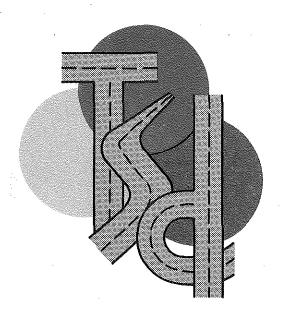
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A TRAFFIC ACCIDENT ANALYSIS AND
TRAFFIC CONTROL DEVICES INVENTORY
IN SCHOOLCRAFT COUNTY

Report TSD-ES-195-73



TRAFFIC and SAFETY DIVISION

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The Michigan Office of Highway Safety Planning and

The U. S. Department of Transportation National Highway Traffic Safety Administration

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"The opinions, findings and conclusions expressed in this publication are those of the authors and not necessarily those of the State or U. S. Department of Transportation, National Highway Traffic Safety Administration."

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INTRODUCTION

The Highway Safety Act of 1966 was enacted by the Congress of the United States in order to promote highway safety. Highway safety standards were then developed to assure the orderly implementation of the Act.

Highway Safety Standard 4.4.13, Traffic Engineering Services, is one of those standards. The purpose of Standard 4.4.13 is to assure the full and proper application of modern traffic engineering principles and uniform standards for traffic control to reduce the likelihood and severity of traffic accidents.

This standard includes the identifying of specific locations or sections of streets and highways which have high or potentially high accident experience as a basis for establishing priorities for improvement, selective enforcement or other practices that will eliminate or reduce the hazards at the locations so identified. It provides an orderly inventory of all traffic control devices, which include those signs, signals, markings and devices placed on, over or adjacent to a street or highway to regulate, warn and guide vehicular and pedestrian traffic.

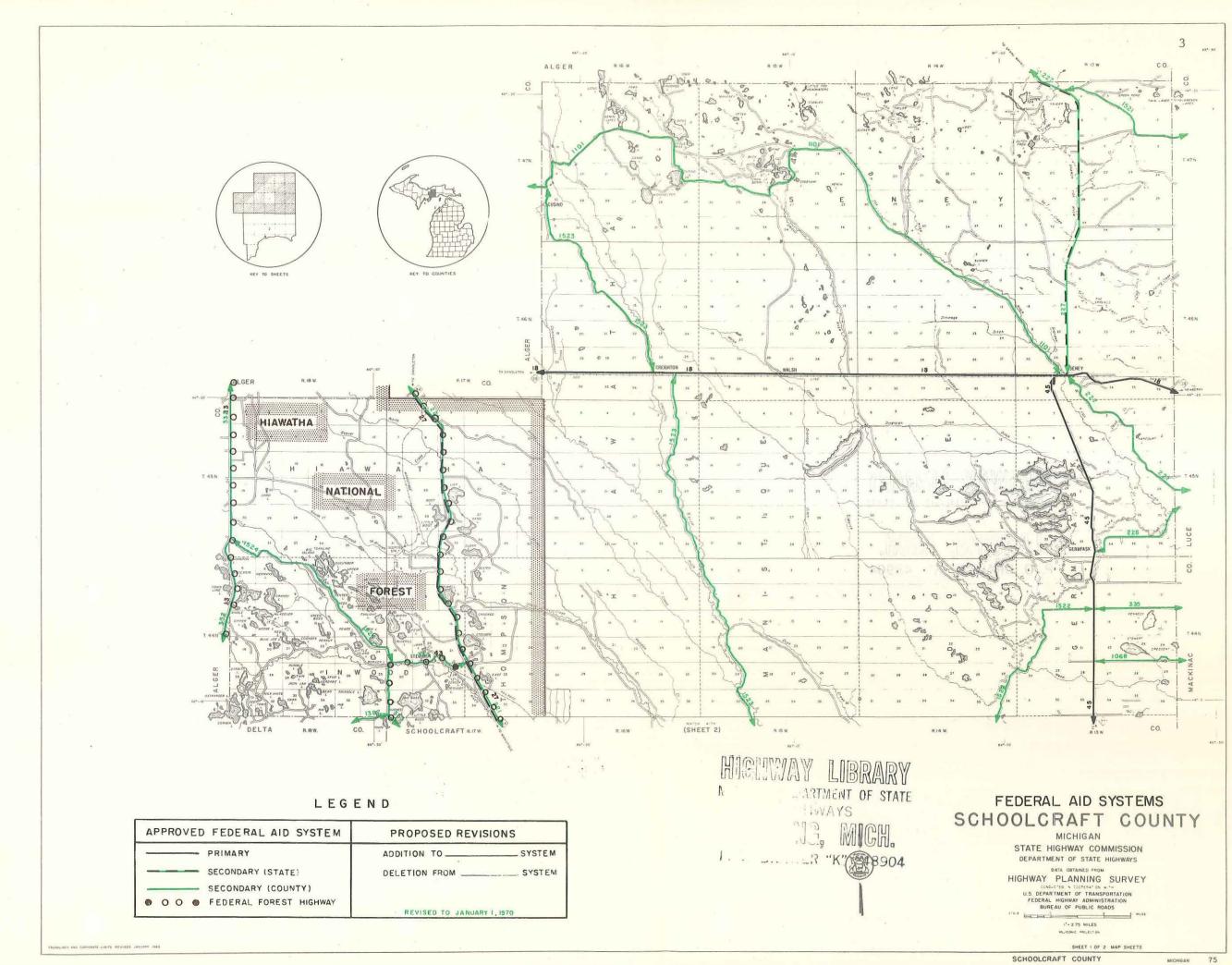
The State of Michigan carries out a program of this type on the state trunkline system; however, many of the state's city and county agencies lack the financial and technical prerequisites necessary to pursue similar programs with similarly defined objectives. To insure that this additional highway safety standard is met and to improve the overall evaluation of the accident picture in Michigan, the Michigan Department of State Highways requested and received through the Office of Highway Safety Planning in the Department of State Police, a federally funded project entitled "Traffic Engineering Services for Cities and Counties". In cooperation with participating cities and counties, the proposed service, under the direction of Department personnel, will make a traffic engineering evaluation of the factors causing traffic accidents and will recommend corrections to those conditions which may be contributing to accidents; and additionally will recommend the upgrading of traffic control devices where necessary.

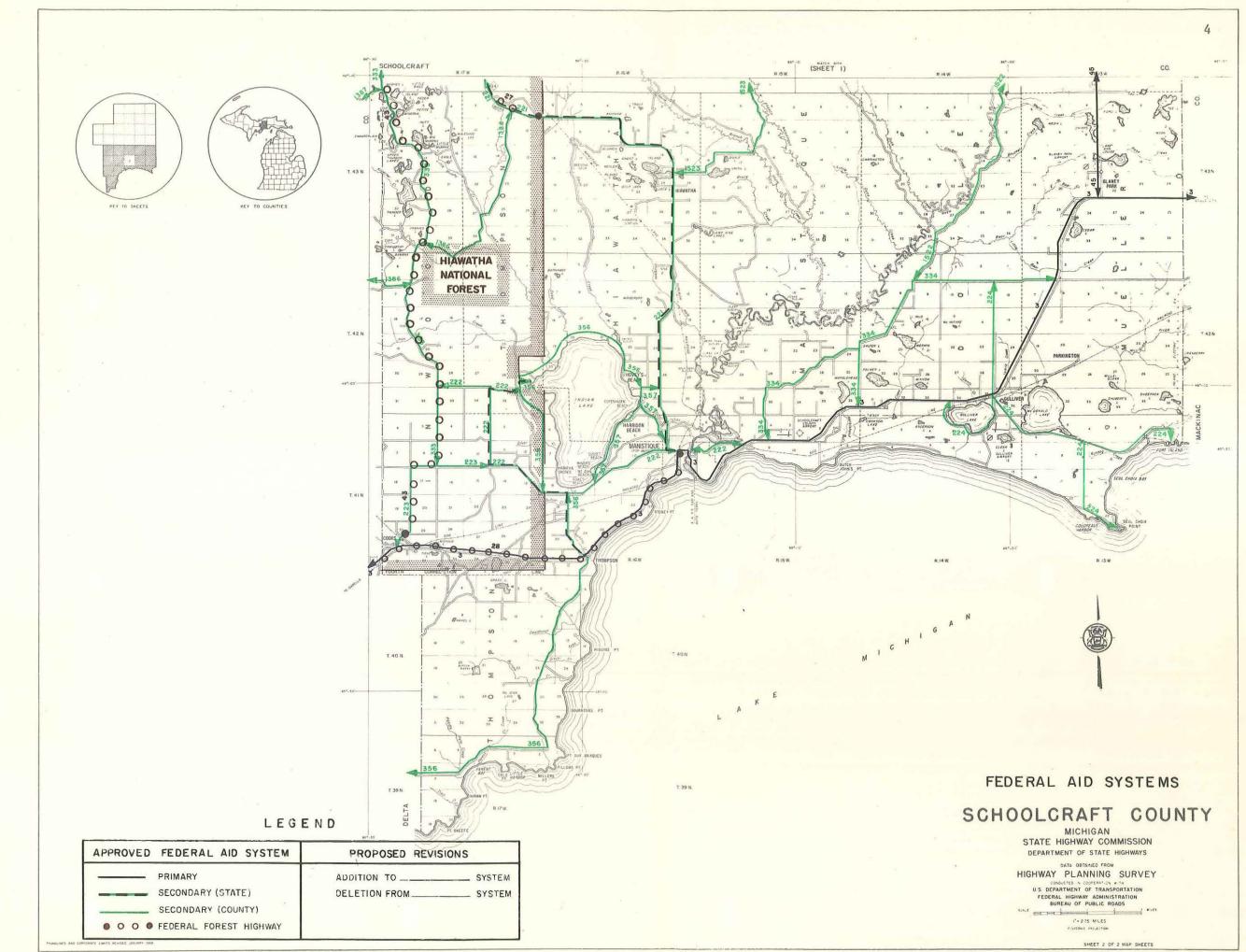
Scope

The intent of this program is to improve traffic safety on all Michigan streets and roads by expanding the traffic engineering evaluation of factors causing accidents, and by providing uniform standards for traffic control to reduce the likelihood and severity of traffic accidents.

Study Procedures

The study procedures for this project involve a review of high accident locations and an inventory of traffic control devices. The review of high accident locations includes: basic data collection, identifying and locating high accident locations, an accident analysis of these high accident locations, technical evaluation of accident facts and consequent remedial recommendations. The traffic control devices inventory includes: surveying traffic control devices, tabulating the field data, determining priorities for replacement of traffic control devices and calculating a cost estimate for this replacement. The inventory of all the traffic control devices on the County Primary Road System in Schoolcraft County was completed in October 1971. The results including the work sheets and quantity sheets are found in the appendix.





SCHOOLCRAFT COUNTY

TRAFFIC ENGINEERING ANALYSIS

Control Devices Inventory

Collection of field data. In the traffic control devices inventory, all county-maintained control devices on the County Primary Road System, including the Federal-Aid Secondary Routes, within Schoolcraft County were surveyed. All county-maintained signs on this system were inventoried including "STOP" and "YIELD" signs on other roads which intersect with the inventoried routes. Traffic control devices which are adequate in their present state, were tabulated by the field crews and are included on the quantity sheets, but not the work sheets. Additional traffic control devices and those in need of replacement were located by establishing their distance in miles from a major crossroad, city or village limit, or the county line.

All signs on the County Primary Road System were inventoried by driving west to east or south to north, depending on the basic direction of the route. In the case of two intersecting inventoried routes, the "STOP" and "YIELD" signs at such intersections were inventoried on their respective routes.

Traffic Control Orders for speed zones on the County Primary Road System were checked with the Department of State Police. All areas along the inventoried routes were checked to ensure compliance with these Traffic Control Orders, as well as the "Michigan Manual of Uniform Traffic Control Devices".

This study does not include a check of Traffic Control Orders for parking prohibitions and restrictions. It is suggested that as a part of the general sign upgrading efforts of the County Road Commission, all no-parking zones be checked in the field to ensure their conformance to the Traffic Control Orders and the "Michigan Manual of Uniform Traffic Control Devices".

Conversion of field data. Two simple forms (Work Sheets and Quantity Sheets) were developed upon which to record the collected field data. This should enable the Schoolcraft County Road Commission's personnel to determine the necessary work which must be done at particular locations and, also, the total amount of work to be done county-wide and per route. These sheets are located in the Appendix of this report.

The work sheets are the forms which the county will use to do the actual field work. There is a work sheet for each inventoried route where work is necessary. Reference points are measured from major crossroads, city or village limits, or the county line. The "Location" column on this sheet refers to the side of the road where work must be done. There is also a "Priority and Description" column. The "Priority" portion of this column lists five different priorities; three of these relate to sign work and the remaining two relate to sign support work. These priorities are as follows:

Sign Work

- Priority 1 Work which should be completed as soon as possible.
- Priority 2 Work which should be completed when existing signs are in need of maintenance.
- Priority 3 Work that would be beneficial to the guidance of traffic although, if not completed, would not specifically affect traffic safety.

Sign Support Work

- Priority A Work which should be completed as soon as possible.
- Priority B Work that would be beneficial to the guidance of traffic although, if not completed, would not specifically affect traffic safety.

The quantity sheets show the number of signs by type and total number of signs by route. The total number of signs includes those signs which are needed and are not presently in place, replacement of existing signs, and signs requiring no change. The quantity sheets further list those signs which are in poor condition, signs which are obsolete, signs needed, and the total number of signs which must be replaced by type per route and by type county-wide.

Signs. It is expected that the revised edition of the "Michigan Manual of Uniform Traffic Control Devices" will be issued in 1973 and will be in accordance with the 1971 National Manual. Therefore, we recommend that the placement of signs not be undertaken until receipt of the revised Michigan Manual.

Regulatory: A comprehensive study of traffic control devices on the Schoolcraft County Primary Road System has established a need for installation or maintenance of approximately 42 percent of the required regulatory signs. The primary reason for this deficiency was the lack of "STOP" (R1-1) and "BRIDGE WEIGHT LIMIT" (R3-29) signs.

There is one location along the inventoried route where a speed control sign is in place, but is not legal, due to the lack of the necessary Traffic Control Order. We have noted on the work sheet that the sign relating to this illegal speed restriction should be removed. However, if it is felt that this speed control sign is necessary, the Schoolcraft County Road Commission should contact the Department of State Police and pursue the legal requirements for determining and establishing speed restrictions. The area in question is:

County Primary Road No. 433 - between US-2 and a point 0.038 miles east (25 mph) (1 sign).

Warning: The inventory indicates a need for the installation of approximately 54 percent of the required warning signs. The most evident deficiency is the need for additional Turn (W1-1), Curve (W1-2) and "ONE LANE BRIDGE" (W5-3) signs, and Obstruction (W12-9) panels.

It should be noted that "STOP AHEAD" (W3-1) and "YIELD AHEAD" (W3-2) signs on roads intersecting inventoried routes have not been inventoried or checked for compliance with the MANUAL.

The traffic control devices inventory revealed a need for Obstruction (W12-9) panels at locations in School-craft County where the clear roadway over a structure was less then 19 feet wide or where culverts or bridge railings were four feet or less from the pavement edge. It is permissible to use reflective liquids in place of the Obstruction panels where the liquid would not be hidden by weeds growing along the road. For the purpose of estimating costs, we have assumed that Schoolcraft County will use the Obstruction panels at all obstructions.

<u>Guide:</u> The guide signing in Schoolcraft County consists mainly of County Route Markers that are not reflectorized.

No Passing Zones. It was noted that there were approximately 112 no-passing zones designated by signs and/or markings on the County Primary Road System in Schoolcraft County. A no-passing zone is defined as a section of roadway having insufficient passing sight distance. It is recommended that, as time and resources of the County Road Commission permit, a field survey be completed on all sections of hard-surfaced roads where sight distances are restricted. Such a field survey should result in any necessary corrections being made to the limits of existing no-passing zones and in the establishment of new zones where necessary.

After the field survey is completed, no-passing zones should be indicated by solid yellow lines applied along the limits established by the survey. Then "DO NOT PASS" (R3-17) and "PASS WITH CARE" (R3-18) signs may (at option of the County Road Commission) be placed at the limits of the no-passing zones.

Also, it should be noted that Public Act 224 of the Public Acts of 1971 refers to no-passing zones and states, in part, "...be-ginning January 1, 1973, a sign shall be placed to the left of the roadway on those portions of a highway WHERE ADDITIONAL NOTICE IS DEEMED NECESSARY". When left-side signs are placed in accordance with this legislation they shall be "NO PASSING ZONE" (W14-3) signs.

Pavement Markings at Railroad Crossings. The approach lanes at several of the railroad crossings are not properly marked. Beginning with the 1973 pavement marking season, the pavement marking in advance of a railroad crossing shall consist of an X, the letters RR, centerline markings to indicate no passing, and certain transverse lines. Such markings shall be white except for the no-passing zone. They shall be placed on all paved approaches to railroad crossings and, if physically feasible, at all grade crossings where railroad crossing signals or automatic gates are operating, and at all other crossings when the prevailing speed of highway traffic is 40 mph or greater.

The markings shall also be placed at crossings where engineering studies indicated there is a significant potential conflict between vehicles and trains. At minor crossings or in urban areas, these markings may be omitted if engineering studies indicate that other devices would provide suitable protection.

Cost estimate for materials and labor. The cost estimate for acquiring necessary materials for the work shown on the work sheets, including labor costs involved in installing supports, or straightening signs or supports, is as follows:

Priority 1 \$ 6,558.

Priority 2 115.

Priority 3 0.

ACCIDENT ANALYSIS

In an attempt to fulfill all the aspects of Standard 4.4.13, a determination of the high accident locations for School-craft County was undertaken. The Department of State Police transmitted to the Traffic and Safety Division of the Department of State Highways, 12 high accident locations (county roads only). These locations were selected on the basis of the 1969-1971 accident experience. Total accidents was the only criteria, as severity of accidents was not considered.

The accident picture on county roads only, as indicated by the Department of State Police booklet "Michigan Traffic Accident Facts", reveals that over the three-year period, 1969-1971, Schoolcraft County ranked 69th, 72nd and 75th in total number of accidents as compared with the other 82 counties. Over the five-year period from 1967-1971 Schoolcraft County ranked 75th in total motor vehicle deaths county-wide. These county-wide figures for Schoolcraft County do not indicate an alarming accident criticality.

An accident analysis of the 12 high accident locations also did not reveal a serious problem. There were 60 accidents at these locations during the three-year study period. The number one location had nine accidents in three years while location 12 had only three. Single vehicle ran-off roadway accidents accounted for 72 percent of the total accidents at the 12 locations. Adverse weather conditions, excessive speed and driving while under the influence of alcohol contributed heavily to the total accidents and especially to the ran-off roadway accidents. Almost 37 percent of the accidents occurred during adverse weather with 15 percent occurring on wet pavement and 22 percent occurring on snowy or icy pavement. Excessive speed was reportedly responsible for 60 percent of the total accidents and 70 percent of the ran-off roadway accidents. Almost 27 percent of the drivers

were under the influence of alcohol, while altogether 45 percent of the drivers had been drinking to some extent. It is our opinion that these locations would require no special traffic engineering attention over and above the Traffic Control Devices Inventory which is found in this report.

APPENDIX

County Schoolcraft

Sheet 1 of 4

Route County Wide Regulatory

Direction of Route_____

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
R1=1-24	123	3		57	60
R1-1-36	2				
R1-2-36	4		3		3
R2=1=24 (25)	4				
R2-1-24 (35)	7				
R2_1_24 (40)	5		·	1	1
R2_1_24 (45)	12				
R2_4_24	1			1	1
R3-17-24	11				
R3-18-24	11			1	1
R3-29-18 (5tons)	6			4	ц
R3-29-18 (10 tons)	9			ц	4
R3-29-18 (15 tons)	7			5	5
R3-29-18 (20 tons)	4	4			4
R4-1-12	6				
BRIDGE AHEAD	9			9	9
Totals	221	7	3	82	92
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		1			
NSS					
		<u> </u>	<u></u>	<u> </u>	

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Sheet 2 of 4

County Schoolcraft

Route County Wide Warning

Direction of Route_____

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
Wl-l-30 R	24			17	17
W1-1-30 L	23			17	17
W1-2-30 R	45			25	25
W1-2-36 R	5	2		1	3
∞W1-2-30 L	45			22	22
W1_2_36 L	5	3			3
W1-3-30 R	4			4	4
W1-3-30 L	4			4	4
W1_4_30 R	8			6	6
W1_4_30 L	9				
W1-5-30 R	Ž\$			2	2
W1-5-30 L	10			8	88
W1_5_36 L	1	1			1
W1-6-48	16_				
W1-7-48	5		11		1
W3_1_30	3			1	1
N3-1-36	1				
W4_2_36	11_			1	<u> </u>
N4_4_36	11			<u> </u>	1
W5-1-30	55			5	
V5-3-30	14	2		11	13
√8=3=30	5			5	5
W9-1-30	7				
V9_6_36	5			4	4
W10-1-36	. 8				
10-2	6				

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County_	Schoolcraft	

Sheet _____3___of ___4_

Route County Wide Warning

Direction of Route_____

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
W10-2 with Flashers	4				
Wll-1-36 with Flashers	2				
W12-1-21 (10)	2	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		22	2
W12-1-21 (15)	8	And the second s		8	8
W12-1-21 (20)	11			9	9
W12_1_21 (25)	3			3	3
W12-1-21 (30)	15			3	3
W12-1-21 (35)	27			3	4
W12-1-21 (45)	4	1		1	2
W12-3-30	1	·		1	1
W12_4_30	1 1				
W12-9 R (12 x 36)	26			20	20
W12_9 L (12 x 36)	28			22	22
W12-9 R (24 x 48)	4				1
W12-9 L (24 x 48)	4	1			1
NARROW WINDING ROAD DRIVE WITH CARE	5				
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County_Schoolcraft

Sheet_

Route County Wide Guide

Direction of Route____

		No Chana A I	POOR	APAN ME	SIGN	TOTAL TO
LEGEND		TOTAL	CONDITION	OBSOLETE	NEEDED	TOTAL TO REPLACE
G2_1		1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
G2_2		6	1000			9
G2_3		3				
G2_4		5				
G3_3		1				
G37		1				6.
G3_9		4	AND THE PROPERTY OF THE PROPER		i	
County Route Marker		132				
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Chase	_	- L	

222 County Road 453

		**			
p Squatte	REFERENCE		LOCATION		PRIORITY & DESCRIPTION
133 C C C C C C C C C C C C C C C C C C	C County Rd 437	0,000			Blacktop, White Skip, No Pass Yellow
	C County Road	1,002			
not to the second	E County Road	0.000			
		0.825	South Side	1	Erect W1-2-30R & W12-1-21(45)
no francisco	r m-149	1.207			
			FAS 222 County Ro	ad 442	
	C M-149	0,000			Blacktop
	,	0,303	South Side	1	bottom Replace W1-2-36L & Relocate W12-1-21(35) to
	C County Road	0,610		PRODUMENTAL STATES	
(00)		0.692	North Side	1	bottom Replace W1-2-36R & Relocate W12-1-21(35) to
	r County Road 44	1.151			
	C County Rd 441	0,000			
		0 . 559	South Side	1	W12-1-21(35) to bottom Replace W1-1-36R w/ W1-2-36R & Relocate
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of longer		1.326	South Side	1	bottom Replace W1-2-36L & Relocate W12-1-21(35) to
		1,708	North Side	1	bottom Replace W1-2-36R & Relocate W12-1-21(35) to
		2.434	South Side	2	Relocate W12-1-21(35) to bottom W1-2-36R
		2.741	North Side	2	Relocate W12-1-21(35) to bottom W1-2-36L
	W. Manistique City Limits	2 ,932			
			FAS 222 County Ro	ad 439	
Administration	E. Manistique City Limits	0,000			Gravel HIGHWAY LIBRARY
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					LANSING, MICH.
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County Schoolcraft

Route FAS 222 Co Rd 453

Direction of Route WEST TO EAST

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				.	
LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
R1-1-24	3		·		
		·			
₩1230 R	1			1	1
W1-2-36 R	. 4	2		11	3
W1-2-36 L	4	3			3
W1-2-36 L W1-6-48	2				
W12-1-21 (35)	8				
W12-1-21 (45)	1	FORTO (MXTATING MODEL)		1	1
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G2-3	1				
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FAS 223 County Road 442

<u> </u>	REFERENCE		LOCATION		PRIORITY & DESCRIPTION
	r us∞2	0,000			Blacktop, White Skip, No Pass Yellow
	@ County Road		West Side	1	Replace R1-2-36 w/ R1-1-24
	C County Road	0.093			
		0.177	East Side	2	Relocate W12-1-21(35) to bottom W1-2-30R
£31		0.417	West Side	2	Relocate W12-1-21(35) to bottom W1-2-30L
3 7 04-01		0.534	East Side	2	Relocate W12-1-21(30) to bottom W1-2-30R
570 <u>)</u>		0,551	East Side	1	Replace R1-2-36 w/ R1-1-24
(#3 		0.735	North Side	2	Relocate W12-1-21(30) to bottom W1-2-30L
		0.779	South Side	2	Relocate W12-1-21(35) to bottom W1-2-30L
J(?)	C County Road	0.882			
	C County Road	0.000			
	@ County Road		East Side	1	Replace R1-2-36 w/ R1-1-24
310000000000000000000000000000000000000		0.075	East Side	2	Replace R1-2-36
		0.254	West Side	2	Relocate 1/12-1-21(35) to bottom 1/1-2-30R
	@ County Road		West Side	1_	Replace R1-1-24
	C County Road	0,537	PRAFFS		
and the second second	@ County Road		East Side	l	Replace Ri-1-24
	© County Road		West Side	1	Replace Rl-2-24 w/ Rl-1-24
<u> </u>	E County Road	1,551			
no (17 = 12 standards	E County Road	0,000			W12-1-21(35) to botto
To Company	100 mm	0,808	East Side	<u>1</u>	Replace W1-1-30R w/W1-2-30R & Relocate
	C County Road	1.025			
	C County Road	0,000			
		0.207	North Side	2	Wl2-1-21(35) to bottom Replace Wl-1-30L w/Wl-2-30L & Relocate
	C County Rd 437	0,991			
	E County Rd 137	0,000			
	C M-149	2.027			

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County Schoolcraft

Sheet 1 of 1

Route FAS 223 Co Rd 442

Direction of Route South to North & East to West

G 991 45 100 L a 5%	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
R1-1-24	13	2		4	6
R1=2=36	1 1		1		1
					12 co
W1-2-30 R	4	· · · · · · · · · · · · · · · · · · ·		1	1
W1_2_30 L W1_6_48	4			1	1
W1_6_48	2				
W10-1-36	2	THE STREET COLOR OF VICTOR			
W10-2 w/Flashers	2				
W12_1_21 (30)	2				
W12=1=21 (30) W12=1=21 (35)	6	ANY DIGHTAN			
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G2 w2	2				
G2_4	2	and was a second and a second a			
County Route Marker	5				
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		11100			·
500		770.7			
					· .
		TOTAL SECTION			
	 			<u> </u>	

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	_	~6		

FAS 224 County toad 431

1			/3.41		
al Parameter	REFERENCE		LOCATION	and the same of th	PRIORITY & DESCRIPTION
	· Coast Guard Sta	0,000	, · · · · · · · · · · · · · · · · · · ·		Gravel
	(0.055	South Side	1	Replace CAUTION CHILDREN w/ N9-6-36
· stranger		1.015	South Side	1	Replace W1-5-36L
		1.408	North Side	1	Erect W12-1-21(15) on W1-1-30R
(2) th	· ·	1.674	West Side	1	assembly 2001 South Erect W12-1-21(15) on W1-1-30L & Relocate
	<u>)</u>	1.080	West Side	1_	Erect W12-3-30
	C County Road432 L	1.100			
n co-filtranien			FAS 224 Co Rd 432		
	@ Port Inland (0,000			Blacktop, White Skip, No Pass Yellow
· -{**}	(0,106	East Side	_ 2_	Relocate W12-1-21(45) to bottom W1-2-36L
· Namerica de mice	()	0.519	South Side	2	Relocate W12-1-21(45) to bottom W1-2-36R
	@ County Rd		South Side	2	Replace R1-2-36
	E County Rd]	1.685	:		
	C County Rd (0.000			
	@ County Rd		North Side	2	Replace R1-2-36
	C County Rd 431 2	2.246			
 	C County Rd 431 (0.000			
	E County Rd 2	2.728			
	C County Rd (0,000			· ·
65.3	E County Rd (0,687			
	C County Rd 434	1.383			
. J. J.	C County Rd 434 (0.000		-	
		0.150	West Side	_ 1	Remove W10-1-36
	r us-2	o .1 68			
C.J.	E US-2	0.000			
	@ County Rd	Ş	West Side	1	Replace R1-2-30 w/ R1-1-24

	_		
	- 2		า
Shoot		n f	ر

224 County Road 432

.81	REFERENCE		LOCATION	PRIORITY & DESCRIPTION				
	C County Road	0 <u>.1</u> 58		annan Odrina				
	C County Road	0,360						
A/(© County Road		East Side	1	Replace R1-2-36 w/ R1-1-24			
		1.875	East Side		Erect 18-3-30			
<i>9</i> 00	And the second s	1,989			Pavement Ends			
		4.266			Begin Blacktop			
	Il County Rd 433	ц.362						
The state of the s	PARTY AND		FAS 224 County Rd	<u> 1431</u> 4				
	C US-2	0,000			Blacktop, White Skip, No Pass Yellow			
-{`}		0,035	West Side]_	Erect W12-1-21(15) on W1-1-30R			
	@ County Road		East Side		Erect R1-1-24			
(5 ° 7)	E County Road	0,131						
		0.132	East Side		Replace Rl-2-36 w/ Rl-1-2L			
		0,136	South Side	1	Replace R1-2-36 w/ R1-1-24			
M Mariana		0,236	South Side	J	Erect W12-1-21(15) on W1-1-30L			
P. PERSONAL PROPERTY OF THE P.		0,365	North Side	1	Remove MARROW WINDING ROAD DRIVE WITH CARE			
	anning and the second s	0.457	West Side	1	Erect V1-1-30I, & V12-1-21(20)			
		0.680	North Side	1	Erect V1-1-30R & V12-1-21(20)			
Communication of the Communica		0,910	South Side	1	Erect W1-5-30L			
South		1,306	South Side	1	Erect 71-5-30L & W12-1-21(20)			
1 - de secuente		1.353	North Side	1	Erect W1-5-30R			
		1.721	North Side	1	Erect V1-5-30L & W12-1-21(20)			
		1,838	South Side	1	Erect W1=1=30L & W12-1-21(20)			
		2.07կ	West Side	1	Erect V1-1-30R & V12-1-21(20)			
		2 .1 59	East Side	1	Srect W1-5-30L			
	The state of the s	2,414	East Side	ı	Erect W1-2-30L			

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FAS 224 County Road 434

[3]					
	REFERENCE		LOCATION		PRIORITY & DESCRIPTION
	@ County Rd		West Side	1	Replace R1-2-36 w/ R1-1-24
	L County Rd	2.425			
	C County Rd	0.000			
	© County Rd		East Side	1	Replace R1-2-36 w/ R1-1-24 w/ W1-5-30R & W12-1-21(35)
		0.057	West Side	1.	w/ W1-5-30R & W12-1-21(35) Replace NA ROW WINDING ROAD DRIVE WITH CARE
		0,322	West Side	1	Erect W1-2-30R
	@ County Rd	· · · · · · · · · · · · · · · · · · ·	West Side	1	Replace R1-2-36 w/ R1-1-24
	C County Rd	0,366	·		
		0.417	East Side	1	Erect R2-1-24(40) & R2-4-24
	@ County Rd		West Side		Replace R1-2-36 w/ R1-1-24
	E County Rd	0,656			
pri distillarendi	C County Rd	0.715			
	@ County Rd	echianically sale of the company of	East Side	1	Replace R1-2-36 w/ R1-1-24
0.000	C County Rd	0.925			
A Company	C County Rd	0,000			
		0.408	East Side		Erect W3-1-30
	@ County Rd 432		East ^S ide	1	Replace R1-2-36 w/ R1-1-2h
10,504 10,504 10,504	C County Rd 432	0.559			
			·		
- m	·			-months	
	namen and the second of the se				
Ta management		WASHING CONTRACTOR			
657 200		· · · · · · · · · · · · · · · · · · ·	energy (constraint and constraint an		
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SPL Form - 61

County_Schoolcraft

Rouse FAS 224 County Rd 431

Direction of Route West to East

Sheet _____ of ___ 2

LEGEND		TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
R1=1=24		20			11	וו
R1-2-36		2		2		2
R2-1-24 (40)		5			1	1
R2-4-24		1			1 1	1
			- The state of the			
W1-1-30 R		4			2	2
W1-1-30 L		Lų.		·		2
W1-2-30 R		1			1	1 .
W1-2-36 R		1				
W1-2-30 L		1 1			11	11
W1-2-30 L W1-2-36 L	, , , , , , , , , , , , , , , , , , ,	1		,		
W1-5-30 R		2		Commence of the commence of th	2	2
W1-5-30 L		L L			4	4
W1-5-36 L		1	1			1
W1-7-48		11_				
W3-1-30		2	- AND -		11	1
W8-3-30	· .	1			1	1
W9-1-30		2				
W9-6-36		1			1 1	1
W10-1-36		3				
W10=2		2	AND THE SERVICE OF TH			
W10-2 with Flashers		2	730000000000000000000000000000000000000			
Wll-1-36 with Flashers		2	And the second s			
W12-1-21 (15)		Ţţ			4	4
W12-1-21 (20)		6	THE STATE OF THE S		6	6
W12-1-21 (35)		1			1	1

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County Schoolcraft

2

Route FAS 224 County Road 431

Direction of Route West to East

		POOR		SIGN	TOTAL TO
LEGEND	TOTAL	CONDITION	OBSOLETE	NEEDED	TOTAL TO REPLACE
W1Z-1-21 (45)	2				
W12-3-30	1			1	1
W12-4-30	1	· · · · · · · · · · · · · · · · · · ·			
			·		(6)/12/LNO
G2 2			<u>.</u>		. 005
VI Z, COL	2				
County Route Markers	15				21 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
				1 -	
Total	95	1	2	Jt0	43
2. ************************************		THE STATE OF THE S			
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Contribingly Contribing to the Contribing of the Contribution of the					
	WASHING WASH	, v ₁₀ , <u>0</u>			
		200 dd dd 200 dd 2			
	<u> </u>	· · · · · · · · · · · · · · · · · · ·		1	

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* Par 60 C		V6	

FAS 225 H44

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
E M-77 0.000	. '		Blacktop, White Skip, No Pass Yellow
0.051	South Side	1	W12-1-21(35) Replace W1-1-30L w/ W1-2-30L & Erect
0,101	North & South	1	Replace W12-9R&L (24x48)
0.368	West Side	1	W12-1-21(35) Replace W1-1-30R w/W1-2-30R & Erect
0,592	East Side	2	Relocate W12-1-21(30) to bottom W1-1-30L
0.592	North Side	2	Relocate W12-1-21(30) to bottom W1-1-30R
© County Rd 2,392			
C County Rd 0,000			170 7 07 (2°C) 1 1 1 1 0 20T
0,326	South Side	1	W12-1-21(35) to bottom W1-2-30L Replace V1-1-30L w/ V1-2-30L & Relocate
0 <u>.</u> 640	North Side	1	W12-1-21(35) to bottom W1-2-3OR Replace W1-1-3OR w/W1-2-3OR & Relocate
East Schoolcraft	South Side	1	W1-2-30R Replace & Relocate W12-1-21(45) to bottom
County Line 1.685			
1.3			
Commission of the Control of the Con			
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County Schoolcraft

Route FAS 225 H44

Direction of Route West to East

Sheet 1 of 1

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
R1=1=24	2				
				·	
W1_1_30 R	111				
Wl.1-30 L	1				
W1.2-30 R	3			2	2
Wl-2-30 L	3_			2	
W1-6-48	8				
W12_1_21 (30)	2				
W12-1-21 (35)	4			2	. 2
W12_1_21 (45)	11	1			1
W12-9 R (24x48)	4	1		v	1
W12_9 L (24x48)	4_	1			1
		'	·		
	1				
G2_4	1				
∫ G3_3	1			1	
<u>G3-7</u>	1		<u> </u>		
G3 - 9	4				
County Route Marker	2				
County Route Marker H44	5				
Total	L ₁ 8	3		6	9
					. ,

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	7	. 1	
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FAS 227 Co Rd 456

		··		
REFERENCE		LOCATION	PRIORITY & DESCRIPTION	
Line E.Schoolcraft Co	0.000			Gravel
	2.841	East side	1	Erect W1-1-30 L
1 1-7	3.068	South side	1	Eredt W1-1-30 R
	3.409	South side	1	Erect W5-1-30
	3,902	North side	1	Erect W5-1-30
	5.777	South side	1	Erect W5-1-30
	5.777	North side	1	Erect W1-2-30 L
·	5.810			begin blacktop
	5,909	South side	1	Erect W8_3-30
	6,147	South side	1	Erect W1-2-30 R
<u> </u>	6,288	North side	1	Erect W1-1-30 R & W12-1-21 (25)
	6,496	West side	1	Erect W1-1-30 L & W12-1-21 (25)
C Co Rd	6,601			
@ Co Rd		East side	1	Replace R1-2-36 w/ R1-1-24
and to	6.620	East side	1	Relocate W10-1-36 300° South
	6,629	West side	1	Relocate W10-1-36 300° North
C Co Rd	6.639			
C M 28	6.702	·		
550)				
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County Schoolcraft

Sheet _____of ____

Route FAS 227 Co Rd 456

Direction of Route South to North

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
R1-1-24	3			1	1
W1-1-30 R	2			2	2
W1-1-30 L	2	and the second s		2	
W1-2-30 R W1-2-30 L	1 1			1	1
	1 1	- ASSOCIATION		1	1
W5-1-30	3			3	3
W8-3-30	1			1	<u> </u>
W10-1-36	2				
W10-2 W12-1-21 (25)	2				
	2			2	2
·					
County Route Markers	1 1	300			
Total	20			13	13
120/03 2000					
		and the second s			
The second state of the se					
		PHONE STATE OF THE			
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Sheet		αf	-

FAS 333 County Road 437

	West of the second seco				
(1) (1) (2)	REFERENCE		LOCATION	PRIORITY & DESCRIPTION	
	C County Rd 142	0,000			Blacktop, White Skip, No Pass Yellow
	E County Rd	1.026			
	C County Rd	0,000			
	E County Rd 453	2,013			
[<u></u>	C County Rd 453	0,000		77-47-47-50MMI	Road Under Construction
1600 1600 1600 1600 1600 1600 1600 1600	© FFH 2219	www.wise.wo	West Side	Ţ	Replace R1-2-30 w/ R1-1-21
<u> </u>	C FFH 2219	0,709			
.33/	C FFH 2219	0,000			
	E County Rd 143	3 . 653			
-(<u>(</u>	E County Rd 443	0,000			
	© County Rd 443		East Side	Λ	Raise R1-1-24 to 6! bottom Height
		0,568		and the second s	Return to Old Road
		1.36L			End Construction
) 	County Rd 449	1.724			
- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	E County Rd 449	0,000			
U ₁	C County Rd	1.769			
	C County Rd	2,336			
	E County Rd	0,000			
	C FFH 2438	2.046			
.,	I FFH 2438	0,000		The state of the s	
	C FAS 1387	2,297			
	r fas 1387	0.000			
(5.)		1.875	East Side	1	Erect W1-2-30R
	C County Rd	2.046			
****	C County Rd	0.000			
		0.076	West Side	1	Erect W1-2-30L
					4

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Shaat	~	Αŧ	۲

FAS 333 County Road 437

	REFERENCE	LOCATION		PRIORITY & DESCRIPTION
	C County Rd 445 0.196			
	0,521	South Side	1	Erect W12-9L (12x36)
	0,568	South Side]	Erect W129R (12x36)
938	0,658	South Side	1	Erect W12-9L (12x36)
	0,682	South Side	1	Erect W12-9R (12x36)
	r FFH 2213 1.599			
	C FFH 2213 0,000			
	@ FFH 2 21 3	South Side	1	Replace R1-2-36 w/ R1-1-24
	0,360	South Side	1	Erect W1-1-30R
104	0,568	North Side	1	Erect W1-1-30L & W12-1-21(25)
	1,136	South Side	1	Erect W1-2-30L
	1,383	North Side	1	Erect W1-2-30R
	<u>г</u> м-94 1.806			
	·		Company of the Article	
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7.247 7.236				
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NATIONAL DE LA CONTRACTOR DE LA CONTRACT	and the second s		**************************************	
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199	N.C.		***************************************	

County Schoolcraft

Sheet _____of ___

Route FAS 333 Co. Rd. 437

Direction of Route South to North

		_	ar og <u>til stalleng kræst i mennyng og skræst fræ</u> t beskræste av det en en en et i stallengen.	and in will make managers with the summary or springs and springs.	
LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
R1_1_24	10			2	2
R1-1-36	1				
45.		TO THE REAL PROPERTY OF THE PR	:		
W1-1-30 R	1	And the state of t		1	1
W1-1-30 L	1	And the second s		1	1
W1-2-30 R	2	7,500		2	2
W1-2-30 L	2			2	2
W3 1 36	1				
W12-1-21 (25)	1			1	1
W12-1-21 (25) W12-9 R (12x36) W12-9 L (12x36)	6	The state of the s		2	2
W12-9 L (12x36)	6	***		2	2
		(1000) (1000) (1000) (1000) (1000) (1000) (1000)			
NARROW WINDING ROAD DRIVE WITH CARE	3	· · · · · · · · · · · · · · · · · · ·			
		- The state of the			
G2-2	11				
G2-4	2				
County Route Markers	16				
		The state of the s			
Total	53			13	1.3
				<u>.</u>	

		The state of the s			
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FAS 334 County Road 438

REFERENCE		LOCATION		PRIORITY & DESCRIPTION
TC US=2	0,000			Blacktop, White Skip, No Pass Yellow
T. County Road	1.768			
E County Road	0,000			
© County Road		East ^S ide	1	Replace R1-1-24
E County Roadl33	0.497		3.	
	······································	FAS 334 County Rd	433	
L US=2	0.000			Blacktop
	0,217	East Side	2	Relocate W12-1-21(35) to bottom W1-2-30L
	0.445	East Side	2	Relocate W12-1-21(35) to bottom W1-2-30R
£	0.492	West Side	2	Relocate W12-1-21(35) to bottom W1-2-30H
@ County Rd		dest Side	ļ	Replace R1-2-30 w/ R1-1-24
E County Rd	0,553			
Ex. 3	0.674	West Side	2	Relocate W12-1-21(35) to bottom W1-2-30L
	0,693	East Side	1	W1-4-30L Replace & Relocate W12-1-21(35) to bottom
C County Rd	1,117			
County Rd	0,000		***	
© County Rd	:	East Side	1	North Replace R1-2-24 w/ R1-1-24 & Relocate 50'
	0.021	West Side	2	Relocate W12-1-21(35) to bottom W1-4-30L
	0,862	East Side	2_	Relocate W12-1-21(35) to bottom W1-2-30R
@ County Rd		West Side		Replace R1-2-36 w/ R1-1-24
C County Rd	1,009		а	
C County Rd	0,,000		V	
	0.142	North ^o ide	2	Relocate W12-1-21(35) to bottom W1-2-30L
C County Rd	0,500			
@ County Rd		North Side	2	Replace W1-7-48
E County Rd	<u> </u>			

2 1	Shame 2 of 3	_		
	thans ² at 3	2		~

FAS 334 County Rd 433

Constant	REFERENCE		LOCATION		PRIORITY & DESCRIPTION
	C County Rd	0.000		-	
	@ County Rd		North Side	1	Replace R1-2-3 6 w/ R1-1-24
	E County Rd	1.361			
	C County Rd	0.000	-		
	E County Rd	0.557			
	@ Section 13 Rd		North Side	1	Replace & Relocate R1-1-24 60' South
-(1)	E Section 13 Rd	1,199			
V. G.S	C Section 13 Rd	0,000			
	E County Rd 438	0.514			
43	E County Rd 438	0,000			
amarch	·	0.025	East Side	2	Relocate W12-1-21(20) to bottom W1-1-30R
	· ·	0,365	North Side	2	Relocate V12-1-21(20) to bottom V1-1-30L
a managaran de l'Ale	Administration conservation of the constraint of	0,720	South Side	1	Erect W8-3-30
- Janes		0.823			Begin Gravel
(·		1.068	South Side	2	Relocate W12-1-21(30) to bottom W1-2-30L
-)		1.418	North Side	2	Relocate W12-1-21(30) to bottom W1-2-30R
	@ County Rd		West Side	1	Replace R1-2-36 w/ R1-1-24
V 23	E County Rd	2,391			
	C County Rd	0,000		·	
	@ County Rd		East Side	1	Replace R1-2-36 w/ R1-1-24 W12-1-21(30)
-		0.554	South Side	1	Replace W1-4-30R w/ W1-3-30R & Erect W12-1-21(15)
	ood at the occupant as a set behave to the occupant of the occupant occupant of the occupant o	1.053	South Side	1	Replace W1-2-30R w/ W1-1-30R & Erect W12-1-21(30)
C.V		1.083	North Side	1	Replace W1-4-30R w/ W1-3-30R & Erect
	C County Rd 436	1.226			
(•J)	C County Rd 436	0,000			
		0.162	North Side	1	W12-1-21(15) Replace W1-2-30L w/ W1-1-30L & Erect

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FAS 334 County Rd 433

	REFERENCE	LOCATION		PRIORITY & DESCRIPTION
	E County Road 1.	003		
	C County toad 0.	000		
	@ County Road	South Side	1	Replace R1-2-36 w/ R1-1-24
	1.0	956		Begin Blacktop, White Skip, No Pass Yellow
	E County Rd 432 2.	017		
· ments to —		000		
		057 North Side	1	Erect W8-3-30
	C US-2 2.	462		
			mind _e prince more accountable to the second	
727000000				
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843		770.000.000.000.000.000.000.000.000.000		
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County Schoolcraft

Sheet _____ of _____

Route FAS 334 Co. Rd. 438

Direction of Route South to North

LEGEND	TOTAL	POOR	OBSOLETE	SIGN	TOTAL TO
R1_1_24	14	CONDITION		NEEDED	REPLACE
	Teh	1		88	9
Wl_1_30 R					
W1-1-30 L	2			1 ,	1
The case h	2		·	1	1
W1-2-30 L	14	(18 000000	·	•	
	14	A CONTROL OF THE PROPERTY OF T			
W1-3-30 R W1-4-30 L	2 4	THE STREET STREE		2.	2
W1_6_48	4	- And the state of			
W1_7_48	2		1		1
W8-3-30	2	TREAS.	4	2	2
	2	-		<i>~</i>	~
W12-1-21 (15)	2			2	2
W12=1=21 (20)	2				2
	4	The second secon		2	2
W12_1_21 (30)					2
W12-1-21 (35)	8	1			1
W12-9 R (12x36)	2	- VANCANINI - V			
W12_9 L (12x36)	2				
	-				
The latest section of		inin laman and a state of the s			
County Route Markers	10				
Total	1	m.	40	7.0	
· · · · · · · · · · · · · · · · · · ·	92	2	1	1,8	21
		2002			
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Sheet	-	αf	

FAS 335 H42

	REFERENCE		LOCATION		PRIORITY & DESCRIPTION
	T M-77	0,000			Blacktop, White Skip, No Pass Yellow
	@ County Rd	0,000	North Side	1	Replace R1-2-30 w/ R1-1-24
	C County Rd	2,011			
	C County Rd	0,000			
	E County Rd	0,509			
-	@ County Rd		South Side	1.	Replace R1-2-36 w/ R1-1-24
	C County Rd	1 _● 020			· · · · · · · · · · · · · · · · · · ·
	D \$56.00\$				
od (∫)					
100					
+VV					
	THE REAL PROPERTY OF THE PROPE				
o Danes		0			
(3)	North American Commission Commiss				
		and the state of t			
nde America Nati	*				
700000000000000000000000000000000000000	эмнэг шинж эмжэг шийн хамгаан х				
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County Schoolcraft

Route FAS 335 H42

Direction of Route West to East

Sheet 1 of 1

Direction of Route						·
LEGEND		TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
R1-1-24		4			2	2
R3-17-24		9				
R3-18-24	.,	9				
		7				
G2-2 County Route Markers		2	// 0030/V4			
County Route Markers H42		4	44 PM 27 A 1			
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Total	, , , , , , , , , , , , , , , , , , ,	29			2	2
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FAS 356 Co Rd 435

DECEDENCE	LOCATION		PRIORITY & DESCRIPTION
Line W.Schoolcraft Co 0.000			gravel
1.202	South side	1	Replace W1-5-30 L w/ W1-2-30 L
1.385	North side	1	Erect W1-2-30 R
2,578	North side	1	Remove W1-5-30 L
© Co Rd 5,256			
E Co Rd 0.000	<u> </u>		
@ Co Rd	East side	1.	Erect Rl_1_24
C Co Rd 2.719			
© Co Rd 0.000			
© Co Rd 0.793			
C Co Rd 0.000			
@ Co Rd	East side	1	Replace R1-2-36 w/ R1-1-24
0.045	East side	1	Remove W1-5-30 R
0.265	East side	1	Erect W1_4_30 R
0.796	West side	1	Erect W1-4-30 R
3.068	East side	1	Erect W1-2-30 L
3.353	West side	1	Erect W1-2-30 R
3.807	East side	1	Erect W1-2-30 R
4.110	West side	1	Erect W1-2-30 L
4.337	East side	1	Erect W1-2-30 L
4.565	West side	1,	Replace W1-5-30 R w/ W1-2-30 R
@ Co Rd	West side	1	Replace R1-2-36 w/ R1-1-24
© Co Rd 4.573	: .		
@ Co Rd	West side	1	Replace R1-2-36 w/ R1-1-24
C Co Rd 4.636			
@ Co Rd	East side	1	Replace R1-2-36 w/ R1-1-24

	2		2
haet	4	O.	4

FAS 356 Co Rd 435

\$ E	· .		
REFERENCE	LOCATION		PRIORITY & DESCRIPTION
C Co Rd 4.690			
@ Co Rd	East side	1_	Replace R1-2-36 w/ R1-1-24
C US 2 4.710			
	FAS 356 Co Rd 459		
C M 149 0.000			gravel
2.881	East side	1	Erect W12-1-21 (20) on W1-1-30 L
C Co Rd 2.964			
© Co Rd 0.000			
@ Co Rd	North side	1	Replace R1-2-36 w/ R1-1-24
0.135	South side	1	Erect W12-1-21 (20) on W1-1-30 R
	North side	1	Replace W1-4-30 R w/ W1-3-30 R
0.466	South side	1	Replace W1_4_30 R w/ W1_3_30 R
1,218	North side	1	Replace W1-4-30 L w/ W1-3-30 L
1.496	South side	1	Replace W1-4-30 L w/ W1-3-30 L
E M 149 1.579			
-2/452-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7			
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			HIGHWAYS
			LANSING, MICH.
- N			P. O. DRAWER "K" 48904
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County Schoolcraft

Route FAS 356 Co Rd 435

Direction of Route South to North

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
R1=1=24	11			7	7
W1_1_30 R	2				
Wl-1-30 L	2		·		
W1_2_30 R	5			4	. 4
W1-2-30 L	5		•	4	4
W1-3-30 R	2	······································		2	2
W1_3_30 L	2			2	2
W1-4-30 R	4			2	2
W1-5-30 R	2				
W1-5-30 L	2				
W12-1-21 (20)	2			2	2
G2-3	2	7000			**************************************
County Route Markers	8		· · · · · · · · · · · · · · · · · · ·		
(6)					
Total	49			23	23
		NAME			
		Name and American	and the same that the same tha		The state of the s
		ACCUPATION OF THE PROPERTY OF			

Sheet 1 of 2

FAS 357 County Rd 441

and Comment	REFERENCE	LOCATION		PRIORITY & DESCRIPTION	
	C County Rd 442 0.000			Blacktop, White Skip, No Pass Yellow	
	0.379	East Side	1	Erect W1-4-30R	
(4,3)	C County Rd 0.914				
	C County Rd 0.000				
	0.284	West Side	1	Erect V1-4-30R	
	0•14914	East Side	1	Erect W1-2-30R	
	0.781	West Side	1	Erect W1-2-30L	
· whomelessesses	0,881	West Side	1	Erect R3-18-24	
	1.185	East Side	1.	Erect W1-2-30R	
	1.484	East Side	1	Erect WL-2-30L	
13 775-00-00-00-00-00-00-00-00-00-00-00-00-00	1,520	West Side	l	Erect W1-2-30L	
	1.739	West Side	l	Erect W1-2-30R	
	1.739	East Side	1	Erect W1-1:-30R	
	2,292	West Side	1	Erect W1-4-30R	
//	2.317	East Side	2	Relocate V12-1-21(30) to bottom W1-4-30L	
	C County Rd 2.358 @ Harrison				
	Beach Rd.	West Side	1	Replace R1-2-36 w/ R1-1-24	
	C Harrison Bch.Rd. 2.4	'5 ·			
	© Harrison Bch. Rd	East Side	1	Replace R1-2-36 w/ R1-1-24	
(50)	2,620	West Side	2	Relocate W12-1-21(30) to bottom W1-4-30L	
	2,815	East Side	1	Erect W9-6-36	
and the second	E County Rd 440 2.922				
- 10000000000	North Fanistique	FAS 357 County Rd	440		
	City Limits 0.000 © North Manistique			Blacktop	
V.J.	City Limits	East Side	2	Relocate W12-1-21(30) to bottom W1-2-30R	
	0,229	West Side	2	Relocate 12-1-21(30) to bottom W1-2-30L	

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Sheet		of -

FAS 357 County Rd 440

, man	REFERENCE		LOCATION	PRIORITY & DESCRIPTION		
	C County Rd	0.349			. · · · · · · · · · · · · · · · · · · ·	
		0.414	East Side	2	Relocate W12-1-21(30) to bottom W1-2-30L	
		0.526			Begin White Skip, No Pass Yellow	
		0.569	West Side	2	Relocate W12-1-21(30) to bottom W1-2-30R	
er i vag () de	E County Rd 441	1.126				
S	r County Rd 141	0.000				
		0.346	East Side	1	Erect W9-6-36	
10-243	E County Rd 441	0,502				
[]	ը County Rd կկ1	0,000		,		
		0,009	East Side	1_	Erect 14-4-36	
		0.094	East Side	2	Replace W4-2-36 (Lane ends merge left)	
		0.179	East Side	1	Erect W12-9L (12x36)	
c >		0,200	West Side	1	Erect W12-9L (12x36)	
		0,360	West Side	1	Erect N9-6-36	
	C County Rd	0.383				
(.)	@ County Rd		East Side	1_	Replace R1-2-36 w/ R1-1-24	
	County Rd	0 <u>.</u> 629		·		
	E County Rd	0,000				
	C County Rd	0.264				
	E M-9l ₄	0,750				
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County Schoolcraft

Route FAS 357 Co. Rd. 441

Direction of Route South to North

Sheet ______ of _____

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
R1-1-24	13			3	3
R1-1-36	1				
R2_1_24 (25)	Ų				
R2_1_24 (35)	7	7007465 A			
R2-1-24 (45)	12				
R3-17-24	2				
R3-18-24	2			1	1
R3-18-24 R4-1-12	6	POTENTAL CONTENTS OF THE PROPERTY OF THE PROPE			
W1-2-30 R	. Ц			3	3
W1-2-30 L	5			3	3
<u>β</u> ₩1-4-30 R	日			LĮ.	4
W1-4-30 R W1-4-30 L	5				
W1-7-48	2	AVELENCE:			
W3-1-30	1				
W4-2-36	1			<u> </u>	1
W4-4-36	1			l	1
W9-1-30	1				
W9_6_36	4	77006		3	3
W12-1-21 (30)	6	TOTAL BANK BANK BANK BANK BANK BANK BANK BANK			***************************************
W12_9 L (12x36)	2			2	2
	·		·		
County Route Markers	9				
		,			
Cotal	92			21	21

	7	_	1
Shaat	-	n.f	

FAS 1068 Co. Rd. 447

REFERENCE		LOCATION		PRIORITY & DESCRIPTION
С М 77	0.000			gravel
3	0.020	South side	1	Erect R3-29-18 (10 ton) & BRIDGE AHEAD
	2.279	South side	1	Replace LOAD LIMIT BRIDGE w/ W5-3-30
	2.279	South side	A	Relocate R3-29-18 (10 ton) 300° East
	2.300	South side	1	Erect W1-1-30 L
NO CONTROL OF THE PROPERTY OF	2.349	South side	1	Erect W12-9 R & L (12x36)
<u> </u>	2.349	North side	1	Erect W12-9 R & L (12x36)
•	2.429	North side	1	Replace LOAD LIMIT BRIDGE w/ W5_3_30
	2.429	North side	A	Relocate R3-29-18 (10 ton) 300 West
	2.500	North side	1	Erect W1-1-30 R
	2.917	South side	1	Erect W1-2-30 L
Co. Line	3.125	North side		Erect W1-2-30 R
E.Schoolcraft	3.194		Val.	
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County Schoolcraft

Route FAS 1068 Co. Rd. 447

Direction of Route West to East

Sheet ______ of _____

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
R3-29-18 (10 tons)	3	TERRITORIA AND THE STATE OF THE		1	1
BRIDGE AHEAD	1	,		1	1
100		en e			
W1=1=30 R	1 1	·		1	1
W1-1-30 L	1 1	·		1	1
W1-2-30 R	1 1	**************************************		1	1
W1-2-30 L	1	Addition of the second		1	1
W5-3-30	2			1	1
W12-9 R (12 x 36)	2	THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED ASSESSMENT ASSESS		2	2
W12_9 R (12 x 36) W12_9 L (12 x 36)	2	WANTED TO THE		2	2
		CONTROL OF THE STATE OF THE STA			The second secon
County Route Markers	2				
£73		The state of the s			
Total	16			11	1.1
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,		
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APA					- Anna anna anna anna anna anna anna ann
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		PVIII STATE OF THE			
		V. SOURISMANACIÓ - SACE - TVATORIO COMO COMO COMO COMO COMO COMO COMO CO			
		A STATE OF THE STA	:		
Canada Ca		E-GOVAN-II ia non managagaga ^{ar} di idahan manaman pepergayaga ia da ia manaman perganggaga ia da ia manaman pe			
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A		TOTAL			

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FAS 1101 Co. Rd. 450

REFERENCE		LOCATION		PRIORITY & DESCRIPTION
Line W.Schoolcraft Co.	0.000			gravel
@ Co. Rd. 453		South side	1	Replace R1-2-36 w/ R1-1-24
C Co. Rd. 453	0.153			
C Co. Rd. 453	0.000			
	1.132	South side	1	Remove LOAD LIMIT BRIDGE & 5 Ton Limit Sign
	1.190	North side	1.	Remove LOAD LIMIT BRIDGE & 5 Ton Limit Sign
	1.629	South side	1	Erect W1-1-30 L
,	1.799	West side	1	Erect W1-1-30 R
C Co Rd	3.401			
C Co Rd	3.460			
C Co Rd	0.000	**************************************		
	2.785	South side],	Erect W1-2-30 R
@ Co. Rd		North side	<u>]</u>	Erect R1_1_24
C Co. Rd.	2,893			
Co. Rd.	0,000			
72000	0.076	East side	1	Erect W1-2-30 L
@ Co. Rd.		South side	1.	Erect R1-1-24
C Co. Rd.	1.903			
C Co. Rd.	0.000			
@ Co. Rd.	**************************************	South side	1	Remove R1-2-36
ACCIONATION DE SERVICION DE SER	3.296	South side	1	Erect W1-1-30 L
C Walsh Grade Rd	3.356			
C Walsh Grade Rd	0.000	_		
	0.076	West side	1	Erect W1-1-30 R
	4.375	South side	1	Erect W1-2-30 R
@ Mahoney Lake Rd		North side	1	Erect R1-1-24

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FAS 1101 Co. Rd. 450

A CONTRACTOR OF THE CONTRACTOR			
REFERENCE	LOCATION		PRIORITY & DESCRIPTION
6 Mahoney Lake Rd 4,470			
L Mahoney Lake Rd 0.000			
0.100	East side	1	Erect W1-2-30 L
Dam Rd. @ Wagner&Taylor	East side	1	Erect R1-1-24
Dam Rd. <u>E Wagner&Taylor 4,284</u> Dam Rd.			
E Wagner Taylor 0.000			
7.225	West side	1	Erect W1-2-30 L
7.285			begin blacktop
7.443	North side	1	Erect W8-3-30
7.473	North side	1	Erect W1-2-30 R
7.557	South side	1	Erect W1-5-30 L & W12-1-21 (15)
7.832	East side	1	Erect W1-5-30 L & W12-1-21 (15)
7.912	West side	1	Erect Wl-1-30 L
@ Co. Rd.	East side	1	Replace R1-2-36 w/ R1-1-24
C. Co. Rd. 7.932			
C Co. Rd. 0.000			
C. Co. Rd. 0.058			
@ Co. Rd.	West side	<u> 1</u>	Replace R1-2-36 w/ R1-1-24
C Co. Rd. 0.115			
@ Co. Rd.	West side	1	Replace R1-2-36 w/ R1-1-24
0.135	East side	1	Erect Wl_l_30R
@ Co. Rd.	East side	1	Replace R1-2-36 w/ R1-1-24
C Co. Rd. 0.191		and the second second	
@ Co. Rd.	West side	1	Replace R1-2-36 w/ R1-1-24
& M 28 0.256		-	
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*County Schoolcraft

Sheet 1 of 1

Route FAS 1101 Co Rd 450

Direction of Route West to East

18					
LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
R1-1-24	14			10	10
		,			, ;
W1-1-30 R	3			3	3
W1-1-30 L	3			3	3
W1-2-30 R	3	,		3	3
W1-2-30 R W1-2-30 L	3			3	3
W1-5-30 L	2	THE	·	2	2
W8-3-30	1. 1.			1	1
W12_1_21 (15)	2			2	2
County Route Markers	16				
		THE PROPERTY OF THE PROPERTY O			
Total	47			27	27
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				-	
		TOTAL SECTION			
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Sheet.		of	1

FAS 1386 Co. Rd. 443

REFERENCE		LOCATION		PRIORITY & DESCRIPTION
Line W.Schoolcraft Co	0.000			gravel
	0.246	South side	1	Erect W1_2_30 R
	0.436	North side	1	Erect W1-2-30 L
C Co Rd 437	1.138			
· · · · · · · · · · · · · · · · · · ·		FAS 1386 Co Rd 4	49	
© Co Rd 437	0.000			gravel
	0.020	North side	1	Erect R3_29_18 & BRIDGE AHEAD
(C)	3.144	South side	1_1	Erect W1_2_30 L
	3.334	North side	1	Erect Wl_2_30 R
	3.561	South side	1	Erect Wl_1_30 R
@ FFH 2435	3.636	North side	1	Replace R1-2-36 w/ R1-1-24
C FFH 2435				
C FFH 2435	0.000			
	0.048	South side	1	Replace W5-3-30
	0.048	North side	1	Erect Wl_1_30 L
	0.089	South side	A	Raise R3-29-18 (15) to 6° bottom Height
	0.116	South side	1	Erect W12-9 R & L (12x36)
	0.116	North side	1	Erect W12_9 R&L (12x36)
	0.136	North side	A	Raise R3-29-18 (15 ton) to 6° bottom height
200	0.196	North side	1	Replace W5-3-30
	0.205	Sough side	1	Erect W1_2_30 L
	0.417	North side	1	Erect W1-2-30 R
	2.462	South side	1	Erect W1_1_30 L
	2,671	North side	1	Erect Wl-1-30 R
37 S 7	4.635	North side	1	Erect R3-29-18 (15 ton) & BRIDGE AHEAD
Б M 94	4.655			

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County Schoolcraft

Route FAS 1386 Co Rd 443

Direction of Route West to East

Sheet ______ of _____

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
R11-24	3			1.	1
R3-29-18 (15 tons)	3	The state of the s		2	2
BRIDGE AHEAD	2			2	2
		71 EU/			X 8 9
W1-1-30 R	2			2	2
W1-1-30 L	2			2	2
W-2-30 R	3	·		3	3
W1-2-30 L	3			3	3
W5-3-30	2	2			2
W12_9 R (12x36)	2	CONTRACTOR OF THE PROPERTY OF		2	2
W12-9 L (12x36)	2			2	2
County Route Markers	8				
Total	32	2		19	21.
					
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		THE COLOR AND ASSESSMENT OF THE COLOR ASSE			
		——————————————————————————————————————			**************************************
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FAS 1521 Co. Rd. 451

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
C M 77 0.000			gravel
@ Co Rd	North side	1	Replace R1-2-36 w/ R1-1-24
C Co Rd 0.617			
@ Co Rd	North side	1	Replace R1-2-36 w/ R1-1-24
E.Schoolcraft Co 4.697	·		
· ·			
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A-22			
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County Schoolcraft

Sheet _____ of __1

Route FAS 1521 Co. Rd. 451

Direction of Route West to East

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
R1-1-24	2			2	. 2
W1_1_30 R	11				
County Route Marker	4				
Total	7	and the second s		_2	2
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ACC-25					
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FAS 1522 Co. Rd. 436

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	REFERENCE		LOCATION	PRIORITY & DESCRIPTION		
G Co.	Rd. 433 0	.000			gravel	
@ Co.			West side	1	South Replace R1-2-36 w/ R1-1-24 & Relocate 50°	
\$1.0.03 	. 0	.020	East side	1	Erect R3-29-18 (10 ton) & BRIDGE AHEAD	
	1,	.187	East side	1	Remove W7-1-30	
	1	.212	East side	1	Erect W5-1-30	
	<u> </u>	.250	East side	1	Erect W1-3-30 L & W12-1-21 (10)	
C Co.	Rd. 1	.362				
C Co.	Rd. 0	000				
	0	.156	North side	1	Erect W1-3-30 L & W12-1-21 (10)	
	0),424	East side	1	Replace LOAD LIMIT BRIDGE w/ W5-3-30	
	0	.424	East side	A'	Relocate R3-29-18 (10 ton) 465° North	
	O	.526	East side	1	Erect W12-9 R & L (12x36)	
	0	.526	West side	1.	Erect W12-9 R & L (12x36)	
Negocia di Arabina	0	587	West side	A [·]	Relocate R3-29-18 (10 ton) 200° South	
	. 0	.587	West side	1	Replace LOAD LIMIT BRIDGE w/ W5-3-30	
	0	.600	West side	1	Erect W5-1-30	
@ Co.	Rd.		West side	1	Replace R1-2-36 w/ R1-1-24	
C Co.	Rd. 0	.711				
E Co.	Rd. 0	.000				
@ Co.	Rd.		North side	1	Replace R1-2-36 w/ R1-1-24	
C CO.	Rd. 8	3.922				
C. Co.	Rd. 0	0.000				
		0.402	South side	1	Replace LOAD LIMIT BRIDGE w/ W5-3-30	
A Company	C	.402	South side	A	Relocate R3-29-18 (10 ton) 200° East	
\$4.3		.449	South side	1	Erect W12-9 R & L (12x36)	
	0	.449	North side	ı	Erect W12-9 R & L (12x36)	

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FAS 1522 Co. Rd. 436

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.469	North side	<u> </u>	Erect R3-29-18 (10 ton)
0.51	North side	1_1	W5-3-30 Replace LOAD LIMIT BRIDGE & 10 TON LIMIT w/
2.91	South side	1	Erect Wl_l_30 R
3,13	North side	1	Erect W1-1-30 L & W12-1-21 (30)
5.100	North side	1 1	Erect R3-29-18 (10 ton) & BRIDGE AHEAD
E M 77 5.12	4		
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TRAFFIC AND SAFETY DIVISION

QUANTITY SHEET

SPL Form - 61

County Schoolcraft

Sheet _____of __1

Route FAS 1522 Co. Rd. 436

Direction of Route West to East

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LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
R1=1=24	5			3	3
R3-29-18 (10 ton)	6			3	3
BRIDGE AHEAD	2		·	2	2
		TYPERSONAL (TYPERSONAL)			
W1-1-30 R	1			1	1
Wl-1-30 L	1			11	1
W1-3-30 L	2	The state of the s		2	2
W5-1-30	2			2	2
W5∞3∞30	4			4	4
ษาวาว (10)	2	THE RESIDENCE OF THE PARTY OF T		2	2
W12-1-21 (30)	1	80. · · · · · · · · · · · · · · · · · · ·		11	1
W12-9 R (12x36)	4	PARTIES AND ADDRESS AND ADDRES	. '	4	4
W12-9 L (12x36)	4		·	4	4
NARROW WINDING ROAD DRIVE WITH CAR	E 2				
	-		·		
COUNTY ROUTE MARKERS	9				
Total	45			29	29
		The second district of			***************************************
a Control of the Cont			·		

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Sheet _____ of _2

1523 Co. Rd. 448

REFERENCE LOCATION		LOCATION	PRIORITY & DESCRIPTION			
C M 94	0.000			gravel		
	0.010	South side	1	Erect R3-29-18 (5 ton) & BRIDGE AHEAD		
	0.020	South side	1	Erect W1_5_30 L		
	0.455	North side	1	Erect Wl-5-30 L		
C Co. Rd.	1.036		W Company			
C Co. Rd.	0.000					
@ Co. Rd.		East side	1	Erect Rl_1_24		
	0.208	East side	1	Erect W1-2-30 R		
	0.208	West side	1	Erect W1-2-30 R		
	0.872	East side	1	Erect W1-1-30 R		
	1.080	North Side	1	Erect W1-1-30 L & W12-1-21 (20)		
	2.311	South side	1	Erect W1-2-30 L		
	2.440	South side	1	Remove LOAD LIMIT BRIDGE		
	2.490	South side	1	Replace R3-29-18 (20 ton)		
	2.525	South side	1	Erect W12-9 R & L (12x36)		
	2,525	North side	1	Erect W12-9 R & L (12x36)		
	2.550	North side	1	Replace R3-29-18 (20 ton)		
	2.596	North side	1	Replace LOAD LIMIT BRIDGE w/ W1-2-30 R		
	6,105	East side	1	Remove LOAD LIMIT BRIDGE		
No. of the state o	6.151	East side	1	Replace R3-29-18 (20 ton)		
	6.165	East side	1	Erect W12-9 R & L (12x36)		
	6.165	West side	1	Erect W12_9 R & L (12x36)		
	6.180	West side	1	Replace R3-29-18 (20 ton)		
	6.223	West side	1	Remove LOAD LIMIT BRIDGE		
C Co. Rd.	8.797					
Co. Rd.	0.000					

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FAS 1523 Co. Rd. 448

FAS 1523 Co. Rd. 448						
REFERENCE		LOCATION	PRIORITY & DESCRIPTION			
@ Co. Rd.		East side	1	Erect Rl_1_24		
	2.971	East side	1	Remove 5 TON LIMIT		
	2.971	East side	1	Replace LOAD LIMIT BRIDGE w/ W5-3-30		
	3.011	East side	1	Erect R3-29-18 (5 ton)		
	3.021	East side	1	Erect W12-9 R & L (12x36)		
	3.021	West side	1	Erect W12-9 R & L (12x36)		
	3,030	West side	1	Erect R3-29-18 (5 ton)		
	3.045	West side	1	Remove 5 TON LIMIT		
	3.045	West side	1	Replace LOAD LIMIT BRIDGE w/ W5-3-30		
	6.915	East side	1	Replace LOAD LIMIT BRIDGE w/ W5-3-30		
	6.915	East side	A	Relocate R3-29-18 (5 ton) 125° North		
	6.958	East side	1	Erect W12-9 R & L (12x36)		
	6.958	West side	1	Erect W12-9 R & L (12x36)		
	7.005	West side	A	Relocate R3-29-18 (5 ton) 200° South		
	7,005	West side	1	Replace LOAD LIMIT BRIDGE w/ W5-3-30		
	7.690	East side	11	Erect W1-1-30 L		
	7.879	West side	1_1_	Erect W1-1-30 R		
	10.795	East side	1	Erect W1-1-30 R		
San transport	10.909	North side	1	Erect W1-1-30 L		
\$4.50 \$2.70	10.909	South side	1	Erect Wl-1-30 L		
	11.035	West side	1	Erect R3-29-18 (5 ton) & BRIDGE AHEAD		
	11.040	West side	1	Replace W10-1-36 w/ W1-1-30 R		
C M 28	11.061					
Acquired to the second		FAS 1523 Co. Rd.	454			
C M 28	0.000			gravel		
£ Co. Rd. 450	9 .500					

SPL Form - 61

County Schoolcraft

Route FAS 1523 Co. Rd. 448

Direction of Route South to North

show 1 of 1

		- Arria										
80.	LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE						
U	R1-1-24	2			2	2						
	R12-36	1										
€3 €779	R3-29-18 (5 tons)	6			4	4						
	R3-29-18 (20 tons)	ंग	Ц			4						
£)	BRIDGE AHEAD	2			2	2						
Supplied of the second	W1-1-30 R	4			4	4						
	MT=T=30 P	4			4	4						
1	W1-2-30 R	3			3	3						
₩()	W1-2-30 L	3			1	11						
	W1-5-30 L	2			2	2						
	W5-3-30	4			4	4						
- Sample	W10-1-36	1										
	W10-2	2										
.=-	W12-1-21 (20)	1			1	11						
· · · • • • • • • • • • • • • • • • • •	W12-9 R (12x36)	8			8	8						
	W12-9 L (12x36)	8			8	8						
Č.												
	County Route Markers	9	WICE AND THE RESERVE AND THE R									
er saveni												
er- narräsi	Total	64	4		43	47						
			,									
\ resident												
	7)											
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Sheet _____ of ____

FAS 1524 Co. Rd. 445

	'				
REFERENCE		LOCATION	PRIORITY & DESCRIPTION		
C FH 13	0.000			gravel	
	0.020	South side	1	Erect R3-29-18 (15 ton) & BRIDGE AHEAD	
	3.026	South side	1	Replace LOAD LIMIT BRIDGE w/ W5-3-30	
	3.026	South side	A	Relocate R3-29-18 (15 ton) 225° East	
<u> </u>	3.073	South side	1	Erect W12-9 R & L (12x36)	
	3.073	North side	1	Erect W12-9 R & L (12x36)	
	3.083	North side	1_	Erect R3-29-18 (15 ton)	
	3.150	North side	1	Replace LOAD LIMIT BRIDGE w/ W5-3-30	
	3.150	North side	1	Remove "15 Ton Limit" sign	
G FFH 2451	4.238				
C FFH 2451	0.000				
@ FFH 2451		South side	1	Erect R1-1-24	
	4,660	North side	1	Erect R3-29-18 (15 ton) & BRIDGE AHEAD	
@ Co. Rd. 437		South side	A	Relocate R1-1-24 90° South	
N= 4	4,683				
C Co. Rd 437					
And the second s					
€ Services Value of them					
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402					
The second secon					

SPL Form - 61

Schoolcraft

County_

FAS 1524 Co. Rd. 445 Route ___

Direction of Route West to East

Sheet ______ of ____

LEGEND		TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
R1-1-24		2			1	1
R3-29-18 (15 ton)		4			3	3
BRIDGE AHEAD		2			2	2
W5-3-30		2			2	2
W12-9 R (12x36)		2			2	2
W12-9 L (12x36)		2			2	2
	·					
County Route Marker		3				
Total		17			12	12
		1				
		1				
St. N. St. Co. Co. Co. Co. Co. Co. Co. Co. Co. Co						
	· · · · · · · · · · · · · · · · · · ·					
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FAS CO. Primary Co. Rd. 433

REFERENCE			LOCATION		PRIORITY & DESCRIPTION		
	C US 2	0.000			blacktop (white skip)		
	8 OO L	0,000	South side	1	Remove R2_1_24 (25)		
	£ Co Rd	0,116					
	@ Co Rd		South side	A:	Relocate R1-1-24 50° North		
	Line E.Schoolcraft Co	4,678					
-					·		

	SEPARA A Maring Space (19 Cally Space Spac						
- 200-11-11-11							
	Salaman (Annual Control of Contro						
	-			:			
- (G) <u>-</u>	CONTRACTOR OF THE PROPERTY OF						
	CONTROL CONTRO						
	Note the state of						
\$301 	The state of the s						

	November Spring						
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County Schooleraft

Route Co. Primary Co. Rd. 433

Direction of Route West to East

Sheet ______ of ____

	7/.25-24				
LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
R1_1_24	2				
W9-1-30	2				
County Route Markers	2		·		
Total	6_				17.0
<u>(%)</u>					
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