RunLengthsProcessor

RunLengthsProcessor will outputs an Excel file of consecutive duplicate IRIAVG values within a condition collection. The application selects all RoadLimits ordered by HWY, DIR, FROMMEASURE, and TOMEASURE. Next it loops through each RoadLimit and selects all Condition collections that have the RoadLimit’s HWY and DIR; are between the RoadLimit’s FROMMEASURE and TOMEASURE; and then, orders these by HWY, DIR, FROMMESAURE and TOMEASURE. It performs another loop of the Condition records and compare the current row’s IRIAVG to the next row’s IRIAVG value. If it finds that the two values are a match, the application will write these two rows out to an excel file for review.

# Configuration

Configure the application in the RunLengthsProcess.exe.config file.

## Connection String

Change the connectionString to reference your database. Do not change the connection string name.



## App Settings

Change the table references and Excel file name in the appSettings. Do not change the column references.



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| Key | Description |
| tables:conditions | Conditions collection table. |
| tables:roadLimits | Road limits table. |
| tables:conditions:columns | List of columns to select from conditions table. Do not change. |
| tables:roadLimits:columns | List of columns to select from road limits table. Do not change. |
| tables:conditions:orderBy | Order of condition records. Do not change. |
| tables:roadLimits:orderBy | Order of road limits records. Do not change. |
| Excel:exportFileName | Name of Excel export file. Will save file to the My Documents folder. |

# Logs

Application will write errors to a log file. This is found in the logs folder in the application’s path.