new 433 HW

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```r
library(readr)
```

```
## Warning: package 'readr' was built under R version 3.6.2
```

```r
X<-read_table("bridge.txt",col_names = FALSE)
```

```
##
## -- Column specification -------------------------------------------------
## cols(
##    .default = col_character()
## )
## i Use `spec()` for the full column specifications.

## Warning: 12806 parsing failures.
## row col   expected      actual          file
##   2  -- 21 columns 20 columns 'bridge.txt'
##   4  -- 21 columns 22 columns 'bridge.txt'
##   5  -- 21 columns 16 columns 'bridge.txt'
##   6  -- 21 columns 16 columns 'bridge.txt'
##   7  -- 21 columns 20 columns 'bridge.txt'
## ... ... .......... .......... ...........
## See problems(...) for more details.
```

```r
X
```

```
## # A tibble: 16,155 x 21
##     X1     X2    X3    X4    X5    X6    X7    X8    X9    X10   X11   X12
##     <chr>  <chr> <chr> <chr> <chr> <chr> <chr> <chr> <chr> <chr> <chr> <chr>
##  1 01400~ CREEK IRR   BIA   RTE   4007  11.4~ NW    OF    ATMO~ AL    9999~
##  2 01400~ CREEK IRR   BIA   RTE   4003  ON    LYNN  MCGEE ROAD  9999~ 0000~
##  3 01400~ CREEK 101ST AIRB~ RD    3.4   KM    S     OF    SUNS~ RD    9999~
##  4 01400~ BEAR  CR.   DAM   SPW   CO.   RD    88    LITT~ BEAR  CR    DAM
##  5 01400~ RIVER SR    101   ON    WHEE~ DAM   0452~ 0034~ N     0619  0500~
##  6 01400~ RIVER Res   Rd    ON    WILS~ DAM   9999~ 0034~ N     0618  0350~
##  7 01400~ 1410~ CREEK COUN~ CLUB  ROAD  1     MILE  EAST  HWY   195   0457~
##  8 01400~ 1410~ CREEK KINGS MILL  ROAD  1     MILE  N     OAKM~ HWY   0402~
##  9 01400~ PAINT ROCK  CREEK LOCK  ACCE~ ROAD  0.3   MI    SOUTH US    431
## 10 01400~ 1500~ RAIL~ STRE~ 0.5   MI    E     SR#17 9999~ Y120~ 0619~ 0
## # ... with 16,145 more rows, and 9 more variables: X13 <chr>, X14 <chr>,
## #   X15 <chr>, X16 <chr>, X17 <chr>, X18 <chr>, X19 <chr>, X20 <chr>,
## #   X21 <chr>
```

```r
str(X)
```

```
## Classes 'spec_tbl_df', 'tbl_df', 'tbl' and 'data.frame': 16155 obs. of  21 variables:
##  $ X1 : chr  "01400000000000S7021610400700905300000PERDIDO" "01400000000000S7031610400300905303004PEI
```

```
##  $ X2 : chr  "CREEK" "CREEK" "CREEK" "BEAR" ...
##  $ X3 : chr  "IRR" "IRR" "101ST" "CR." ...
##  $ X4 : chr  "BIA" "BIA" "AIRBORNE" "DAM" ...
##  $ X5 : chr  "RTE" "RTE" "RD" "SPW" ...
##  $ X6 : chr  "4007" "4003" "3.4" "CO." ...
##  $ X7 : chr  "11.4KM" "ON" "KM" "RD" ...
##  $ X8 : chr  "NW" "LYNN" "S" "88" ...
##  $ X9 : chr  "OF" "MCGEE" "OF" "LITTLE" ...
##  $ X10: chr  "ATMORE," "ROAD" "SUNSHINE" "BEAR" ...
##  $ X11: chr  "AL" "99990001100000000000000003106202008734089000336262092002020000015920195006500001111
##  $ X12: chr  "99990001500000000000000003106109408734134800336262091999020000005020195009703001111500000
##  $ X13: chr  "000000021924N" "N" "0032174330-0845837.0183747409194202000003752017401040000001150000000
##  $ X14: chr  "N" "N" "Y60N" "0034270600087581200016367670819740200000430201750116099011115N0000000000A
##  $ X15: chr  "N" "00000000000000000002019" "1017" "061824N" ...
##  $ X16: chr  "00000000000000000002019" "0" "000001000001000022019" "N" ...
##  $ X17: chr  "0" "0N2" "0N2" "N" ...
##  $ X18: chr  "0N2" "0100002608010" "0000001100350" "0N2" ...
##  $ X19: chr  "0100002601010" "Y800020020390000Y62" "Y50004002039" "0000001000050" ...
##  $ X20: chr  "Y800005920390000Y62" "G70000013328" "Y74" "Y50006002037" ...
##  $ X21: chr  "G70000014550" NA "F50000038700" "Y67" ...
##  - attr(*, "problems")=Classes 'tbl_df', 'tbl' and 'data.frame': 12806 obs. of  5 variables:
##   ..$ row     : int  2 4 5 6 7 8 9 10 12 13 ...
##   ..$ col     : chr  NA NA NA NA ...
##   ..$ expected: chr  "21 columns" "21 columns" "21 columns" "21 columns" ...
##   ..$ actual  : chr  "20 columns" "22 columns" "16 columns" "16 columns" ...
##   ..$ file    : chr  "'bridge.txt'" "'bridge.txt'" "'bridge.txt'" "'bridge.txt'" ...
##  - attr(*, "spec")=
##   .. cols(
##   ..   X1 = col_character(),
##   ..   X2 = col_character(),
##   ..   X3 = col_character(),
##   ..   X4 = col_character(),
##   ..   X5 = col_character(),
##   ..   X6 = col_character(),
##   ..   X7 = col_character(),
##   ..   X8 = col_character(),
##   ..   X9 = col_character(),
##   ..   X10 = col_character(),
##   ..   X11 = col_character(),
##   ..   X12 = col_character(),
##   ..   X13 = col_character(),
##   ..   X14 = col_character(),
##   ..   X15 = col_character(),
##   ..   X16 = col_character(),
##   ..   X17 = col_character(),
##   ..   X18 = col_character(),
##   ..   X19 = col_character(),
##   ..   X20 = col_character(),
##   ..   X21 = col_character()
##   .. )
```

Github repository

https://github.com/JialuoLi/Myrepo