.39	Paved	22	24	33	29	86	86	695	89

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	1956 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Winneshiek County											
24	Chickasaw Co Line to WCL of Jackson Jct	.52	Paved	22	25	37	26	88	88	640	91
24	ECL of Jackson Jct to SCL of Ft Atkinson	5.28	Paved	22	25	37	32	92	92	660	93
24	NCL Ft Atkinson to WCL of Calmar	3.77	Paved	20	25	29	22	76	76	820	79
		20.54*									
Ringgold County											
25	Missouri State Line to Beg Asph Conc	2.75	Gravel	32	15	33	25	73	58	85	73
25	Begin Asph Conc to Jct Ia 357	.55	Paved	22	25	37	33	95	95	225	97
25	Jct Ia 357 to S Jct Ia 2	4.13	Paved	22	25	31	31	87	87	310	92
25	S Jct Ia 2 to Begin 20 Ft Sec	1.07	Paved	18	17	22	19	58	58	830	62
25	Begin 20 Ft Sec to N Jct Ia 2	1.10	Paved	20	19	29	22	70	70	830	73
25	N Jct Ia 2 to Union Co Line	13.24	Paved	34	13	34	26	73	46	430	44
Union County											
25	Ringgold Co Line to W Jct US 34	5.48	Gravel	36	13	36	27	76	55	290	56
25	W Jct US 34 to Jct Ia 265	.97	Paved	24	22	32	24	78	78	1780	78
25	Jct Ia 265 to SCL Creston	5.87	Paved	24	20	33	26	79	79	2215	79
25	NCL of Creston to End Conc Sec	.03	Paved	20	19	16	16	51	51	1240	54
25	End Conc Sec to Adair Co Line	7.90	Bit Pen	24	17	32	26	75	75	910	78
Adair County											
25	Union Co Line to Begin Section	2.76	Bit Pen	24	17	34	26	77	77	1090	79
25	Begin Paved Sec to SCL of Orient	.12	Paved	18	18	19	22	59	59	1090	62
25	WCL Orient to End Paved Section	.25	Paved	18	18	24	23	65	65	770	70
25	End of Paved Sec to SCL of Greenfield	7.87	Bit Pen	24	18	35	27	80	80	795	83
25	NCL Greenfield to Guthrie Co Line	12.95	Paved	22	25	32	28	85	85	490	89

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	1956 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Guthrie County											
25	Adair Co Line to E Jct US 6	1.00	Paved	22	25	32	29	86	86	470	90
25	E Jct US 6 to W Jct US 6	1.96	Paved	18	13	19	17	49	49	2220	47
25	W Jct US 6 to Begin Bit Sec	.44	Paved	24	25	36	28	89	89	550	92
25	Begin Bit Sec to SCL of Guthrie Center	10.44	Paved	24	24	33	28	85	85	620	80
25	NCL Guthrie Center to Jct Ia 384	6.79	Paved	24	(Programed)			90	90	450	90
25	Jct Ia 384 to E Jct Ia 141	4.79	Paved	24	(Programed)			90	90	400	90
25	E Jct Ia 141 to W Jct Ia 141	2.92	Paved	22	25	37	29	91	91	910	92
25	W Jct Ia 141 to Jct Ia 361	.24	Paved	22	17	35	26	78	78	730	82
25	Jct Ia 361 to Greene Co Line	.76	Bit S.T.	22	14	34	31	78	78	730	82
Greene County											
25	Guthrie Co Line to Beg 18 Ft Conc	1.00	Mixed Bit	22	13	32	29	74	74	700	79
25	Beg 18 Ft Conc to SCL Scranton	9.25	Paved	18	20	19	21	60	60	700	66
		106.63*									
Lyon County											
26	Jct US 18 to SCL of Inwood	.11	Paved	22	24	33	31	88	88	745	90
26	NCL Inwood to Jct Ia 9	8.40	Paved	22	22	34	30	86	86	450	90
		8.51*									
Lyon County											
27	ECL Alvord to Jct US 75	6.55	Paved	22	22	33	25	80	80	165	90
		6.55*									
Warren County											
28	NCL Martensdale to SCL Norwalk	7.28	Paved	24	22	31	28	81	81	2135	80
28	NCL Norwalk to Polk Co Line	2.05	Paved	24	22	34	29	85	85	2820	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	1956 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Warren County											
28	NCL Martensdale to SCL Norwalk	7.28	Paved	24	22	31	28	81	81	2135	80
28	NCL Norwalk to Polk Co Line	2.05	Paved	24	22	34	29	85	85	2820	83
Polk County											
28	Warren Co Line to Sec 31 78 24W	1.12	Paved	24	20	30	26	76	76	2880	74
28	NW Cor Sec 31 78 24W to Jct Ia 123	1.30	Paved	48	25	38	35	98	98	3830	97
28	Jct Ia 123 to Begin 45 Ft Sec	2.42	Paved	20	20	19	18	57	57	5810	49
28	Begin 45 Ft Sec to Jct US 65 US 69	.08	Paved	45	25	40	26	91	91	4570	89
		14.25*									
Harrison County											
30	Missouri River Bridge to Jct Ia 300	4.93	Paved	20	17	26	25	68	68	2100	67
30	Jct Ia 300 to WCL Missouri Valley	4.26	Paved	18	14	22	20	56	56	2250	55
30	ECL Missouri Valley to SCL Logan	6.79	Paved	24	(Programed)			85	85	3510	81
30	ECL Logan to Jct Ia 39	3.58	Paved	24	(Programed)			88	88	3695	85
30	Jct Ia 39 to SCL Woodbine	4.44	Paved	24	(Programed)			82	82	3140	80
30	NCL Woodbine to SCL Dunlap	8.45	Paved	24	25	35	34	94	94	2600	93
30	NCL Dunlap to Crawford Co Line	.29	Paved	24	(Programed)			86	86	2590	84
Crawford County											
30	Harrison Co Line to WCL of Dow City	7.03	Paved	24	(Programed)			80	80	2575	78
30	NCL Dow City to WCL Arion	1.23	Paved	24	(Programed)			90	90	2770	90
30	ECL Arion to Beg 24 Ft Sect	3.61	Paved	24	(Programed)			90	90	2835	90
30	Beg 24 Ft Sect to WCL Denison	1.82	Paved	24	15	33	29	77	77	2835	74
30	ECL Denison to WCL Vail	7.28	Paved	24	19	34	29	82	82	2960	80
30	ECL Vail to WCL Westside	4.55	Paved	24	19	37	27	83	83	2800	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	1956 Traffic	Adjusted Sufficiency Rating
					Structural Adequacy	Safety	Service	Total Basic			
Carroll County											
30	Crawford County Line to Jct Ia 285	2.63	Paved	24	23	33	26	82	82	2590	81
30	Jct Ia 285 to NCL Carroll	8.25	Paved	24	23	32	25	80	80	3000	78
30	ECL Carroll to End Widened Sect	.07	Paved	24	25	40	34	99	99	4170	99
30	End of Conc Sect to Jct Ia 286	6.39	Paved	24	25	38	31	94	94	3855	93
30	Jct Ia 286 to End Asph Conc Sect	3.76	Paved	24	25	34	31	90	90	3245	89
30	End Asph Conc Sect to Greene Co Line	1.52	Paved	24	25	40	33	95	95	3025	94
Greene County											
30	Carroll Co Line to Ralston	.39	Paved	24	25	40	35	100	100	2930	100
30	ECL Ralston to Jct Ia 25	3.05	Paved	24	25	40	33	98	98	2930	98
30	Jct Ia 25 to WCL Jefferson	7.93	Paved	24	25	40	33	98	98	3300	98
30	ECL Jefferson to WCL Grand Jct	6.37	Paved	24	25	40	34	99	99	3670	99
30	ECL Grand Jct to Beg Reinf Conc Sect	1.46	Paved	24	25	39	33	97	97	2765	97
30	Beg Reinf Conc Sect to Boone Co Line	1.89	Paved	24	25	38	31	94	94	2750	92
Boone County											
30	Greene Co Line to W Jct US 169	3.19	Paved	24	23	36	34	89	89	2745	88
30	W Jct US 169 to E Jct US 169	2.93	Paved	24	23	39	33	95	95	3965	94
30	E Jct US 169 to WCL of Ogden	.53	Paved	18	16	15	14	45	45	3055	41
30	ECL of Ogden to Begin Asph Conc Sec	.63	Paved	18	16	19	20	55	55	2750	52
30	Begin Asph Conc Sec to WCL of Boone	5.19	Paved	18	17	21	19	57	57	4010	51
30	ECL of Boone to W Jct Ia 60	2.45	Paved	18	19	21	16	56	56	5490	48
30	W Jct Ia 60 to E Jct Ia 60	1.10	Paved	18	19	21	19	59	59	4390	53
30	E Jct Ia 60 to Beg 24 Asph Con Sect	2.04	Paved	18	19	20	22	61	61	4060	55
30	Beg Asph Conc Sect to Story Co Line	4.44	Paved	24	23	36	31	90	90	4600	88

CODE SHEET FOR SUFFICIENCY RATING CARD NO. 2 - RURAL IOWA PRIMARY SYSTEM

County		Primary Rt. No.	Sequence on Primary			Card No. 2	Section Length	Surface Type	Topography	Surface Width	Roadway Width	District	Structural Adequacy				Safety				Service			Total Basic Sufficiency Rating	Adjustment for Gravel	Sufficiency Rating after Gravel Adjustment		A.D.T.			Shoulder Width	Traffic Adjustment Sufficiency Rating	
1	2		No.	Co.	No. in Co.								2	2	2	2	2	2	2	2	2	2	2			2	2	2	2	2			2
08	08	030				2	0173	00MC		1830	1552	222	1600	000	089	171	240	042	200	5300	00	0530	3800									48	
08	08	030				2	0409	ASMC		1836	1742	222	1700	030	082	220	072	004	130	5000	00	0500	4050									44	
85	85	030				2	0175	00MC		1838	1562	321	1800	040	099	221	250	021	90	5900	00	0590	4040									54	
85	85	030				2	0147	00MC		1838	1562	321	1800	040	069	190	510	020	80	4500	00	0450	3450									40	
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Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating			Total Basic	Basic Rating Adj. for Gravel Surface	1956
				Structural Adequacy	Safety	Service			
Story County									
Marshall Co Line to S E Cor 5 85 25	.81	Paved	24	23	33	29	85	85	49
S E Cor 5 85 25W to Urban Area Line	.24	Paved	24	(Programed)			80	80	49
Urban Area Line to WCL Ames	.49	Paved	24	(Programed)			80	80	49
WCL of Ames to End 48 Ft Section	.42	Paved	48	25	31	35	91	91	58
End 48 Ft Sec to Urban Area Line	.08	Paved	24	25	33	31	89	89	58
Urban Area Line to End 24 Ft Conc	1.57	Paved	24	25	33	30	83	88	56
End 24 Ft Conc Sec to Beg 24 Ft Asph Co	1.59	Paved	24	23	34	28	85	85	55
Beg 24 Ft Asph Conc to WCL of Nevada	3.44	Paved	24	23	27	28	78	78	56
WCL of Nevada to End 18 Ft Conc Sect	3.22	Paved	18	18	18	12	48	48	37
End 18 Ft Conc Sect to Sec 8 83 21W	2.31	Paved	18	18	22	21	61	61	35
Sec 8 83 21W to Int US 65	1.00	Paved	18	18	20	18	56	56	37
Int US 65 to Marshall Co Line	4.01	Paved	18	18	20	21	59	59	38
Marshall County									
Marshall Co Line to Sec 9 83 20W	1.93	Paved	18	16	18	22	56	56	38
Sec 9 83 20W to WCL of State Center	1.43	Paved	18	16	14	10	40	40	39
WCL of State Center to W $\frac{1}{4}$ Cor Sec 12 83 20	.99	Paved	18	18	21	24	63	63	39
W $\frac{1}{4}$ Cor Sec 12 83 20 to Beg 22 Ft Sec	5.35	Paved	18	16	20	18	54	54	38
Beg 22 Ft Sec to Int Ia 64 Ia 330	.83	Paved	22	19	29	25	73	73	37
Int Ia 64 Ia 330 to Urban Area Line	4.52	Paved	22	20	27	27	74	74	47
Urban Area Line to Int Ia 14	1.00	Paved	22	20	28	27	75	75	48
Int Ia 14 to Urban Area Line	.49	Paved	22	24	32	30	86	86	48
Urban Area Line to End of 22 Ft Sec	3.07	Paved	22	24	32	28	84	84	46
End of 22 Ft Sec to Jct Iowa 146	2.91	Paved	24	25	40	33	98	98	48
Tama County									
Marshall Co Line to Jct Ia 135	3.53	Paved	24	25	36	30	91	91	53
Jct Ia 135 to WCL of Toledo	5.57	Paved	24	25	36	30	91	91	53
WCL of Toledo to Jct Old US 30	.24	Paved	24	25	40	35	100	100	47

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating			Total Basic	Basic Rating Adj. for Gravel Surface	1956 Traffic
				Structural Adequacy	Safety	Service			
Tama County Continued									
US 30 to Jct Ia 212	5.11	Paved	24	24	33	31	88	88	4930
212 to Benton Co Line	8.31	Paved	24	25	38	31	94	94	3580
Benton County									
Co Line to Jct Ia 131	2.92	Paved	24	17	32	29	78	78	3490
131 to Jct Ia 200	2.01	Paved	24	22	40	33	95	95	3970
200 to Jct Ia 82	5.99	Paved	24	20	38	32	90	90	4000
82 to W Jct US 218	2.99	Paved	24	22	37	30	89	89	4440
US 218 to Jct Ia 280	3.00	Paved	24	22	29	27	78	78	6030
280 to Jct Ia 201	2.00	Paved	24	22	27	25	74	74	6300
201 to Jct Ia 279	3.98	Paved	24	22	26	25	73	73	6340
279 to Linn Co Line	1.02	Paved	24	22	24	22	68	68	6690
Linn County									
Co Line to In Sec 35 83 8W	4.51	Paved	24	16	22	23	61	61	6780
83 8W to Jct Ia 149	1.91	Paved	24	(Programmed)			63	63	6725
149 to WCL Cedar Rapids	.13	Paved	24	25	21	22	68	68	6820
Cedar Rapids to Jct US 218 & 150	.90	Paved	48	20	36	31	87	87	6530
to Bowling Street	1.01	Paved	24	19	33	31	83	83	5600
St to Urban Area Line	1.99	Paved	24	19	38	32	89	89	4505
Area Line to Jct Ia 261	10.25	Paved	24	19	37	32	88	88	4250
261 to Jct Ia 94	.68	Paved	24	19	38	31	88	88	3750
94 to WCL of Lisbon	.25	Paved	24	19	32	27	78	78	4050
Lisbon to Cedar Co Line	.82	Paved	24	19	40	29	88	88	4280



Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating			Total Basic	Basic Rating for Adj. Gravel Surface	1956 Traffic
				Structural Adequacy	Safety	Service			
Woodbury County									
Northland to SCL Oto	3.90	Paved	22	22	33	28	83	83	600
Oto to WCL of Anton	7.65	Gravel	36	20	35	26	81	60	300
Anton to Int US 20	6.58	Paved	22	24	36	31	91	91	470
20 to Ida Co Line	4.09	Paved	24	23	39	31	93	93	275
Ida County									
Ida County Line to Cherokee Co Line	2.82	Paved	24	18	33	30	81	81	275
Cherokee County									
Line to SCL of Washta	.52	Paved	24	18	40	32	90	90	275
Washta to SCL of Quimby	5.02	Paved	24	18	40	31	89	89	430
Quimby to Jct US 59	4.24	Paved	24	18	37	27	82	82	775
	34.82*								
Dickinson County									
71 to SCL Okoboji	1.40	Bit Pen	24	15	37	26	78	78	1395
Okoboji to SCL of Wahpeton	2.05	Bit Pen	24	15	37	27	79	79	1500
Wahpeton to Jct Ia 9	4.08	Bit Pen	24	15	37	29	81	81	1350
	7.53*								
Plymouth County									
75 to Beg New Widen Sect	6.20	Paved	24	21	33	31	85	85	1915
Widen Sect to Sioux Co Line	4.58	Paved	24	19	36	31	86	86	1920
Sioux County									
Sioux Co Line to SCL of Alton	5.64	Paved	24	19	35	30	84	84	2185
Ia 10 to E Jct Ia 10	.32	Paved	20	23	19	20	62	62	2870
Ia 10 to SCL of Hospers	7.31	Paved	20	23	27	23	73	73	2420
Hospers to O'Brien Co Line	6.87	Paved	20	23	26	24	73	73	2300

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating			Total Basic	Basic Rating Adj. for Gravel Surface	1956
				Structural Adequacy	Safety	Service			
O'Brien County									
f Sheldon to Osceola Co Line	5.09	Paved	24	(Programed)			90	90	232
Osceola County									
en Co Line to SCL of Ashton	3.23	Paved	24	(Programed)			90	90	232
shnton to SCL Sibley	5.76	Paved	24	(Programed)			89	89	230
ibley to Begin 22 Sec	2.09	Paved	24	21	36	32	89	89	209
22 Ft Sect to Int Ia 9	.16	Paved	22	21	31	31	83	83	209
a 9 to Minnesota State Line	5.07	Paved	22	22	34	29	85	85	150
	50.32*								
Mills County									
uri R Toll Br to Jct Ia 385	5.80	Paved	20	19	30	25	74	74	88
a 385 to SCL of Glenwood	1.55	Paved	20	19	29	20	68	68	161
f Glenwood to Sec 12 72 43W	.20	Paved	18	20	2	3	25	25	381
2 72 43W to E Jct US 275	3.76	Paved	18	18	15	9	42	42	381
US 275 to Jct Ia 242	1.54	Paved	18	13	17	14	44	44	252
a 242 to Jct Ia 41	3.01	Paved	18	13	13	10	36	36	256
a 41 to Begin 22 Ft Section	3.77	Paved	18	13	14	18	45	45	263
22 Ft Sec to End 22 Ft Sec	.37	Paved	22	20	32	31	83	83	257
2 Ft Sec to Begin 22 Ft Sec	.24	Paved	18	17	21	22	60	60	257
22 Ft Sec to Jct Ia 166	.39	Paved	22	20	33	31	84	84	257
a 166 to WCL of Emerson	5.26	Paved	18	17	16	13	46	46	245
f Emerson to Montgomery Co Line	.72	Paved	18	18	15	16	49	49	249
Montgomery County									
Co Line to WCL of Red Oak	7.74	Paved	18	14	11	17	42	42	263
f Red Oak to Jct Ia 120	6.00	Paved	18	16	8	12	34	34	266
a 120 to N Jct US 71	5.75	Paved	18	16	10	17	43	43	219
US 71 to S Jct US 71	.31	Paved	18	16	19	8	43	43	271
US 71 to Adams Co Line	3.96	Paved	18	8	14	9	31	31	141

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating			Basic Rating Adj. for Gravel Surface	1953 Traffic
				Structural Adequacy	Safety	Service		
Adams County								
ery Co L to Jct Ia 155	1.68	Paved	18	12	18	16	46	1440
155 to WCL of Corning	8.36	Paved	18	12	13	14	39	1610
Corning to Jct Ia 186	6.75	Paved	18	17	20	18	55	1605
186 to Jct Ia 49	2.03	Paved	24	18	33	26	77	1540
49 to Union Co L W Jct Ia 25	4.89	Paved	24	18	29	27	74	1620
Union County								
t Ia 25 to Jct Ia 265	.97	Paved	24	22	32	24	78	1780
265 to SCL of Creston	5.37	Paved	24	20	33	26	79	2215
ston to WCL Afton	8.11	Paved	24	(Programed)			83	2730
Afton to E Jct US 169	5.50	Paved	18	18	13	18	49	2170
S 169 to WCL Thayer	1.51	Paved	18	18	15	11	44	1760
Thayer to Clarke Co Line	1.79	Paved	18	18	11	14	43	1420
Clarke County								
o Line to Jct Ia 152	3.67	Paved	18	18	17	14	49	1405
152 to 28 Mi W of WCL Osceola	8.62	Paved	18	18	16	16	50	1660
WCL Osceola to WCL Osceola	.28	Paved	24	25	32	29	86	1770
Osceola to Jct Ia 104	8.62	Paved	18	18	15	9	42	1305
104 to Lucas Co Line	1.77	Paved	18	18	17	16	51	1220
Lucas County								
Co Line to WCL of Lucas	4.52	Paved	18	11	18	12	41	1255
as to Begin New Pavement	.51	Paved	24	15	40	34	89	2305
ew Pave to End New Pave	1.31	Paved	24	15	40	34	90	2305
Pave to WCL Chariton	5.33	Paved	24	15	32	27	74	2305
riton to Beg New 24 Ft Sect	.92	Paved	18	13	19	17	49	2000
24 Ft Sect to Beg 34 Ft Sect	1.45	Paved	24	25	40	34	99	1865
Ft Sect to End 34 Ft Sect	.60	Paved	34	25	27	27	79	1865



Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating			Total Basic	Basic Rating Adj. for Gravel Surface	1953 Traffic
				Structural Adequacy	Safety	Service			
Lucas County Continued									
Ft Sect to End New 24 Ft Sect	1.11	Paved	24	25	36	30	91	91	1865
W 24 Ft Sect to Jct Ia 97	1.30	Paved	24	20	37	35	92	92	1865
97 to Monroe Co Line	5.00	Paved	24	20	36	31	87	87	1375
Monroe County									
Co Line to Jct Ia 68	2.29	Paved	24	18	34	24	76	76	1340
68 to WCL of Albia	13.95	Paved	18	13	14	9	36	36	1335
Albia to Wapello Co Line	7.96	Paved	24	(Programed)			90	90	1830
Wapello County									
Co L to WCL Ottumwa	10.00	Paved	24	(Programed)			90	90	2825
Ottumwa to End Divided Sect	.81	Paved	48	23	40	35	98	98	4600
W Divided Sect to WCL Agency	2.49	Paved	48	(Programed)			90	90	4600
Agency to Jct Ia 16	3.30	Paved	24	23	38	32	93	93	3070
16 to Jefferson Co Line	3.03	Paved	24	23	39	32	94	94	2430
Jefferson County									
Co Line to WCL Batavia	.32	Paved	24	24	40	27	91	91	2430
Batavia to Jct Ia 303	6.54	Paved	24	24	39	32	95	95	2600
303 Ia Urban Area Line	2.51	Paved	24	24	39	32	95	95	2610
Area Line to WCL Fairfield	1.01	Paved	48	24	39	32	95	95	3430
Fairfield to Urban Area Line	.61	Paved	24	24	36	34	94	94	2190
Area Line to End 24 Ft Sect	.17	Paved	24	24	40	31	95	95	2190
Ft Sect to Beg 24 Ft Sect	6.89	Paved	18	12	18	15	45	45	2105
Ft Sect to Beg 34 Ft Sect	1.80	Paved	24	25	38	32	95	95	2105
Ft Sect to End 34 Ft Sect	.70	Paved	34	25	40	35	100	100	2105
Ft Sect to Henry Co Line	1.65	Paved	24	25	39	33	97	97	2105

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956 Total
				Structural Adequacy	Safety	Service	Total Basic		
Henry County									
son Co Line to Beg Old 24 Ft Sect	7.35	Paved	24	25	37	33	95	95	2372
d 24 Ft Sect to Beg 44 Ft PCC Sec	.79	Paved	24	24	40	35	99	99	2372
. Ft PCC to WCL Mt Pleasant	.12	Paved	44	24	40	35	99	99	2372
. Pleasant to WCL New London	6.95	Paved	24	24	39	29	92	92	3160
w London to Des Moines Co Line	1.41	Paved	24	24	40	35	99	99	3110
Des Moines County									
Co Line to Begin Asph Conc Sec	.39	Paved	24	24	40	35	99	99	3320
Asph Conc Sec to WCL of Danville	3.47	Paved	24	24	40	35	99	99	3320
Danville to End 44 Ft Conc Sec	.02	Paved	24	24	40	35	99	99	3260
. Ft Conc Sec to End 36 Ft Conc Sec	.04	Paved	36	24	36	34	94	94	3260
Ft Conc Sec to WCL of Middleton	3.35	Paved	24	24	40	34	98	98	3260
Middleton to Jct Ia 80	2.47	Paved	40	21	40	34	95	95	4540
Ia 80 to Urban Area Line	1.43	Paved	40	21	40	34	95	95	3930
Area Line to WCL of W Burlington	.53	Paved	40	24	40	34	98	98	3930
W Burlington to WCL of Burlington	.76	Paved	44	22	40	35	97	97	7510
	238.05*								
Sac County									
Wall Lake to Jct US 71	2.74	Paved	18	23	20	19	62	62	605
	2.74*								
Monona County									
Onawa to WCL of Turin	4.74	Paved	20	22	26	26	74	74	920
rin to Jct Ia 175	.39	Paved	22	18	26	32	76	76	840
Ia 175 to WCL of Soldier	9.83	Bit	22	19	30	26	75	75	670
ldier to Crawford Co Line	8.58	Paved	22	(Programed)			90	90	280

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road Systems

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956 Traffic
				Structural Adequacy	Safety	Service	Total Basic		
Crawford County									
Co Line to Harrison Co Line	3.94	Gravel	42	21	40	32	93	72	260
Harrison County									
Co Line to NCL Dunlap	.38	Gravel	32	9	32	33	74	53	260
Lap to Shelby Co Line	2.66	Gravel	40	11	37	29	77	56	260
Shelby County									
Co Line to Jct Ia 191	9.70	Gravel	35	12	36	25	73	56	170
191 to WCL of Earling	.07	Paved	22	25	39	35	99	99	510
Earling to Jct US 59	4.62	Bit Pen	24	12	28	27	67	67	450
	44.91*								
Muscatine County									
atine to N Jct US 61	.67	Paved	40	24	38	35	97	97	2480
61 to End 40 Ft Sect	.10	Paved	40	13	39	35	87	87	1625
40 Ft Sect to Begin 18 Ft Sect	.13	Paved	24	13	40	35	88	88	1625
18 Ft Sect to S Jct US 6	7.88	Paved	18	13	17	21	51	51	1625
US 6 to N Jct US 6	1.23	Paved	24	18	28	20	66	66	3740
US 6 to Cedar Co Line	.68	Paved	24	(Programed)			90	90	3060
Cedar County									
Co Line to Jct Ia 1	8.80	Paved	22	(Programed)			90	90	310
to Tipton	7.85	Paved	22	24	37	31	92	92	445
on to E Jct US 30	7.66	Paved	18	10	19	15	44	44	2275
30 to Beg Conc Sect	.96	Paved	24	17	40	33	90	90	3270
Sect to W Jct US 30	.06	Paved	24	17	40	33	90	90	3270
wood to Jones County Line	3.27	Paved	22	22	32	28	82	82	675



Sufficiency Rating by Routes of the  
Iowa Rural Primary Road Systems

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956 Traffic
				Structural Adequacy	Safety	Service	Total Basic		
Wallerston to Jct Ia 2	Wayne County 2.91 2.91*	Bit Pen	26	11	32	28	71	71	715
Malvern to Jct US 34	Mills County 1.45 1.45*	Paved	18	17	23	20	60	60	1090
275 to WCL of Riverton	Fremont County 4.19 4.19*	Mixed Bit	22	10	25	27	62	62	690
Kingstead to Jct Ia 44	Emmet County .89 .89*	Bit S.T.	24	18	36	30	84	84	770
to WCL of Rolfe to NW Cor Sec 15 93 31W 5 93 31W to Humboldt Co L	Pocahontas County 5.51	Paved	20	22	32	28	82	82	540
	4.56	Paved	22	21	37	24	82	82	300
	4.37	Paved	22	(Programed)			90	90	215
as Co Line to Jct Ia 222 222 to Kossuth Co Line	Humboldt County .43	Paved	22	(Programed)			90	90	155
	1.24	Paved	22	(Programed)			90	90	300
Co Line to SCL West Bend Bend to Beg 20 Ft Conc Sect t Conc Sect to Jct Ia 358 58 to STL Whittemore	Kossuth County 3.00	Paved	22	(Programed)			90	90	400
	.50	Bit S.T.	22	12	36	31	79	79	815
	6.36	Paved	20	23	27	26	76	76	1010
	1.39	Bit S.T.	22	15	39	28	82	82	450

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj for Gravel Surface	1956 Traffic
				Structural Adequacy	Safety	Service	Total Basic		
Kossuth County Continued									
Wittmore to Int US 18	1.18	Mixed Bit	24	15	36	29	80	80	905
18 to Beg 24 Ft Mix Bit	10.56	Bit Pen	24	18	32	28	78	78	640
Ft Mix Bit to Emmet Co Line	5.96	Bit S.T.	24	18	33	28	79	79	405
Emmet County									
h Co Line to Jct Ia 043	1.87	Bit S.T.	24	18	37	30	85	85	605
043 to SCL of Armstrong	6.37	Bit S.T.	24	18	37	30	85	85	800
Armstrong to Minnesota State Line	8.29	Bit S.T.	22	18	32	28	78	78	910
	61.59*								
Crawford County									
Manilla to Jct Ia 141	1.10	Paved	20	20	26	26	72	72	925
	1.10*								
Polk County									
60 to Begin 20 Ft Conc Sec	.12	Paved	24	7	40	35	82	82	1995
Ft Sect to SCL Pleasant Hills	1.63	Paved	20	7	22	21	50	50	1995
	1.75*								
Butler County									
14 to WCL of Allison	.02	Mixed Bit	22	7	37	31	75	75	470
	.02*								
Page County									
enandoah to SCL Essex	4.65	Paved	18	19	13	20	52	52	1440
sex to Montgomery Co Line	7.75	Paved	18	19	16	15	50	50	875



Sufficiency Rating by Roads of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956 Traffic
				Structural Adequacy	Safety	Service	Total Basic		
Jackson County									
Ia to Jct Ia 64 & 67	.23	Paved	20	20	19	18	57	57	1210
4 to Begin New Sect	10.47	Paved	22	17	30	22	69	69	745
Sect to End New Sect	1.94	Paved	22	16	35	31	79	79	745
Sect to Begin Conc Sect	6.49	Paved	22	15	28	29	72	72	810
Sect to NCL Bellevue	.02	Paved	24	15	17	27	59	59	810
Bellevue to Dubuque Co Line	11.64	Paved	20	20	21	20	61	61	980
Dubuque County									
Co Line to S Jct US 61	8.36	Paved	20	20	25	22	67	67	1195
61 and 151 to SCL Dubuque	.89	Paved	48	25	40	35	100	100	6665
Dubuque to S Jct Ia 386	1.01	Paved	20	10	19	21	50	50	5360
386 to N Jct Ia 386	1.58	Paved	20	10	25	18	53	53	3750
386 to Begin 22 FT Sec	.22	Paved	20	10	28	17	55	55	3000
22 Ft Sec to End 22 Ft Sec	.45	Paved	22	18	34	16	68	68	3000
22 Ft Sec to ECL of Durango	2.96	Paved	20	13	22	16	51	51	1905
Durango to End 20 Ft Sec	1.96	Paved	20	13	15	16	44	44	1710
20 Ft Sec to ECL of Luxemburg	14.69	Paved	18	13	13	2	28	28	1800
Luxemburg to Clayton Co Line	2.74	Paved	18	13	15	16	44	44	1290
Clayton County									
Co Line to SCL Guttenburg	9.34	Paved	18	13	14	14	41	41	1375
Guttenburg to SCL Garnavillo	8.02	Paved	18	13	17	13	43	43	1530
Garnavillo to Jct Ia 128	.68	Paved	18	13	14	14	41	41	1730
128 to S Jct Ia 13	8.43	Paved	18	13	17	15	45	45	1095
13 to N Jct Ia 13	.25	Paved	18	13	14	14	41	41	1620
13 to Jct US 18	.67	Paved	18	13	14	14	41	41	880
18 to SCL Monona	5.30	Paved	18	9	17	12	38	38	1565
Monona to ECL Luana	2.40	Paved	18	9	21	17	47	47	2000
Luana to Beg 44 Ft Sec	5.42	Paved	18	9	19	13	41	41	2115
44 Ft Sec to Allamakee Co Line	.05	Paved	44	25	36	35	96	96	2115



Sufficiency Rating by Roads of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating			Total Basic	Basic Rating Adj. for Gravel Surface	1956 Miles
				Structural Adequacy	Safety	Service			
Allamakee County									
Steville to W Jct US 18	.43	Paved	18	20	20	11	51	51	2420
US 18 to Winneshiek Co Line	1.38	Paved	18	21	18	15	54	54	1670
Winneshiek County									
Winneshiek Co Line to ECL of Castalia	3.45	Paved	18	16	18	6	40	40	1610
Castalia to ECL of Ossian	4.12	Paved	18	16	16	12	44	44	1480
Ossian to ECL of Calmar	5.81	Paved	18	16	16	10	42	42	1530
Calmar to Jct 325	1.06	Paved	18	13	19	15	47	47	2120
325 to S Jct Ia 9	7.83	Paved	18	13	15	8	36	36	2050
Ia 9 to WCL of Decorah	.07	Paved	18	13	21	21	55	55	3210
Decorah to Minn St Line	14.44	Paved	18	16	14	8	38	38	1680
	144.08*								
Webster County									
175 to SCL Gowrie	.01	Paved	24	19	40	32	91	91	840
	.01*								
Floyd County									
Apple Rock to Jct Ia 14	2.49	Paved	22	25	36	31	92	92	385
	2.49*								
Wayne County									
Wormour to Jct Ia 2	3.80	Paved	24	(Programed)			90	90	665
	3.80*								
Fayette County									
St Union to Jct Ia 296	10.97	Paved	22	25	34	28	87	87	420
296 to Clayton Co Line	.85	Paved	22	25	35	29	89	89	300

Sufficiency Rating by Roads of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956
				Structural Adequacy	Safety	Service	Total Basic		
Clayton County									
Blackhawk Co Line to Begin Conc Sect	10.17	Paved	22	20	35	26	81	81	44
Conc Section to WCL Elkader	.40	Paved	18	9	15	18	42	42	80
	22.39*								
Hardin County									
US 65 to Jct Ia 299	5.33	Paved	18	18	17	16	51	51	134
Ia 299 to WCL of Eldora	2.49	Paved	18	18	13	16	47	47	188
Eldora to Grundy Co Line	4.25	Paved	18	18	14	16	48	48	139
Grundy County									
Blackhawk Co Line to Jct Ia 214	3.96	Paved	18	17	19	18	54	54	129
Ia 214 to S Jct Ia 14	1.58	Paved	18	17	16	19	52	52	126
Ia 14 to WCL Grundy Center	6.17	Paved	24	18	33	24	75	75	175
Grundy Center to N Jct Ia 14	6.73	Paved	24	18	35	28	81	81	175
Ia 14 Blackhawk Co Line	11.75	Paved	24	18	35	29	82	82	135
Black Hawk County									
Blackhawk Co Line to Urban Area Line	4.30	Paved	24	19	34	26	79	79	151
Urban Area Line to Int Ia 58	.60	Paved	24	19	37	31	87	87	151
Int Ia 58 to SCL of Cedar Falls	.58	Paved	20	15	23	22	60	60	95
Cedar Falls to Jct US 20	1.16	Paved	20	19	26	22	67	67	98
	48.95*								
Grundy County									
Grundy Center to WCL of Morrison	4.70	Paved	18	16	20	19	55	55	140
Morrison to WCL of Reinbeck	3.42	Paved	18	16	17	20	53	53	113
Reinbeck to Blackhawk Co Line	2.89	Paved	18	16	18	18	52	52	164

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating			Total Basic	Basic Rating Adj. for Gravel Surface	1956 Traffic
				Structural Adequacy	Safety	Service			
Black Hawk County									
Line to S Jct US 63	4.31	Paved	18	18	20	19	57	57	1065
63 to N Jct US 63	4.88	Paved	18	13	18	17	48	48	2425
US 63 to SCL of Hudson	.14	Paved	20	18	20	28	66	66	690
Hudson to Urban Area Line	6.59	Paved	20	24	26	25	75	75	985
Urban Area Line to Int Ia 57	.58	Paved	20	24	27	26	77	77	1140
to WCL Cedar Falls	.26	Paved	24	19	37	31	87	87	1990
	27.77*								
Fremont County									
Line to Int Ia 333	1.17	Paved	24	(Programed)			90	90	540
333 to Page Co Line	9.44	Paved	24	(Programed)			90	90	740
Page County									
Co L to S Jct Ia 2	1.53	Paved	24	(Programed)			90	90	1350
2 to N Jct Ia 2	.60	Paved	24	(Programed)			90	90	3450
2 to Jct Ia 184	7.30	Paved	24	(Programed)			90	90	1080
4 to Fremont Co Line	.95	Paved	22	25	29	28	82	82	520
Fremont County									
Line to Mills Co Line	1.36	Paved	22	25	39	33	97	97	520
Mills County									
Co Line to SCL of Emerson	8.03	Paved	22	25	36	32	93	93	525
Emerson to Begin 22 Ft Sec	.12	Paved	24	25	39	27	91	91	665
22 Ft Sec to Jct Ia 244	9.86	Paved	22	25	37	30	92	92	495
244 to Pottawattamie Co Line	.97	Paved	24	25	36	30	91	91	450

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating			Total Basic	Basic Rating Adj. for Gravel Surface	1956 Traffic
				Structural Adequacy	Safety	Service			
Pottawattamie County									
to Jct Ia 362	2.24	Paved	24	25	32	31	88	88	480
362 to Jct Ia 92	2.97	Paved	24	25	34	30	89	89	485
92 to S Jct US 6	4.13	Paved	24	25	34	30	89	89	495
US 6 to SCL Oakland	.57	Paved	18	15	13	18	46	46	3700
land to SCL Hancock	4.94	Paved	22	25	34	32	91	91	675
cock to SCL Avoca	6.38	Paved	22	25	35	28	88	88	920
oca to Shelby Co Line	1.26	Paved	18	19	14	15	48	48	1540
Shelby County									
Line to N Jct Ia 64 SE Curve	9.61	Paved	18	19	18	17	54	54	1395
64 SE Curve to SCL Harlan	.19	Paved	24	25	33	35	93	93	1190
Harlan to Jct Ia 37	7.60	Paved	18	16	11	16	43	43	1585
37 to Jct Ia 268	1.00	Paved	18	18	19	22	59	59	1130
268 to SCL of Defiance	2.20	Paved	18	18	16	18	52	52	1140
Defiance to Crawford Co Line	2.54	Paved	18	19	18	18	55	55	1225
Crawford County									
Co Line to S Jct Ia 141	3.12	Paved	18	20	17	17	54	54	930
141 to SCL Denison	6.80	Paved	24	(Programed)			74	74	1380
Denison to N Jct Ia 141	1.51	Paved	24	19	31	26	76	76	2310
141 to Ida Co Line	12.88	Paved	22	21	34	26	81	81	980
Ida County									
d Co Line to E Jct Ia 175	8.37	Paved	20	25	28	24	77	77	795
175 to ECL of Ida Grove	1.43	Paved	20	25	29	26	80	80	2000
Ida Grove to W Jct Ia 175	.98	Paved	20	25	26	22	73	73	2380
175 to E Jct US 20	9.15	Paved	20	20	22	22	64	64	1280
S 20 to W Jct US 20	1.16	Paved	24	20	35	29	84	84	2165
S 20 to SGL of Holstein	.65	Paved	18	20	16	16	52	52	1520
Holstein to Cherokee Co Line	4.51	Paved	20	23	24	20	67	67	1225

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating			Total Basic	Basic Rating Adj. for Gravel Surface	1956
				Structural Adequacy	Safety	Service			
Cherokee County									
Line to Jct Ia 31	5.12	Paved	20	21	27	23	71	71	960
31 to Urban Area Line	6.43	Paved	20	20	26	20	66	66	1590
Urban Area Line to S Jct Ia 3	.53	Paved	20	(Programed)			75	75	1690
Ia 3 to N Jct Ia 3	3.00	Paved	24	(Programed)			90	90	3110
Ia 3 to SCL of Larrabee	6.09	Paved	20	21	24	21	66	66	1545
Larrabee to O'Brien Co Line	3.01	Paved	20	21	26	23	70	70	1240
O'Brien County									
O'Brien Co Line to Jct Ia 388	2.51	Paved	20	21	26	25	72	72	1140
388 to E Jct Ia 10	1.50	Paved	20	21	30	27	78	78	1050
Ia 10 to W Jct Ia 10	4.91	Paved	18	21	18	16	55	55	1310
Ia 10 to SCL of Primghar	7.04	Paved	18	20	16	20	56	56	1465
Primghar to E Jct US 18	6.52	Paved	18	20	17	21	57	57	1235
US 18 to ECL Sanborn	1.01	Paved	24	23	40	35	98	98	2340
US 18 to Osceola Co Line	5.00	Paved	20	21	27	25	73	73	980
Osceola County									
Osceola Co Line to Jct Ia 313	1.93	Paved	20	21	26	25	72	72	1090
313 to Int Ia 9	10.08	Paved	20	21	26	25	72	72	970
9 to Minn St Line	4.71	Paved	20	22	32	27	81	81	540
	206.91*								
Appanoose County									
I State Line to WCL of Cincinnati	3.93	Paved	24	18	37	28	83	83	535
Cincinnati to End of Widened Sec	.96	Paved	24	23	35	29	87	87	880
Widened Sec to Jct Ia 216	1.57	Paved	22	23	33	30	86	86	880
216 to Begin Widened Section	3.07	Paved	22	23	33	27	83	83	1355
Widened Sec to 33 Ft Section	.41	Paved	44	23	33	34	95	95	1740
33 Ft Sec to SCL of Centerville	.68	Paved	33	23	38	31	92	92	1740

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956 Traffic
				Structural Adequacy	Safety	Service	Basic Total		
Appanoose County Continued									
Interville to End New Pave	1.34	Paved	24	25	37	30	92	92	1455
New Pave Jct Ia 278	1.16	Paved	18	13	19	19	51	51	1455
278 to Begin Conc Section	.47	Paved	18	14	18	17	49	49	1270
Conc Section to SCL of Moravia	7.09	Paved	18	13	14	21	48	48	1640
Monroe County									
Appanoose Co Line to WCL of Albia	8.10	Paved	18	13	17	16	46	46	1265
Albia to SCL Lovilla	7.70	Paved	24	15	36	29	80	80	1400
Lovilla to Marion Co Line	1.29	Paved	24	15	35	29	79	79	1200
Marion County									
Marion Co Line to SCL of Hamilton	.31	Paved	24	14	30	25	69	69	1200
Hamilton to Jct Ia 156	4.93	Paved	24	14	30	25	69	69	1065
156 to SCL of Knoxville	9.91	Paved	24	14	31	26	71	71	1414
Knoxville to Beg Asph Sect	1.63	Paved	24	(Programed)			72	72	4080
Asph Sect to W Jct Ia 92	6.41	Paved	24	(Programed)			75	75	3910
Ia 92 to SCL Pleasantville	1.91	Paved	24	17	34	29	80	80	2530
Pleasantville to Warren Co Line	4.27	Paved	24	17	34	30	81	81	2130
Warren County									
Warren Co Line to SCL Carlisle	9.49	Paved	24	22	34	18	74	74	2140
Carlisle to Jct Ia 158	.05	Paved	24	22	37	35	94	94	2270
158 to Begin of 22 Ft Sec	.64	Paved	24	22	35	30	87	87	2690
22 Ft C Sec to End New 24 Ft C SE	.50	Paved	24	25	37	33	95	95	2690
24 Ft Conc Sect to Polk Co Line	.27	Paved	24	22	37	31	90	90	2690

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating			Total Basic	Basic Rating Adj. for Gravel Surface	1956 Traffic
				Structural Adequacy	Safety	Service			
Polk County									
Co Line to Jct Ia 46	1.13	Paved	24	24	40	31	95	95	3045
46 to Jct US 65 US 69	3.75	Paved	24	25	38	31	94	94	3165
65 to SCL Des Moines	1.50	Paved	44	23	34	35	92	92	10220
s Moines to E Jct Int 35	1.00	Paved	24	(Programed)			90	90	3700
Int 35 to W Jct Int 35	3.50			(Programed)			90	90	4520
Int 35 to N Jct Ia 64	2.50	Paved	24	(Programed)			90	90	1150
Ia 64 to N Jct Ia 141	6.25	Paved	24	(Programed)			90	90	1050
Ia 141 to Beg Asph Sect Old Ia 60	7.00	Paved	24	(Programed)			90	90	1660
sh Conc Sect to Boone Co Line	1.07	Paved	20	11	23	18	52	52	1660
Boone County									
Polk Co Line to SCL of Madrid	.45	Paved	18	20	23	20	63	63	1660
Madrid to SCL of Luther	5.76	Paved	18	20	23	23	66	66	1610
Luther to W Jct US 30	5.96	Paved	18	20	22	23	65	65	1710
US 30 to E Jct US 30	1.10	Paved	18	19	21	19	59	59	4390
US 30 to Hamilton Co Line	11.20	Mixed Bit	24	7	29	27	63	63	685
Hamilton County									
Co Line to S Jct Ia 175	4.12	Mixed Bit	24	8	29	29	66	66	720
Jct Ia 175 to SCL Stanhope	.87	Mixed Bit	24	8	34	30	72	72	1280
Stanhope to SCL Webster City	11.51	Mixed Bit	24	8	32	23	63	63	920
ster City to W Jct US 20	2.76	Paved	24	23	36	33	92	92	3590
st US 20 to Wright Co Line	6.05	Paved	20	18	25	27	70	70	1050
n Co Line to Jct Ia 323	1.00	Paved	18	21	15	17	53	53	1100
323 to SCL Eagle Grove	5.70	Paved	18	19	18	21	58	58	1310
le Grove to SCL Goldfield	3.38	Paved	18	21	19	24	64	64	1640
ldfield to W Jct Ia 3	2.01	Paved	20	21	22	21	64	64	2210
Ia 3 to Jct Ia 368	6.64	Paved	24	22	36	31	89	89	560
368 to Begin Paved Sec	2.43	Paved	24	22	37	31	90	90	640

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956 Traffic
				Structural Adequacy	Safety	Service	Total Basic		
Hamilton County Continued									
Paved Sec to Hancock Co Line	3.09	Paved	22	23	33	23	84	84	640
Co Line to Jct Ia 256	5.01	Paved	22	23	36	32	91	91	545
256 to Jct Old US 18	6.92	Paved	22	23	37	32	92	92	420
Old US 18 to Jct Reloc US 18	.50	Paved	24	(Programmed)			90	90	420
	192.95*								
Lee County									
Tri St Line to Urban Area Line	.13	Paved	18	13	22	15	50	50	3320
Area Line to WCL of Keokuk	.08	Paved	18	13	12	15	40	40	3320
Keokuk to Beg Present Pave	4.00	Paved	24	(Programmed)			90	90	3410
Present Pave to N Jct US 218	6.00	Paved	24	21	35	25	81	81	2940
US 218 to W Jct Ia 2	8.00	Paved	24	(Programmed)			90	90	1565
Ia 2 to WCL of Ft Madison	1.20	Paved	20	18	28	24	70	70	2900
Ft Madison to Begin 34 Ft Sect	4.81	Paved	24	15	38	27	80	80	2305
34 Ft Sect to End 34 Ft Sect	.52	Paved	34	15	34	27	76	76	2305
34 Ft Sect to Jct Ia 16	2.51	Paved	24	15	36	26	77	77	2305
Ia 16 to Des Moines Co Line	.99	Paved	24	15	31	24	70	70	2460
Des Moines County									
Line to Sec 25 69 3W	2.77	Paved	24	19	37	28	84	84	3120
25 69 3A to Urban Area Line	4.73	Paved	24	24	38	33	95	95	1825
Urban Area Line to Beg Asph Sect	6.34	Paved	24	19	32	31	82	82	2350
Asph Sect to SCL Mediapolis	5.96	Paved	24	19	39	35	93	93	2350
Mediapolis to Louisa Co Line	4.17	Paved	24	19	31	31	81	81	1740
Louisa County									
Des Moines Co Line to Jct Ia 78	1.02	Paved	24	18	38	30	86	86	1690
Ia 78 to SCL of Wapello	5.89	Paved	24	19	35	32	86	86	1570
Wapello to S Jct Ia 92	6.09	Paved	24	20	30	30	80	80	1785
Ia 92 to Jct Ia 305	3.02	Paved	24	20	35	31	86	86	2900





Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956
				Structural Adequacy	Safety	Service	Total Basic		
Jackson County									
Maquoketa to SCL Andrew	6.68	Paved	24	Programed			90	90	75
Andrew to Jct Ia 113	6.98	Paved	24	Programed			90	90	40
Ia 113 to Beg Old Conc Sect	3.85	Paved	24	Programed			90	90	42
Old Conc Sec to WCL Bellevue	1.84	Paved	18	14	17	12	43	43	45
	19.35*								
Davis County									
Co Line to End of Asph Conc Sec	3.96	Paved	18	16	14	17	47	47	88
Asph Conc Sec to W Jct Ia 2	6.96	Paved	18	13	15	16	44	44	86
W Jct Ia 2 to WCL of Bloomfield	4.63	Paved	24	14	33	22	69	69	168
WCL of Bloomfield to Begin 22 Ft Sec	.24	Paved	18	13	13	19	45	45	264
Begin 22 Ft Sec to End 22 Ft Sec	.85	Paved	22	24	33	27	84	84	264
End 22 Ft Sec to Jct of Ia 273	1.66	Paved	18	13	17	15	45	45	248
Jct of Ia 273 to Wapello Co Line	7.43	Paved	18	13	15	13	41	41	237
Wapello County									
Co Line to Urban Area Line	6.27	Paved	18	13	13	13	36	36	261
Urban Area Line to SCL Ottumwa	.55	Paved	18	13	21	24	58	58	332
SCL Ottumwa to Urban Area Line	.28	Paved	20	15	24	20	59	59	495
Urban Area Line to Beg 24 Ft Sect	1.20	Paved	20	15	19	26	60	60	382
Beg 24 Ft Sect to Jct 380	1.38	Paved	24	15	37	34	86	86	382
Jct 380 to Keokuk Co Line	4.46	Paved	24	15	28	28	71	71	238
Keokuk County									
Keokuk Co Line to Jct Ia 149	1.11	Paved	24	17	37	32	86	86	217
Jct Ia 149 to Mahaska Co Line	1.75	Paved	24	17	34	27	78	78	182

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956
				Structural Adequacy	Safety	Service	Total Basic		
Mahaska County									
kuk Co Line to ECL Fremont	.89	Paved	24	15	36	28	79	79	18
Fremont to Beg Relocation	11.78	Paved	24	15	36	27	78	78	20
Relocation to SCL University Park	.13	Paved	24	25	40	35	100	100	25
University Park to SCL Oskaloosa	.15	Paved	24	25	40	35	100	100	25
Oskaloosa to Begin 20 Ft Section	1.39	Paved	18	13	19	9	41	41	25
in 20 Ft Section to End 20 Ft Section	.19	Paved	20	13	26	18	57	57	24
20 Ft Section to Begin 20 Ft Section	.64	Paved	18	13	20	16	49	49	24
in 20 Ft Section to End 20 Ft Section	.32	Paved	20	13	21	19	53	53	24
20 Ft Section to End Asph Section	3.02	Paved	18	13	17	17	47	47	22
Asph Section to SCL of New Sharon	5.35	Paved	22	16	24	29	69	69	18
of New Sharon to Jct Ia 308	4.16	Paved	22	16	25	27	68	68	14
Ia 308 to Poweshiek Co Line	2.29	Paved	22	16	30	24	70	70	9
Poweshiek County									
aska Co Line to SCL Montezuma	4.99	Paved	20	18	28	22	68	68	9
Montezuma to SCL Malcom	7.73	Paved	20	18	22	18	58	58	12
Malcom to East Jct US 6 Old Location	1.14	Paved	20	18	25	18	61	61	12
US 6 to New US 6	1.01	Paved	24	25	38	32	95	95	12
t Jct US 6 to West Jct US 6	2.10	Paved	24	25	38	30	93	93	23
ct US 6 to Tama Co Line	7.60	Paved	18	18	14	19	51	51	9
Tama County									
eshiek County Line to SCL Tama	6.28	Paved	18	19	14	21	54	54	12
of Toledo to Jct Ia. 229	6.71	Paved	18	19	14	18	51	51	16
Ia 229 to Ia 96	4.91	Paved	18	19	17	20	56	56	12
Ia 96 to SCL of Traer	6.71	Paved	18	16	18	16	50	50	13
Traer to Begin 24 Ft Sec	1.86	Paved	18	19	15	17	51	51	19
in 24 Ft Sec to Begin 18 Ft Sec	.89	Paved	24	25	36	34	95	95	19
in 18 Ft Sec to Blackhawk Co Line	4.17	Paved	18	20	16	17	53	53	18



Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956 Traffic
				Structural Adequacy	Safety	Service	Total Basic		
Pottawattamie County									
Council Bluffs to SCL Underwood	10.67	Paved	18	15	17	18	50	50	245
Underwood to WCL Neola	4.82	Paved	18	13	21	21	55	55	189
Neola to Jct Ia 191	.17	Paved	18	14	22	20	56	56	170
Ia 191 to WCL Minden	3.35	Paved	18	18	18	16	52	52	102
Minden to Jct Ia 168	4.45	Paved	18	19	13	16	48	48	163
Ia 168 to WCL Avoca	5.32	Paved	18	19	11	16	46	46	105
Avoca to Shelby Co Line	1.26	Paved	18	19	14	15	48	48	154
Shelby County									
Pottawattamie Co Line to N Jct US 59	9.61	Paved	18	19	18	17	54	54	139
US 59 to SCL of Harlan	.26	Paved	18	16	22	16	54	54	43
of Harlan to Begin 3 Inch Asph Conc	7.26	Paved	18	16	14	16	46	46	143
3 In Asph Conc to Audubon Co Line	4.75	Paved	18	17	11	11	39	39	107
Audubon County									
Shelby Co Line to WCL of Kimballton	.53	Paved	18	17	17	17	51	51	108
of Kimballton to Begin Winding Sec	3.00	Paved	18	17	16	17	50	50	104
Winding Sec to End Winding Sec	4.22	Paved	18	17	16	14	47	47	102
Winding Sec to Int US 71	2.50	Paved	18	18	17	19	54	54	111
US 71 to Guthrie Co Line	8.67	Paved	18	17	10	16	43	43	120
Guthrie County									
Dallas Co Line to Jct Ia 73	.98	Paved	18	17	18	16	51	51	105
Ia 73 to WCL of Guthrie Center	11.24	Paved	18	15	13	16	44	44	113
of Guthrie Center to WCL of Panora	6.00	Paved	18	18	14	14	46	46	160
of Panora to Dallas Co Line	3.57	Paved	18	19	20	21	60	60	151

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956 Traffic
				Structural Adequacy	Safety	Service	Total Basic		
Dallas County									
ie Co Line to Jct Ia 292	.53	Paved	18	20	22	23	65	65	146
a 292 to End Asph Conc Sec	9.53	Paved	18	20	18	20	58	58	128
sph Conc Sec to End Conc Sec	1.95	Paved	18	19	21	16	56	56	158
onc Sec to Int US 169	1.33	Paved	18	20	15	18	53	53	152
69 to NE Curve	.26	Paved	18	19	14	14	47	47	137
69 to SW Curve	.20	Paved	24	23	33	23	79	79	50
S 169 to SE Curve	.24	Paved	24	23	34	23	80	80	68
S 169 to End Asph Sec	.17	Paved	18	23	20	19	62	62	61
sph Sec to End Conc Sec	1.46	Paved	18	18	21	23	62	62	266
onc Sec to WCL Dallas Center	1.17	Paved	18	20	18	21	59	59	266
allas Center to Polk Co Line	7.27	Paved	18	17	20	18	55	55	245
Polk County									
s Co Line to WCL of Grimes	.78	Paved	20	17	20	21	58	58	265
Grimes to N Jct Ia 60	.50	Paved	24	Programed			90	90	253
Ia 60 to W Jct Int 35	2.50	Paved	24	Programed			90	90	452
Int 35 to E Jct Int 35				Programed					
Int 35 to NCL Des Moines	1.00	Paved	24	Programed			90	90	370
es Moines to Jct US 6, Ia 64	.74	Paved	44	25	40	28	93	93	965
S 6 to Urban Area Line	.92	Paved	20	18	27	26	71	71	391
Area Line to SCL Bondurant	3.29	Paved	20	18	27	24	69	69	391
ondurant to Jasper Co Line	7.32	Paved	20	18	27	23	68	68	387
Jasper County									
Co Line to Jct US Ia 117	2.87	Paved	20	20	26	24	70	70	401
S 65, Ia 117 to Story Co Line	5.33	Paved	20	20	23	20	63	63	275
Story County									
r Co Line to Marshall Co Line	.07	Paved	20	20	28	28	76	76	275

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956 Traffic
				Structural Adequacy	Safety	Service	Total Basic		
Marshall County									
Co Line to Jct Ia 234	4.84	Paved	20	20	24	23	67	67	2750
a 234 to Jct 395	4.01	Paved	20	19	26	23	68	68	2960
95 to Jct US 30 Ia 330	5.94	Paved	20	19	25	22	66	66	2920
S 30 to Urban Area Line	4.52	Paved	22	20	27	27	74	74	4730
Area Line to Int Ia 14	1.00	Paved	22	20	28	27	75	75	4870
a 14 to Urban Area Line	.49	Paved	22	24	32	30	86	86	4870
Area Line to End 22 Ft Sec	3.07	Paved	22	24	32	28	84	84	4600
2 Ft Sec to Jct Ia 146	2.91	Paved	24	25	40	33	98	98	4850
Tama County									
all Co Line to Jct Ia 135	3.53	Paved	24	25	36	30	91	91	5290
a 135 to WCL Toledo	5.57	Paved	24	25	36	30	91	91	5390
ama to Jct Old US 30	.24	Paved	24	25	40	35	100	100	4760
ld US 30 to Jct Ia 212	5.11	Paved	24	24	33	31	88	88	4930
a 212 to Benton Co Line	8.31	Paved	24	25	38	31	94	94	3580
Benton County									
Co Line to Jct Ia 131	2.92	Paved	24	17	32	29	78	78	3490
a 131 to Jct Ia 200	2.01	Paved	24	22	40	33	95	95	3970
a 200 to Jct Ia 82	5.99	Paved	24	20	38	32	90	90	4000
a 82 to W Jct US 218	2.99	Paved	24	22	37	30	89	89	4440
US 218 to Jct Ia 280	3.00	Paved	24	22	29	27	78	78	6030
a 280 to Jct Ia 201	2.00	Paved	24	22	27	25	74	74	6300
a 201 to Jct Ia 279	3.93	Paved	24	22	26	25	73	73	6340
a 279 to Linn Co Line	1.02	Paved	24	22	24	22	68	68	6690
Linn County									
n Co Line to In Sec 35-83-8W	4.51	Paved	24	16	22	23	61	61	6780
35-83-8W to Jct Ia 149	1.91	Paved	24	Programed			63	63	6725





Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956
				Structural Adequacy	Safety	Service	Total Basic		
Wayne County									
Lineville to S Jct Ia 2	11.59	Paved	22	21	33	25	79	79	90
Ia 2 to N Jct Ia 2	.29	Paved	18	13	16	13	42	42	164
Ia 2 to SCL of Humeston	6.68	Paved	20	18	29	23	70	70	110
Humeston to Lucas Co Line	1.99	Paved	20	18	27	22	67	67	92
Lucas County									
Co Line to Jct Ia 306	2.69	Paved	22	22	36	32	90	90	92
Ia 306 to Begin Asphaltic Section	6.07	Paved	22	22	34	30	86	86	99
ing Asph Section to SCL of Lucas	.56	Paved	24	18	37	30	85	85	104
ucas to Warren Co Line	9.72	Paved	24	Programed			90	90	131
Warren County									
Co Line to Jct Ia 206	1.48	Paved	24	Programed			90	90	147
Ia 206 to Jct Ia 205	7.01	Paved	24	Programed			90	90	142
Ia 205 to S Jct US 69	3.51	Paved	22	13	26	22	61	61	161
US 69 to Begin 22 Ft Sec	2.20	Paved	18	20	18	13	51	51	419
22 Ft Sec to Begin 24 Ft Sec	1.65	Paved	22	21	33	29	83	83	419
24 Ft Sec to SCL Indianola	.76	Paved	24	25	38	28	91	91	419
Indianola to Polk Co Line	9.83	Paved	24	25	34	29	88	88	556
Polk County									
Co Line to Begin 44 Ft Sec	1.33	Paved	24	23	34	28	85	85	528
Ft Sect to Jct Ia 28	.08	Paved	45	23	40	23	86	86	528
28 to SCL of Des Moines	1.50	Paved	44	23	34	35	92	92	1022
s Moines to Jct US 6 Ia 64	.74	Paved	44	25	40	28	93	93	965
6 to Urban Area Line	.92	Paved	20	18	27	26	71	71	391
Area Line to SCL of Bondurant	3.29	Paved	20	18	27	24	69	69	391
Bondurant to Jasper Co Line	7.32	Paved	20	18	27	23	68	68	387

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956
				Structural Adequacy	Safety	Service	Total Basic		
Jasper County									
Story Co Line to Jct Ia 64	2.87	Paved	20	20	26	24	70	70	40
Ia 64 Ia 117 to Story Co Line	3.71	Paved	20	20	26	22	68	68	15
Story County									
Story Co Line to SCL of Collins	2.50	Paved	20	16	26	25	67	67	16
of Collins to Int US 30	9.03	Paved	20	16	29	24	69	69	13
US 30 to Jct 317	10.06	Paved	24	23	37	32	92	92	16
Ia 317 to Hardin Co Line	3.20	Paved	24	23	35	30	88	88	17
Hardin County									
Story Co Line to End Asph Sect	2.00	Paved	24	24	34	30	88	88	17
Asph Conc Sec to SCL Hubbard	4.50	Paved	24	24	37	33	94	94	16
Hubbard to Jct Ia 57	5.68	Paved	24	24	35	32	91	91	18
Ia 57 to SCL Ia Falls	10.63	Paved	24	20	34	27	81	81	22
Conc Sect to SCL Iowa Falls	.19	Paved	24	Programmed			90	90	22
Iowa Falls to N Jct US 20	4.21	Paved	24	18	34	26	78	78	33
Franklin County									
Jct US 20 to Jct 134	9.02	Paved	24	19	35	26	80	80	19
134 to SCL Hampton	3.54	Paved	24	19	38	27	84	84	24
Hampton To SCL Sheffield	8.09	Paved	24	19	38	29	86	86	25
Cerro Gordo County									
Franklin Co Line to Beg New 24 Ft Conc	2.27	Paved	24	25	36	33	94	94	24
New 24 Conc Sec to End New 24 Conc	.73	Paved	24	25	36	32	93	93	26
New Conc Sec to Beg 22 Ft Sec	3.99	Paved	24	25	35	32	92	92	27
in 22 Ft Section to Urban Area Line	6.62	Paved	22	21	33	27	81	81	31
Urban Area Line to Begin 24 Ft Section	1.00	Paved	22	21	34	29	84	84	35
in 24 Ft Section to SCL Mason City	.50	Paved	24	10	40	33	83	83	36

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956
				Structural Adequacy	Safety	Service	Total Basic		
Cerro Gordo (cont.)									
ason City to Urban Area Line	1.09	Paved	24	25	21	21	67	67	5600
Area Line to Jct Ia 288	3.00	Paved	24	25	28	29	82	82	4225
a 288 to Worth Co Line	.90	Paved	24	25	30	31	86	86	3440
Worth County									
Gordo Co Line to Int Ia 9	2.01	Paved	24	25	38	32	95	95	3650
a 9 to SCL of Kensett	4.27	Paved	24	19	35	30	84	84	2280
f Kensett to SCL of Northwood	4.81	Paved	24	19	31	28	78	78	2035
f Northwood to Minn State Line	3.19	Paved	24	19	35	27	81	81	1840
	194.82*								
Ringgold County									
a 2 to SCL Diagonal	6.64	Paved	22	24	31	28	83	83	305
	6.64*								
Scott County									
f Bettendorf to WCL Riverdale	1.14	Paved	48	18	34	31	83	83	9365
tverdale to SCL LeClaire	6.82	Paved	24	Programed			90	90	2295
f LeClaire to SCL of Princeton	3.96	Paved	18	12	14	19	45	45	2020
f Princeton to Clinton Co Line	3.82	Paved	18	12	14	21	47	47	1470
Clinton County									
Co Line to WCL Camanche	5.89	Paved	18	14	15	14	43	43	1245
amanche to S Jct US 30	1.47	Paved	18	14	19	19	52	52	4380
US 30 to WCL Clinton	.22	Paved	24	15	21	25	61	61	6920
inton to Begin 20 Ft Sec	6.08	Paved	18	13	15	15	43	43	1235
20 Ft Sec to Jackson Co Line	4.55	Paved	20	20	27	25	72	72	790

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956
				Structural Adequacy	Safety	Service	Total Basic		
Jackson County									
nton Co Line to W Jct Ia 64	2.59	Paved	20	20	27	23	70	70	
ct Ia 64 to E Jct Ia 64	.24	Paved	20	20	30	27	77	77	11
ct US 52 to Beg New Sect	10.47	Paved	22	17	30	22	69	69	11
New Sect End New Sect	1.94	Paved	22	16	35	31	79	79	11
New Sect to Beg Conc Sect	6.49	Paved	22	20	28	29	72	72	8
Conc Sect to NCL Bellevue	.02	Paved	24	15	17	27	59	59	8
Bellevue to Dubuque Co Line	11.64	Faved	20	20	21	20	61	61	9
Dubuque County									
kson Co Line to S Jct US 61	8.36	Paved	20	20	25	22	67	67	11
ct US 61 and 151 to SCL Dubuque	.89	Paved	48	25	40	35	100	100	64
	76.53*								
Monroe County									
of Melrose to Jct US 34	1.09	Mix Bit	24	10	36	28	74	74	3
	1.09*								
Decatur County									
ouri State Line to End Conc Sec	1.43	Paved	18	15	13	8	36	36	17
Conc Sec to SCL of Lamoni	1.57	Paved	18	16	17	18	51	51	17
of Lamoni to SCL of Davis City	5.76	Paved	18	16	13	15	44	44	19
of Davis City to End 24 Ft Conc Sec	3.58	Paved	24	25	40	29	94	94	20
of 24 Ft Conc Sec to W Jct Ia 2	3.61	Paved	18	15	16	12	43	43	11
ct Ia 2 to Begin 24 Ft Sec	.12	Pared	18	19	20	18	57	57	27
in 24 Ft Sec to WCL of Leon	.14	Paved	24	25	37	34	96	96	27
of Leon to Jct Ia 258	8.67	Paved	18	17	18	18	53	53	21
Ia 258 to Clarke Co Line	1.97	Paved	18	16	20	23	59	59	19

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	
				Structural Adequacy	Safety	Service	Total Basic		
Clarke County									
Warren Co Line to SCL Osceola	8.97	Paved	18	16	12	15	43	43	21
of Osceola to Warren Co Line	12.05	Paved	18	16	19	10	45	45	20
Warren County									
Clarke Co Line to Jct Ia 207	2.54	Paved	18	17	14	12	43	43	19
Ia 207 to S Jct US 65	8.06	Paved	18	17	18	13	48	48	21
Jct US 65 to Begin 22 Ft Sec	2.20	Paved	18	20	18	13	51	51	41
in 22 Ft Sec to Begin 24 Ft Sec	1.65	Paved	22	21	33	29	83	83	41
in 24 Ft Sec to SCL Indianola	.76	Paved	24	25	38	28	91	91	41
Indianola to Polk Co Line	9.83	Paved	24	25	34	29	88	88	55
Polk County									
Warren Co Line to Begin 45 Ft Sec	1.33	Paved	24	23	34	28	85	85	52
in 45 Ft Sec to Jct Ia 28	.08	Paved	45	23	40	23	86	86	52
Ia 28 to SCL Des Moines	1.50	Paved	44	23	34	35	92	92	102
of Des Moines to Urban Area Line	2.51	Paved	24	18	22	20	60	60	71
Urban Area Line to Jct Ia 160	2.25	Paved	24	18	37	23	83	83	50
Ia 160 to SCL Ankeny	1.05	Paved	24	18	23	21	62	62	73
Ankeny to Jct Ia 87	3.84	Paved	24	18	32	29	79	79	58
Ia 87 to Story Co Line	4.97	Paved	24	18	32	29	79	79	57
Story County									
Clarke Co Line to Int Ia 210	1.01	Paved	24	22	38	30	90	90	52
Ia 210 to SCL Huxley	.92	Paved	24	22	35	29	86	86	52
of Huxley to Urban Area Line	6.11	Paved	24	19	36	28	83	83	50
Urban Area Line to SCL of Ames	2.00	Paved	24	19	35	31	85	85	50
Ames to New 24 Ft Sec	.26	Paved	18	15	19	17	51	51	42
New 24 Ft Conc to Beg Old 24 Ft Conc	2.16	Paved	24	25	40	34	99	99	41
Old 24 Ft Conc to Jct Ia 221	5.95	Paved	24	21	36	33	85	85	41

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Surface	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	
				Structural Adequacy	Safety	Service	Total Basic		
Story County (cont)									
Ia 221 to Jct Ia 115	1.46	Paved	24	25	40	35	100	100	40
Ia 115 to Hamilton Co Line	1.51	Paved	24	25	40	35	100	100	35
Hamilton County									
ry Co Line to Jct Ia 383	1.75	Paved	24	25	39	35	99	99	32
Ia 383 to South Jct Ia 175	4.07	Paved	24	25	38	33	96	96	31
th Jct Ia 175 to SCL of Jewell	.99	Paved	24	25	38	35	98	98	36
Jewell to Jct Old Ia 298	5.04	Paved	24	24	33	33	90	90	35
298 to Int 20	5.24	Paved	24	24	34	33	91	91	30
US 20 to Wright Co Line	6.21	Paved	24	20	34	31	85	85	20
Wright County									
ilton Co Line to Jct Ia 72	7.37	Paved	24	17	36	31	84	84	21
Ia 72 to Jct Ia 262	2.05	Paved	24	21	36	30	87	87	22
Ia 262 to W Jct Ia 3	2.66	Paved	24	21	35	30	86	86	22
ct Ia 3 to E Jct Ia 3	1.62	Paved	24	21	34	26	81	81	35
ct Ia 3 to SCL Belmond	6.48	Paved	24	21	34	29	84	84	27
Belmond to Hancock Co Line	3.89	Paved	24	21	30	30	81	81	28
Hancock County									
ght Co Line to SCL Goodell	.75	Paved	24	18	34	30	82	82	27
Goodell to Jct Ia 179	5.59	Paved	24	18	35	30	83	83	26
Ia 179 to Beg New 24 Ft Sect	6.38	Paved	24	18	35	30	83	83	29
New 24 Ft Sect to E Jct US 18	.40	Paved	24	25	32	31	88	88	30
ct US 18 to Beg Old 24 Ft Sect	.54	Paved	24	20	40	34	94	94	43
Old 24 Ft Sect to W Jct US 18	.42	Paved	24	7	37	33	77	77	43
ct US 18 to Winnebago Co Line	10.71	Paved	24	18	34	28	80	80	25

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956
				Structural Adequacy	Safety	Service	Total Basic		
Winnebago County									
Forest City to SCL Leland	3.00	Paved	24	18	34	27	79	79	259
Leland to W Jct Ia 9	1.78	Paved	24	18	32	24	74	74	228
Ia 9 to WCL Lake Mills	7.94	Paved	20	21	24	21	66	66	166
Lake Mills to Worth Co Line	4.95	Paved	20	21	24	23	68	68	157
Winnebago Co Line to Minn State Line	.30	Paved	20	21	24	26	71	71	155
	201.95*								
Madison County									
of Macksburg to Jct US 169	7.15	Gravel	33	11	33	27	71	54	19
	7.15*								
Page County									
Graddyville to Jct Ia 333	3.76	Paved	18	18	19	19	56	56	181
Ia 333 to SCL Shambough	1.39	Paved	18	18	19	15	52	52	190
Shambough to Beg 34 Ft Sect	4.90	Paved	18	18	19	22	59	59	236
34 Ft Section to Begin 44 Ft Sect	.04	Paved	34	18	37	35	90	90	236
44 Ft Section to SCL Clarinda	.05	Paved	44	18	37	35	90	90	236
Clarinda to Beg 18 Ft Conc Sect	.84	Paved	22	25	34	31	90	90	339
18 Ft Conc to E Jct Ia 2	.07	Paved	18	19	23	18	60	60	339
Ia 2 to Montgomery Co Line	11.58	Paved	18	18	18	18	54	54	158
Montgomery County									
Co Line to SCL of Villisca	1.49	Paved	18	18	14	22	54	54	177
of Villisca to S Jct of US 34	5.09	Paved	18	18	16	19	53	53	173
US 34 to N Jct US 34	.31	Paved	18	16	19	8	43	43	271
US 34 to SCL of Grant	8.55	Paved	18	17	14	18	49	49	152
of Grant to Cass Co Line	.73	Paved	18	17	18	20	55	55	151

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956
				Structural Adequacy	Safety	Service	Total Basic		
Case County									
t Co Line to S Jct Ia 92	5.00	Paved	18	18	14	16	48	48	15
ct Ia 92 to N Jct Ia 92	1.97	Paved	18	18	13	19	50	50	15
ct Ia 92 to Jct Ia 414	2.91	Paved	18	18	13	17	48	48	20
Ia 414 to W Jct US 6	7.17	Paved	18	18	8	18	44	44	16
t Jct US 6 to East Jct US 6	2.08	Paved	24	19	31	28	78	78	49
ct US 6 to Audubon Co Line	7.27	Paved	24	23	35	22	90	90	12
Audubon County									
s Co Line to SCL Brayton	2.67	Paved	24	23	27	34	84	84	13
Brayton to SCL Exira	3.23	Paved	24	23	29	33	85	85	17
Exira to Jct Ia 64	4.95	Paved	24	23	30	31	84	84	17
Ia 64 to SCL Audubon	3.19	Paved	24	23	33	32	88	88	24
of Audubon to Begin Conc Section	.25	Paved	44	25	36	32	93	93	26
in Conc Sec to Asph Conc Sec	1.95	Paved	24	17	32	27	76	76	19
Asph Conc Sec to Beg Conc Sec	1.83	Paved	24	18	32	28	78	78	16
Conc Sec to Beg Asph Conc	1.02	Paved	24	17	34	29	80	80	15
Asph Conc Sec to Beg Conc Sec	1.43	Paved	24	18	32	28	78	78	14
Conc Sec to Carroll Co Line	2.87	Paved	24	17	32	27	76	76	13
Carroll County									
abon Co Line to W Jct Ia 141	3.10	Paved	24	21	27	25	73	73	12
st Ia 141 to E Jct Ia 141	2.60	Paved	24	18	29	25	72	72	15
st Ia 141 to SCL of Carroll	10.82	Paved	24	21	31	26	78	78	17
of Carroll to Jct Ia 217	7.11	Paved	24	21	34	28	83	83	27
Ia 217 to Sac Co Line	1.97	Paved	24	21	34	28	83	83	20
Sac County									
oll Co Line to SCL Auburn	2.50	Paved	24	Programed			89	89	22
of Auburn to Jct Ia 196	7.64	Paved	20	22	26	23	71	71	14



Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956
				Structural Adequacy	Safety	Service	Total Basic		
Sac County (cont.)									
Ia 196 to ECL of Lake View	4.09	Paved	20	22	24	24	70	70	146
of Lake View to Jct Ia 36	1.46	Paved	20	22	25	23	70	70	177
Ia 36 to W Jct Ia 175	2.80	Paved	20	22	23	23	68	68	169
at Ia 175 to S Jct US 20	8.26	Paved	24	Programed			85	85	152
at US 20 to SCL Early	2.29	Paved	24	21	34	29	84	84	283
Early to N Jct US 20	.43	Paved	24	21	36	28	85	85	294
at US 20 to Buena Vista Co Line	6.53	Paved	24	22	32	27	81	81	173
Buena Vista County									
Co Line to Jct Ia 5	3.00	Paved	24	19	31	28	78	78	193
Ia 5 to Beg 36 Ft Conc Sect	3.07	Paved	24	18	36	29	83	83	335
n 36 Ft Conc Sect to Begin 48 Ft Con	.06	Paved	36	22	36	34	92	92	335
n 48 Ft Conc Sect to ECL Storm Lake	.24	Paved	48	22	36	34	92	92	335
of Storm Lake ECL Storm Lake	.17	Paved	40	22	36	35	93	93	328
Storm Lake to Begin 20 Ft Sec	3.02	Paved	24	19	37	32	88	88	280
n 20 Ft Section to Jct Ia 352	1.65	Paved	20	20	28	23	71	71	267
Ia 352 to Int of Ia 3	3.65	Paved	20	20	27	22	69	69	210
of Ia 3 to Jct Ia 351	5.28	Paved	20	20	27	25	72	72	222
Ia 351 to S Jct Ia 10	1.76	Paved	20	20	28	25	73	73	206
at Ia 10 to SCL of Sioux Rapids	2.26	Paved	20	17	27	23	67	67	221
of Sioux Rapids to Clay Co Line	.94	Paved	20	15	27	24	66	66	235
Clay County									
a Vista Co Line to Beg 24 Conc Sect	.27	Paved	20	20	29	24	73	73	235
24 Ft Conc Sec to N Jct Iowa 10	.64	Paved	24	20	36	31	87	87	235
at 10 to Jct 374	2.11	Paved	24	20	34	29	83	83	228
374 to Jct 240	7.92	Paved	24	20	33	29	82	82	261
Ia 240 to SCL Spencer	4.77	Paved	24	20	36	32	88	88	318
Spencer to N Jct US 18	1.46	Paved	48	20	40	35	95	95	673



Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956 Traffic
				Structural Adequacy	Safety	Service	Total Basic		
Linn County									
to Urban Area Line	7.16	Paved	24	23	36	31	89	89	865
Line to WCL Cedar Rapids	1.03	Paved	24	23	30	27	80	80	1560
	8.24*								
Pottawattamie County									
ouncil Bluffs to Urban Area Line	1.04	Paved	18	15	17	11	43	43	4160
Area Line to Begin Asph Conc Sect	8.84	Paved	18	15	13	13	41	41	3905
Asph Conc Sect to Begin Conc Sect	1.49	Paved	18	15	10	9	34	34	3220
Conc Sect to Harrison Co Line	5.53	Paved	18	15	18	21	54	54	3260
Harrison County									
attamie Co Line to Beg 18 Ft Conc Sect	1.99	Paved	24	17	34	26	77	77	3110
18 Ft Conc Sect to SCL Mo Valley	1.09	Paved	18	15	17	18	50	50	3110
ssouri Valley to Jct Ia 127	9.77	Paved	18	17	18	17	52	52	1520
127 to Jct Ia 183	1.71	Paved	18	19	15	17	51	51	2045
183 to ECL Mondamin	2.55	Paved	18	18	23	22	63	63	1830
ndamin to Jct Ia 301	6.84	Paved	28	20	35	31	86	86	1700
301 to Monona Co Line	4.86	Paved	28	20	27	33	80	80	1700
Monona County									
on Co Line to Jct Ia 366	4.50	Paved	24	22	38	35	95	95	1220
366 to SCL Onawa	6.01	Paved	24	22	32	32	86	86	2185
awa to SCL Whiting	6.19	Paved	24	22	35	33	90	90	2280
iting to Woodbury Co Line	6.29	Paved	24	22	37	34	93	93	1695
Woodbury County									
Co Line to SCL Sloan	1.15	Paved	24	24	36	35	95	95	1800
Sloan to ECL of Salix	5.08	Paved	24	24	36	35	95	95	2210
lix to Jct Ia 230	5.26	Paved	24	24	36	34	94	94	2120
230 to Urban Area Line	1.04	Paved	24	24	36	34	94	94	2140



Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956 Traffic
				Structural Adequacy	Safety	Service	Total Basic		
Louisa County									
Columbus City to SCL of Columbus	.62	Bit. S.T.	24	12	36	15	63	63	2550
Columbus Jct to Muscatine Co Line	3.11	Paved	24	19	35	32	86	86	350
Muscatine County									
Co Line to SCL of Conesville	2.51	Paved	24	18	38	34	90	90	1350
Conesville to SCL of Nichols	6.56	Paved	24	18	40	32	90	90	320
Nichols to East Jct Ia 22	2.83	Paved	22	18	32	31	81	81	760
East Jct Ia 22 to SCL West Liberty	5.70	Paved	22	19	32	29	80	80	880
	21.33*								
Keokuk County									
1 to SCL of Richland Jct 78	1.61	Bit. Pen	24	11	30	26	67	67	1285
Richland to Int Ia 92	10.64	Paved	24	Programmed			90	90	450
92 to WCL of Keota	1.91	Bit.S.T.	24	17	28	13	58	58	635
	14.16*								
Keokuk County									
149 to Jct Ia 304	6.65	Bit. S.T.	24	18	32	27	77	77	905
304 to W Jct Ia 77	5.18	Bit. S.T.	24	18	34	27	79	79	930
Ia 77 to E Jct Ia 77	1.61	Bit. Pen.	24	11	30	26	67	67	1285
Ia 77 to Jct Ia 1	.29	Bit. S.T.	24	11	38	31	80	80	730
1 to Washington Co Line	.86	Bit. Pen	24	11	36	28	75	75	1440
Washington County									
Co Line to WCL Brighton	5.99	Bit. S.T.	24	13	32	28	73	73	1445
Brighton to Jefferson Co Line	.95	Paved	24	19	38	29	86	86	500
Jefferson County									
ton Co Line to Henry Co Line	4.35	Paved	24	21	35	30	86	86	510

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956
				Structural Adequacy	Safety	Service	Total Basic		
Henry County									
Person Co Line to WCL Wayland	2.46	Paved	24	21	30	28	79	79	66
Wayland to N Jct US 218	6.01	Paved	24	23	32	25	80	80	96
Jct US 218 to NCL Olds	.26	Paved	24	14	38	28	80	80	264
Olds to S Jct US 218	.76	Paved	24	14	38	34	86	86	264
US 218 to Jct Ia 249	5.47	Paved	24	18	29	29	76	76	69
Ia 249 to Louisa Co Line	5.51	Paved	22	23	36	30	89	89	48
Louisa County									
Person Co Line to WCL of Morning Sun	5.78	Paved	22	21	35	31	87	87	480
of Morning Sun to Jct US 61	3.64	Paved	24	17	34	28	79	79	84
	55.77*								
Van Buren County									
Ia 2 to SCL of Bonaparte	1.57	Paved	18	13	21	18	52	52	59
	1.57*								
Washington County									
Ia 92 to Begin Conc Section	8.14	Bit. S.T.	24	18	32	27	77	77	78
in Conc Sec to SCL Wellman	.50	Paved	18	13	18	10	41	41	125
	8.64*								
Benton County									
of Blairstown to Jct US 30	3.55	Mix. Bit.	24	6	36	28	70	70	49
	3.55*								
Pottawattamie County									
Avoca to WCL Walnut	5.22	Bit. Pen	24	13	27	25	65	65	100
Walnut to Cass Co Line	5.25	Bit. Pen	24	13	30	21	64	64	90

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956
				Structural Adequacy	Safety	Service	Total Basic		
Lawattamie Co Line to WCL Marne of Marne to WCL of Atlantic	Cass County								
	1.91	Bit. Pen	26	13	20	21	54	54	8
	5.38	Bit. Pen	26	17	35	27	79	79	9
	17.76*								
Marion Rapids Municipal Airport to US 218	Linn County								
	1.76	Paved	22	22	34	30	86	86	11
	1.76*								
Montezuma to NCL Deep River	Poweshiek County								
	7.13	Paved	24	24	34	25	83	83	7
	7.13*								
North of Fertile to Jct Ia 9	Worth County								
	.06	Paved	20	25	33	29	87	87	4
	.06*								
US 69 to WCL of Elkhart	Polk County								
	3.56	Mix. Bit.	22	12	28	27	67	67	5
	3.56*								
North Madison to Urban Area Line Urban Area Line to Jct Ia 16	Lee County								
	.21	Paved	24	15	32	27	74	74	6
	7.24	Paved	22	20	35	24	79	79	7
	7.45*								
US 41 to SCL Woodward	Dallas County								
	1.00	Paved	20	30	28	27	75	75	9

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956 Traffic
				Structural Adequacy	Safety	Service	Total Basic		
Boone County									
Co Line to WCL Madrid	4.97 5.97*	Paved	22	25	31	30	86	86	935
Dallas County									
6 to SCL Redfield	4.76	Paved	18	20	13	14	47	47	1686
field to WCL Adel	8.76	Paved	18	20	16	16	52	52	2024
1 to WCL Waukee	6.30	Paved	18	18	22	19	59	59	3942
aukee to Polk Co Line	3.00	Paved	18	18	21	19	58	58	4137
Polk County									
Co Line to Urban Area Line	3.10	Paved	20	15	25	21	61	61	4265
rea Line to Sec 6-79-25W	1.94	Paved	20	15	22	18	55	55	4929
9-25W to Begin 44 Ft Sec	.65	Paved	20	15	23	17	55	55	4700
4 Ft Sec to WCL of Des Moines	.05 28.56*	Paved	44	25	39	34	98	98	4700
Kossuth County									
ard to Jct US 169	3.96 3.96*	Bit. S.T.	24	23	37	28	88	88	245
Pottawattamie County									
75 to WCL Treynor	10.61	Paved	24	24	37	30	91	91	3400
rnor to Int US 59	10.26	Paved	24	24	38	31	93	93	3070
9 to Begin Wide Sect	.60	Paved	24	25	40	34	93	93	850
e Sect to Begin Wide Sect	.83	Paved	24	25	40	34	99	99	850
de Sect to End Wide Sect	.67	Paved	34	25	37	34	96	96	850
e Sect to Begin Wide Sect	1.52	Paved	24	25	36	30	91	91	850
de Sect to End Wide Sect	1.15	Paved	34	25	36	30	91	91	850
e Sect to Begin Wide Sect	3.67	Paved	24	25	37	31	93	93	850



Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956 Traffic
				Structural Adequacy	Safety	Service	Total Basic		
Pottawattamie County (cont.)									
Wide Sect to End Wide Sect	1.01	Paved	34	25	36	29	90	90	850
Wide Sect to Begin Wide Sect	.77	Paved	24	25	31	33	89	89	850
Wide Sect to End Wide Sect	.71	Paved	34	25	37	29	91	91	850
Wide Sect to Begin Wide Sect	.26	Paved	24	25	40	35	100	100	850
Wide Sect to End Wide Sect	.86	Paved	34	25	38	31	94	94	850
Wide Sect to Cass Co Line	.94	Paved	24	25	40	35	100	100	850
Cass County									
Pottawattamie Co Line to WCL Griswold	.54	Paved	24	25	40	35	100	100	1020
Griswold to Jct US 71	7.74	Paved	24	23	37	29	89	89	395
US 71 to N Jct US 71	1.97	Paved	18	18	13	19	50	50	1580
US 71 to Jct Ia 176	5.83	Paved	22	23	29	27	79	79	1410
176 to Jct Ia 254	5.42	Paved	22	23	32	28	83	83	1400
254 to Int Ia 148	.58	Paved	22	23	35	25	83	83	1610
148 to Adair Co Line	2.99	Paved	22	23	30	25	78	78	1415
Adair County									
Adair Co Line to Jct Ia 189	1.67	Paved	22	23	27	26	76	76	1350
189 to WCL of Fontanelle	5.84	Paved	22	23	34	27	84	84	1405
Fontanelle to WCL of Greenfield	4.15	Paved	18	14	19	16	49	49	1850
Greenfield to Madison Co Line	11.58	Paved	18	17	16	16	49	49	1675
Madison County									
Adair Co Line to Jct Ia 162	10.11	Paved	18	17	18	19	54	54	1570
162 to WCL of Winterset	1.62	Paved	18	17	20	17	54	54	1950
Winterset to Begin Winding Sect	3.13	Paved	24	20	34	29	83	83	2345
Winding Sect to ECL Patterson	4.17	Paved	24	20	31	26	77	77	1910
ECL Patterson to NCL Patterson	.15	Paved	24	20	29	25	75	75	2570

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956
				Structural Adequacy	Safety	Service	Total Basic		
Madison County (cont)									
Patterson to Jct Old Ia 251	4.14	Paved	24	19	35	32	86	86	22
Ia 251 to WCL Bevington	.57	Paved	24	19	36	29	84	84	25
Warren County									
Bevington to WCL Martensdale	2.07	Paved	24	18	36	34	88	88	25
Martensdale to WCL Indianola	8.62	Paved	24	23	31	30	84	84	15
Indianola to WCL Ackworth	3.21	Paved	24	Programed			70	70	19
Ackworth to WCL Sandyville	3.79	Paved	24	Programed			79	79	16
Sandyville to Marion Co Line	2.50	Paved	24	Programed			71	71	16
Marion County									
Marion Co Line to W Jct Ia 60	3.79	Paved	24	Programed			69	69	18
Jct Ia 60 to End Asph Sect	6.41	Paved	24	Programed			75	75	39
Asph Sect to WCL Knoxville	1.63	Paved	24	Programed			72	72	40
Knoxville to Jct Ia 310	8.23	Paved	18	14	17	17	48	48	25
Ia 310 to Jct Ia 365	3.14	Paved	18	14	16	15	45	45	21
Ia 365 to Mahaska Co Line	.25	Paved	18	14	21	15	50	50	21
Mahaska County									
Marion Co Line to Sec 22-75-16W	9.50	Paved	18	13	15	16	44	44	24
22-75-16W to WCL of Oskaloosa	1.70	Paved	24	22	36	31	89	89	25
Oskaloosa to Jct Ia 371	3.54	Paved	24	Programed			69	69	26
Ia 371 to WCL Rose Hill	5.21	Paved	24	Programed			62	62	24
Rose Hill to Keokuk Co Line	2.80	Paved	24	Programed			66	66	20
Keokuk County									
Mahaska Co Line to Jct Ia 21	2.97	Paved	18	13	16	15	44	44	18
Ia 21 to Jct Ia 108	1.49	Paved	18	13	12	16	41	41	19







Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956
				Structural Adequacy	Safety	Service	Total Basic		
Lake Mills to Worth Co Line	Winnebago County 1.02	Paved	22	25	38	31	94	94	610
Winnebago Co Line to Jct Ia 379	Worth County 1.47	Paved	22	25	38	29	92	92	610
Ia 379 to WCL of Northwood	12.85	Paved	22	25	39	29	93	93	540
Northwood to Mitchell Co Line	9.43	Gravel	33	18	36	28	82	59	305
of Carpenter to WCL of St Ansgar	Mitchell County 5.28 30.05*	Gravel	43	17	36	25	78	53	355
W Cor Sec 27-96-22 to Begin 24 Ft Sect	Cerro Gordo County 2.21	Mix Bit.	25	10	34	17	61	61	1050
n 24 Ft Section to SCL Clear Lake	1.13	Bit Pen	25	22	34	20	76	76	1110
Clear Lake to Urban Area Line	4.99	Paved	18	21	22	21	64	64	2155
n Area Line to WCL Mason City	1.01	Paved	18	21	22	19	62	62	2255
Mason City to WCL Mason City	.25 9.59*	Paved	18	21	22	21	64	64	2400
Ia 3 to SCL of Alexander	Franklin County 3.00	Bit Pen	22	20	38	28	86	86	265
Alexander to Cerro Gordo Co Line	6.14	Paved	22	25	36	30	91	91	350
Meservey to WCL Thornton	Cerro Gordo County 5.25	Paved	24	Programed			90	90	490
of Thornton to SCL Clear Lake	12.07 26.46*	Paved	24	24	34	27	85	85	925

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956
				Structural Adequacy	Safety	Service	Total Basic		
of Delta to Jct Ia 92	Keckuk County .45 .45*	Paved	24	20	36	26	82	82	41
Oxford to Jct US 6	Johnson County .85 .85*	Paved	18	13	16	13	42	42	86
US 20 to SCL Schaller	Sac County 1.19	Paved	18	23	21	20	64	64	70
of Schuller to Buena Vista Co Line	3.94	Paved	24	18	39	29	86	86	71
Co Line to Begin Paved Section	Buena Vista County 8.09	Paved	24	17	40	31	88	88	96
n Paved Sec to WCL of Storm Lake	.16 13.38*	Paved	20	22	19	25	66	66	150
of Kanawha to SCL of Britt	Hancock County 10.06	Paved	18	22	22	22	66	66	70
of Britt to SCL of Crystal Lake	8.16	Paved	24	23	37	31	91	91	65
of Crystal Lake to SCL of Woden	5.54 23.76*	Paved	24	23	36	31	90	90	33
Volga to Jct Ia. 13	Clayton County 4.31 4.81*	Bit S.T.	24	16	32	24	72	72	24
to SCL Spragueville	Jackson County .75	Paved	22	18	33	25	76	76	41
Spragueville to ECL Springbrook	8.20	Gravel	26	6	24	16	46	31	14





Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956 Traffic
				Structural Adequacy	Safety	Service	Total Basic		
of Stanton to US 34	Montgomery County 1.86 1.86*	Paved	22	23	33	27	83	83	8
Ia 50 to Doliver St Park	Webster County .72 .72*	Paved	22	Programed			90	90	
of Davenport to Jct Ia 150	Scott County .87 .87*	Paved	18	11	13	15	39	39	120
rstate to Beg 34 Ft Sect	Polk County .85	Paved	24	25	40	33	98	98	60
34 Ft Sect to Beg 24 Ft Sect	.19	Paved	34	25	30	29	84	84	60
24 Ft Sect to Beg 34 Ft Sect	.36	Paved	24	25	40	35	100	100	60
34 Ft Sect to Beg 24 Ft Sect	.44	Paved	34	25	36	30	91	91	60
24 Ft Sect to Beg Divid Sect	2.86	Paved	24	25	39	34	98	98	60
Divid Sect to Jct Ia 28	.05	Paved	48	25	40	35	100	100	60
Ia 28 to SCL Des Moines	1.50 6.25*	Paved	48	23	38	31	92	92	810
Ia 17 to Twin Lakes State Park	Calhoun County 2.57 2.57*	Paved	22	25	31	16	72	72	25
Salem to Jct US 218	Henry County 2.81 2.81*	Bit.Pen	24	12	34	26	72	72	40

Sufficiency Rating By Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956 Traffic							
				Structural Adequacy	Safety	Service	Total Basic									
S 6 to SCL of Mitchellville	Polk County 1.11	Paved	20	13	28	27	68	68	67							
	1.11*															
S 75 to WCL Magnolia Magnolia to NCL Logan	Harrison County 3.52	Bit S.T.	24	15	31	26	72	72	73							
	5.71									24	15	28	25	68	68	66
	9.23*															
a 13 to Jct US 52	Clayton County 7.18	Paved	18	17	20	16	53	53	53							
	7.18*															
ome to Jct US 34	Henry County .21*	Paved	22	Programed			90	90	21							
	.21*															
keta Cave St Park to Jct US 61	Jackson County 7.00	Gravel	26	8	32	18	58	33	36							
	7.00*															
f Belle Plaine to Beg 24 Ft Conc 24 Ft Conc Sec to Jct US 30	Benton County 4.88	Paved	18	15	10	12	37	37	68							
	.15	Paved	24	22	40	35	97	97	58							
	5.03*															
nterstate 80 to WCL Urbandale	Polk County .80	Paved	24	25	40	30	95	95	407							
	.80*															

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956 Traffic
				Structural Adequacy	Safety	Service	Total Basic		
Henry County									
nd Mills St Park to Urban Area Line	3.12	Gravel	30	13	28	25	66	35	60
Area Line to SCL Mt Pleasant	.43	Gravel	30	13	27	25	65	34	60
	3.55*								
Franklin County									
S 65 to WCL of Geneva	3.50	Paved	24	23	35	29	87	87	38
	3.50*								
Tama County									
f Montour to Jct US 30	1.43	Gravel	27	14	28	25	67	50	16
	1.43*								
Clinton County									
linton to ECL Goose Lake	12.56	Paved	18	10	15	11	36	36	1100
oose Lake to ECL Charlotte	3.73	Paved	18	10	19	13	42	42	690
harlotte to ECL Delmar	8.05	Paved	18	12	22	13	47	47	415
elmar to Int US 61	2.49	Paved	18	12	21	21	54	54	815
S 61 to ECL Lost Nation	8.67	Paved	24	19	34	29	82	82	710
ost Nation to Jones Co Line	3.75	Bit S.T.	24	14	36	29	79	79	450
Jones County									
on Co Line to ECL of Oxford Jct	2.78	Bit S.T.	24	14	38	30	82	82	480
f Oxford Jct to ECL of Wyoming	6.48	Bit.Pen	24	13	37	28	78	78	535
oming to SCL Onslow	2.76	Paved	22	17	29	26	72	72	530
f Onslow to Sec 6-85-1W	6.61	Gravel	30	14	28	27	69	50	240
.85-1W to Begin Bit Sec	7.50	Gravel	30	10	34	27	71	52	215
Bit Sec to Dubuque Co Line	.15	Bit S.T.	22	13	38	31	82	82	260



Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956 Traffic
				Structural Adequacy	Safety	Service	Total Basic		
Woodbury County									
US 75 to WCL Hornick	6.73	Paved	24	Programmed			90	90	40
Hornick to Int Old Ia 141	3.09	Gravel	36	21	40	32	93	76	15
Old Ia 141 to Sec 15-87-45	7.26	Gravel	32	19	28	19	66	47	20
15-87-45 to Int US 20	8.80	Gravel	36	20	33	29	82	67	39
US 20 to SCL of Merville	.59	Paved	20	19	26	27	72	72	130
of Merville to Jct Ia 243	4.31	Paved	20	24	24	26	74	74	68
Ia 243 to Plymouth Co Line	1.21	Paved	20	24	33	30	87	87	55
Plymouth County									
Plymouth Co Line to WCL of Kingsley	2.33	Paved	20	25	31	26	82	82	55
of Kingsley to Jct Ia 3	15.17	Gravel	36	16	38	28	82	61	26
	42.76*								
Woodbury County									
Sioux City to Beg New Pavement	6.57	Paved	24	19	32	20	71	71	123
ew Pave to End New Pave	.61	Paved	24	19	37	34	90	90	123
ew Pave to Int Ia 140	11.27	Paved	18	19	11	9	39	39	123
Ia 140 to WCL Smithland	10.04	Paved	18	21	16	11	48	48	123
of Smithland to Monona Co Line	1.75	Paved	24	21	34	29	84	84	148
Monona County									
Plymouth Co Line to Beg New 24 Ft	4.01	Paved	24	19	32	27	78	78	137
ew 24 Ft Sect to WCL Mapleton	1.90	Paved	24	Programmed			90	90	137
of Mapleton to WCL of Ute	10.01	Paved	24	18	32	14	64	64	104
te to Begin New Pave	1.34	Paved	24	18	31	26	75	75	86
ew Pave to End New Pave	.10	Paved	24	18	40	35	93	93	86
ew Pave to Crawford Co Line	.07	Paved	24	18	27	26	71	71	86

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956
				Structural Adequacy	Safety	Service	Total Basic		
Crawford County									
ona Co Line to WCL Charter Oak	4.14	Paved	24	18	38	31	87	87	8
Charter Oak to N Jct US 59	10.10	Paved	24	18	33	26	77	77	12
st US 59 to WCL Denison	1.51	Paved	24	19	31	26	76	76	23
Denison to S Jct US 59	6.80	Paved	24	Programmed			74	74	13
st US 59 to Jct Ia 45	6.16	Paved	20	20	23	20	63	63	8
Ia 45 to Carroll Co Line	7.14	Paved	20	20	23	21	64	64	9
Carroll County									
wford Co Line to WCL of Manning	.77	Paved	20	18	24	18	60	60	12
of Manning to W Jct US 71	6.35	Paved	18	18	17	17	52	52	10
st US 71 to E Jct US 71	2.60	Paved	24	18	29	25	72	72	15
st US 71 to W Jct Ia 161	2.56	Paved	22	18	30	26	74	74	7
st Ia 161 to WCL of Dedham	.40	Paved	22	24	38	27	89	89	5
of Dedham to E Jct Ia 161	.53	Paved	22	24	35	25	84	84	5
Ia 161 to Reloc Ia 141	6.42	Paved	22	24	36	25	85	85	6
ocation Ia 141 to WCL Coon Rapids	1.17	Paved	22	25	39	34	98	98	4
Guthrie County									
oll Co Line to WCL Bayard	6.09	Paved	22	25	36	31	92	92	6
Ia 361 to W Jct Ia 25	.24	Paved	22	17	35	26	78	78	7
t Ia 25 to E Jct Ia 25	2.92	Paved	22	25	37	29	91	91	9
t Ia 25 to WCL of Bagley	3.21	Paved	22	25	37	31	93	93	9
of Bagley to N Jct Ia 17	3.32	Paved	22	25	32	29	86	86	10
t Ia 17 to S Jct Ia 17	.23	Paved	22	25	36	32	93	93	12
t Ia 17 to Jct Ia 342	3.42	Paved	22	25	35	29	89	89	12
Ia 342 to Dallas Co Line	1.49	Paved	22	25	34	30	89	89	14
rie Co Line to Jct Ia 335	3.01	Paved	22	25	28	30	83	83	14

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating			Total Basic	Basic Rating Adj. for Gravel Surface	1956
				Structural Adequacy	Safety	Service			
Dallas County									
a 335 to End Conc Paving	5.05	Paved	20	20	27	24	71	71	192
one Paving to WCL Perry	.10	Bit S.T.	20	12	28	26	66	66	228
erry to Int 169	3.09	Paved	24	17	35	32	84	84	264
S 169 to Jct Ia 89	5.47	Paved	20	23	22	13	58	58	90
to WCL Granger	7.46	Paved	24	25	35	31	91	91	40
ranger to Polk Co Line	.26	Gravel	33	17	37	31	85	56	48
Polk County									
Ia 60 to N Jct Ia 64	6.25	Paved	24	Programed			90	90	1150
Ia 64 to W Jct Int 35	2.50	Paved	24	Programed			90	90	4520
Int 35 to E Jct Int 35	3.50								
Int 35 to NCL Des Moines	1.00	Paved	24	Programed			90	90	3700
	149.17*								
Davis County									
Line to Appanoose Co Line	2.40	Paved	22	Programed			90	90	200
Appanoose County									
Co Line to SCL Moulton	4.75	Paved	22	Programed			90	90	300
f Moulton to Jct Ia 2	2.28	Paved	24	24	37	28	89	89	660
	9.43*								
Cherokee County									
ary Co Line to Int Ia 3	16.99	Gravel	34	16	36	29	81	64	190
a 3 to SCL of Marcus	1.12	Paved	18	21	19	22	62	62	915
arcus to O'Brien Co Line	5.74	Paved	22	Programed			90	90	330
kee Co Line to Jct Ia 10	5.00	Paved	22	Programed			90	90	190
	28.85*								

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956
				Structural Adequacy	Safety	Service	Total Basic		
Perry to Boone Co Line	Dallas County .45	Bit S.T.	24	18	34	25	77	77	16
Dallas Co Line to Greene Co Line	Boone County 4.91	Bit S.T.	24	19	35	24	78	78	10
Boone Co Line to SCL of Rippey	Greene County 2.58	Bit S.T.	24	18	33	26	77	77	9
SCL of Rippey to S Jct US 30	6.41	Bit Pen	24	18	34	27	79	79	9
S Jct US 30 to SCL Grand Junction	.44	Paved	18	20	20	13	50	58	35
SCL Grand Junction to SCL of Dana	4.16	Bit Pen	22	20	35	27	82	82	5
SCL of Dana to Jct Ia 397	3.83	Paved	22	25	35	33	93	93	4
Jct Ia 397 to Webster Co Line	3.01	Paved	22	25	35	32	92	92	32
Webster Co Line to Jct Ia 175	Webster County 4.00 29.79*	Paved	22	25	36	33	94	94	3
Jct Ia 175 to Jct US 275	Fremont County 3.81 3.81*	Mix Bit	22	15	35	21	70	70	3
Jct US 275 to New Sharon to Poweshiek Co Line	Mahaska County 2.22	Paved	24	Programed			90	90	5
New Sharon to SCL Searsboro	Poweshiek County 6.90	Paved	24	Programed			90	90	4
SCL Searsboro to Urban Area Line	9.84	Paved	24	Programed			90	90	5
Urban Area Line to SCL Grinnell	.50	Paved	24	Programed			90	90	10
SCL Grinnell to Urban Area Line	.51	Paved	24	23	38	34	95	95	17
Urban Area Line to Tama Co Line	7.02	Paved	24	23	31	30	84	84	7





Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956
				Structural Adequacy	Safety	Service	Total Basic		
Keokuk County									
US 63 to WCL Hedrick	4.95	Paved	18	15	19	19	53	53	1350
of Hedrick to WCL of Martinsburg	2.06	Paved	18	15	19	17	51	51	2290
of Martinsburg to Jct Ia 78	1.57	Paved	18	15	23	20	58	58	1510
Ia 78 to Jct Ia 180	6.37	Paved	18	14	19	17	50	50	875
Ia 180 to SCL of Sigourney	3.96	Paved	18	13	20	18	51	51	1300
Sigourney to E Jct Ia 92	.46	Paved	18	13	14	22	49	49	2930
Ia 92 to SCL of Webster	7.21	Paved	18	13	16	17	46	46	945
Webster to SCL South English	3.57	Paved	18	15	16	18	49	49	1155
of So English to Iowa Co Line	4.04	Paved	18	14	16	18	48	48	1260
Iowa County									
Iowa Co Line to WCL of No English	.05	Paved	18	16	23	23	62	62	1260
of No English to WCL of Parnell	7.79	Paved	18	16	14	17	47	47	1380
of Parnell to SCL of Williamsburg	4.73	Paved	18	16	17	17	50	50	1290
of Williamsburg to Jct Ia 209	4.46	Paved	18	13	18	17	48	48	1330
Ia 209 to W Jct US 6	3.77	Paved	18	13	17	19	49	49	1275
US 6 to Int Ia 220	1.99	Paved	24	17	32	30	79	79	4060
Ia 220 to Sec 5-80-9W	3.06	Paved	24	19	38	33	90	90	3680
Sec 5-80-9W to E Jct Ia 149	1.77	Paved	24	17	30	28	75	75	3300
US 6 to Int Ia 220	3.19	Paved	18	16	13	21	50	50	2250
Ia 220 to Benton Co Line	4.20	Paved	18	16	15	17	48	48	2190
Benton County									
County Line to WCL Walford	2.66	Paved	18	17	21	13	51	51	1955
Linn County									
Iowa Co Line to SCL of Fairfax	3.17	Paved	18	17	20	20	57	57	2280
of Fairfax to Urban Area Line	4.10	Paved	18	17	17	20	54	54	3275

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Cravel Surface	1956
				Structural Adequacy	Safety	Service	Total Basic		
Linn County (cont)									
n Area Line to Int US 30	.80	Paved	18	17	16	18	51	51	39
US 30 to WCL Cedar Rapids	.13	Paved	24	25	21	22	68	68	68
	80.06*								
Scott County									
Davenport to Jct Ia 122	1.33	Paved	24	Programed			66	66	13
Ia 122 to Beg Conc Sect	4.31	Paved	24	Programed			73	73	21
n Conc Sect to ECL of Maysville	2.65	Paved	18	10	15	11	36	36	19
Maysville to ECL Plainview	3.09	Paved	18	10	18	12	40	40	17
of Plainview to ECL of New Liberty	5.57	Paved	18	10	15	10	35	35	14
of New Liberty to Cedar Co Line	1.29	Paved	18	10	21	7	38	38	12
Cedar County									
t Co Line to ECL Bennett	4.18	Paved	20	21	28	24	73	73	15
Bennett to ECL Tipton	9.32	Paved	20	21	27	21	69	69	18
Tipton to N Jct Ia 38	7.66	Paved	18	10	19	15	44	44	22
t US 30 to Beg Conc Sect	.96	Paved	24	17	40	33	90	90	32
onc Sect to N Jct Ia 38	.06	Paved	24	17	40	33	90	90	32
t Ia 38 to Beg Asph Conc Sect	.15	Paved	24	17	40	34	91	91	41
Asph Conc Sect to Beg Conc Sect	.08	Paved	24	17	39	31	87	87	40
onc Sect to Beg Asph Conc Sect	.17	Paved	24	20	40	35	95	95	41
Asph Conc to End Conc Sec	.77	Paved	24	18	32	30	80	80	41
onc Sec to End Asph Conc Sec	.17	Paved	24	20	36	32	88	88	41
Asph Conc to End Conc Sec	.61	Paved	24	18	33	34	85	85	41
onc Sec to End Asph Conc Sec	.36	Paved	24	20	39	30	89	89	41
Asph Conc Sec to ECL Mechanicsville	2.78	Paved	24	18	37	31	86	86	41
Mechanicsville to Linn Co Line	5.36	Paved	24	19	39	31	89	89	44

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating			Total Basic	Basic Rating Adj. for Gravel Surface	1956 Traffic
				Structural Adequacy	Safety	Service			
Linn County									
Co Line to ECL Lisbon	.82	Paved	24	19	40	29	88	88	428
Lisbon to W Jct US 30	.25	Paved	24	19	32	27	78	78	405
W Jct US 30 to Vernon	5.07	Paved	18	15	13	17	45	45	191
Vernon to Jct Old US 30	5.66	Paved	24	Programmed			90	90	48
Old US 30 to ECL Marion	.45	Paved	24	18	32	31	81	81	394
ECL Marion to Urban Area Line	11.16	Paved	24	18	31	32	81	81	288
Urban Area Line to SCL Center Point	5.60	Paved	24	13	29	30	72	72	189
SCL Center Point to SCL Walker	2.23	Paved	24	13	34	30	77	77	190
Benton County									
Co Line to Jct 101	3.13	Paved	24	13	29	33	75	75	189
Jct 101 to Buchanan Co Line	.81	Paved	24	13	36	31	80	80	219
Buchanan County									
Co Line to Jct Ia 283	1.00	Paved	22	18	29	29	76	76	223
Jct Ia 283 to Jct Ia 336	3.99	Paved	22	19	25	27	71	71	221
Jct Ia 336 to SCL of Independence	6.27	Paved	22	19	29	28	76	76	285
SCL of Independence to Sec 34-90-9W	6.92	Paved	24	15	30	24	69	69	207
Sec 34-90-9W to SCL Hazelton	2.84	Paved	24	16	32	25	73	73	192
SCL Hazelton to Jct 190	1.22	Paved	24	16	33	27	76	76	284
Fayette County									
Jct 190 to SCL Oelwein	1.32	Paved	24	25	34	23	82	82	344
SCL Oelwein to Jct Ia 3 & Ia 150	.21	Paved	18	21	19	20	60	60	162
Jct Ia 150 to End 49 Ft Sec	.03	Paved	49	25	40	34	99	99	344
End 49 Ft Sec to N Jct Ia 3	1.61	Paved	24	18	26	26	70	70	344
N Jct Ia 3 to Jct Ia 295	4.60	Paved	18	17	17	11	45	45	158
Jct Ia 295 to WCL Maynard	.67	Paved	18	17	20	20	57	57	176
WCL Maynard to Jct Ia 154	3.29	Paved	18	Programmed			47	47	152



Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956 Traffic
				Structural Adequacy	Safety	Service	Total Basic		
North Liberty to Jct 218	Johnson County	Paved	18	7	27	19	53	53	325
	.81 .81*								
a 150 to Arlington gton to Jct Ia 3	Fayette County	Paved	22	25	28	23	76	76	575
	4.05								
	11.70*								
odaway to Jct US 34	Adams County	Paved	22	25	34	29	88	88	190
	4.18 4.18*								
to WCL of Bussey	Marion County	Paved	22	19	30	23	72	72	235
	4.76 4.76*								
s 63 to WCL Lime Springs	Howard County	Paved	18	22	26	18	66	66	440
	.74 .74*								
a 60 to WCL Carlisle	Warren County	Mix Bit	22	12	34	30	76	76	675
	.05 .05*								
92 to SCL of Harper	Keokuk County	Bit S.T.	24	14	39	30	83	83	445
	1.82 1.82*								

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road Systems

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956
				Structural Adequacy	Safety	Service	Total Basic		
Ia 60 to Jct US 69	Polk County	Paved	22	22	34	28	84	84	234
	1.30								
	1.30*								
t Ia 141 to WCL of Dedham of Dedham to S Jct Ia 141	Carroll County	Paved	18	15	22	21	58	58	38
	.36								
	.12								
	.48*		20	18	30	19	67	67	44
el State Park to Jct Ia 92	Madison County	Bit S.T.	24	13	33	20	66	66	15
	2.71								
	2.71*								
Des Moines to Jct Ia 316 Ia 316 to Jasper Co Line	Polk County	Paved	24	Programed	Programed		71	71	247
	7.88								
	2.52		24				69	69	186
Co Line to WCL Prairie City Prairie City to WCL Monroe Monroe to Marion Co Line	Jasper County	Paved	24	22	33	27	82	82	195
	4.50								
	8.16								
	.88		24	22	37	33	92	92	151
er Co Line to Beg 24 Ft New Con Sec Conc Sect to Beg Asph Sect n Old Conc Sect to WCL Pella Pella to Mahaska Co Line	Marion County	Paved	24	21	34	31	86	86	154
	8.16								
	1.78								
	1.08								
	1.83								
			24	18	35	30	83	83	172
on Co Line to Beg Con Sect	Mahaska County	Paved	24	18	37	30	85	85	166
	.85								

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956 Traffic
				Structural Adequacy	Safety	Service	Total Basic		
Mahaska County (cont)									
one Sect to End Conc Sect	2.58	Paved	24	24	35	22	81	81	1660
one Sect to Beg New Sect	8.05	Paved	24	18	36	26	80	80	1715
ew Sect to Jct Ia 92	.72	Paved	24	18	37	29	84	84	1715
	48.99*								
Boone County									
s St Park to Relocation US 30	4.40	Gravel	24	7	27	20	54	29	360
S 30 to SCL of Boone	.75	Gravel	24	7	25	14	46	21	400
	5.15*								
Lyon County									
f Doon to Jct US 75	2.69	Paved	18	21	27	23	71	71	380
	2.69*								
Pottawattamie County									
a 64 to Beg Old Sect	1.45	Paved	22	25	35	31	91	91	395
ld Sect to End Old Sect	.35	Mix Bit.	22	13	38	27	78	78	395
ld Sect to Shelby Co Line	.36	Paved	22	25	38	27	90	90	395
Shelby County									
attamie Co Line to SCL Shelby	.50	Paved	22	25	36	29	90	90	445
	2.66*								
Ringgold County									
ri St Line to SCL Redding	1.98	Paved	24	25	28	27	80	80	540
dding to Jct Ia 2	11.76	Paved	24	25	35	26	86	86	510
Ia 2 to WCL of Mt Ayr	1.13	Paved	20	24	23	22	69	69	1830
Mt Ayr to E Jct Ia 2	.55	Paved	20	24	19	18	61	61	1950
Ia 2 to Jct Ia 344	2.02	Paved	20	21	24	21	66	66	1000



Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956 Traffic
				Structural Adequacy	Safety	Service	Total Basic		
Ringgold County (cont)									
344 to Jct Ia 259	7.87	Paved	20	21	27	22	70	70	815
259 to Union Co Line	2.99	Paved	20	21	27	21	69	69	830
Union County									
ld Co Line to SCL of Arispe	3.23	Paved	18	18	18	18	54	54	790
Arispe to SCL of Afton	4.93	Paved	18	18	12	17	47	47	1070
ton to E Jct US 34	5.50	Paved	18	18	13	18	49	49	2170
US 34 to SCL of Lorimor	7.18	Paved	18	17	18	16	51	51	1135
Lorimor to Madison Co Line	1.80	Paved	18	16	17	17	50	50	1140
Madison County									
Co Line to Jct Ia 70	3.88	Paved	18	18	17	16	51	51	1190
70 to Jct Ia 307	2.77	Paved	18	15	16	15	46	46	1275
307 to Begin Asph Conc	2.08	Paved	18	15	16	15	46	46	1435
Asph Conc To SCL Winterset	3.87	Paved	18	18	14	12	44	44	1860
Winterset to N Jct 92	.18	Paved	20	18	28	23	69	69	1560
Ia 92 to End Asph Conc Sec	4.55	Paved	20	18	24	20	62	62	1775
ph Conc Sec to Dallas Co Line	6.51	Paved	20	22	24	21	67	67	1685
Dallas County									
n Co Line to Int US 6	.99	Paved	20	23	27	24	74	74	1610
6 to SCL Adel	6.50	Paved	22	25	32	26	83	83	1500
el to Int Ia 64	4.70	Paved	24	24	34	29	87	87	3125
64 to SCL Minburn	4.55	Paved	24	24	34	30	88	88	3400
mburn to Int Ia 141	5.01	Paved	24	24	35	33	92	92	3225
141 to Boone Co Line	2.25	Paved	20	21	27	23	71	71	1770
Boone County									
Co Line to SCL of Ogden	11.50	Paved	20	23	24	26	73	73	1690
Ogden to E Jct US 30	.42	Paved	20	23	29	27	79	79	980

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956 Traffic
				Structural Adequacy	Safety	Service	Total Basic		
Boone County (cont)									
US 30 to W Jct US 30	2.93	Paved	24	23	39	33	95	95	3965
US 30 to Jct Ia 329	9.09	Paved	24	20	35	33	88	88	820
Boxholm to Webster Co Line	1.91	Paved	24	20	35	31	86	86	1670
Webster County									
Co Line to E Jct Ia 175	3.90	Paved	24	18	32	32	82	82	1545
Ia 175 to W Jct Ia 175	4.20	Paved	24	18	35	31	84	84	1940
Ia 175 to Int Ia 50	6.80	Paved	24	18	37	32	87	87	1960
50 to Urban Area Line	7.71	Paved	24	18	35	31	84	84	2620
Area Line to Jct US 20	.92	Paved	24	18	35	27	80	80	3870
20 to Int Ia 5	2.00	Paved	24	Programed			90	90	3300
5 to Jct Ia 320	7.50	Paved	24	Programed			90	90	2880
320 to Humboldt Co Line	2.00	Paved	18	Programed			83	83	2815
Humboldt County									
Co Line to Cutoff to Ia 3	4.76	Paved	24	Programed			83	83	3065
to Ia 3 to SCL Humboldt	.38	Paved	24	Programed			80	80	3120
Humboldt to Jct Ia 367	1.49	Paved	20	21	25	24	70	70	3080
367 to Int Ia 222	7.09	Paved	20	21	24	24	69	69	2680
222 to Kossuth Co Line	3.10	Paved	20	21	22	21	64	64	2040
Kossuth County									
Co Line to Beg 24 Ft Sect	6.37	Paved	20	21	22	25	68	68	1915
24 Ft Sect to Jct Ia 274	2.55	Paved	24	21	31	30	82	82	2045
274 to SCL Algona	1.29	Paved	24	21	32	32	85	85	3460
Algona to Int US 18	.27	Paved	45	25	39	29	93	93	3390
18 to W $\frac{1}{4}$ Cor Sec 24-97-28W	8.33	Paved	24	19	34	31	84	84	1855
Sec 24-97-28W to SCL Bancroft	6.65	Paved	24	Programed			78	78	1855
Bancroft to W Jct Ia 9	6.13	Paved	24	Programed			82	82	1485



Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956 Traffic
				Structural Adequacy	Safety	Service	Total Basic		
Monona County									
175 to WCL Onawa	6.19	Gravel	27	19	36	29	84	59	360
Onawa to WCL Turin	4.74	Paved	20	22	26	26	74	74	920
Turin to E Jct Ia 37	.39	Paved	22	18	26	32	76	76	840
Ia 37 to SCL Castana	4.13	Paved	22	22	38	32	92	92	630
Castana to WCL Mapleton	7.76	Paved	22	22	35	33	90	90	490
Mapleton to Woodbury Co Line	3.26	Paved	22	23	37	30	90	90	660
Woodbury County									
Co Line to WCL of Danbury	2.35	Paved	22	24	37	33	94	94	880
Danbury to Ida Co Line	3.29	Paved	22	24	39	32	95	95	440
Ida County									
Woodbury Co Line to SCL of Battle Creek	4.24	Paved	20	19	32	26	77	77	500
Battle Creek to W Jct US 59	5.47	Paved	20	23	29	25	77	77	1095
US 59 to WCL Ida Grove	.93	Paved	20	25	26	22	73	73	2380
Ida Grove to E Jct US 59	1.43	Paved	20	25	29	26	80	80	2000
US 59 to WCL of Arthur	4.51	Paved	20	20	28	21	69	69	1095
Arthur to Sac Co Line	1.35	Paved	20	20	29	26	75	75	1160
Sac County									
Co Line to WCL of Odebolt	3.04	Paved	20	23	27	22	72	72	1160
Odebolt to W Jct US 71	5.53	Paved	20	23	24	24	71	71	1655
US 71 to Jct Ia 36	2.80	Paved	20	22	23	23	68	68	1690
Ia 36 to WCL Lake View	1.46	Paved	20	22	25	23	70	70	1770
Lake View to Jct Ia 196	4.09	Paved	20	22	24	24	70	70	1465
Ia 196 to NCL Auburn	7.64	Paved	20	22	26	23	71	71	1480
Auburn to Calhoun Co Line	.99	Paved	20	23	24	25	72	72	1370



Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956 Traffic
				Structural Adequacy	Safety	Service	Total Basic		
92 to SCL of Cumberland	Cass County .52 .52*	Mix Bit.	22	12	31	24	67	67	625
9 to SCL W Mitchell	Mitchell County 2.30 2.30*	Paved	22	Programed			90	90	190
9 to SCL of Little Rock	Lyon County .63 .63*	Paved	18	21	21	22	64	64	614
69 to WCL of Klemme	Hancock County .59 .59*	Paved	18	22	20	24	66	66	855
Hayesville to Jct Ia 149	Keokuk County 2.08 2.08*	Bit Pen	22	13	36	26	75	75	301
Dallas to Jct Ia 60	Marion County 8.65 8.65*	Bit Pen	22	8	27	16	51	51	585
osing to SCL New Albin	Allamakee County 9.95	Bit S.T.	24	22	27	27	76	76	455
Albin to Minn State Line	.18 10.13*	Bit S.T.	24	23	36	32	91	91	400



Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956 Traffic
				Structural Adequacy	Safety	Service	Total Basic		
Butler County									
3 to SCL of Clarksville	2.02	Paved	18	22	19	19	60	60	545
Clarksville to End 30 Mix Bit	.21	Bit S.T.	30	25	36	31	92	92	300
Bit Sect to Bremer Co Line	10.40	Gravel	38	12	33	22	67	44	325
Bremer County									
Co Line to WCL of Plainfield	.73	Gravel	34	15	38	31	84	57	420
Plainfield to Jct US 63	9.99	Paved	24	21	31	21	73	73	640
	23.35*								
Adair County									
Edgewater to Jct Ia 92	.49	Mix Bit	22	13	34	31	78	78	490
	.49*								
Buchanan County									
Franklin to Fayette Co Line	6.88	Bit S.T.	24	16	30	30	76	76	840
Fayette County									
Franklin Co Line to Jct Ia 150	.08	Bit S.T.	24	16	36	33	85	85	700
	6.96*								
Pottawattamie County									
64 to Harrison Co Line	3.56	Paved	22	25	36	30	91	91	720
Harrison County									
Pottawattamie Co Line to SCL Persia	5.00	Paved	22	25	36	33	94	94	865
Persia to Shelby Co Line	1.53	Paved	22	25	36	31	92	92	950





Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956 Traffic
				Structural Adequacy	Safety	Service	Total Basic		
Harrison to Jct US 218	Benton County 2.43 2.43*	Paved	22	Programed			90	90	335
Van Horne to Jct US 218	Benton County 2.78 2.78*	Paved	22	Programed			90	90	230
US 30 to SCL Keystone	Benton County 2.16 2.16*	Paved	22	Programed			90	90	300
Norway to Jct US 30	Benton County 4.23 4.23*	Paved	22	Programed			90	90	310
US 218 to WCL Shellsburg	Benton County 7.85 7.85*	Paved	22	Programed			90	90	205
of Terrill to Jct Ia 9	Dickinson County 8.61 8.61*	Paved	24	18	40	28	86	86	355
Ia 2 to ECL Garden Grove	Decatur County 4.52 4.52*	Paved	22	Programed			90	90	225
US 65 to WCL Milo	Warren County 3.08	Paved	24	25	34	31	90	90	420

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating			Total Basic	Basic Rating Adj. for Gravel Surface	1956 Traffic
				Structural Adequacy	Safety	Service			
65 to WCL Lacona	Warren County 6.20 6.20*	Paved	22	Programed			90	90	275
Virginia to Jct US 69	Warren County 3.20 3.20*	Paved	22	25	40	30	95	95	320
Anchard to Int Ia 333 333 to SCL Coin In to Jct Ia 2	Page County 1.02	Gravel	30	14	37	32	83	62	300
	4.22	Gravel	29	14	32	32	78	61	195
	5.46	Gravel	33	13	35	26	74	51	320
	10.70*								
149 to Conroy Unincorp	Iowa County .66 .66*	Bit Pen	24	6	37	12	55	55	510
ter to Jct US 69 69 to Jct Ia 211 211 to SCL Maxwell	Story County 3.87	Paved	22	25	35	32	92	92	580
	3.57	Paved	22	25	32	34	91	91	495
	6.85	Paved	22	25	35	33	93	93	440
	14.29*								
210 to SCL Cambridge	Story County 1.00	Paved	22	25	35	32	92	92	490
	1.00*								
6 to SCL of Marengo	Iowa County .04	Paved	18	12	19	22	53	53	1355



Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956 Traffic
				Structural Adequacy	Safety	Service	Total Basic		
Carroll County									
Breda to Jct US 71	4.75 4.75*	Bit S.T.	24	19	37	28	84	84	485
Lee County									
i State Line to Urban Area Line	.13	Paved	18	13	22	15	50	50	3320
Area Line to WCL Keokuk	.03	Paved	18	13	12	15	40	40	3320
Keokuk to Beg Present Pave	4.00	Paved	24	Programed			90	90	3410
Present Pave to N Jct US 61	6.00	Paved	24	21	35	25	81	81	2940
US 61 to Begin 20 Ft Sec	.63	Paved	18	16	22	25	63	63	1220
20 Ft Sec to End 20 Ft Sec	.43	Paved	20	16	29	28	73	73	1220
20 Ft Sec to SCL of Donnellson	9.87	Paved	18	16	21	16	53	53	1525
Donnellson to Jct Ia 103	4.88	Paved	18	15	17	23	55	55	1835
103 to Int Ia 16	4.15	Paved	18	15	18	22	55	55	1500
16 to Henry Co Line	2.02	Paved	18	15	19	21	55	55	1520
Henry County									
Line to Begin Conc Sec	1.52	Paved	18	14	22	21	57	57	1590
Conc Sec to Jct Ia 125	.84	Paved	18	13	21	18	52	52	1585
125 to Urban Area Line	7.20	Paved	18	13	17	14	44	44	1920
Area Line to SCL Mt Pleasant	.47	Paved	18	13	13	15	41	41	1920
Pleasant to 24 Ft 7011 PCC	.13	Paved	18	14	21	20	55	55	2790
24 Ft 7011 PCC to Beg 24 Ft 7001 PCC	1.13	Paved	24	14	36	32	82	82	2790
24 Ft 7001 PCC to Beg 24 Ft 7011 PCC	.96	Paved	24	25	36	31	92	92	2790
24 Ft 7011 PCC to Beg 24 Ft 7001 PCC	1.62	Paved	24	14	26	30	70	70	2790
24 Ft 7001 PCC to Beg 24 Ft 7011 PCC	.56	Paved	24	25	36	30	91	91	2790
24 Ft 7011 PCC to Beg 24 Ft 7001 PCC	2.12	Paved	24	14	34	32	80	80	2790
24 Ft 7001 PCC to Beg 24 Ft 7011 PCC	.28	Paved	24	25	40	31	96	96	2790
24 Ft 7011 PCC to S Jct Ia 78	2.48	Paved	24	14	37	34	85	85	2790
Ia 78 to SCL Olds	.76	Paved	24	14	38	34	86	86	2740

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956
				Structural Adequacy	Safety	Service	Total Basic		
Henry County (cont)									
Ids to N Jct Ia 78	.26	Paved	24	14	38	28	80	80	2550
78 to Wash Co Line	1.46	Paved	24	14	34	31	79	79	1910
Washington County									
Co Line to SCL Crawfordsville	3.52	Paved	24	<del>Completed</del> Programmed			66	66	1840
rawfordsville to Int Ia 92	4.85	Paved	24	<del>Completed</del> Programmed			72	72	1830
a 92 to Int Ia 22	13.89	Paved	18	13	13	18	44	44	1575
a 22 to Johnson Co Line	1.49	Paved	18	13	18	18	49	49	1895
Johnson County									
Co Line to SCL of Ia City	8.99	Paved	18	15	15	20	50	50	2640
a City to ECL Coralville	.55	Paved	48	18	40	34	92	92	9240
oralville to W Jct US 6	1.42	Paved	24	17	26	27	70	70	6790
US 6 to Beg 34 Ft Sect	.16	Paved	24	24	40	35	99	99	2750
4 Ft Sect to End 34 Ft Sect	.85	Paved	34	24	37	27	88	88	2750
4 Ft Sect to Beg 43 Ft Sect	3.90	Paved	24	24	38	32	94	94	2450
3 Ft Sect to Jct Ia 153	.10	Paved	43	24	40	35	99	99	2450
a 153 to Linn Co Line	5.67	Paved	24	23	38	32	93	93	2855
Linn County									
on Co Line to Jct Ia 84	2.00	Paved	24	23	37	31	91	91	3010
a 84 to Jct US 30	2.50	Paved	22	20	32	28	80	80	4550
3 30 to SCL Cedar Rapids	.90	Paved	48	20	36	31	87	87	6530
edar Rapids to Jct Ia 149 US 151	.13	Paved	24	25	21	22	68	68	6820
a 149 to Sec 35-83-8W	1.91	Paved	24	Programmed			63	63	6725
5-83-8W to Benton Co Line	4.51	Paved	24	16	22	23	61	61	6780

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956 Traffic
				Structural Adequacy	Safety	Service	Total Basic		
Benton County									
Line to Jct Ia 279	1.02	Paved	24	22	24	22	68	68	6690
279 to Jct Ia 201	3.98	Paved	24	22	26	25	73	73	6340
201 to Jct Ia 280	2.00	Paved	24	22	27	25	74	74	6300
280 to W Jct US 30	3.00	Paved	24	22	29	27	78	78	6030
S 30 to Jct Ia 199	3.00	Paved	24	15	32	28	75	75	1910
199 to Jct Ia 202	7.00	Paved	24	15	30	29	74	74	2150
202 to Begin New Pave	1.46	Paved	24	15	31	32	78	78	2355
New Pave to End New Pave	.57	Paved	24	25	40	35	100	100	2355
New Pave to End by Pass	1.33	Paved	24	(Programed)			90	90	2355
Pass to Jct Ia 198	5.97	Paved	24	17	34	25	76	76	1980
198 to Jct Ia 8	2.93	Paved	24	16	32	28	76	76	1600
8 to Blackhawk Co Line	8.14	Paved	24	16	31	28	75	75	1445
Black Hawk County									
Co Line to SCL La Porte City	.25	Paved	24	16	39	34	89	89	1500
La Porte City to SCL of Waterloo	10.55	Paved	24	24	40	35	99	99	2820
ar Falls to S Jct Ia 58	.76	Paved	48	24	38	32	94	94	14400
ar Falls to SCL Janesville	6.80	Paved	24	17	35	29	81	81	3530
Bremers County									
esville to SCL Waverly	3.82	Paved	24	21	30	30	81	81	2660
erly to N Line Sec 4 81 14W	.11	Paved	24	25	40	35	100	100	2100
Sec 4 91 14W to SCL Plainfield	9.53	Paved	24	(Programed)			79	79	1945
infield to Chickasaw Co Line	4.00	Paved	24	(Programed)			83	83	1315
Chickasaw County									
o Line to SCL Nashua	2.40	Paved	24	(Programed)			90	90	2225
ua to Floyd Co Line	.64	Paved	24	(Programed)			90	90	2650





Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956 Traffic	
				Structural Adequacy	Safety	Service	Total Basic			
69 to WCL of Roland	Story County	Bit S.T.	24	22	33	30	85	85	675	
	5.58. 5.59*									
44 to NCL Bode Bode to Int US 169 169 to WCL of Livermore	Humboldt County	Paved	22	(Programed)			90	90	220	
	8.75			18	21	21	23	65	65	675
	3.07			18	21	20	19	60	60	700
	2.07 13.89*									
ter to Ia 14	Jasper County	Paved	22	25	33	29	87	87	450	
	4.81 4.81*									
5 to SCL of Kellogg	Jasper County	Paved	20	20	28	29	77	77	1100	
	.47 .47*									
y to WCL Lynnville ville to Poweshiek Co Line	Jasper County	Paved	24	(Programed)			90	90	530	
	2.74			22	(Programed)			90	90	250
o L to SCL Searsboro	Poweshiek County	Paved	22	(Programed)			90	90	305	
	2.85 6.60*									
8 to WCL Titonka	Kossuth County	Bit S.T.	24	20	35	31	86	86	340	
	10.60 10.60*									

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956
				Structural Adequacy	Safety	Service	Total Basic		
US 218 to SCL Stacyville	Mitchell County 5.45 5.45*	Paved	24	(programed)			90	90	5
of Walcott to Jct US 6	Scott County .51 .51*	Bit Pen	24	10	28	31	68	68	7
S 63 to ECL Garwin	Tama County 5.10 5.10*	Paved	22	25	35	29	89	89	2
S 75 to Begin 20 Ft Section 20 Ft Sec to SCL of Sioux City	Woodbury County 2.10 2.56 4.66*	Paved Paved	18 20	20 20	33 22	19 13	72 55	72 55	18 4
f Ireton to Jct Ia 10	Sioux County 1.54 1.54*	Bit S.T.	24	20	31	32	83	83	5
arlham to Dallas Co Line	Madison County .39	Paved	24	23	36	34	93	93	7
on Co line to Jct Ia 90	Dallas County .99 1.38*	Paved	24	25	34	31	90	90	7
lbion to Jct Ia 14	Marshall County 4.84 4.84*	Paved	22	(Programed)			90	90	2

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956 Traffic
				Structural Adequacy	Safety	Service	Total Basic		
64 to Jct Ia 235 235 to SCL of State Center	Marshall County								
	1.20	Paved	22	25	34	32	91	91	125
	5.67 6.87*	Gravel	28	10	27	26	63	38	390
des to Jct Ia 234	Marshall County								
	.52 .52*	Paved	22	25	27	23	75	75	250
141 to ECL of Templeton	Carroll County								
	1.14 1.14*	Paved	18	20	21	18	59	59	360
Ocheyedan to Jct Ia 9	Osceola County								
	1.08 1.08*	Paved	18	21	24	19	64	64	745
9 to SCL of Harris	Osceola County								
	.63 .63*	Paved	18	20	25	25	70	70	575
ie State Park to Jct Ia 2	Fremont County								
	.50 .50*	Bit S.T.	22	11	32	17	60	60	50
Royal to Jct US 71	Clay County								
	6.00 6.00*	Paved	20	21	30	21	72	72	675

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating			Total Basic	Basic Rating Adj. for Gravel Surface	1956
				Structural Adequacy	Safety	Service			
f Readlyn to Jct Ia 3	Bremer County .52 .52*	Bit Pen	22	10	33	31	74	74	75
S 34 to SCL Silver City	Mills County 5.53 5.53*	Paved	22	(Programed)			90	90	18
a 140 to WCL Pierson	Woodbury County 7.70 7.70*	Paved	22	23	33	29	85	85	25
Anderson to Jct US 59	Mills County 1.66 1.66*	Gravel	22	25	35	27	87	70	17
ience St Pk to Jct Ia 9	Emmet County 1.54 1.54*	Paved	22	(Programed)			90	90	7
wingle to WCL Lamotte	Jackson County 2.98 2.98*	Paved	24	19	34	24	77	77	25
Chelsea to Jct Ia 212	Tama County .03 .03	Paved	18	15	28	24	67	67	390
ndence St Hosp to Jct US 20	Buchanan County .56 .56*	Bit S.T.	24	14	40	31	85	85	58

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956 Traffic
				Structural Adequacy	Safety	Service	Basic Total		
78 to SCL Winfield	Henry County .11 .11*	Paved	22	19	39	34	92	92	46
okota to Jct Ia 9	Kossuth County .32 .32*	Paved	18	22	21	24	67	67	80
Charles to Warren Co L	Madison County .50	Paved	22	(Programed)			90	90	350
n Co L to Jct Inter 35	Warren County .50 1.00*	Paved	22	(Programed)			90	90	350
61 Ia 92 to ECL of Grandview	Louisa County .34 .34*	Bit S.T.	24	13	34	26	73	73	610
to WCL Williamson	Lucas County .64 .64*	Paved	22	20	34	26	80	80	240
Massena to Jct Ia 92	Cass County .07 .07*	Paved	22	23	36	33	92	92	710
Orchard to Jct US 218	Mitchell County 1.90 1.90*	Bit Pen	22	15	36	28	79	79	145



Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956
				Structural Adequacy	Safety	Service	Total Basic		
US 69 to WCL of Galt	Wright County 1.50 1.50*	Bit S.T.	24	18	36	21	75	75	1
of Coulter to Int Ia 3	Franklin County .44	Paved	18	20	20	22	62	62	2
Ia 3 to SCL of Latimer	.56 1.00*	Paved	18	20	24	21	65	65	2
of Linn Grove to Clay Co Line	Buena Vista County .76	Bit S.T.	24	19	32	28	79	79	3
a Vista to Co Line to Jct Ia 10	Clay County 1.00 1.76*	Bit S.T.	24	19	40	32	91	91	3
of Kent to Jct US 34	Union County 1.79 1.79*	Gravel	29	8	28	28	64	47	1
US 69 to WCL of Weldon	Decatur County 1.71 1.71*	Bit Pen	24	17	37	32	86	86	4
Ia 93 to ECL of Randalia	Fayette County 1.00 1.00*	Paved	24	22	35	30	87	87	22

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Stength of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956
				Structural Adequacy	Safety	Service	Total Basic		
US 59 to WCL of Irwin	Shelby County 5.73 5.73*	Paved	20	24	29	24	77	77	4
Ia 16 to SCL Stockport	Van Buren County 2.51 2.51*	Paved	24	(Programed)			90	90	4
Ia 16 to SCL Hillsboro	Henry County 1.64 1.64*	Paved	18	13	23	24	60	60	11
Ia 17 to WCL of Yale	Guthrie County .25 .25*	Paved	24	(Programed)			90	90	6
Elma to Jct US 63	Howard County 6.44 6.44*	Bit S.T.	24	22	32	28	82	82	3
Wapello to WCL Drakesville of Drakesville to Jct of US 63	Davis County 5.68 4.05 9.73*	Paved Paved	22 24	22 22	36 37	29 28	87 87	87 87	3 5
ose a Call St Park to Jct US 169	Kossuth County 2.04 2.04*	Gravel	26	13	34	17	64	49	







Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956
				Structural Adequacy	Safety	Service	Total Basic		
Quasqueton to Jct US 20	Buchanan County 4.64 4.64*	Paved	22	22	34	29	85	85	2
Brendon to Jct Ia 150	Buchanan County 5.54 5.54*	Paved	24	21	37	26	84	84	2
Aurora to Jct Ia 187	Buchanan County 5.42 5.42*	Paved	22	(Programed)			90	90	2
JS 30 to SCL of Arcadia	Carroll County .06 .06*	Paved	24	22	36	31	88	88	6
JS 30 to WCL Lanesboro	Carroll County 9.61 9.61*	Paved	24	(Programed)			90	90	2
Gilmore City to SCL Bradgate	Humboldt County 6.18 6.18*	Paved	22	(Programed)			90	90	1
JS 65 to WCL Plymouth	Cerro Gordo County 4.20 4.20*	Paved	22	(Programed)			90	90	2

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956
				Structural Adequacy	Safety	Service	Total Basic		
of Alta Vista to Jct US 63	Chickasaw County 5.50 5.50*	Bit S.T.	24	22	36	28	86	86	
Farmersburg to Jct Ia 13	Clayton County 1.52 1.52*	Bit S.T.	24	17	38	28	83	83	
US 30 to NCL Low Moor	Clinton County 1.76 1.76*	Paved	24	23	36	35	94	94	10
Linden to Jct Ia 64	Dallas County 2.78 2.78*	Paved	22	25	34	30	89	89	
0 to SCL Van Meter	Dallas County .94 .94*	Paved	22	25	34	25	84	84	
Ia 2 to Begin Bit Sec	Decatur County 6.33	Gravel	45	15	37	26	78	59	
n Bit Sec to ECL of Grand River	.06 6.39*	Bit S.T.	22	15	36	31	82	82	
Westgate to Jct Ia 150	Fayette County 4.72 4.72*	Paved	22	(Programed)			90	90	

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956 Traffic
				Structural Adequacy	Safety	Service	Total Basic		
Madena to Jct Ia 56	Fayette County 4.62 4.62*	Paved	22	(Programed)			90	90	21
Hilbertville to Jct US 20	Black Hawk County 3.75 3.75*	Paved	24	(Programed)			90	90	51
Ia 60 to WCL Kamar	Hamilton County 3.00 3.00*	Paved	22	(Programed)			90	90	11
of New Providence to Jct Ia 57	Hardin County 5.07 5.07*	Bit S.T.	24	15	34	28	77	77	42
US 30 to SCL Modale	Harrison County 5.00 5.00*	Gravel	32	7	37	23	67	44	34
US 75 to WCL Little Sioux	Harrison County .30 .30*	Bit Pen	24	11	36	27	74	74	65
of Thor to Jct Ia 3	Humboldt County 2.59 2.59*	Paved	18	21	28	27	76	76	39

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956
				Structural Adequacy	Safety	Service	Total Basic		
of Libertyville to Jct US 34	Jefferson County 3.17 3.17*	Bit Pen	24	12	31	27	70	70	5
Ca 78 to SCL of Ollie	Keokuk County 1.06 1.06*	Paved	22	(Programed)			90	90	3
L to SCL Letts	Louisa County 1.96 1.96*	Paved	22	18	37	20	75	75	2
IS 65 to WCL Derby	Lucas County .50 .50*	Paved	24	19	32	31	82	82	2
IS 169 to NCL East Peru	Madison County 4.53 4.53*	Paved	22	(Programed)			90	90	2
IS 63 to SCL of Barnes City	Mahaska County 6.70 6.70*	Gravel	30	11	29	20	60	43	1
f Beacon to WCL of Oskaloosa	Mahaska County .83 .83	Paved	18	18	16	9	43	43	14

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956
				Structural Adequacy	Safety	Service	Total Basic		
Ia 92 to WCL of Harvey	Marion County 1.60 1.60*	Gravel	28	11	32	17	60	33	
Liscomb to Jct Ia 14	Marshall County 4.96 4.96*	Paved	22	(Programed)			90	90	
Ia 9 to SCL of McIntire	Mitchell County 5.42 5.42*	Paved	24	25	35	30	90	90	
US 59 to WCL of Melvin	Osceola County 1.72 1.72*	Paved	18	20	21	23	64	64	
Aryshire to Jct US 18	Palo Alto County 5.92 5.92*	Paved	18	23	25	23	71	71	
Ia 17 to WCL Palmer	Pocahontas County 3.79 3.79*	Paved	22	21	36	34	91	91	
Runnells to Jct Ia 163	Polk County 7.09 7.09*	Paved	24	(Programed)			90	90	

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956
				Structural Adequacy	Safety	Service	Total Basic		
US 65 to WCL of Zearing	Story County .26 .26*	Paved	24	22	38	32	92	92	74
Clutier to Jct Ia 21	Tama County 5.20 5.20*	Paved	22	(Programed)			90	90	21
of Gravity to N Jct Ia 148	Taylor County .07	Paved	20	20	37	32	89	89	16
Ia 148 to S Jct Ia 148	.19	Mixed Bit	24	8	27	32	67	67	62
Ia 148 to W Jct Ia 49	3.63	Gravel	30	16	33	26	75	58	17
Ia 49 to E Jct Ia 49	1.53	Paved	22	25	29	25	79	79	27
Ia 49 to NCL Conway	1.45 6.87*	Paved	22	25	34	31	90	90	24
US 169 to Jct Old US 169	Webster County 2.00	Paved	18	20	20	17	57	57	54
Old US 169 to WCL Badger	1.49 3.49*	Bit S.T.	24	18	33	32	83	83	54
5 to WCL of Clare	Webster County 5.53 5.53*	Gravel	22	8	32	24	64	47	19
9 to Minn State Line	Winnebago County 7.91 7.91*	Paved	24	25	38	29	92	92	31



Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956 Traffic
				Structural Adequacy	Safety	Service	Total Basic		
60 to WCL of Woodstock	Wright County 3.33 3.33*	Paved	24	25	40	32	97	97	215
165 to Lewis Clarke St Park	Monona County .55 .55*	Gravel	26	21	35	30	86	71	50
Spillville to Jct US 52	Winneshiek County 3.59 3.59*	Paved	24	25	33	26	84	84	465
3 to SCL Bristow	Butler County 1.50 1.50*	Paved	22	25	38	29	92	92	205
Orleans to End of Ia 327	Dickinson County .57 .57*	Bit S.T.	24	15	36	24	75	75	490
20 to SCL of Galva	Ida County 2.01 2.01	Paved	18	24	27	23	74	74	345
169 to NCL Pilot Mound	Boone County 4.71 4.71*	Paved	22	(Programed)			90	90	260



Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956 Traffic
				Structural Adequacy	Safety	Service	Total Basic		
US 63 to SCL of Frederika	Bremer County 1.71 1.71*	Bit S.T.	24	25	30	16	71	71	31
Ia 141 to SCL Dawson	Dallas County .24 .24*	Paved	22	25	39	34	98	98	52
Ia 150 to WCL Rawley	Buchanan County 2.00 2.00*	Bit S.T.	22	10	34	27	71	71	54
Ia 9 to ECL Grafton	Worth County 2.94 2.94*	Paved	24	25	35	33	93	93	25
US 65 to SCL of Bondurant	Polk County .07 .07*	Paved	22	25	27	29	81	81	33
of George to Jct Iowa 9	Lyon County 5.57 5.57*	Paved	18	20	24	23	67	67	63
McGregor to Pikes Peak Park	Clayton County 1.93 1.93*	Paved	24	16	33	17	66	66	32
f Ruthven to End of Route Ia 341	Palo Alto County 1.54* 1.54*	Paved	20	23	31	25	79	79	61

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956 Traffic
				Structural Adequacy	Safety	Service	Total Basic		
Ia 141 to SCL Jamaica	Guthrie County .50 .50*	Paved	24	25	39	33	97	97	610
Ia 333 to SCL Northboro	Page County .61 .61*	Gravel	29	8	28	27	63	48	142
yr City Reservoir to Jct US 169	Ringgold County 1.07 1.07*	Gravel	37	17	36	25	78	63	60
Ia 17 to WCL of Graettinger	Palo Alto County .02 .02*	Paved	18	25	23	24	72	72	1140
of Nashua to End Bit Section	Chickasaw County 1.25	Bit S.T.	22	24	28	16	68	68	1380
of Bit Section to Jct US 63	9.78 11.03*	Gravel	28	18	32	26	76	53	330
US 65, 69 to Lake Anquabi State Park	Warren County 1.02 1.02*	Paved	22	25	32	28	85	85	425
of Rembrandt to Jct US 71	Buena Vista County .58 .58*	Paved	18	21	26	21	68	68	460

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956
				Structural Adequacy	Safety	Service	Total Basic		
US 71 to SCL of Truesdale	Buena Vista County .45 .45*	Paved	18	21	30	27	78	78	32
ter Rowan to End Built Up Sec	Wright County .05 .05*	Bit S.T.	24	16	36	32	84	84	43
of Mallard to Jct Ia 17	Palo Alto County .02 .02*	Paved	18	22	23	23	68	68	125
of Packwood to Jct Ia 1	Jefferson County 5.58 5.58*	Paved	24	22	37	30	89	89	21
of Blockton to Jct Ia 25	Taylor County .14 .14*	Bit S.T.	22	10	40	32	82	82	15
Ia 44 to Jct US 18	Kossuth County 2.17	Paved	20	23	31	29	83	83	64
suth Co Line to Jct US 18 SW Curve	Palo Alto County .22 2.39*	Paved	20	18	35	30	83	83	32
Buckeye to Jct US 20	Hardin County 6.85 6.85*	Paved	22	Programed			90	90	27

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956 Traffic
				Structural Adequacy	Safety	Service	Total Basic		
Ia 5 to SCL of Newell	Buena Vista County .13 .13*	Paved	20	21	33	29	83	83	460
Macedonia to Jct US 59	Pottawattamie County 1.02 1.02*	Paved	22	25	33	31	89	89	275
Ia 101 to WCL of Urbana	Benton County .74	Paved	24	16	34	19	69	69	345
Jct of Ia 101 Tangent and NE Curve	.26 1.00*	Gravel	28	8	36	27	71	40	525
Ia 13 to WCL Harpers Ferry	Allamakee County 7.49 7.49*	Paved	22	Programed			80	80	175
7 Unincorporated to Jct Ia 92	Marion County 1.10 1.10*	Gravel	26	11	26	16	53	26	425
IS 75 to WCL Blencoe	Monona County .01 .01*	Paved	20	22	31	26	79	79	855
utland to Jct US 169	Humboldt County 3.02 3.02*	Paved	22	25	37	32	94	94	285

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956 Miles
				Structural Adequacy	Safety	Service	Total Basic		
Ia 60 to ECL Renwick	.01 .01*	Humboldt County Bit S.T.	22	21	34	30	85	85	61
Ia 2 to SCL of Unionville	5.10 5.10*	Appanoose County Gravel	30	14	22	27	63	44	21
275 to Mills County Line	.84	Pottawattamie County Paved	24	24	34	31	89	89	23
Pottawattamie Co Line to Mo River Bridge	4.49 5.33*	Mills County Paved	24	24	39	32	95	95	14
Keomah St Park to Jct Ia 92	.69 .69*	Mahaska County Bit S.T.	23	11	28	27	66	66	32
Marathon Canyon St Pk to Jct Ia 183	2.60 2.60*	Monona County Gravel	23	21	33	19	73	58	10
Ia 13 to WCL Waterville	3.71 3.71*	Allamakee County Gravel	24	8	31	19	58	39	25
371 to NCL Webb	7.55 7.55*	Clay County Paved	22	21	38	32	91	91	39





Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956
				Structural Adequacy	Safety	Service	Total Basic		
McBride St Fl to WCL Solon	Johnson County 3.20 3.20*	Paved	24	Programed			90	90	42
US 69 to WCL of Randall	Hamilton County 1.06 1.06*	Paved	20	25	33	32	90	90	350
Ia 25 to Springbrook State Park	Guthrie County 1.15 1.15*	Paved	22	Programed			90	90	75
Pacific Jct to Jct US 34	Mills County 1.51 1.51*	Bit S.T.	22	7	32	16	65	65	825
t US 52 to N Jct US 52	Dubuque County 2.70 2.70*	Paved	24	21	31	18	70	70	1760
oy Airport to Jct US 61	Scott County .54 .54*	Paved	24	24	40	35	99	99	330
of Calumet to Jct US 59	O'Brien County .14 .14*	Paved	24	22	40	35	97	97	340

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956 Traffic
				Structural Adequacy	Safety	Service	Total Basic		
Ma 22 to Wildcat Den St Park	.72 .72*	Bit S.T.	22	14	27	23	64	64	125
Ma 10 to SCL of Marathon	.24 .24*	Paved	20	21	33	26	80	80	425
US 30 to Clinton Airport	.50 .50*	Paved	24	12	40	32	84	84	95
US 61 to Dubuque Municipal Airport	.66 .66*	Gravel	26	10	36	32	78	63	125
W of Ionia to Jct of US 18	1.82 1.82*	Gravel	26	18	29	29	76	61	115
Ma 16 to Des Moines Co Line	1.29	Paved	24	Programed			90	90	400
Des Moines County Line to Augusta Unincorp	.55 1.84*	Paved	22	Programed			90	90	395
Delbourne to Jct Ia 64	.18 .18*	Paved	22	25	26	32	75	75	370

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956
				Structural Adequacy	Safety	Service	Total Basic		
Ia 175 to SCL Farmhamville	Calhoun County .03 .03*	Mix Bit.	24	15	40	31	86	86	74
Paton to Jct Ia 144	Greene County .24 .24*	Paved	22	24	34	33	91	91	60
Brooklyn to Jct US 6	Poweshiek County .63 .63*	Paved	22	25	39	34	98	98	50
Truro to Warren Co Line	Madison County 3.42	Paved	22	25	36	27	88	88	40
son Co Line to Jct Interstate 35	Warren County .26 3.68*	Paved	22	25	40	35	100	100	
Ia 64 to Camp Dodge	Polk County 2.09 2.09*	Paved	20	21	24	12	57	57	87
US 34 to Begin 44 Ft Section	Des Moines County 1.88	Paved	18	13	11	11	35	35	126
n 44 Ft Sec to WCL of Burlington		Paved	44	20	38	28	86	86	272
Ia 99 to SCL Oakville	Louisa County .10 .10*	Paved	24	21	40	31	92	92	49

Sufficiency Rating by Routes of the  
Iowa Rural Primary Road System

Location	Length of Section	Surface Type	Surface Width	Basic Sufficiency Rating				Basic Rating Adj. for Gravel Surface	1956
				Structural Adequacy	Safety	Service	Total Basic		
US 169 to WCL Luverne	Humboldt County 6.97 6.97*	Paved	24	25	40	33	98	98	350
Warner to Jct US 18	Hancock County .06 .06*	Paved	24	25	39	33	97	97	2090
Don Co Line to Backbone State Park	Delaware County .01	Bit S.T.	22	15	40	31	86	86	215
Ware Co Line to Jct Ia 3	Clayton County 2.43 2.44*	Bit S.T.	22	15	33	27	75	75	240
Marengo to End Asph Section	Iowa County 1.38 1.38*	Paved	22	25	34	34	93	93	700
US 6 to NCL Lewis	Cass County .50	Paved	24	25	32	25	82	82	1140
Lewis to Jct US 71	5.05 5.55*	Paved	24	25	31	25	81	81	740
Des Moines to End 44 Ft Sect	Polk County .61	Paved	44	20	40	34	94	94	7270
44 Ft Sect to Urban Area Line	2.36	Paved	22	20	30	35	75	75	5205
Urban Area Line to Jct Ia 160	.78	Paved	22	20	27	22	70	70	4950



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

PART VI

APPENDIX

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. 7. Miles of Rural Primary Roads in each district by Sufficiency Rating Groups classified by County.



Table No. 4 State

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

State Total

Sufficiency Rating	Surface Type			Total for State
	Gravel	Bituminous	Paved	
0-- 9	-	-	-	-
10-- 19	-	-	-	-
20 -- 29	17.26	-	33.16	50.42
30 -- 39	35.01	-	191.22	226.23
40 -- 49	64.88	-	847.44	912.32
50 - 59	117.57	31.85	831.20	980.62
60 - 69	119.68	95.45	777.70	992.83
70 - 79	11.90	207.48	1,401.40	1,620.78
80 - 89	4.64	284.62	1,594.31	1,883.57
90 -100	-	30.62	1,907.82	1,938.44
Total	370.94	650.02	7,584.25	8,605.21

**Note:** This table includes the 1958 program. 901.28 miles are incomplete as of January 1, 1959. The sufficiency ratings of these roads are based on the completion of the projects.

## by Sufficiency Rating Groups.

District No. 1

Sufficiency Rating	Surface Type			Total for District No. 1
	Gravel	Bituminous	Paved	
0 - 9	-	-	-	-
10 - 19	-	-	-	-
20 - 29	14.75	-	-	14.75
30 - 39	8.17	-	2.12	10.29
40 - 49	-	-	53.59	53.59
50 - 59	8.34	-	155.06	163.40
60 - 69	-	26.34	162.23	188.57
70 - 79	-	19.24	198.81	218.05
80 - 89	-	86.02	380.43	466.45
90 -100	-	-	410.92	410.92
Total	31.26	131.60	1,363.16	1,526.02

Note: This table includes the 1953 program. 169.94 miles are incomplete as of January 1, 1959. The sufficiency ratings of these roads are based on the completion of the projects.

Table No. 4B

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

District No. 2

Sufficiency Rating	Surface Type			Total for District No. 2
	Gravel	Bituminous	Paved	
0 - 9	-	-	-	-
10 - 19	-	-	-	-
20 - 29	-	-	-	-
30 - 39	-	-	22.27	22.27
40 - 49	14.11	-	86.27	100.38
50 - 59	17.83	10.60	119.12	147.55
60 - 69	9.43	21.71	170.20	201.34
70 - 79	1.82	2.90	269.01	273.73
80 - 89	1.00	63.02	290.83	354.85
90 -100	-	25.35	328.28	353.63
Total	44.19	123.58	1,285.98	1,453.75

Note: This table includes the 1953 program.

No. 3 of Each Surface Type Classified  
by Sufficiency Rating Groups

District No. 3

Sufficiency Rating	Surface Type			Total for District No. 3
	Gravel	Bituminous	Paved	
0 - 9	-	-	-	-
10 - 19	-	-	-	-
20 - 29	-	-	-	-
30 - 39	1.51	-	-	1.51
40 - 49	-	-	24.78	24.78
50 - 59	13.45	-	59.03	72.48
60 - 69	51.47	-	142.81	194.28
70 - 79	3.94	26.61	400.73	431.28
80 - 89	3.64	20.10	319.04	342.78
90 -100	-	-1.00	374.32	375.32
Total	74.01	47.71	1,320.71	1,442.43

Note: This table includes the 1958 program. 136.19 miles are incomplete as of January 1, 1959. The sufficiency ratings of these roads are based on the completion of the projects.

Table No. 4D

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

District No. 4

Sufficiency Rating	Surface Type			Total for District No. 4
	Gravel	Bituminous	Paved	
0 - 9	-	-	-	-
10 - 19	-	-	-	-
20 - 29	-	-	1.22	1.22
30 - 39	-	-	67.94	67.94
40 - 49	32.68	-	273.68	306.36
50 - 59	53.60	1.91	226.47	281.98
60 - 69	41.88	36.59	54.90	133.37
70 - 79	5.48	79.47	104.40	189.35
80 - 89	-	26.77	175.71	202.48
90 -100	-	1.85	275.04	276.89
Total	133.64	146.59	1,179.36	1,459.59

Note: This table includes the 1958 program. 121.04 miles are incomplete as of January 1, 1959. The sufficiency ratings of these roads are based on the completion of the projects.

No. 5 of Each Surface Type Classified  
by Sufficiency Rating Groups.

District No. 5

Sufficiency Rating	Surface Type			Total for District No. 5
	Gravel	Bituminous	Paved	
0 - 9	-	-	-	-
10 - 19	-	-	-	-
20 - 29	2.51	-	-	2.51
30 - 39	9.37	-	47.12	56.49
40 - 49	18.09	-	175.16	193.25
50 - 59	-	11.61	144.89	156.50
60 - 69	12.03	9.43	101.22	122.68
70 - 79	-	42.93	159.44	202.37
80 - 89	-	58.53	245.56	304.09
90 -100	-	.81	280.49	281.30
Total	42.00	123.31	1,153.88	1,319.19

Note: This table includes the 1958 program. 134.22 miles are incomplete as of January 1, 1959. The sufficiency ratings of these roads are based on the completion of the projects.

Table No. 4F

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

District No. 6

Sufficiency Rating	Surface Type			Total for District No. 6
	Gravel	Bituminous	Paved	
0 - 9	-	-	-	-
10 - 19	-	-	-	-
20 - 29	-	-	31.94	31.94
30 - 39	15.96	-	51.77	67.73
40 - 49	-	-	233.96	233.96
50 - 59	24.35	7.73	126.63	158.71
60 - 69	4.87	1.38	146.34	152.59
70 - 79	.66	36.33	269.01	306.00
80 - 89	-	30.18	182.74	212.92
90 -100	-	1.61	238.77	240.38
Total	45.84	77.23	1,281.16	1,404.23

Table No. 5

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

State Totals

Sufficiency Rating	Surface Width					Total
	18 Feet	20 Feet	22 Feet	24 Feet	over 24 Feet	
0 - 9	-	-	-	-	-	-
10 - 19	-	-	-	-	-	-
20 - 29	33.16	-	-	-	-	33.16
30 - 39	190.53	.69	-	-	-	191.22
40 - 49	829.53	17.23	-	.68	-	847.44
50 - 59	769.29	36.05	27.40	28.40	1.91	863.05
60 - 69	226.41	385.63	48.44	210.46	2.21	873.15
70 - 79	40.79	627.29	159.14	772.96	8.70	1,608.88
80 - 89	16.53	59.77	407.79	1,352.94	41.90	1,878.93
90 -100	-	2.42	788.95	1,077.17	69.90	1,938.44
Total	2,106.24	1,129.08	1,431.72	3,442.61	124.62	8,234.27

Note: This table includes the 1958 program. 901.28 miles are incomplete as of January 1, 1959. The sufficiency ratings of these roads are based on the completion of the projects.

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

District No. 1

Sufficiency Rating	Surface Width					Total District 1
	18 Feet	20 Feet	22 Feet	24 Feet	over 24 Feet	
0 - 9	-	-	-	-	-	-
10 - 19	-	-	-	-	-	-
20 - 29	-	-	-	-	-	-
30 - 39	1.43	.69	-	-	-	2.12
40 - 49	41.30	11.61	-	.68	-	53.59
50 - 59	146.11	5.39	-	3.56	-	155.06
60 - 69	37.57	97.45	13.17	40.38	-	188.57
70 - 79	.03	78.29	26.38	113.35	-	218.05
80 - 89	2.00	.42	79.60	367.44	16.99	466.45
90 -100	-	1.06	140.11	264.82	4.93	410.92
<b>Total</b>	<b>228.44</b>	<b>194.91</b>	<b>259.26</b>	<b>790.23</b>	<b>21.92</b>	<b>1,404.76</b>

Note: This table includes the 1958 program. 169.94 miles are incomplete as of January 1, 1959. The sufficiency ratings of these roads are based on the completion of the projects.

Table No. 5B

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

District No. 2

Sufficiency Rating	Surface Width					Total District 2
	18 Feet	20 Feet	22 Feet	24 Feet	over 24 Feet	
0 - 9	-	-	-	-	-	-
10 - 19	-	-	-	-	-	-
20 - 29	-	-	-	-	-	-
30 - 39	22.27	-	-	-	-	22.27
40 - 49	86.27	-	-	-	-	86.27
50 - 59	118.06	1.06	10.60	-	-	129.72
60 - 69	105.69	47.90	5.07	31.04	2.21	191.91
70 - 79	18.29	138.10	16.44	97.95	1.13	271.91
80 - 89	9.97	13.71	42.97	287.20	-	353.85
90 -100	-	.06	164.37	181.41	7.79	353.63
<b>Total</b>	<b>360.55</b>	<b>200.83</b>	<b>239.45</b>	<b>597.60</b>	<b>11.13</b>	<b>1,409.56</b>

Note: This table includes the 1958 program. 201.50 miles are incomplete

in District No. 3 in Each Surface Width Group  
Classified by Sufficiency Rating.

District No. 3

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	24.78	-	-	-	-	24.78
50 - 59	54.19	4.84	-	-	-	59.03
60 - 69	37.36	95.44	-	10.01	-	142.81
70 - 79	18.97	298.27	.39	109.71	-	427.34
80 - 89	4.56	32.31	59.01	242.68	.58	339.14
90 -100	-	1.21	208.59	130.23	35.29	375.32
<b>Total</b>	<b>139.86</b>	<b>432.07</b>	<b>267.99</b>	<b>492.63</b>	<b>35.87</b>	<b>1,368.42</b>

Note: This table includes the 1958 program. 136.19 miles are incomplete as of January 1, 1959. The sufficiency ratings of these roads are based on the completion of the projects.

Table No. 55D

Miles of Rural Paved and Bituminous Primary Roads  
in District 4 in Each Surface Width Group  
Classified by Sufficiency Rating.

District No. 4

Sufficiency Rating	Surface Width					Total District 4
	18 Feet	20 Feet	22 Feet	24 Feet	over 24 Feet	
0 - 9	-	-	-	-	-	-
10 - 19	-	-	-	-	-	-
20 - 29	1.22	-	-	-	-	1.22
30 - 39	67.94	-	-	-	-	67.94
40 - 49	272.61	1.07	-	-	-	273.68
50 - 59	208.71	12.57	5.19	-	1.91	228.38
60 - 69	14.19	40.00	20.24	17.06	-	91.49
70 - 79	.25	47.50	32.29	103.83	-	183.87
80 - 89	-	13.25	56.32	115.83	17.08	202.48
90 -100	-	.07	137.84	134.19	4.79	276.89
<b>Total</b>	<b>564.92</b>	<b>114.46</b>	<b>251.88</b>	<b>370.91</b>	<b>23.78</b>	<b>1,325.95</b>

Note: This table includes the 1958 program. 121.94 miles are incomplete

in District No. 5 in Each Surface Width Group  
Classified by Sufficiency Rating.

District No. 5

Sufficiency Rating	Surface Width					Total District 5
	18 Feet	20 Feet	22 Feet	24 Feet	over 24 Feet	
0 - 9	-	-	-	-	-	-
10 - 19	-	-	-	-	-	-
20 - 29	-	-	-	-	-	-
30 - 39	47.12	-	-	-	-	47.12
40 - 49	175.16	-	-	-	-	175.16
50 - 59	142.90	1.99	11.61	-	-	156.50
60 - 69	11.09	30.73	9.51	59.30	-	110.65
70 - 79	1.64	24.44	35.44	136.82	4.05	202.37
80 - 89	-	-	90.59	211.28	2.22	304.09
90 -100	-	-	76.54	192.51	12.27	281.30
<b>Total</b>	<b>377.91</b>	<b>57.18</b>	<b>223.67</b>	<b>599.91</b>	<b>1852</b>	<b>1,277.19</b>

Note: This table includes the 1958 program. 134.22 miles are incomplete as of January 1, 1959. The sufficiency ratings of these roads are based on the completion of the projects.

Table No. 5

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

District No. 6

Sufficiency Rating	Surface Width					Total District 6
	18 Feet	20 Feet	22 Feet	24 Feet	over 24 Feet	
0 - 9	-	-	-	-	-	-
10 - 19	-	-	-	-	-	-
20 - 29	31.94	-	-	-	-	31.94
30 - 39	51.77	-	-	-	-	51.77
40 - 49	229.41	4.55	-	-	-	233.96
50 - 59	99.32	10.20	-	24.84	-	134.36
60 - 69	20.51	74.09	.45	52.67	-	147.72
70 - 79	1.61	40.69	48.20	211.30	3.54	305.34
80 - 89	-	.08	79.30	128.51	5.03	212.92
90 -100	-	.02	61.52	174.01	4.83	240.38
<b>Total</b>	<b>434.56</b>	<b>129.63</b>	<b>189.47</b>	<b>591.33</b>	<b>1340</b>	<b>1,358.39</b>

Note: This table includes the 1958 program. 137.49 miles are incomplete



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

Sufficiency Rating 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	13.27	55.07	71.78	12.31	37.08	159.10	35
0 - 499	-	-	15.85	21.42	51.36	81.09	54.09	63.37	175.01	660.73	1,12
0 - 749	-	-	.43	3.88	8.61	25.22	100.03	194.14	286.26	245.14	86
0 - 999	-	-	.98	1.51	75.72	78.63	139.57	220.25	282.85	157.62	95
0 - 1499	-	-	-	53.59	262.89	361.71	192.06	429.92	203.96	89.74	1,59
0 - 1999	-	-	24.07	43.20	249.32	211.15	204.45	305.46	328.61	125.95	1,49
0 - 2499	-	-	4.64	25.63	155.84	83.50	120.12	132.55	184.75	146.34	85
0 - 2999	-	-	-	34.12	46.02	13.92	47.78	77.83	149.34	120.12	48
0 - 3499	-	-	-	5.30	15.85	15.86	6.81	77.55	88.60	138.97	34
0 - 3999	-	-	3.43	27.60	19.29	23.37	20.33	29.30	41.18	43.80	20
0 - 4499	-	-	1.02	1.04	3.93	14.91	7.37	16.42	55.87	13.80	11
0 - 4999	-	-	-	-	2.59	1.55	12.10	28.59	14.92	20.62	8
5000 & over	-	-	-	.74	7.63	14.64	16.34	33.09	35.14	16.51	12
Total	-	-	50.42	226.23	912.32	980.62	992.83	1,620.78	1,883.57	1,938.44	8,60

Note: This table includes the 1958 program. 901.28 miles are incomplete as of January 1, 1959. The sufficiency ratings of these roads are based on the completion of the projects.

Table No. 6A

Miles of Gravel Surfaced Rural Primary  
Roads in Iowa to 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	13.27	55.07	71.78	7.96	4.64	-	160
0 - 499	-	-	15.85	21.42	51.36	61.38	47.90	3.94	-	-	201
0 - 749	-	-	.43	3.88	-	1.12	-	-	-	-	5
0 - 999	-	-	.98	1.51	.25	-	-	-	-	-	2
0 - 1499	-	-	-	-	-	-	-	-	-	-	-
0 - 1999	-	-	-	-	-	-	-	-	-	-	-
0 - 2499	-	-	-	-	-	-	-	-	-	-	-
0 - 2999	-	-	-	-	-	-	-	-	-	-	-
0 - 3499	-	-	-	-	-	-	-	-	-	-	-
0 - 3999	-	-	-	-	-	-	-	-	-	-	-
0 - 4499	-	-	-	-	-	-	-	-	-	-	-
0 - 4999	-	-	-	-	-	-	-	-	-	-	-
5000 & over	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	17.26	35.01	64.88	117.57	119.68	11.90	4.64	-	370

No. 6B

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

c	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	
249	-	-	-	-	-	-	-	2.71	12.04	6.09	20.8
499	-	-	-	-	-	-	1.06	44.81	67.19	23.72	136.7
749	-	-	-	-	-	19.25	40.48	100.42	91.89	.81	252.8
999	-	-	-	-	-	4.87	39.99	20.12	94.22	-	159.2
1499	-	-	-	-	-	7.73	9.76	38.41	17.23	-	73.1
1999	-	-	-	-	-	-	3.44	1.01	2.05	-	6.5
2499	-	-	-	-	-	-	.10	-	-	-	.1
2999	-	-	-	-	-	-	.62	-	-	-	.6
3499	-	-	-	-	-	-	-	-	-	-	-
3999	-	-	-	-	-	-	-	-	-	-	-
4499	-	-	-	-	-	-	-	-	-	-	-
4999	-	-	-	-	-	-	-	-	-	-	-
over	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	31.85	95.45	207.48	284.62	30.62	650.0

Table No. 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	-	-	-	-	-	-	-	1.64	20.40	153.01	
50 - 499	-	-	-	-	-	19.71	5.13	14.62	107.82	637.01	
50 - 749	-	-	-	-	8.61	4.85	59.55	93.72	194.37	244.33	
50 - 999	-	-	-	-	75.47	73.76	99.58	200.13	188.63	157.62	
100 - 1499	-	-	-	53.59	262.89	353.98	182.30	391.51	186.73	89.74	
100 - 1999	-	-	24.07	43.20	249.32	211.15	201.01	304.45	326.56	125.95	
100 - 2499	-	-	4.64	25.63	155.84	83.50	120.02	132.55	184.75	146.34	
100 - 2999	-	-	-	34.12	46.02	13.92	47.16	77.83	149.34	120.12	
100 - 3499	-	-	-	5.30	15.85	15.86	6.81	77.55	88.60	138.97	
100 - 3999	-	-	3.43	27.60	19.29	23.37	20.33	29.30	41.18	43.80	
100 - 4499	-	-	1.02	1.04	3.93	14.91	7.37	16.42	55.87	13.80	
100 - 4999	e	-	-	-	2.59	1.55	12.10	28.59	14.92	20.62	
100 & over	-	-	-	.74	7.63	14.64	16.34	33.09	35.14	16.51	
Total	-	-	33.16	191.22	847.44	831.20	777.70	1,401.40	1,594.31	1,907.82	7

Note: This table includes the 1958 program. 901.28 miles are incomplete as of January 1, 1959. The sufficiency ratings of these roads are based on the completion of the projects.

Miles of Rural Primary Roads in District No. 1 of Each Sufficiency Rating Group. Classified by County.

County	Critical	Poor	Tolerable	Good	Excellent	Total
	under 50	50-64	65-79	80-89	90-100	
8 Boone	8.13	9.41	34.42	19.84	16.73	88.53
13 Calhoun		.44	44.38	20.34	15.26	80.42
14 Carroll		8.24	28.95	27.17	19.22	83.58
25 Dallas	5.57	46.76	10.69	28.96	31.75	123.73
37 Greene		2.44	20.28	13.15	39.95	75.82
38 Grundy		16.55	16.31	32.87	6.15	71.88
40 Hamilton			24.30	51.97	19.87	96.14
42 Hardin	2.49	9.58	9.21	49.76	17.22	88.26
50 Jasper		16.71	21.73	42.15	29.74	110.33
64 Marshall	16.22	15.17	31.13	11.63	23.30	97.45
77 Polk	12.30	18.70	42.00	9.18	37.09	119.27
79 Poweshiek	12.10	16.47	4.99	20.12	44.65	98.33
85 Story	3.48	8.28	21.15	23.86	30.74	87.51
86 Tama	4.86	36.47	.03	32.37	23.21	96.94
91 Warren	12.80	3.51	18.99	32.95	23.57	91.82
94 Webster	.68	19.46	13.27	50.13	32.47	116.01
Total	78.63	228.19	341.83	466.45	410.92	1,526.02

Note: This table includes the 1958 program. 169.94 miles are incomplete as of January 1, 1959. The sufficiency ratings of these roads are based on the completion of the projects.

Table No. 7B

Miles of Rural Primary Roads in District No. 2 of Each Sufficiency  
Rating Group Classified by County.

County	Critical	Poor	Tolerable	Good	Excellent	Total
	under 50	50-64	65-79	80-89	90-100	
3 Allamakee	4.14	51.86	10.23	17.44	20.28	103.95
9 Bremer	3.56	.73	42.68	33.83	4.19	84.99
12 Butler	22.46	2.02	32.97	1.25	19.90	78.60
17 Cerro Gordo	--	10.61	15.72	18.46	24.38	69.17
19 Chickasaw	9.34	18.52	22.47	12.49	12.84	75.66
32 Emmet	--	--	7.08	39.36	10.10	56.54
33 Fayette	25.28	28.40	10.94	33.89	41.30	139.81
34 Floyd	--	6.13	34.41	17.01	10.93	68.48
35 Franklin	--	14.22	1.00	28.98	12.64	56.84
41 Hancock	--	--	21.78	13.37	49.64	84.79
45 Howard	1.07	29.03	13.84	6.61	10.74	61.29
46 Humboldt	--	3.34	35.92	7.36	27.57	74.19
55 Kossuth	--	8.05	35.02	66.09	24.79	133.95
66 Mitchell	--	24.40	32.55	--	15.07	72.02
95 Winnebago	--	19.98	18.16	4.51	9.18	51.83
96 Winneshiek	56.80	5.92	3.77	3.59	24.23	94.31
98 Worth	--	9.43	19.86	15.49	23.45	68.23
99 Wright	--	23.33	8.25	35.12	12.40	79.10
Total	122.65	255.97	366.65	354.85	353.63	1,453.75

Note: This table includes the 1958 program. 201.50 miles are incomplete as of January 1, 1959. The sufficiency ratings of these roads are based on the completion of the projects.

Table No. 7C

## Miles of Rural Primary Roads in District No. 3 of Each Sufficiency Rating Group Classified by County.

County	Critical	Poor	Tolerable	Good	Excellent	Total
	under 50	50-64	65-79	80-89	90-100	
11 Buena Vista		--	51.47	7.67	34.94	94.08
18 Cherokee		6.65	57.96	4.24	17.71	86.56
21 Clay		22.48	7.89	27.54	14.88	72.79
24 Crawford		7.08	45.60	41.28	4.84	98.80
30 Dickinson	.50	14.21	21.68	17.17	8.61	62.17
47 Ida		.65	27.40	31.50	3.43	62.98
60 Lyon		--	57.44	8.15	15.06	80.65
67 Monona		6.19	23.16	24.38	50.70	104.43
71 O'Brien		21.73	16.27	17.50	23.09	78.59
72 Osceola		--	15.44	39.26	6.45	61.15
74 Palo Alto	2.97	21.74	15.37	14.43	--	54.51
75 Plymouth	1.51	15.43	46.26	21.14	43.36	127.70
76 Pocahontas		3.49	52.01	13.07	22.96	91.53
81 Sac		1.62	36.88	37.68	13.48	89.66
84 Sioux		.32	63.10	26.42	25.41	115.25
97 Woodbury	21.31	17.47	21.05	11.35	90.40	161.58
Total	26.29	139.06	558.98	342.78	375.32	1,442.43

**Note:** This table includes the 1958 program. 136.19 miles are incomplete as of January 1, 1959. The sufficiency ratings of these roads are based on the completion of the projects.

Table No. 7D

Miles of Rural Primary Roads in District No. 4 of Each Sufficiency Rating Group Classified by County.

County	Critical	Poor	Tolerable	Good	Excellent	Total
	under 50	50-64	65-79	80-89	90-100	
1 Adair	20.70	.12	4.68	27.15	--	52.65
2 Adams	10.04	6.75	21.64	3.45	15.53	57.41
5 Audubon	8.67	10.25	8.08	16.44	.25	43.69
15 Cass	27.39	19.28	16.66	28.47	23.74	115.54
20 Clarke	27.64	15.12	.51	.28	--	45.55
27 Decatur	10.80	26.55	15.63	1.06	5.43	59.47
36 Fremont	27.54	18.94	15.71	18.69	16.81	97.69
39 Guthrie	33.29	20.56	--	15.00	43.71	112.56
43 Harrison	6.09	21.33	26.10	35.57	16.89	105.98
61 Madison	8.72	27.31	13.72	7.84	8.84	66.43
65 Mills	26.03	10.33	10.52	.76	29.00	76.64
69 Montgomery	23.76	36.38	--	1.86	--	62.00
73 Page	7.07	63.34	15.52	2.27	10.39	98.59
78 Pottawattamie	69.30	25.53	10.80	10.96	52.74	169.33
80 Ringgold	13.24	3.58	40.39	8.62	17.86	83.69
83 Shelby	19.61	25.31	15.73	5.95	14.73	81.33
87 Taylor	24.73	5.53	13.62	10.00	20.97	74.85
88 Union	8.90	24.44	14.74	8.11	--	56.19
Total	375.52	360.55	244.05	202.48	276.89	1,459.49

Note: This table includes the 1953 program. 121.94 miles are incomplete as of January 1, 1959. The sufficiency ratings of these roads are based on the completion of the projects.



Table No. 7E

## Miles of Rural Primary Roads in District No. 5 of Each Sufficiency Rating Group Classified by County.

County	Critical	Poor	Tolerable	Good	Excellent	Total
	under 50	50-64	65-79	80-89	90-100	
4 Appanoose	23.51	4.59	12.12	10.55	17.29	68.06
26 Davis	25.12	9.00	12.04	.85	12.94	59.95
27 Decatur	--	--	--	--	4.52	4.52
29 Des Moines	1.88	11.31	--	15.35	30.59	59.13
44 Henry	11.22	2.49	7.10	21.12	24.25	66.18
51 Jefferson	14.50	8.01	4.43	--	25.24	52.18
54 Keokuk	24.68	31.67	7.23	35.48	21.30	120.36
56 Lee	.21	48.30	17.93	27.81	26.07	120.32
58 Louisa	--	6.82	19.72	21.62	12.15	60.31
59 Lucas	5.44	1.24	10.96	22.00	23.53	63.17
62 Mahaska	25.68	5.72	36.29	13.90	2.50	84.09
63 Marion	14.32	8.65	41.36	28.16	5.67	98.16
68 Monroe	22.05	--	2.29	23.02	7.96	55.32
70 Muscatine	--	23.02	26.88	25.18	28.09	103.17
89 Van Buren	22.39	22.96	18.83	10.27	2.66	77.11
90 Wapello	16.03	2.03	18.43	2.70	19.74	58.93
92 Washington	21.92	9.32	37.69	26.95	13.00	108.88
93 Wayne	23.30	1.54	11.58	19.13	3.80	59.35
Total	252.25	196.67	284.88	304.09	281.30	1,319.19

Note: This table includes the 1958 program. 134.22 miles are incomplete as of January 1, 1959. The sufficiency ratings of these roads are based on the completion of the projects.

Table No. 7F

Miles of Rural Primary Roads in District No. 6 of Each Sufficiency Rating Group Classified by County.

County	Critical	Poor	Tolerable	Good	Excellent	Total
	under 50	50-64	65-79	80-89	90-100	
6 Benton	7.92	3.24	84.63	16.20	24.59	136.58
7 Black Hawk	10.75	13.70	34.53	1.87	22.64	83.49
10 Buchanan	--	6.69	39.34	17.43	18.86	82.32
16 Cedar	7.66	.92	14.27	19.88	34.79	77.52
22 Clayton	69.23	20.68	3.93	17.41	1.57	112.87
23 Clinton	45.20	10.76	25.56	19.89	8.26	109.67
28 Delaware	19.00	24.50	32.61	8.60	6.63	91.34
31 Dubuque	32.80	25.40	14.97	21.66	23.75	118.58
33 Fayette	--	--	--	.08	--	.08
48 Iowa	15.68	14.16	32.46	10.31	13.34	85.95
49 Jackson	39.15	21.37	43.68	5.67	17.51	127.38
52 Johnson	9.84	9.96	23.49	23.65	24.54	91.48
53 Jones	23.19	39.08	6.60	20.47	10.37	99.71
57 Linn	23.07	26.48	28.41	23.91	9.16	111.03
82 Scott	30.14	--	15.83	5.89	24.37	76.23
Total	333.63	216.94	400.36	212.92	240.38	1,404.23

Note: This table includes the 1958 program. 137.49 miles are incomplete as of January 1, 1959. The sufficiency ratings of these roads are based on the completion of the projects.

PART VI

APPENDIX

Exhibit A

CHART NO. 1  
SURFACE WIDTH (SAFETY)  
- PAVED AND BITUMINOUS ROADS -

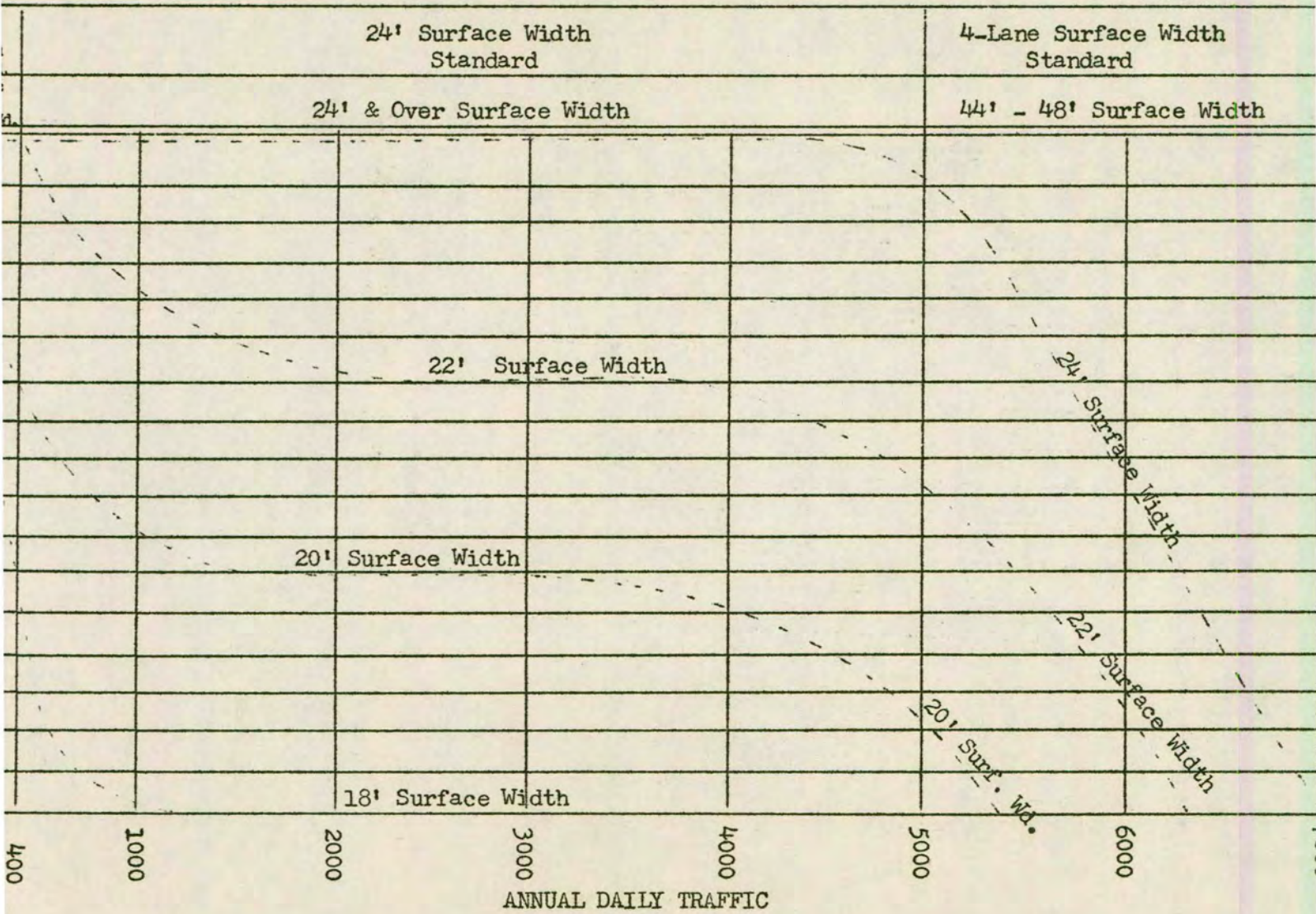
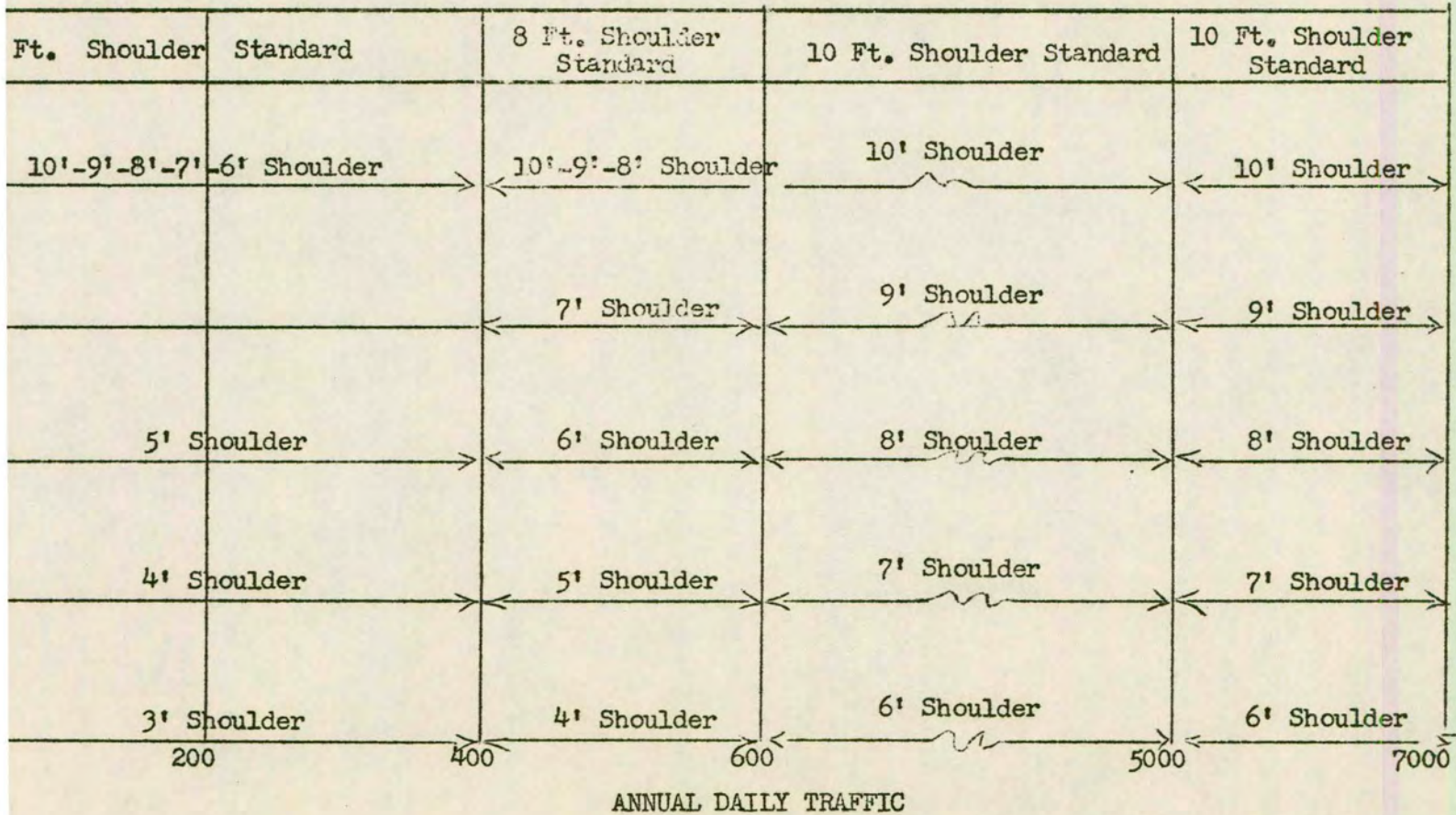


Exhibit A

Chart #2

SHOULDER WIDTH SAFETY RATING  
 - PAVED AND BITUMINOUS ROADS -



bit A

Chart #3  
SHOULDER WIDTH SAFETY RATING  
- GRAVEL ROADS -  
(BASED ON ROADWAY WIDTH)

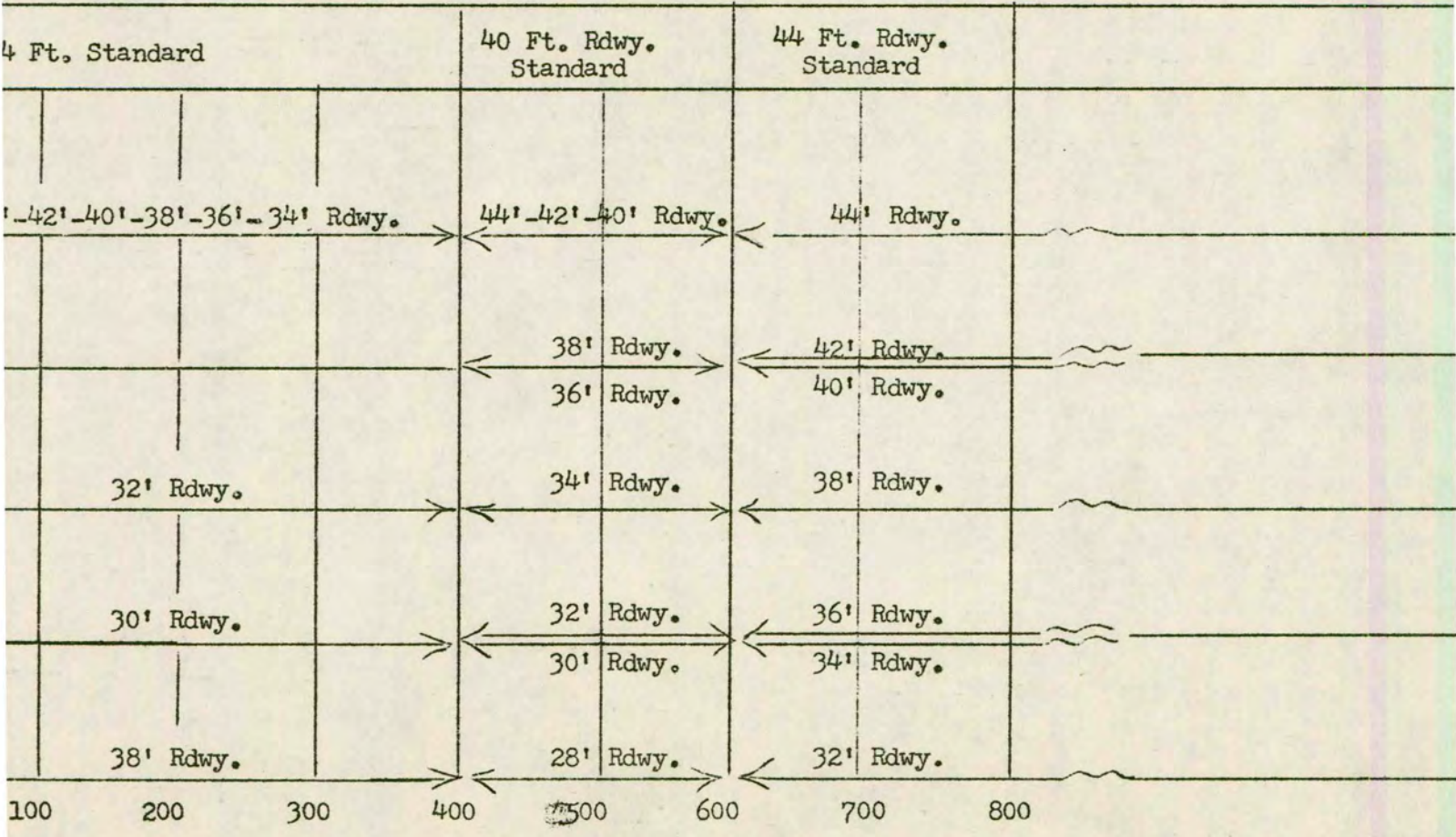
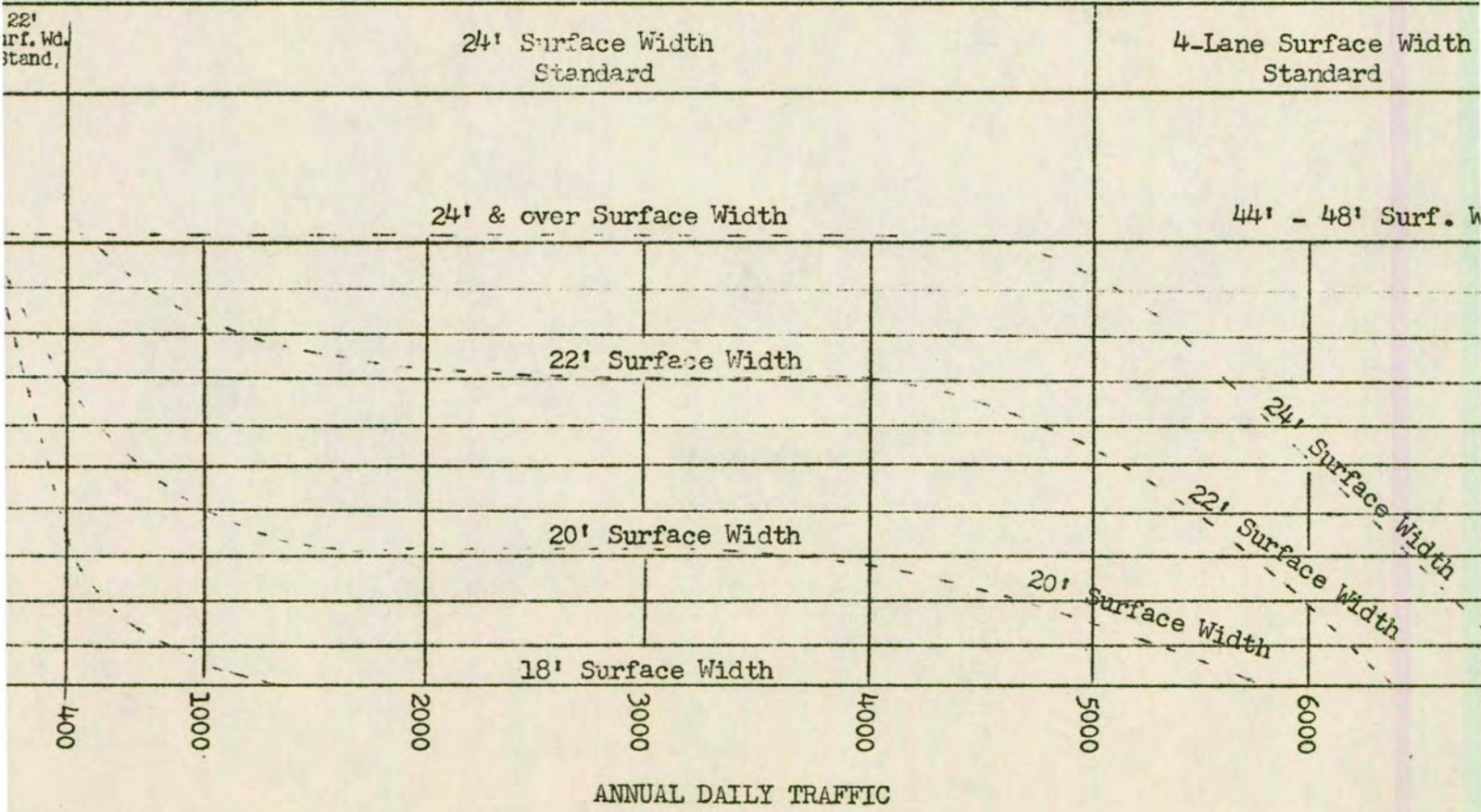


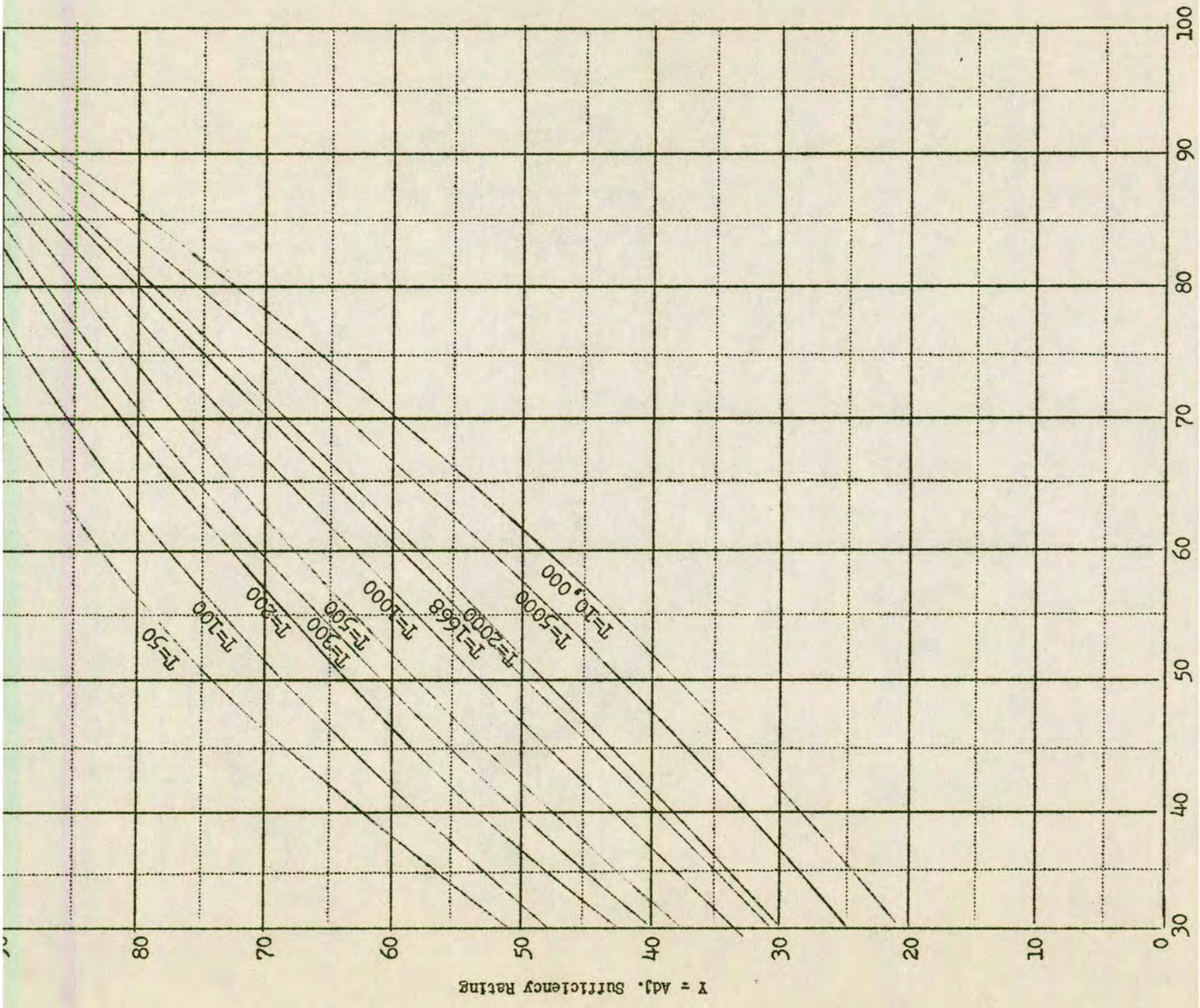
Exhibit A

CHART NO. 4

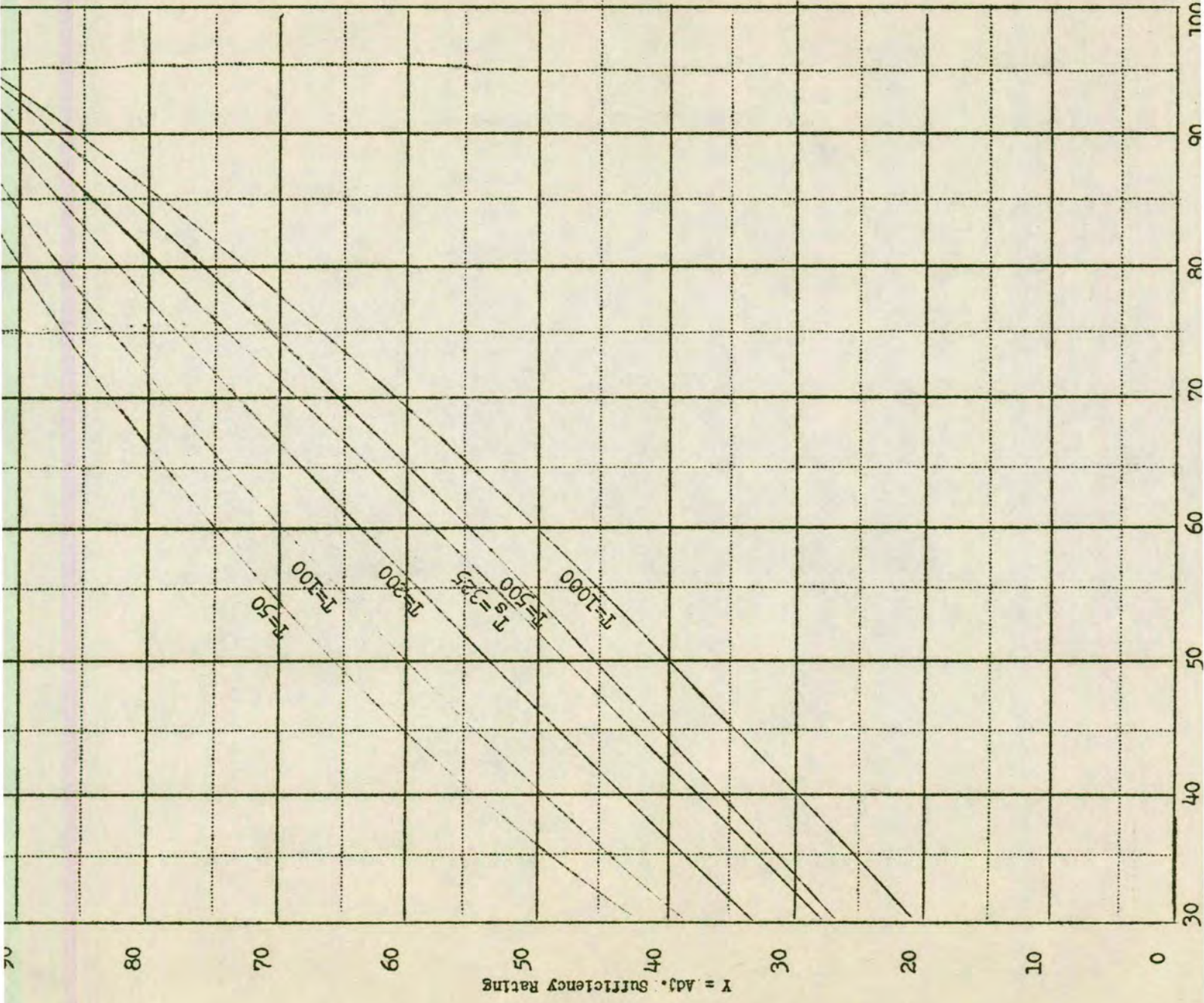
SURFACE WIDTH RATING (SERVICE)

- PAVED AND BITUMINOUS ROADS -





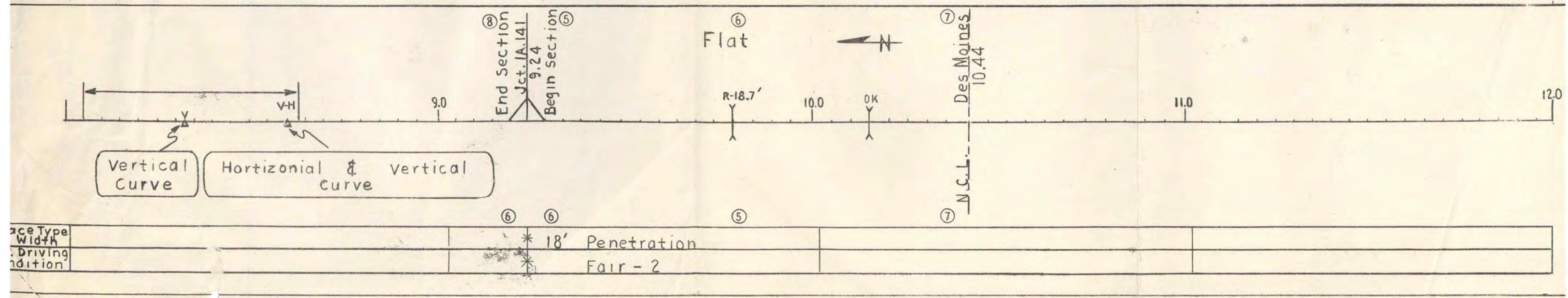
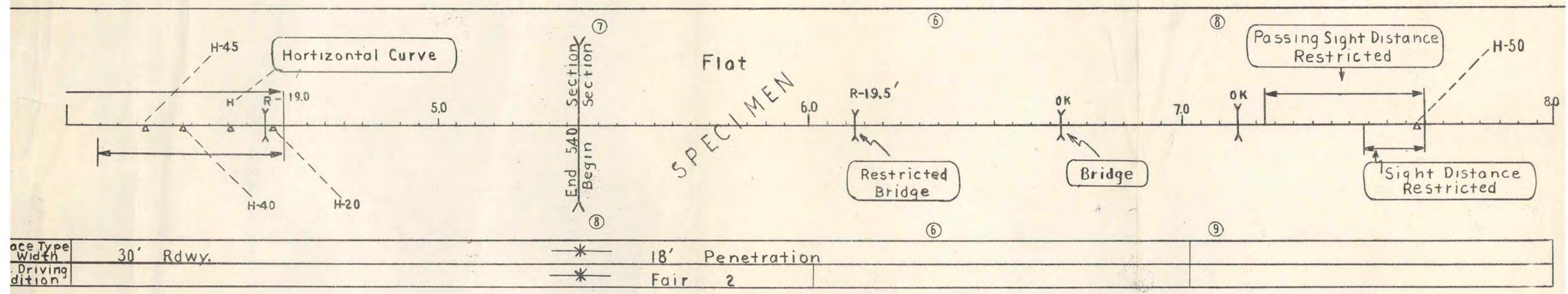
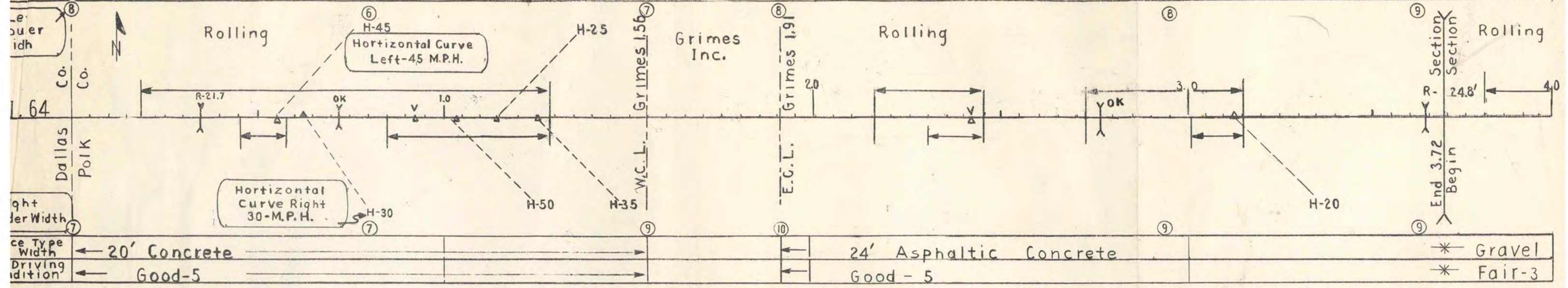




Sheet No. 1  
 Prepared by JOHN DOE  
 Date 10-22-53

IOWA HIGHWAY COMMISSION  
 SAFETY AND TRAFFIC  
 SUFFICIENCY RATING  
 FIELD DATA SHEET

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