

# **Version 9.0.0 - What's New?**

WFRC / MAG

# Input Processing

## Setup

### ‘0\_FolderSetup.s’

- Updated & renamed previous script (previous script was not being used) & added to ‘HailMary.s’
- Added ‘UpdatedMasterNet’ & ‘UpdatedMasterNet\GIS’ folders to ‘0\_InputProcessing’ folder
- Note: these changes were also made to ‘\_CreateOutputFolders.s’ & ‘\_BlankFolderSetup’ in the ‘Scenarios\\_default’ folder

### ‘1\_InputSetup.s’

- Removed references in checks to ‘CITY’, ‘COUNTY’ fields in TAZ shapefile to account for removal of fields from TAZ shapefile

## SE Processing

### ‘1\_DemographicsAnalysis.s’

- Updated script to read ‘ControlTotal\_SE\_AllCounties.csv’
  - Updated ‘FILEI LOOKUPI[1]’ reference
  - Updated ‘SE\_ContTot’ lookup function indices
- Updated control total lookup index calculation and added the following note:

#### Note

```
;look up county control totals
; note: Weber Co control total uses the following CO_FIPS convention:
; 57 = all county (CO_FIPS)
; 9057 = WFRC portion (90 prefix + CO_FIPS - 9=sub-county total,
0=UDOT SubareaID)
```

```
; 9157 = WFRC portion (91 prefix + CO_FIPS - 9=sub-county total,
1=UDOT SubareaID)
BE_Index = 3 * 10000 + @DemographicYear@
WE_Index = 9157 * 10000 + @DemographicYear@
DA_Index = 11 * 10000 + @DemographicYear@
SL_Index = 35 * 10000 + @DemographicYear@
UT_Index = 49 * 10000 + @DemographicYear@
```

## Network Processing

### ‘0\_Update\_TAZID\_Distance.s’

- Updated script to export out true shape Link/Node shapefiles
- Cleaned up script
  - Note: section to update DIRECTION and LINK\_ID is commented out for now

### ‘1\_NetProcessor.s’

- Removed references in checks to ‘CITY’, ‘COUNTY’ fields in TAZ shapefile to account for removal of fields from TAZ shapefile
- Updated script to export out true shape Link/Node shapefiles
- Fixed bug in CAV calculation:
- From:

#### Note

```
;shift column indices by 1 to line up with lookup tables
_CAV_Idx_Lower = _CAV_Idx_Lower + 1
_CAV_Idx_Upper = _CAV_Idx_Upper + 1
;lookup the capacity factor for columns above & below input value
if (LANES=2)
  _CapFac_CAV_Lo = CAV_CapFac_2Ln(_CAV_Idx_Lower, Cap1hr11n)

  _CapFac_CAV_Hi = CAV_CapFac_2Ln(_CAV_Idx_Upper, Cap1hr11n)
elseif (LANES>=3)

  _CapFac_CAV_Lo = CAV_CapFac_3Ln(_CAV_Idx_Lower, Cap1hr11n)

  _CapFac_CAV_Hi = CAV_CapFac_3Ln(_CAV_Idx_Upper, Cap1hr11n)
endif ;LANES=2, LANES>=3
```

- To:

**i** Note

```
;lookup the capacity factor for columns above & below input value
; note: shift column indices by 1 to line up with lookup tables
if (LANES=2)
- _CapFac_CAV_Lo = CAV_CapFac_2Ln(_CAV_Idx_Lower+1, Cap1hr11n)

  _CapFac_CAV_Hi = CAV_CapFac_2Ln(_CAV_Idx_Upper+1, Cap1hr11n)
elseif (LANES>=3)
  _CapFac_CAV_Lo = CAV_CapFac_3Ln(_CAV_Idx_Lower+1, Cap1hr11n)

  _CapFac_CAV_Hi = CAV_CapFac_3Ln(_CAV_Idx_Upper+1, Cap1hr11n)
endif ;LANES=2, LANES>=3
```

### **‘3\_\_TurnPenalty.s’**

- Updated hard-coded turn penalty node numbers to new v8.3.2/v9.0 master network node numbering

### **‘4\_\_Create\_\_walk\_\_xfer\_\_access\_\_links.s’**

- Changed ‘COUNTY’ field in ‘c\_PNR\_nodes.dbf’ output to ‘CO\_FIPS’ to account for removal of field from TAZ shapefile

## **Trip Table**

### **‘2\_\_External\_\_TripTables.’**

- Replaced use of the ‘EXTERNAL’ field from TAZ shapefile with a reference to @external\_zones@ field in ‘General\_Parameters.block’ to account for removal of field from TAZ shapefile