

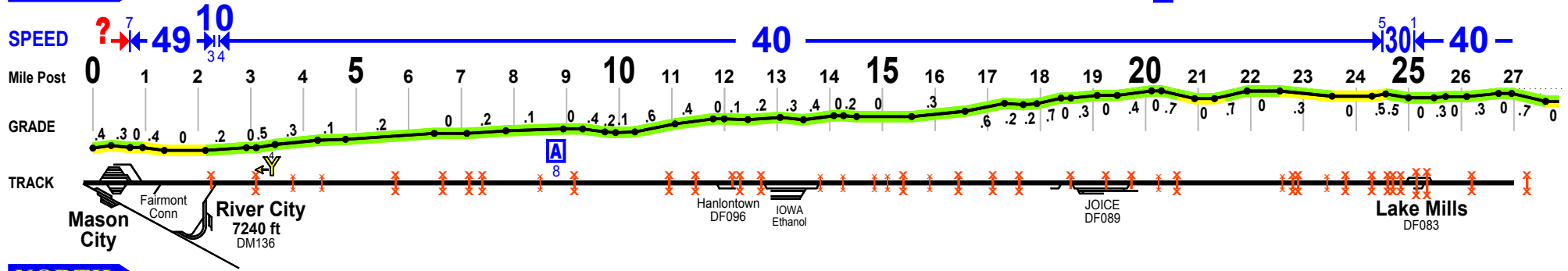
REFERENCE ONLY
For Learning Purposes
Mistakes Guaranteed

See KEY
for Instructions
on How to Use
www.FOGCHART.com

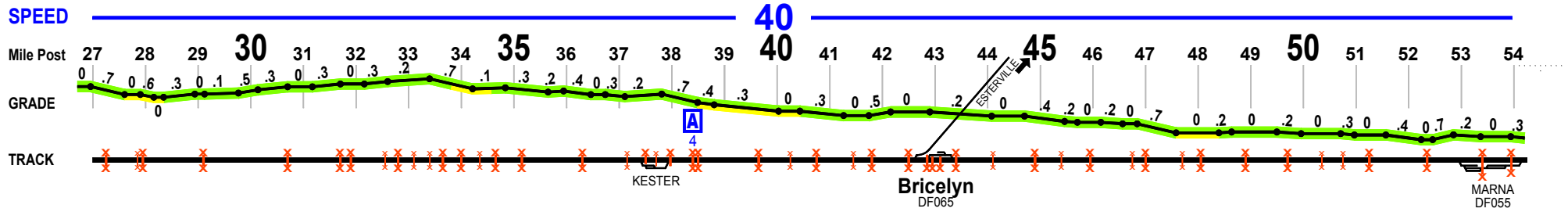
Symbols Used
↑ Private Road Crossing
✕ Public Road Crossing
[A] AEI Reader

JULY 2008

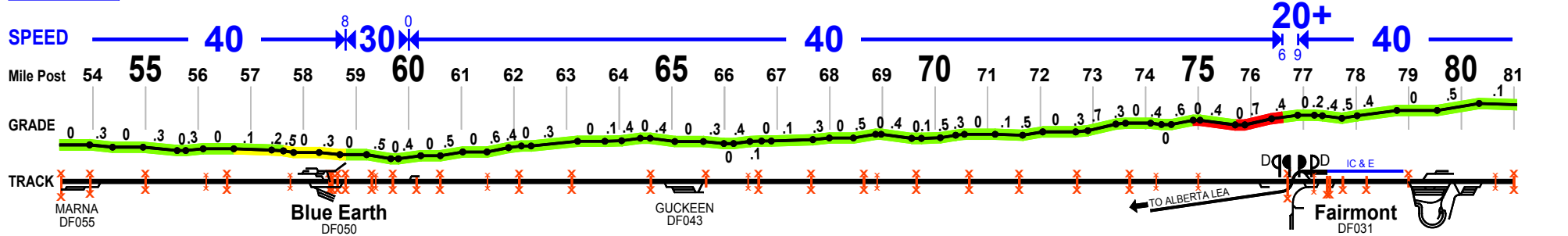
NORTH



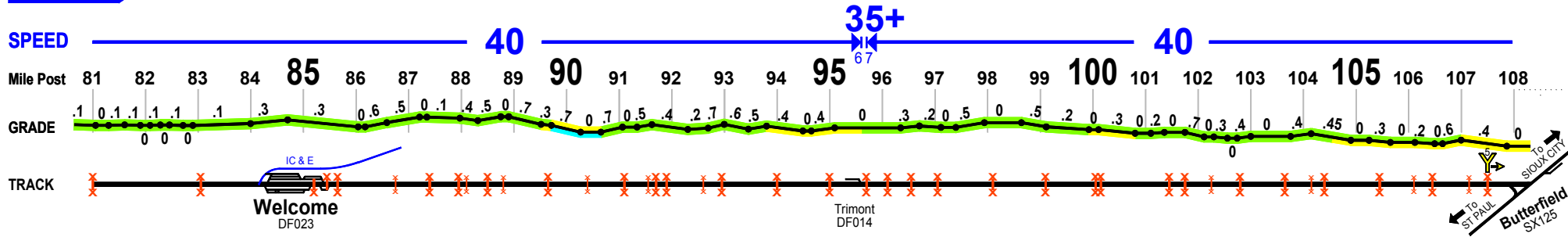
NORTH



NORTH



NORTH

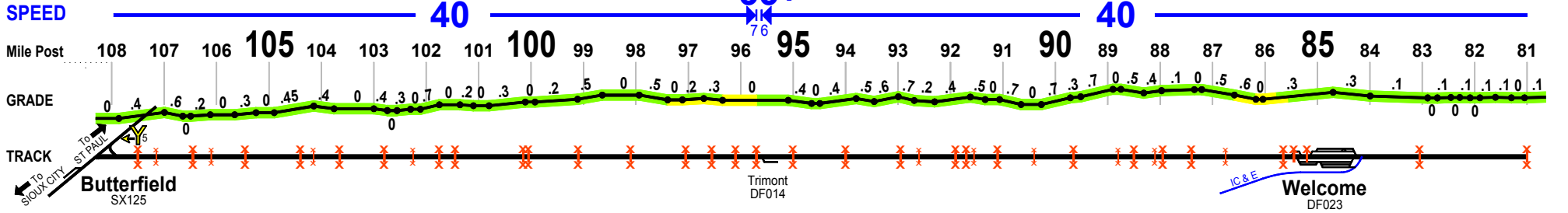


Fairmont Sub

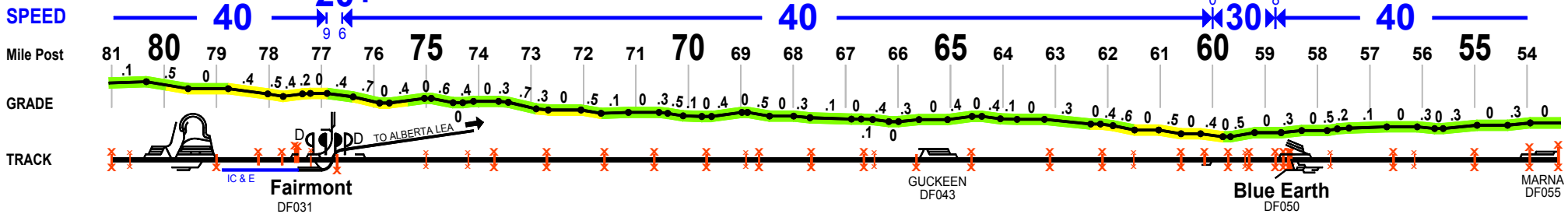
REFERENCE ONLY
For Learning Purposes
Mistakes Guaranteed

- Symbols Used
- ↑ Private Road Crossing
 - ↑ Public Road Crossing
 - A AEI Reader

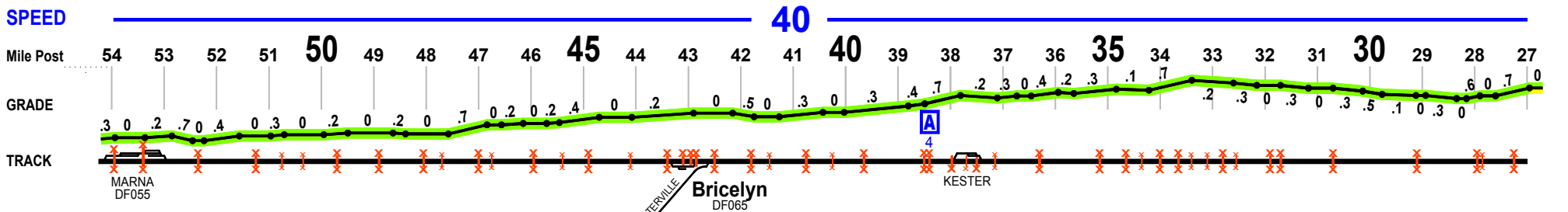
SOUTH



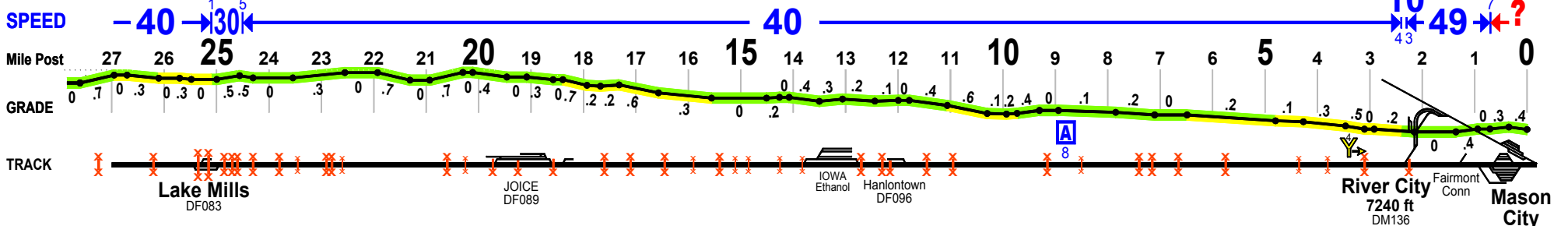
SOUTH



SOUTH



SOUTH



AT GRADE ROAD CROSSINGS for FAIRMONT SUB

JULY 2008

M.P.	STREET	CITY	DOT NBR
2.37	CR B-20	MASON CITY	195980A
3.10	CLAY RD	MASON CITY	195982N
3.78	PRIVATE	MASON CITY	922573E
4.36	PRIVATE	MASON CITY	195983V
5.84	LARK & 320TH ST	MASON CITY	195984C
6.65	325TH	MASON CITY	195986R
7.16	KILLDEER AVE	MASON CITY	195987X
7.40	330TH	MASON CITY	195988E
8.51	PRIVATE	MASON CITY	195990F
9.17	IRONWOOD	HANLONTOWN	195991M
10.97	CO.RD.S28	HANLONTOWN	195993B
11.47	355TH	HANLONTOWN	195994H
12.13	MAIN ST	HANLONTOWN	195403C
12.30	HWY 9	HANLONTOWN	195404J
12.73	FIR AVE	HANLONTOWN	195996W
13.77	PRIVATE	HANLONTOWN	195998K
14.23	PRIVATE	HANLONTOWN	196001Y
14.83	PRIVATE	HANLONTOWN	195537B
15.12	PRIVATE	HANLONTOWN	195538H
15.39	380TH	HANLONTOWN	195539P
15.92	PRIVATE	JOICE	195540J
16.46	390TH ST	JOICE	195541R
17.11	DOGWOOD AVE	JOICE	195542X
17.60	400TH ST	JOICE	195543E
18.60	CO RD A-38	JOICE	195544L
19.25	LAKE ST	JOICE	195545T
19.70	CR S14	JOICE	195547G
20.23	PRIVATE	JOICE	195548N
20.62	425TH ST	JOICE	195549V
22.58	PRIVATE	LAKE MILLS	195560V
22.80	440TH ST	LAKE MILLS	195561C
22.89	235TH AVE	LAKE MILLS	195562J
23.44	PRIVATE	LAKE MILLS	195563R
23.79	445TH	LAKE MILLS	195564X
24.30	WINNEBAGO ST	LAKE MILLS	195410M
24.60	SO. LAKE ST.	LAKE MILLS	195409T
24.69	S. 6TH AVE W	LAKE MILLS	195408L
24.69	WASHINGTON ST	LAKE MILLS	195407E
24.83	4TH AVE W	LAKE MILLS	195406X
25.13	MAIN ST	LAKE MILLS	195484E
25.34	2ND AVE	LAKE MILLS	195485L
26.22	460TH	LAKE MILLS	195568A
27.25	470TH	LAKE MILLS	195571H
27.83	PRIVATE	LAKE MILLS	195570B
27.94	200TH AVE	SCARVILLE	195572P
29.10	190TH AVE	SCARVILLE	195574D
30.70	CO.RD.R60	SCARVILLE	195483X
31.69	CO.RD.A16	SCARVILLE	195978Y
31.91	170TH AVE	SCARVILLE	195977S
32.55	PRIVATE	SCARVILLE	195976K
32.88	500TH ST	SCARVILLE	195975D
33.12	PRIVATE	SCARVILLE	195974W
33.39	PRIVATE	SCARVILLE	195972H
33.66	160TH AVE	SCARVILLE	195973P
34.02	10TH ST	KIESTER	195971B
34.35	PRIVATE	KIESTER	195970U
34.67	600TH AVE	KIESTER	195969A
35.17	20TH ST	KIESTER	195967L
36.30	590TH AVE	KIESTER	195966E
37.17	PRIVATE	KIESTER	195964R
37.49	S. FIRST ST	KIESTER	195482R

M.P.	STREET	CITY	DOT NBR
37.67	PRIVATE	KIESTER	195481J
37.96	WIGERN DR.	KIESTER	195963J
38.39	35TH ST	KIESTER	195962C
38.47	570TH AVE	KIESTER	195961V
39.64	560TH AVE	KIESTER	195960N
40.24	PRIVATE	BRICELYN	195959U
40.76	550TH AVE	BRICELYN	195958M
41.47	PRIVATE	BRICELYN	195957F
41.81	540TH AVE	BRICELYN	195956Y
42.49	50TH ST	BRICELYN	195955S
42.86	ST 253	BRICELYN	195402V
42.93	SECOR ST	BRICELYN	195401N
43.07	MAIN ST.	BRICELYN	195400G
43.37	525TH ST	BRICELYN	195399P
44.10	PRIVATE	BRICELYN	195952W
44.91	510TH AVE	BRICELYN	195951P
45.42	PRIVATE	BRICELYN	195950H
45.93	500TH AVE	BRICELYN	195435H
46.77	PRIVATE	FROST	195434B
46.98	490TH ST	FROST	195433U
47.70	PRIVATE	FROST	195430Y
48.05	480TH AVE	FROST	195429E
48.91	MAIN ST.	FROST	195398H
49.68	CO RD 17	FROST	195397B
49.68	CSAH 4	FROST	195396U
50.35	PRIVATE	FROST	195427R
50.73	PRIVATE	FROST	195426J
51.25	450TH AVE	FROST	195425C
52.33	440TH AVE	FROST	195424V
53.40	430TH AVE	FROST	195412B
53.96	85TH ST	BLUE EARTH	195422G
55.01	415TH AVE	BLUE EARTH	195420T
56.16	PRIVATE	BLUE EARTH	195419Y
56.56	400TH AVE	BLUE EARTH	195418S
57.76	PRIVATE	BLUE EARTH	195415W
58.49	SEVENTH STREET	BLUE EARTH	194779T
58.56	6TH ST EAST	BLUE EARTH	194778L
58.64	5TH ST. EAST	BLUE EARTH	194776X
58.78	SECOND STREET	BLUE EARTH	920152L
59.27	MAIN ST	BLUE EARTH	195388C
59.34	PRIVATE	BLUE EARTH	195389J
59.73	CHILD	BLUE EARTH	195386N
60.13	COMMERCE ST.	BLUE EARTH	187143R
60.60	WELK DR.	BLUE EARTH	195480C
61.50	PRIVATE	BLUE EARTH	195479H
62.10	355TH AVE	BLUE EARTH	195475F
63.10	345TH AVE	BLUE EARTH	195472K
64.60	335TH AVE	BLUE EARTH	195477U
65.62	320TH AVE	FAIRMONT	195471D
66.44	PRIVATE	FAIRMONT	195470W
66.64	310TH AVE	FAIRMONT	195469C
67.65	300TH AVE	FAIRMONT	195465A
68.65	290TH AVE	FAIRMONT	195461X
68.90	PRIVATE	FAIRMONT	195474Y
69.65	280TH AVE	FAIRMONT	195460R
70.65	270TH AVE	FAIRMONT	195459W
71.65	260TH AVE	FAIRMONT	195456B
72.69	250TH AVE	FAIRMONT	195455U
73.68	240TH AVE	FAIRMONT	195454M
74.20	PRIVATE	FAIRMONT	195453F
74.98	PRIVATE	FAIRMONT	195452Y

M.P.	STREET	CITY	DOT NBR
76.67	STATE ST.	FAIRMONT	195451S
77.21	PRAIRIE AVE	FAIRMONT	195450K
77.44	NORTH AVE	FAIRMONT	195449R
77.51	MAIN ST	FAIRMONT	195448J
77.75	PIONEER DR	FAIRMONT	195447C
78.22	FAIRLAKES AVE	FAIRMONT	195446V
79.01	190TH AVE	FAIRMONT	195445N
80.67	PRIVATE	FAIRMONT	195443A
81.02	170TH AVE	WELCOME	195442T
83.02	150TH AVE	WELCOME	195441L
85.18	N GUIDE ST	WELCOME	195439K
85.18	N GUIDE STREET	WELCOME	924271J
85.44	N DUGAN ST	WELCOME	195438D
85.66	HARRISON ST	WELCOME	195436P
86.77	PRIVATE	WELCOME	195384A
87.42	130TH ST	WELCOME	195385G
87.95	MARTIN RD	WELCOME	195383T
88.10	PRIVATE	WELCOME	195382L
88.49	140TH ST	TRIMONT	195381E
88.80	PRIVATE	TRIMONT	195380X
89.64	150TH ST	TRIMONT	195378W
90.38	PRIVATE	TRIMONT	195377P
91.08	163RD ST	TRIMONT	195376H
91.57	PRIVATE	TRIMONT	195375B
91.68	90TH AVE	TRIMONT	195374U
91.92	170TH ST	TRIMONT	195373M
92.58	PRIVATE	TRIMONT	195372F
92.95	180TH ST	TRIMONT	195371Y
94.00	MAIN 190TH ST	TRIMONT	195369X
95.02	200TH ST	TRIMONT	195368R
95.71	TH 4	TRIMONT	195367J
96.07	80TH AVE	TRIMONT	195366C
96.55	215TH ST	TRIMONT	195365V
97.06	220TH ST	TRIMONT	195364N
98.08	230TH ST	ODIN	195362A
99.10	240TH ST	ODIN	195361T
100.03	70TH AVE	ODIN	195359S
100.14	250TH ST	ODIN	195358K
101.46	CSAH 7	ODIN	195357D
101.73	DUMP RD	ODIN	195356W
102.27	PRIVATE	ODIN	195355P
102.81	415TH ST	ODIN	195354H
103.66	TWS140/ 660TH AVE	ODIN	195352U
104.13	PRIVATE	ODIN	195350F
104.41	CSAH 10 / 400TH	BUTTERFIELD	195349L
105.45	T-18 / 390TH ST	BUTTERFIELD	195348E
106.12	PRIVATE	BUTTERFIELD	195347X
106.45	T-119 / 380TH ST	BUTTERFIELD	195346R
107.17	PRIVATE	BUTTERFIELD	195344C
107.49	370TH ST	BUTTERFIELD	195343V





With your Help
by way of feedback
Reporting changes, corrections,
and suggestions. Our goal is to
Produce an accurate real world
Chart, that will assist road crews
with territorial knowledge

EMPLOYEE DRIVEN

Symbols Used

Detector Talker (ALWAYS TALKS)
Located at MP xxx.2

Detector talk on defect only
Located at MP xxx.5

Private Road Crossing

Public Road Crossing

AEI Reader

Bridge

Yard Board
Located at MP xxx.4

Tunnel

Knuckle Alley Watch your slack

Absolute Signal both directions

Directional Absolute Signal

Directional Absolute Signal

Intermediate Signal for both directions

Directional Intermediate Signal

Directional Intermediate Signal

Absolute Signal & Intermediate Signal

Intermediate Signal and Absolute Signal

SPEED CHANGE at MP xxx.2

Needs Verified

Road Crossing List Available at:
* UP Employee Home
* Departments
* Engineering
* Right of Way, Facilities and Maps
* Facilities Information And Maps
* Public Projects
* DOT Road Crossing Reports
* Summary list of DOTs

Don't Over Look the FILTERS.
I use MAINLINE and ACTIVE.

Special Note
The last digit for Intermediate signals designates
Signals NUMBER, not LOCATION. They are
for most parts the same, but may be up to 2500 feet different.
This holds true for Detectors as well.

KEY to reading Mini Fog Charts

After 5 minutes of studying chart make up.
Retrieving Territorial Data is fast and easy.

**Safety and Train Handling
are the two most important
issues these charts address**

Train Handling Guide

Following Grade Color Scheme used for suggested General Train Handling

Throttle Modulation **Dynamic Braking** **Automatic Braking** **Dynamic & Automatic Braking**

NOTE: No Two trains handle the same. This is a General Guide line only, and for a Green Light run. Common sense required.

- Throttle Modulation, you will be in power.
- Dynamics will probably be need.
- Dynamics and Air may be required.
- Automatic Brake application might be in order.
- Drifting, or light throttle or maybe light dynamics.
- You'll be in Dynamic, and might need air also. The grade is noticeable.
- Shot of air may be better than Dynamics if you missed your lag using throttle modulation.
- Grade Change point from 0.4 % to a 0.9 % grade

*In a Nut Shell
If Grade Color changes
be aware of Speed Issues*



Direction

Charts are drawn for both Directions.
Speeds, Footages, and Signal Numbers may differ.
Grade will definitely be different. Up is now down, and vice versa.
Good all around idea to use chart that corresponds to direction of travel.

Be Aware of

- ✓ Signals are for ALL MAINS & Controlled SIDINGS unless so noted.
- ✓ Footage between signals is an about sort of deal, and Not Verified
- ✓ Grade numbers might not be shown when room is unavailable
- ✓ Grade is Averaged at times
- ✓ Changes are made often, only your feedback will keep charts current
- ✓ **This does not replace or supplement your time table; this is only reference material for learning.**

Hints & Tips

- ✓ Printed double sided, charts fit one sheet per direction.
- ✓ When printing, select NONE for Page Scaling, and select Auto-Rotate and Center.
- ✓ Good for tracking SLOW ORDERS. Laminated, a Dry / Wet Marker works great.
- ✓ Working on Color in Low Visibility, knowing distance to next signal can be handy.
- ✓ Bright colored removable labels are great for notes. I like the round florescent orange ones. They grab your attention. I use for Radio Channel changes, slow orders, x orders etc.
- ✓ Add your own notes with a PDF editor

**REFERENCE ONLY
For Learning Purposes
Mistakes Guaranteed**

These are Grade & Speed Charts with a little extra
Room limitations prevents more information.
Went with priority order of:

SPEED - GRADE - DETECTORS - SIGNALS - TRACK - XINGS - FOOTAGE

I hope you find charts helpful.
For the most accurate charts possible,
I will need to hear from you.
That's how it works.
Jerry Kern
www.FOGCHART.com