```
function handles = selectBatchDirectory( handles )

% User selects the directory with files to batch import
handles.batchDirectory = uigetdir ;

% If canceled out of directory selection window
try
batchFileDir = dir ( handles.batchDirectory ) ;
catch
    handles.batchFileCancel = true ;
    return
end

% Folder names
folderStationary = '\Stationary\' ;
folder10kmh = '\10kmh\' ;
folder20kmh = '\20kmh\' ;
folder30kmh = '\30kmh\' ;
folderReverse = '\Reverse\' ;

% Pull files from folders
try

    allFilesInStationaryBatch = dir ( strcat( handles.batchDirectory, folderStationary ) ) ;
    filesInStationaryBatch = allFilesInStationaryBatch( ~ismember( { allFilesInStationaryBatch.name }, { '.','..' } ) );
    handles.pathStationary = strcat( handles.batchDirectory, folderStationary ) ;

    allFilesIn10kmhBatch = dir ( strcat( handles.batchDirectory, folder10kmh ) ) ;
    filesIn10kmhBatch = allFilesIn10kmhBatch( ~ismember( { allFilesIn10kmhBatch.name }, { '.','..' } ) );
    handles.path10kmh = strcat( handles.batchDirectory, folder10kmh ) ;

    allFilesIn20kmhBatch = dir ( strcat( handles.batchDirectory, folder20kmh ) ) ;
    filesIn20kmhBatch = allFilesIn20kmhBatch( ~ismember( { allFilesIn20kmhBatch.name }, { '.','..' } ) );
    handles.path20kmh = strcat( handles.batchDirectory, folder20kmh ) ;

    allFilesIn30kmhBatch = dir ( strcat( handles.batchDirectory, folder30kmh ) ) ;
    filesIn30kmhBatch = allFilesIn30kmhBatch( ~ismember( { allFilesIn30kmhBatch.name }, { '.','..' } ) );
    handles.path30kmh = strcat( handles.batchDirectory, folder30kmh ) ;

    allFilesInReverseBatch = dir ( strcat( handles.batchDirectory, folderReverse ) ) ;
    filesInReverseBatch = allFilesInReverseBatch( ~ismember( { allFilesInReverseBatch.name }, { '.','..' } ) );
    handles.pathReverse = strcat( handles.batchDirectory, folderReverse ) ;

    handles.batchFileNames = [filesInStationaryBatch; filesIn10kmhBatch; filesIn20kmhBatch; filesIn30kmhBatch; filesInReverseBatch ] ;

catch
    handles.folderStructureError = 1 ;
    return
```

```
49    end
50
51
52    end
```