

Creating Waybills and Car Cards with Excel - Gary Saxton

Mon & Wed, 8:00 AM

Use & Abuse of Excel Tues 4:00 PM & Thurs 8:00

NYO&W Ops Sun noon (lunch) to 4:30

3 hours south

Downloads

my.att.net/p/pwp-nyow

Slight difference on column widths

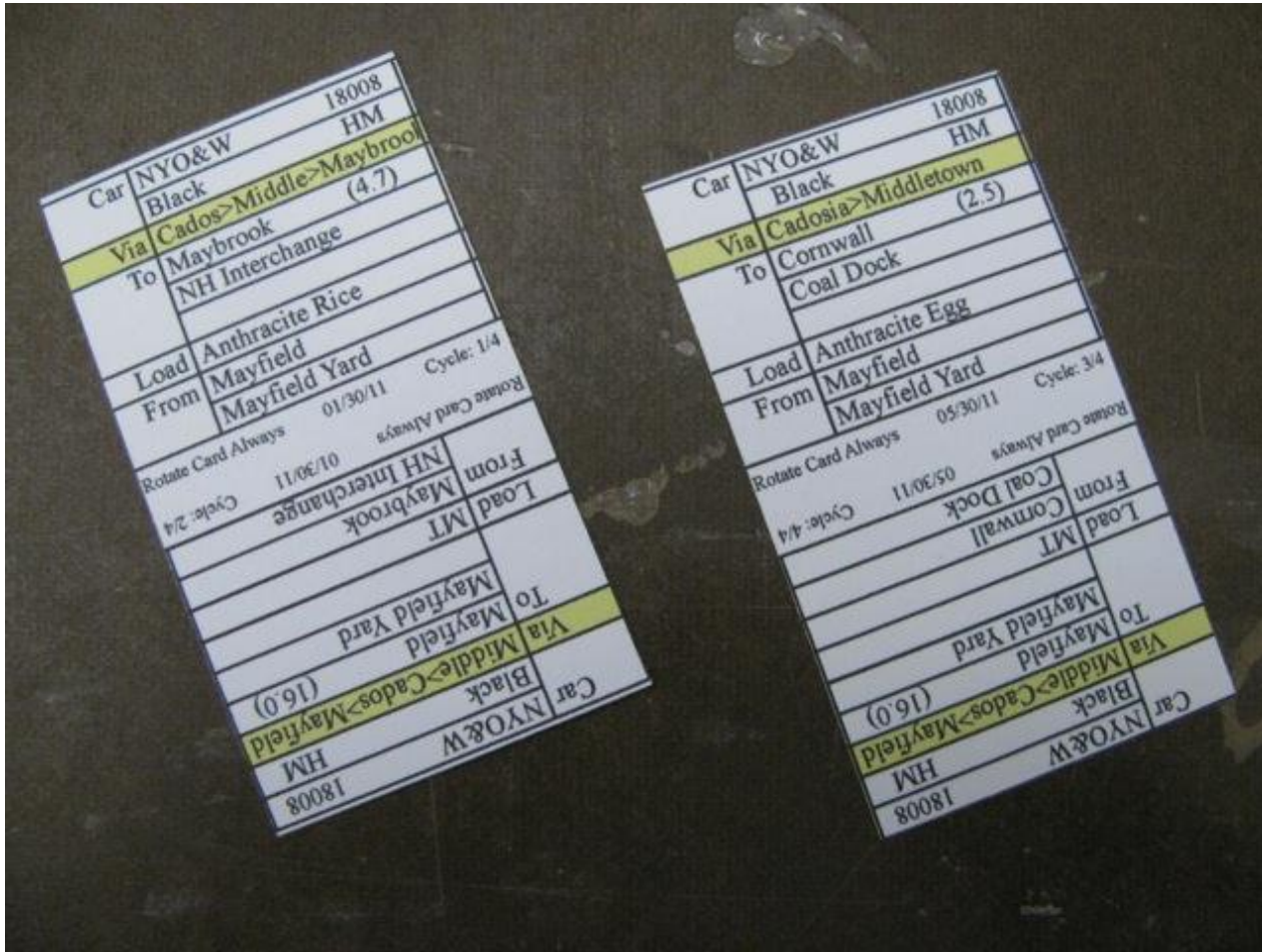
Slight differences with printer drivers

gbs46@sbcglobal.net

Overview

- Slides – Setting the Stage
- Car Inventory/Car Card & “Dumb” Waybill SS
- More Slides – Explain Complex Waybill
- Review SS
- Two Parts
 - Half to Two-thirds Overview
 - Remainder to dig into SS (or run for the exit)

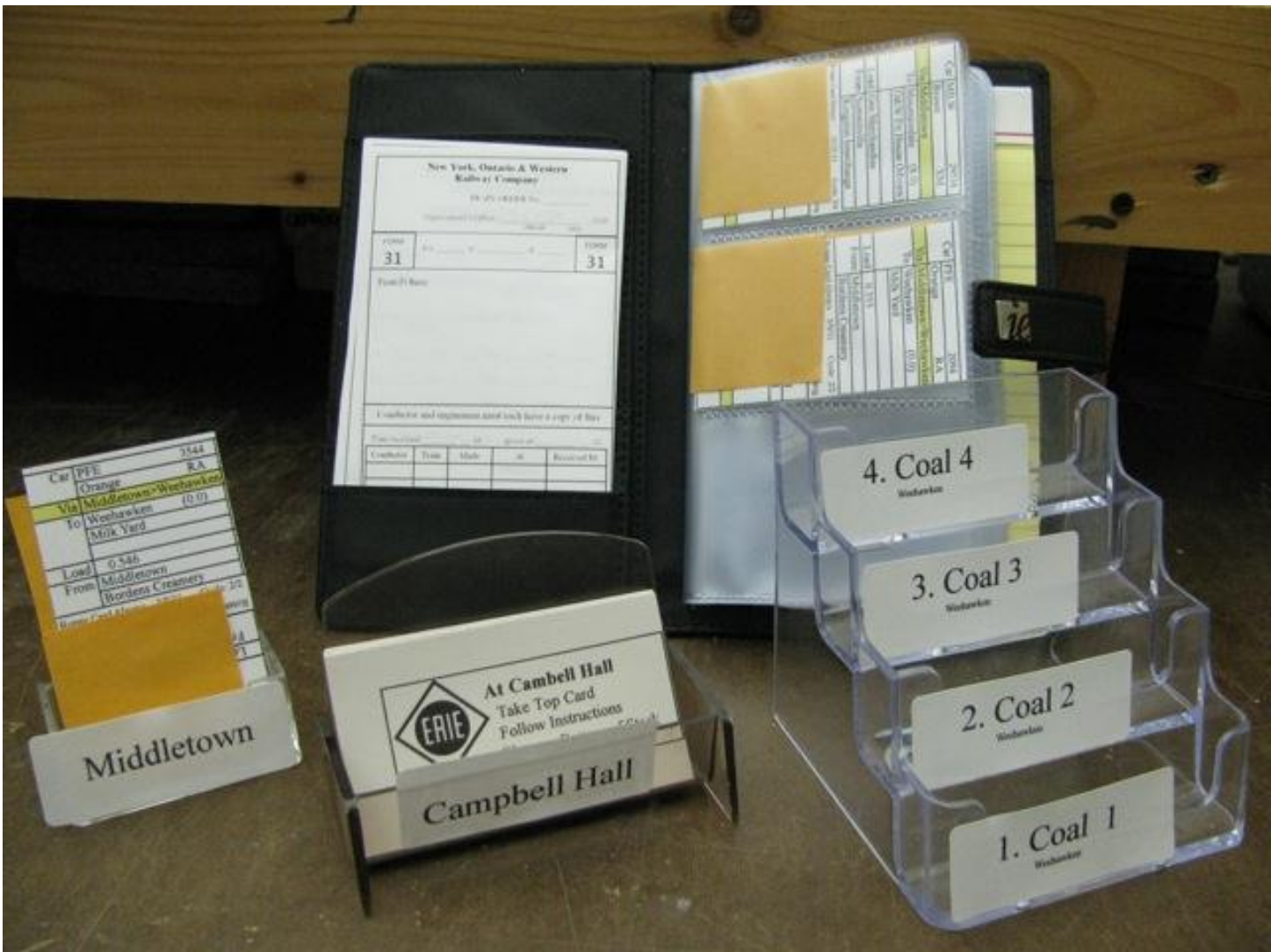
Today's Objective



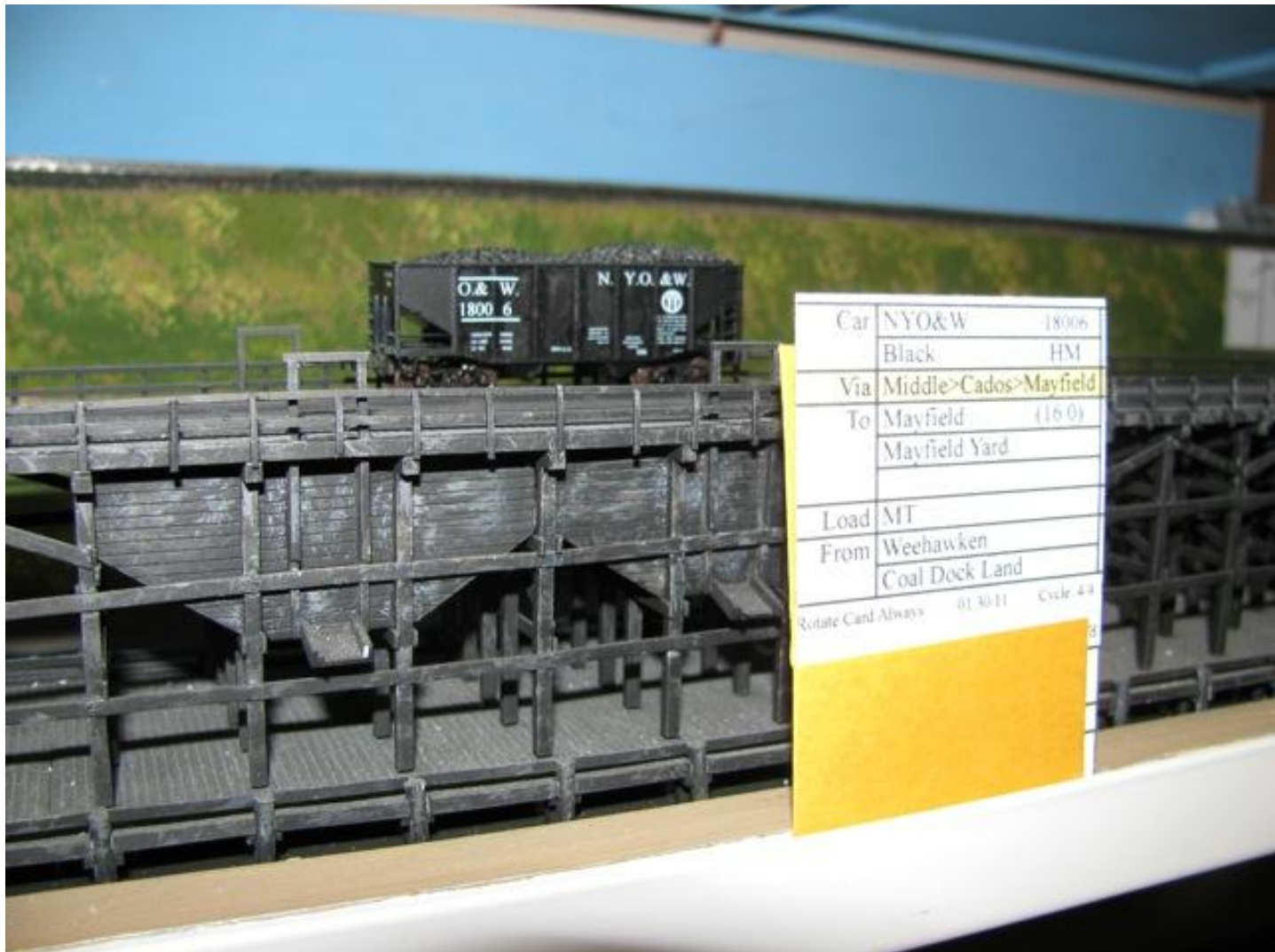
\$35/1,000 ~ 3.5 c



Lots of Biz Card “Infrastructure”



No Fascia



Waybill Envelopes \$22/500 ~ 4.4 c



Q: Why Bother?

- “Commercial” Options
- Shareware Options
- Pen and Paper from Micro-Mart

A: Think of it as Scratch Building

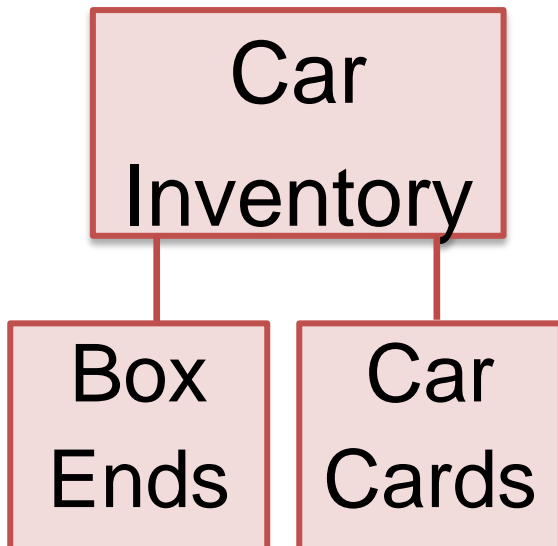
- Dependent
 - Skills
 - Interests
- Get exactly what you want
- Another dimension to the hobby

How well do you know Excel?

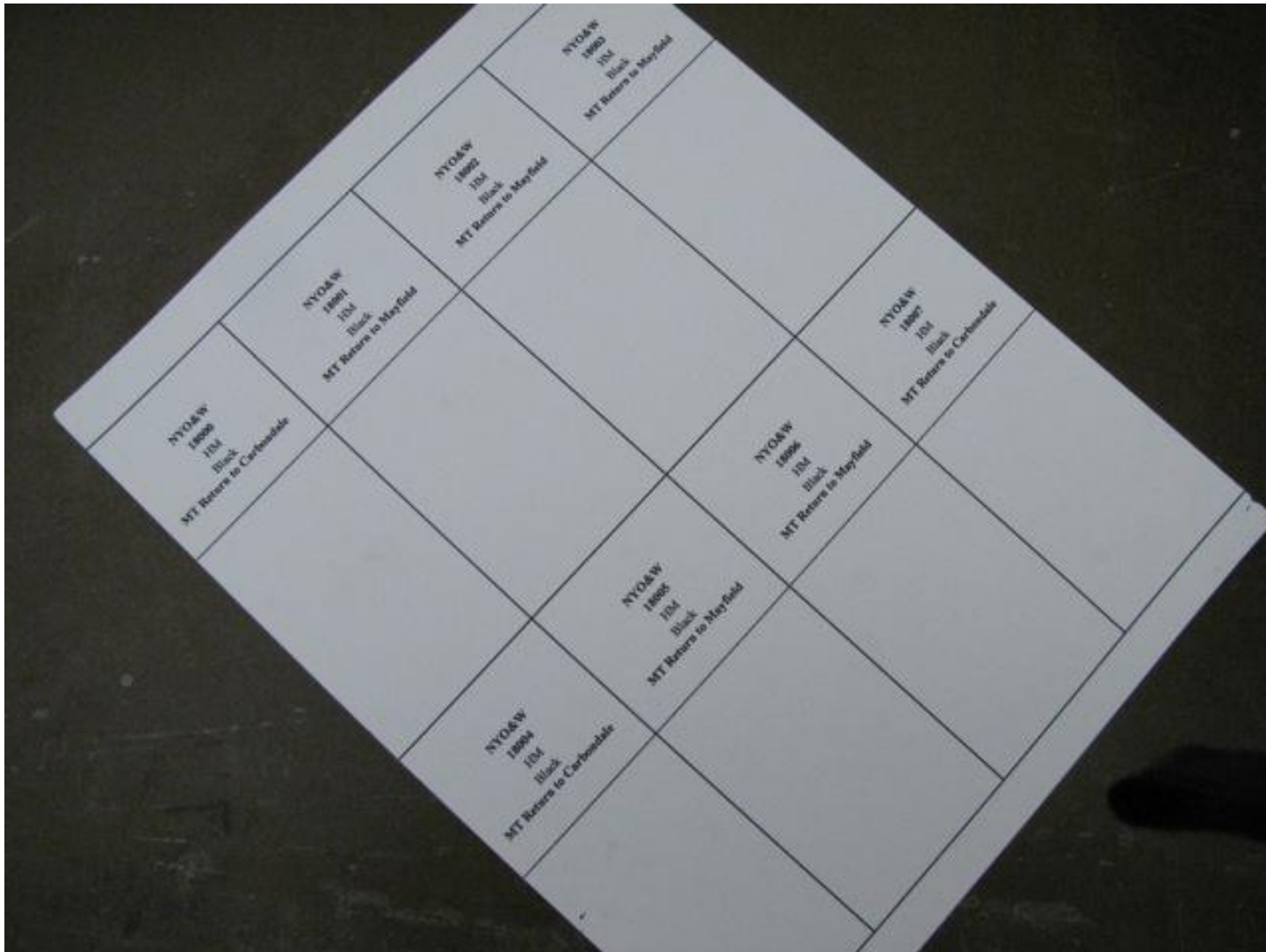
- Hands up please. Have you...
 - Made it an important part of your life?
 - Developed several spreadsheets?
 - Developed at least one spreadsheet?
 - Heard the name?

Car Cards

- Car Type – HM – Open Hopper
- Owner – NYO&W
- Number 18000
- Future
- Future
- Detail Description – 33'
- Manufacturer – Atlas
- Manufacturer's No.
- Color
- Cost
- Etc.



Car Card Print



Car Card Construction



Box Ends

AA 73835 XM MTL	AT&SF 145985 XM MTL	AT&SF 270630 XM MTL	AT&SF 38016 XM MTL	AT&SF 38993 XM RSDP
BAW 2246 XM MTL	BAW 2830 XM MTL	BAW 2830 XM MTL	BAW 2830 XM MTL	BAW 2830 XM MTL
CBMO 10971 XM MTL	CBMO 11109 XM MTL	CBMO 11109 XM MTL	CBMO 11109 XM MTL	CBMO 11109 XM MTL
CC 4240 XM MTL	CC 4240 XM MTL	CC 4240 XM MTL	CC 4240 XM MTL	CC 4240 XM MTL
CAU 17200 XM MTL	CAU 17200 XM MTL	CAU 17200 XM MTL	CAU 17200 XM MTL	CAU 17200 XM MTL
CNV 142500 XM MTL	CNV 142500 XM MTL	CNV 142500 XM MTL	CNV 142500 XM MTL	CNV 142500 XM MTL
GN 3000 XM MTL	GN 3000 XM MTL	GN 3000 XM MTL	GN 3000 XM MTL	GN 3000 XM MTL
GTW 5100708 XM MTL	GTW 5100708 XM MTL	GTW 5100708 XM MTL	GTW 5100708 XM MTL	GTW 5100708 XM MTL
KNW 224 XM MTL	KNW 224 XM MTL	KNW 224 XM MTL	KNW 224 XM MTL	KNW 224 XM MTL
NY 35155 XM MTL	NY 35155 XM MTL	NY 35155 XM MTL	NY 35155 XM MTL	NY 35155 XM MTL
OP 30020 XM MTL	OP 30020 XM MTL	OP 30020 XM MTL	OP 30020 XM MTL	OP 30020 XM MTL
CP 230454 XM MTL	CP 230454 XM MTL	CP 230454 XM MTL	CP 230454 XM MTL	CP 230454 XM MTL
GN 24872 XM MTL	GN 24872 XM MTL	GN 24872 XM MTL	GN 24872 XM MTL	GN 24872 XM MTL
NY 35157 XM MTL	NY 35157 XM MTL	NY 35157 XM MTL	NY 35157 XM MTL	NY 35157 XM MTL
NY 42004 XM MTL	NY 42004 XM MTL	NY 42004 XM MTL	NY 42004 XM MTL	NY 42004 XM MTL
NYCBAW 04280 XM MTL	NYCBAW 04280 XM MTL	NYCBAW 04280 XM MTL	NYCBAW 04280 XM MTL	NYCBAW 04280 XM MTL
NY 42007 XM MTL	NY 42007 XM MTL	NY 42007 XM MTL	NY 42007 XM MTL	NY 42007 XM MTL
NYC 4101 XM MTL	NYC 4101 XM MTL	NYC 4101 XM MTL	NYC 4101 XM MTL	NYC 4101 XM MTL

Waybills

- Basic Car Info, If No Car Card
- To City, “Industry” and “Spot”
- Cargo
- Via – Train or Node
- From Data
- Intermediate Servicing
- Placement in Train
- Aesthetics – Prototype Look

Why I Skipped Car Card

Consideration	Large Layout	Small Layout
Car Count	Large	Small
Observable Car Cycling	Difficult to Imperceptible	Obvious
Industry Count	Large	Small
Observable Load Cycling	Difficult to Imperceptible	Obvious
Separate Car Card and Waybills	Adds to Administrative Burden	Helps Break Up Observable Cycling

Waybill "Page" 2 & 4

The image shows two overlapping waybill forms, labeled "Page 2" and "Page 4". The documents are filled with shipping data. Key sections include:

- Header/Origin:** Car NYO&W 18007 Black, To Mayfield NH Interchange.
- Destination:** Car NYO&W 18007 Black, To Mayfield NH Interchange.
- Commodity:** Anthracite Stone, Carboniferous, Anthracite Rice, etc.
- Locations:** Mayfield Yard, NH Interchange, Mayfield NH Interchange, etc.
- Car Numbers:** 18007, 18008, 18009, 18010, etc.

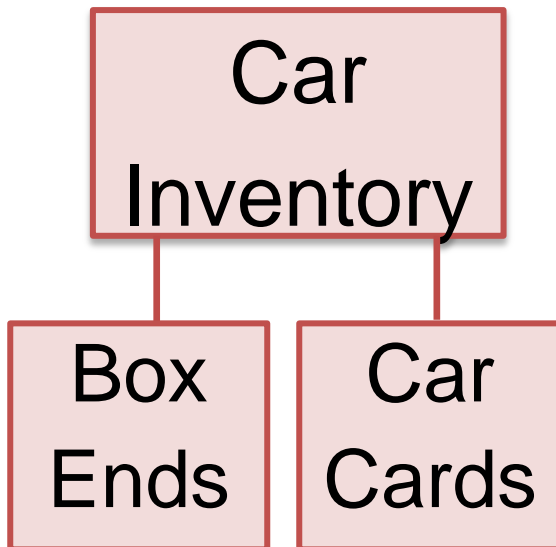
The waybills are densely packed with text and tables, and the overlapping nature of the two pages makes it difficult to read the individual entries clearly. The text is somewhat repetitive and difficult to read due to the angle and overlap.

Spreadsheets

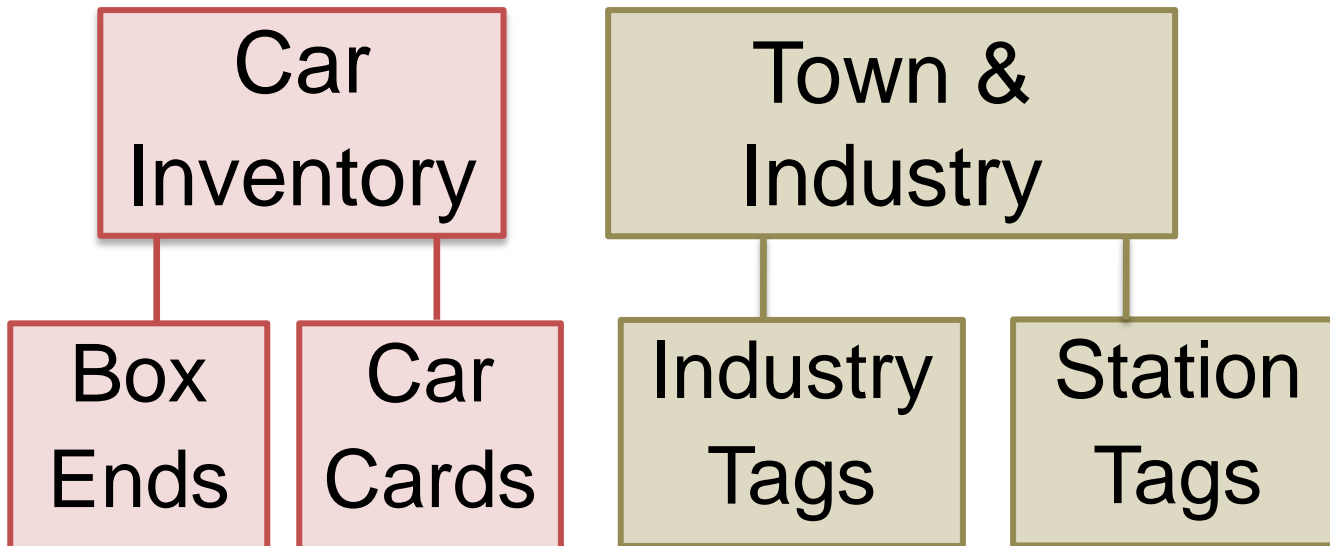
- Car Inventory
- Way Bill Format

Car Cards

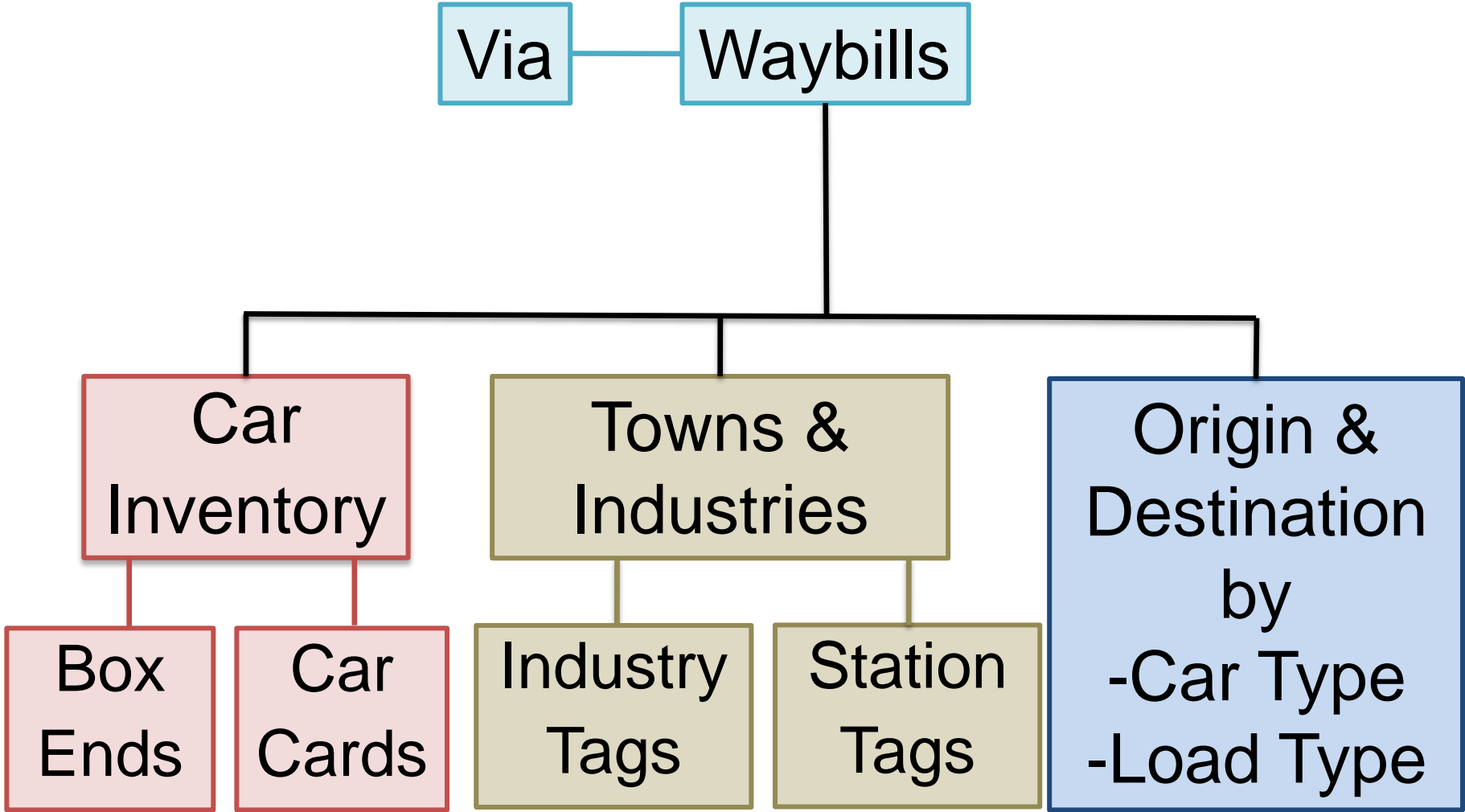
- Car Type – HM – Open Hopper
- Owner – NYO&W
- Number 18000
- Destination Probability
- Load Probability
- Detail Description – 33'
- Manufacturer – Atlas
- Manufacturer's No.
- Color
- Cost
- Etc.



Car Management



Car Management (Data Base)



Integrated Car Cards? and Waybills

- Useful Formulae and Features
 - HLOOKUP, VLOOKUP and MATCH
 - INDEX
 - INDIRECT
 - LEFT
 - COLUMN() and ROW()
 - & as text operation
 - Data Validation

Integrated Spreadsheets

- More SS

Questions