



Expression Templates  
RAILPort®  
Revision Number 1  
2/17/2020

Here are some expressions that users are looking to have templated:

- Concatenating Columns Expressions:

### Origin City, State

Builder Preview

New Save Open + - × ÷ ( ) ↶ ↷

[Origin City] + , [Origin State]

### CLM City, St

Builder Preview

New Save Open + - × ÷ ( ) ↶ ↷

[CLM City] + , [CLM State]

### Trip Dest. City, St

Builder Preview

New Save Open + - × ÷ ( ) ↶ ↷

[Trip Destination City] + , [Trip Destination State]

### Return City, St

Builder Preview

New Save Open + - × ÷ ( ) ↶ ↷

[Return City] + , [Return State]

Here are some expressions that users are looking to have templated:

- Replace Value Expressions
  - o Car Status

**1**

### Car Status

Builder Preview

New Save Open + - × ÷ ( ) ↶ ↷ 🗑️

ReplaceValues([Car Status], 📄)

**2**

### Car Status

Builder Preview

New Save Open + - × ÷ ( ) ↶ ↷

ReplaceValues([Car Status], 📄)

Original Values		New Values	
b	×	At Origin	×
1		Loaded to Consignee	×
2		At Consignee	×
3		Empty to Origin	×

- Sight Codes:

**1**

### Sight Codes

Builder Preview

New Save Open + - × ÷ ( ) ↶ ↷ 🗑️

ReplaceValues([Sight Code], 📄)

# Sight Codes

BuilderPreview

NewSave

Open

+−×÷()

↶↷

🗑

ReplaceValues([Sight Code])

2

Replace Values

Original Values		New Values
A	×	Arrival
B		Bad Ordered
D		Arrival at Destination
G		Bad Order Release
H		Car Delayed or Held
J		Junction Delivery
P		Departed
Q		Start of Shipment
R		Junction Received
S		Storage
W		Released
X		Pulled
Y		Constructive Placement
Z		Actual Placement

Ok

Cancel

Here are some expressions that users are looking to have templated:

- If Statements
  - o CP Date
  - o AP Date
  - o Cust Release Date
  - o Trip Close Date

### (Act) CP Date

Builder Preview

New Save Open + - x ÷ ( ) ↶ ↷ 🗑

If [Dest. Arrv. Type] = ▼ A

[Dest. Arrv. Date Time]

Else

[System:Null]

### (Act) AP Date

Builder Preview

New Save Open + - x ÷ ( ) ↶ ↷ 🗑

If [Cust. Div. Type] = ▼ A

[Cust. Div. Date Time]

Else

[System:Null]

### (Act) Cust Release Date

Builder Preview

New Save Open + - x ÷ ( ) ↶ ↷ 🗑

If [Cust. Rel. Type] = ▼ A

[Cust. Rel. Date Time]

Else

[System:Null]

### (Act) Trip Close Date

Builder
Preview

New
 Save
 Open

+
-
x
÷
(
)
↶
↷

If [Trip Close Type] = A

[Trip Close Date Time]

Else

[System:Null]

### Current ETA

Builder
Preview

New
 Save
 Open

+
-
x
÷
(
)
↶
↷

If [Car Status] = 1

[ETA to Customer]

Else

If [Car Status] = 2

[ETA to Customer]

Else

[ETA to Origin]

How to build a ReConvert Expression. For example, if you're having issues with exporting to csv and columns of the data are being misaligned try using below expression:

- First Field – Select column where you're having data issues with
- Second Field: Copy Paste `([^,\']*)(?:[,\'"]([^\']*))*?`
- Third Field: Copy Paste `"$1$2"`

`REConvert([Customer Name] , ([^,\']*)(?:[,\'"]([^\']*))*? , "$1$2" )`

Columns that might need above expression are listed below:

- Customer Name
- Car mech Fleet Name
- Care of Name
- Commodity Name
- Customer P.O. No.
- Last Hot list Comments
- Last Shipment Comments
- Shop Comments
- Trip Fleet Name

How to build a ReConvert Expression.

1. First box enter field
2. Second box `([^,\'\n]*) (?:[,\'"] ([^\,\'\n]*) ) ?`
3. Third Box `"$1$2"`

**Customer Name**

Builder
Preview

New Save Open + - x ÷ ( ) ↶ ↷ 🗑

`REConvert([Customer Name] , ([^,\'\n]*) (?:[,\'"] ([^\,\'\n]*) ) ? , "$1$2" )`

How to build a ReConvert Expression. For example, if you're wanting to remove the leading zeros from a car number you can do so by using below example:

**CAR NUMBER REPLACE**

Builder
Preview

New Save Open + - x ÷ ( ) ↶ ↷ 🗑

`REConvert([Car Number] , 0*(\d+) , $1 )`