










OSKALOOSA SUB (0108)

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REFERENCE ONLY
For Learning Purposes
Mistakes Guaranteed

--- Symbols Used ---

-  Private Road Crossing
-  Public Road Crossing
-  Watch Your SLACK
-  Yard Board Located at MP xxx.5
-  AEI Reader
-  Distant Intermediate Signal
-  Northward Absolute Signal
-  Southward Absolute Signal

 SPEED CHANGE at MP xxx.x

AUGUST 2008



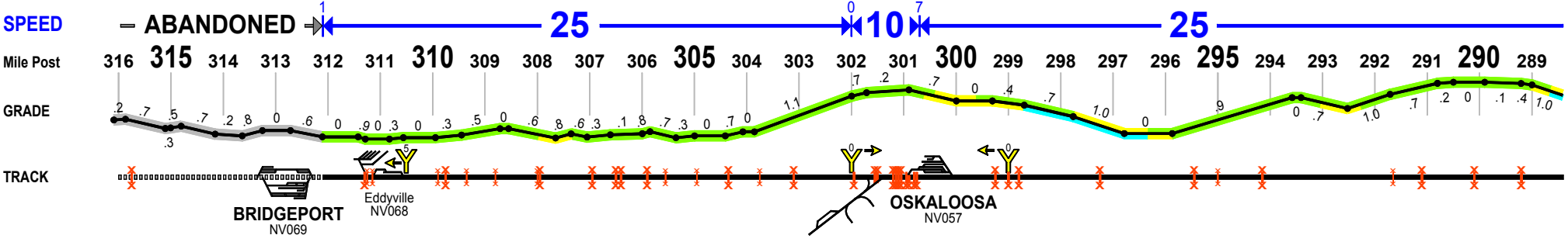
EMPLOYEE DRIVEN

Following Grade Color Scheme used for suggested General Train Handling

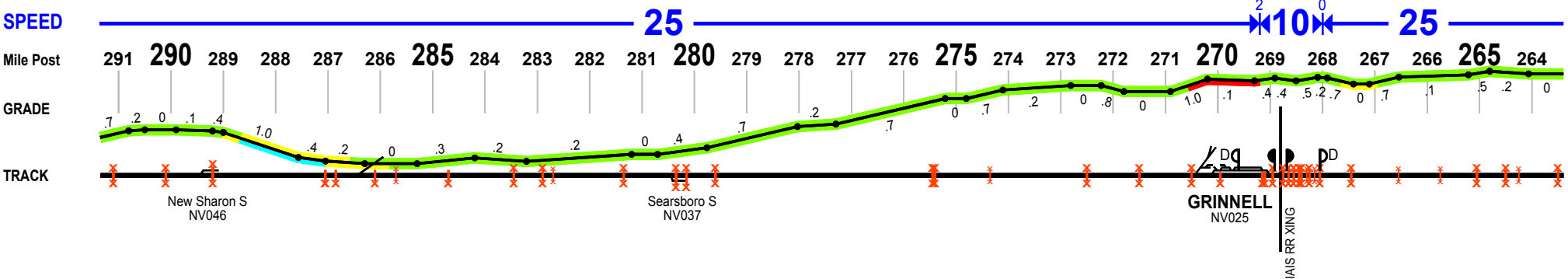
Throttle Modulation Dynamic Braking Automatic Braking Dynamic & Automatic Braking

See KEY
for Instructions
on How to Use

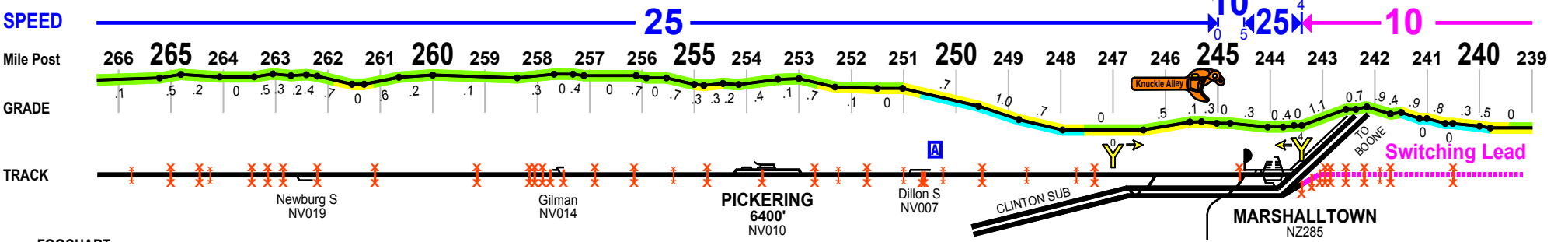
NORTH



NORTH



NORTH



OSKALOOSA SUB (0108)

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REFERENCE ONLY
For Learning Purposes
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--- Symbols Used ---

SPEED CHANGE at MP xxx.2

- Private Road Crossing
- Yard Board Located at MP xxx.5
- Distant Intermediate Signal
- Public Road Crossing
- Northward Absolute Signal
- Southward Absolute Signal
- Watch Your SLACK
- AEI Reader



Following Grade Color Scheme used for suggested General Train Handling

Throttle Modulation Dynamic Braking Automatic Braking Dynamic & Automatic Braking

See KEY for Instructions on How to Use

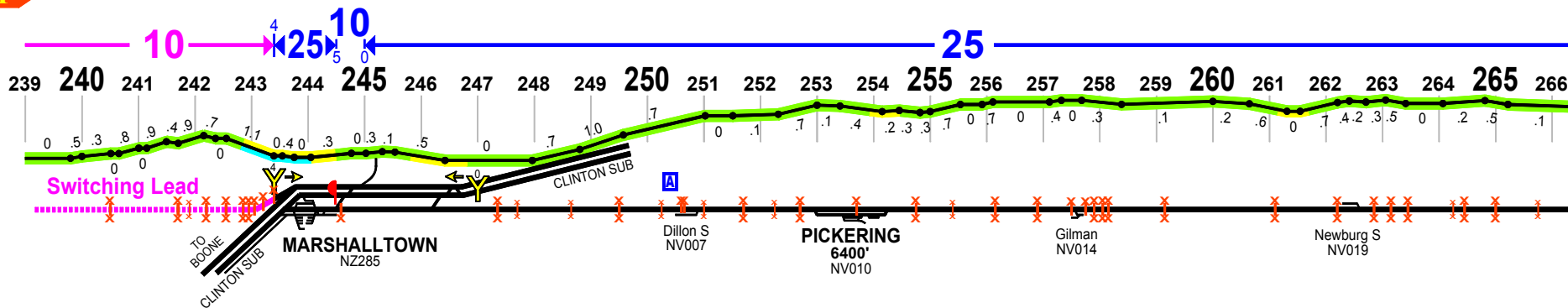
SOUTH

SPEED

Mile Post

GRADE

TRACK



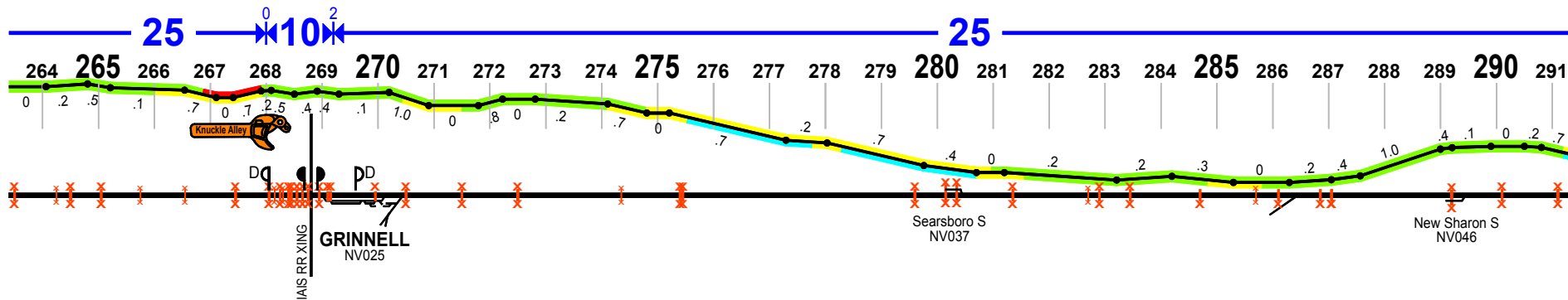
SOUTH

SPEED

Mile Post

GRADE

TRACK



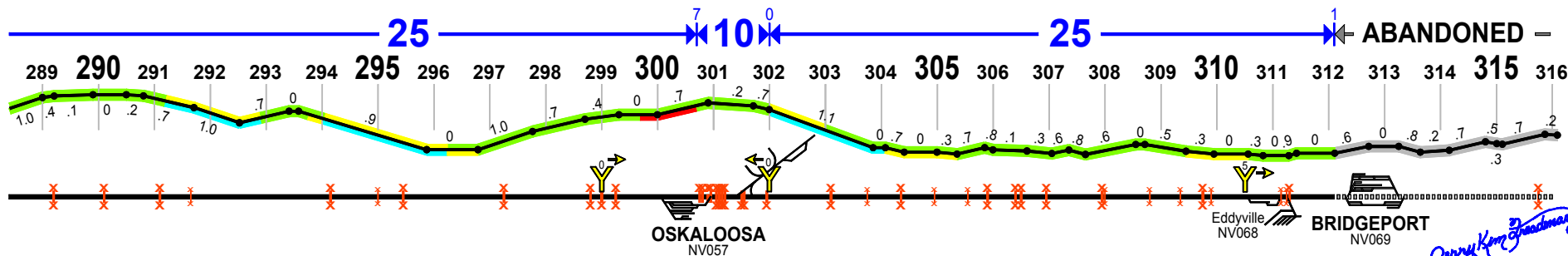
SOUTH

SPEED

Mile Post

GRADE

TRACK



Handwritten signature: Jerry K... (unclear)

AT GRADE ROAD CROSSINGS for OSKALOOSA SUB

| MP | Warning Device | Street | City | Dot Nbr. |
|--------|-------------------|-------------------|--------------|----------|
| 247.34 | XBucks | 230TH STREET | MARSHALLTOWN | 193046V |
| 247.70 | Stop Signs | PRIVATE | MARSHALLTOWN | 193047C |
| 248.63 | Stop Signs | PRIVATE | MARSHALLTOWN | 193049R |
| 249.52 | XBucks/Stop Signs | COPPOCK PK. RD. | MARSHALLTOWN | 193050K |
| 250.23 | Stop Signs | PRIVATE | MARSHALLTOWN | 193051S |
| 250.60 | Flashers | CR-T31/ DILLON RD | MARSHALLTOWN | 193052Y |
| 250.65 | XBucks | 260TH STREET/E49 | MARSHALLTOWN | 193053F |
| 251.02 | Stop Signs | PRIVATE | MARSHALLTOWN | 193054M |
| 251.70 | XBucks | 270TH STREET | MARSHALLTOWN | 193055U |
| 252.25 | Stop Signs | PRIVATE | MARSHALLTOWN | 193056B |
| 252.70 | XBucks/Stop Signs | 280TH ST. | GILMAN | 193057H |
| 253.71 | Flashers | 290TH ST./ CR-E63 | GILMAN | 193059W |
| 254.77 | XBucks | GREEN CASTLE RD | GILMAN | 193060R |
| 255.38 | Stop Signs | PRIVATE | GILMAN | 193061X |
| 256.16 | XBucks | YATES AVE | GILMAN | 193063L |
| 256.92 | XBucks | 320TH ST | GILMAN | 193064T |
| 257.49 | XBucks | 325TH ST | GILMAN | 193065A |
| 257.76 | Flashers | W CENTER ST/CRE67 | GILMAN | 193066G |
| 257.89 | XBucks | CHURCH ST. | GILMAN | 193067N |
| 258.05 | XBucks | W STRAIT ST | GILMAN | 193068V |
| 258.14 | Flashers | S MAIN ST/ CRT38 | GILMAN | 193069C |
| 259.13 | XBucks | 115TH AVE E | GILMAN | 193070W |
| 260.10 | XBucks/Stop Signs | 107TH AVE E | GILMAN | 193071D |
| 262.19 | Flashers | CO ROAD F17 | GRINNELL | 193074Y |
| 262.83 | XBucks/Stop Signs | N 87TH AVE E. | GRINNELL | 193075F |
| 263.13 | XBucks | E. 156TH ST. N. | GRINNELL | 193076M |
| 263.53 | XBucks | 340TH AVE | GRINNELL | 193077U |
| 264.26 | Stop Signs | PRIVATE | GRINNELL | 193079H |
| 264.50 | XBucks | 20TH ST | GRINNELL | 193080C |
| 265.07 | XBucks | 350TH AVE | GRINNELL | 193082R |
| 265.73 | Stop Signs | PRIVATE | GRINNELL | 193084E |
| 266.53 | Stop Signs | PRIVATE | GRINNELL | 193086T |
| 267.45 | XBucks | 16TH AVE | GRINNELL | 193087A |
| 268.05 | XBucks | 10TH AVE | GRINNELL | 193088G |
| 268.25 | Flashers | 8TH AVE | GRINNELL | 193089N |
| 268.28 | XBucks/Stop Signs | PEDESTRIAN | GRINNELL | 193090H |
| 268.30 | XBucks/Stop Signs | PEDESTRIAN | GRINNELL | 193091P |
| 268.32 | XBucks/Stop Signs | PEDESTRIAN | GRINNELL | 193093D |
| 268.40 | XBucks/Stop Signs | PEDESTRIAN | GRINNELL | 193094K |
| 268.45 | XBucks/Stop Signs | PEDESTRIAN | GRINNELL | 193095S |
| 268.47 | Cants | 6TH AVE/ HWY 6 | GRINNELL | 193096Y |
| 268.56 | XBucks | 5TH AVE | GRINNELL | 193097F |
| 268.67 | Flashers | 4TH AVE | GRINNELL | 193098M |
| 268.77 | XBucks | 3RD AVE | GRINNELL | 193099U |
| 268.97 | XBucks | 1ST AVE | GRINNELL | 193101T |
| 269.07 | Flashers | HAMILTON AVE | GRINNELL | 193102A |
| 269.16 | XBucks | WASHINGTON AVE | GRINNELL | 193103G |
| 269.94 | Gates | OGAN AVE | GRINNELL | 193105V |
| 270.48 | Flashers | PINDER AVE / F35 | GRINNELL | 193106C |
| 271.48 | XBucks | 410TH AVE | GRINNELL | 193107J |
| 272.49 | XBucks | 420TH AVE | GRINNELL | 193109X |
| 274.35 | Stop Signs | PRIVATE | GRINNELL | 193112F |
| 274.45 | Flashers | EWART RD/CRF46 | GRINNELL | 193113M |
| 275.46 | XBucks | 450TH AVE | SEARSBORO | 193116H |

| MP | Warning Device | Street | City | Dot Nbr. |
|--------|-------------------|-------------------|------------|----------|
| 279.58 | XBucks | 485TH AVE | SEARSBORO | 193120X |
| 280.13 | XBucks | 490TH AVE/ 4TH ST | SEARSBORO | 193121E |
| 280.34 | XBucks | 2ND ST | SEARSBORO | 193122L |
| 281.35 | XBucks | 40TH ST | SEARSBORO | 193124A |
| 282.70 | Stop Signs | PRIVATE | SEARSBORO | 193130D |
| 282.91 | XBucks | 515TH AVE | SEARSBORO | 193126N |
| 283.43 | XBucks | 520TH AVE | SEARSBORO | 193127V |
| 284.68 | XBucks | RIVER RD. | NEW SHARON | 193129J |
| 285.69 | Stop Signs | PRIVATE | NEW SHARON | 924025Y |
| 286.11 | Flashers | 146 HWY | NEW SHARON | 193131K |
| 286.83 | XBucks | CO RD | NEW SHARON | 193132S |
| 287.07 | XBucks | 110TH ST/ CR-G13 | NEW SHARON | 193133Y |
| 289.20 | XBucks | DEPOT ST. | NEW SHARON | 193136U |
| 290.09 | XBucks | 140TH ST | NEW SHARON | 193138H |
| 291.10 | XBucks | 150TH ST/ CR-G23 | NEW SHARON | 193139P |
| 291.65 | Stop Signs | PRIVATE | NEW SHARON | 193141R |
| 294.13 | XBucks | 180TH ST | NEW SHARON | 193145T |
| 295.00 | Stop Signs | PRIVATE | OSKALOOSA | 199565T |
| 295.45 | XBucks | 193RD ST | OSKALOOSA | 199566A |
| 296.26 | XBucks | 200TH ST | OSKALOOSA | 199567G |
| 297.26 | XBucks | 210TH ST | OSKALOOSA | 199568N |
| 298.80 | XBucks | CO ROAD | OSKALOOSA | 199570P |
| 298.98 | XBucks | LYNNDAL LN. | OSKALOOSA | 199571W |
| 299.23 | XBucks | 230TH ST | OSKALOOSA | 199572D |
| 300.75 | Gates | "G" AVE WEST | OSKALOOSA | 199573K |
| 300.81 | XBucks | E AVE WEST | OSKALOOSA | 199574S |
| 300.88 | XBucks | D AVE WEST | OSKALOOSA | 199575Y |
| 300.95 | Flashers | C. AVE WEST | OSKALOOSA | 199576F |
| 301.05 | Gates | B AVE WEST | OSKALOOSA | 199577M |
| 301.08 | Gates/Cants | A AVE WEST | OSKALOOSA | 199578U |
| 301.15 | Cants | HIGH AVE WEST | OSKALOOSA | 199579B |
| 301.21 | XBucks | 1ST AVE WEST | OSKALOOSA | 199580V |
| 301.53 | XBucks | 6TH AVE WEST | OSKALOOSA | 200101N |
| 301.55 | XBucks | SO H ST | OSKALOOSA | 199596S |
| 301.96 | Flashers | INDIAN WAY | OSKALOOSA | 199597Y |
| 303.10 | XBucks/Stop Signs | EAST ST. | OSKALOOSA | 199598F |
| 303.77 | Stop Signs | PRIVATE | OSKALOOSA | 199599M |
| 304.37 | XBucks | 275TH ST | OSKALOOSA | 199600E |
| 304.94 | Stop Signs | PRIVATE | OSKALOOSA | 199601L |
| 305.57 | Stop Signs | PRIVATE | OSKALOOSA | 199603A |
| 305.88 | XBucks | 290TH ST | OSKALOOSA | 199604G |
| 306.45 | XBucks | KENT AVE | OSKALOOSA | 199605N |
| 306.49 | XBucks | 295TH ST. | OSKALOOSA | 199606V |
| 306.95 | XBucks | KENT AVE | EDDYVILLE | 606502N |
| 307.96 | Cants | 310TH ST | EDDYVILLE | 606501G |
| 308.01 | Stop Signs | PRIVATE | EDDYVILLE | 924026F |
| 308.80 | Stop Signs | PRIVATE | EDDYVILLE | 924027M |
| 309.37 | Stop Signs | PRIVATE | EDDYVILLE | 924028U |
| 309.76 | XBucks | KIRBY AVE | EDDYVILLE | 606500A |
| 309.88 | Stop Signs | PRIVATE | EDDYVILLE | 199607C |
| 310.15 | Stop Signs | PRIVATE | EDDYVILLE | 199608J |
| 311.23 | Stop Signs | PRIVATE | EDDYVILLE | 199610K |
| 311.30 | XBucks | STRAWBERRY ST | EDDYVILLE | 199611S |



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**

With your feedback on changes & corrections.
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.5

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.

**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

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

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 Kemp (Franchman)

www.FOGCHART.com