General Parameters

Zone Parameters

- Updated following TAZ & highway node references: o UsedZones = 3629 o BoxElderRange = '1-153' o WeberRange = '154-581' o DavisRange = '582-905' o SLRange = '906-2216' o UtahRange = '2217-3546' o Dummyzones = '3547-3600' o Externalzones = '3601-3629' o NorthBC = '3604,3605,3606' o HwyNodes = '10000-99999'

- Updated colleges/universities node references: o Colleges = '437,521, 693, 959,979,1007,1029,1051,1085,1231,12 2606,2809,2848,2882,2939,3336' o LDSBC = 1029 o WESTMIN = 1263 o UOFU_Main = 1051 o UOFU_Med = 1007 o WSU_OGDEN = 437 o WSU_DAVIS = 693 o WSU_WEST = 521 o SLCC_TL = 1580 o SLCC_SC = 1231 o SLCC_JD = 1776 o SLCC_Mead = 1491 o SLCC_ML = 1886 o SLCC_LB = 1085 o SLCC_HL = 1525 o SLCC_Airp = 979 o SLCC_West = 959 o SLCC_HM = 2031 o BYU = 2939 o UVU_MAIN = 2848 o UVU_GENEVA = 2882 o UVU_THANKP = 2606 o UVU_VINE = 2809 o UVU_PAYSON = 3336

o Lagoon = 781 o Airport = 965 o TempleSquare = 1035 o SLC_Library = 1147

- Removed following variables: o RegionRange o WFRCRange o MAGRange

County Identification • Removed this entire section containing the following variables: o CountyRange o CountyName1 o CountyName2 o CountyName3 o CountyName4 o CountyName5 o CO_Name1 o CO_Name2 o CO_Name3 o CO_Name4 o CO_Name5

AQ conformity reports are broken down by each county and 3 cities • Removed this entire section containing the following variables: o RE_ID o WE_ID o DA_ID o SL_ID o UT_ID o BE_ID o OC_ID o SC_ID o PC_ID

Special Trip Table Script Parameters • Updated income break points to 2019 ACS data o Income_Lo = 45000 o Income_Md = 75000 o Income_Hi = 125000

Household Disaggregation Information • Updated regional median income: o Reg_Median_Inc = 74946 o from 2019 5-year ACS, in 2019 dollars o represents average for just WF region

Distribution, Mode Choice & Assignment Parameters Auto Occupancy • Renamed the following variables (scripts were also udpated) and updated values: Previous Name New Name New Value VEH_OCCUPANCY_HBW VehOcc_HBW 1.10 VEH_OCCUPANCY_HBSHP VehOcc_HBShp 1.63 VEH_OCCUPANCY_HBOTH VehOcc_HBOth 1.68 VEH_OCCUPANCY_HBSCH

VehOcc_HBSch 1.76 VEH_OCCUPANCY_HBC VehOcc_HBC 1.12 VEH_OCCUPANCY_NHBW VehOcc_NHBW 1.21 VEH_OCCUPANCY_NHBNW VehOcc_NHBNW 1.76 NA VehOcc_Rec 1.68 VEH_OCCUPANCY_HBO VehOcc_HBO 1.67 VEH_OCCUPANCY_NHB VehOcc_NHB 1.54 NA VehOcc_ExtWrk 1.16 NA VehOcc_ExtHBO 1.82 NA VehOcc_ExtNHB 1.73 NA VehOcc_ExtRec 1.73 VEH_OCC_3P_HBW VehOcc_3p_HBW 3.53 NA VehOcc_3p_HBShp 3.49 NA VehOcc_3p_HBOth 3.73 NA VehOcc_3p_HBSch 3.88 VEH_OCC_3P_HBC VehOcc_3p_HBC 3.24 NA VehOcc_3p_NHBW 3.71 NA VehOcc_3p_NHBNW 3.71 NA VehOcc_3p_Rec 3.73 VEH_OCC_3P_HBO VehOcc_3p_HBO 3.68 VEH_OCC_3P_NHB VehOcc_3p_NHB 3.71

- Auto occupancy parameters were updated based on 2012 Household Travel Survey (reprocessed) • Values represent average persons per vehicle for just the Wasatch Front model space • External trips (Ext) are average for IX + XI, all other parameters are averages for II trips

Value of Time • Updated value of time (VOT): o VOT_Auto_Wrk = 22 o VOT_Auto_Per = 17 o VOT_Auto_Ext = 20 o VOT_LT = 37 o VOT_MD = 50 o VOT_HV = 63 o VOT_Toll = 63 o VOT_HOT_DA = 63 • Added following variables: o VOT_Auto_Wrk_Lo = 9 o VOT_Auto_Wrk_Hi = 24 o VOT_Auto_Per_Lo = 7 o VOT_Auto_Per_Hi = 19

Auto Operating Costs • Updated auto operating cost (AOC) based on 2019 fuel cost & economy and vehicle maintenance • AOC_Auto = 21.7 • AOC_LT = 27.3 • AOC_MD = 55.5 • AOC_HV = 74.3

Toll and HOT Costs • Updated toll (FT=40) cost (cent/mile) parameter to reflect a toll of approximately $5.00 for a 10.25 mi trip (average work distance) or $3.00 for a 6.5 mi trip (average trip distance of all trips) in 2019 dollars o Cost_Toll_Pk = 48 o Cost_Toll_Ok = 48 • Updated HOT (FT=38) cost (cent/mile) parameter to reflect a toll of approximately $3.50 for a 10.25 mi trip (average work distance) or $2.20 for a 6.5 mi trip (average trip distance of all trips) in 2019 dollars o Cost_HOT_Pk = 34 o Cost_HOT_Ok = 17

Prefix for Transit Skims • Replaced all transit skim prefix global variable tokens with values in scripts • Removed transit skim prefix variables from 0GeneralParameters.block file