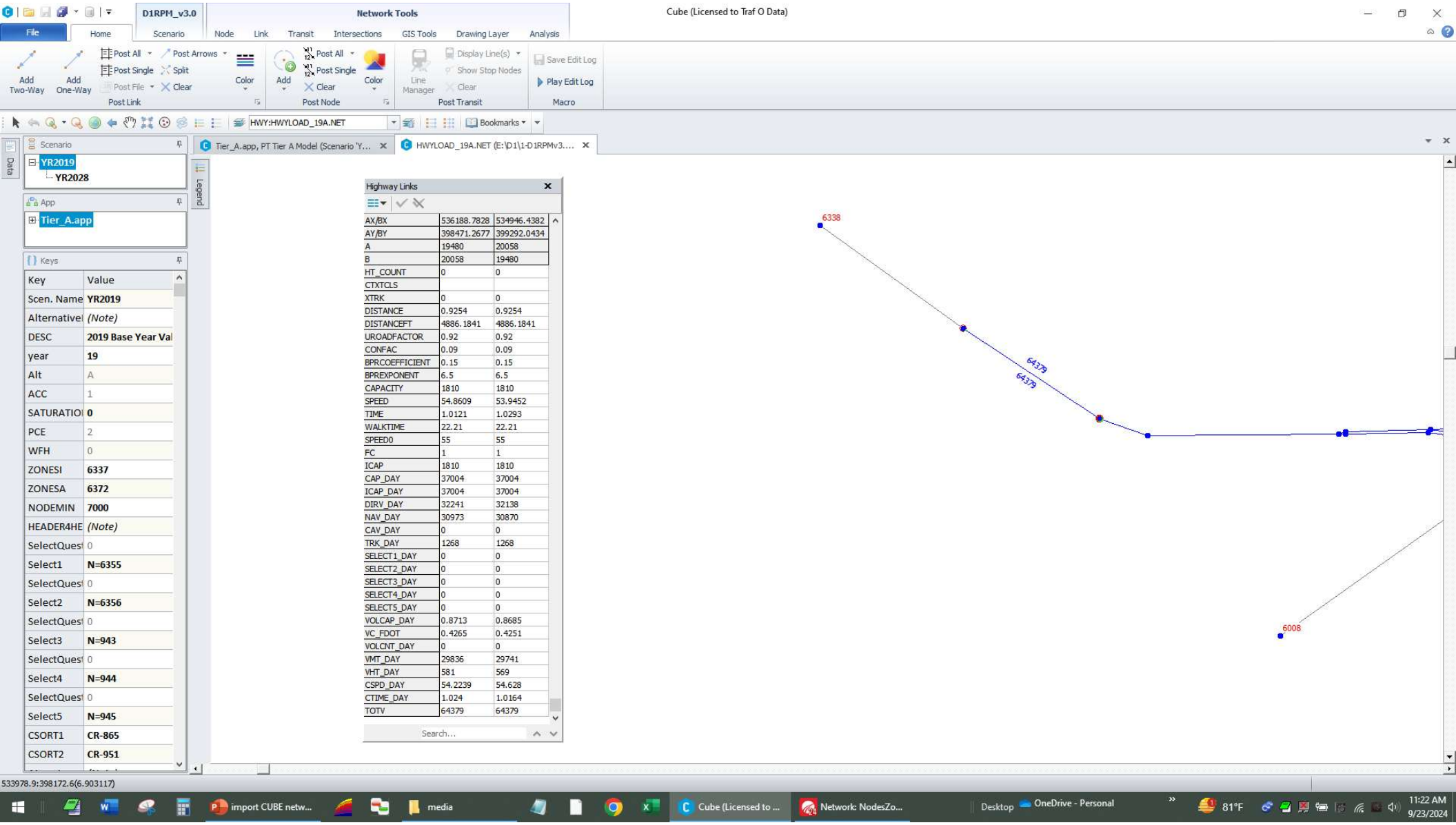
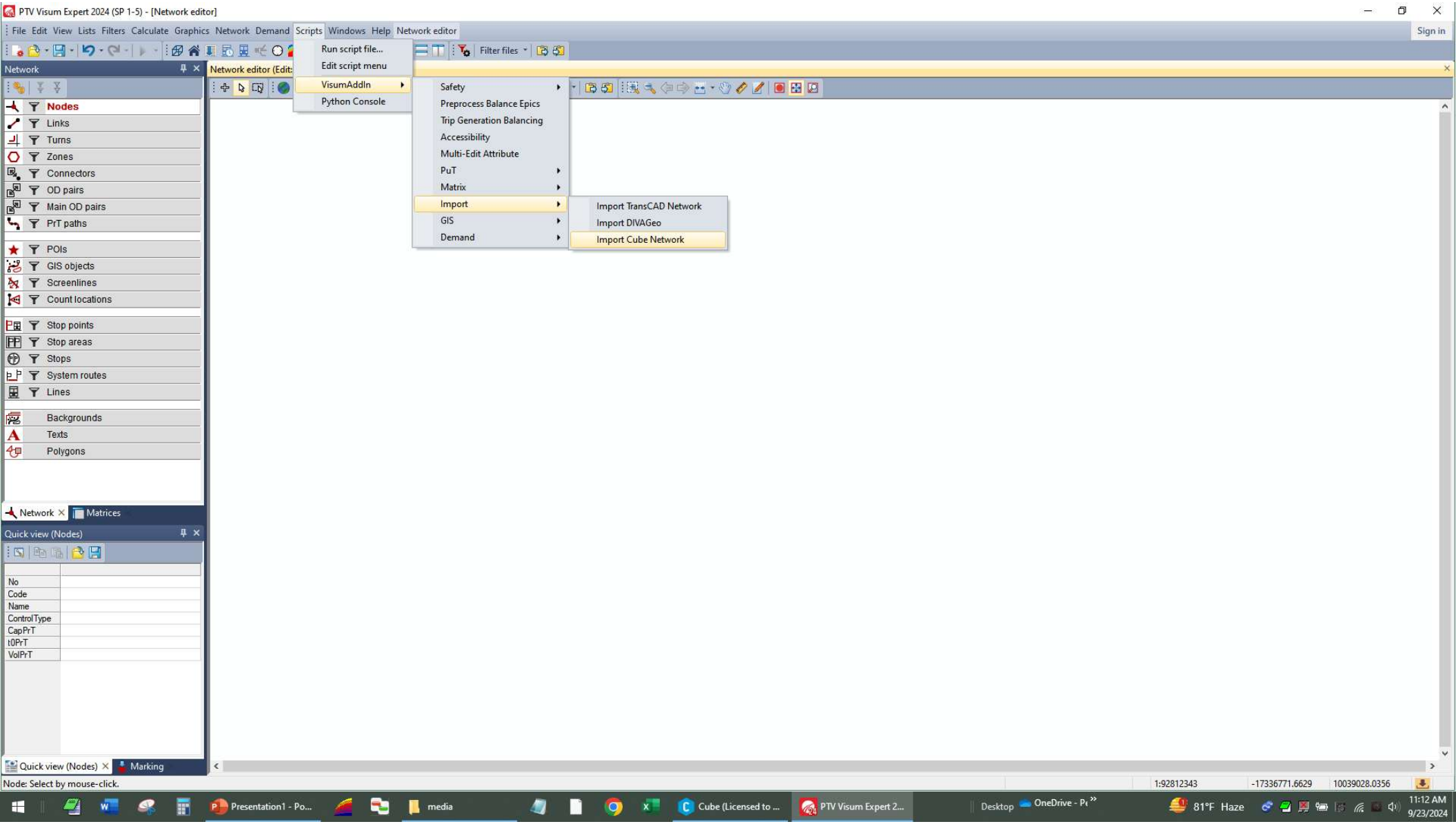
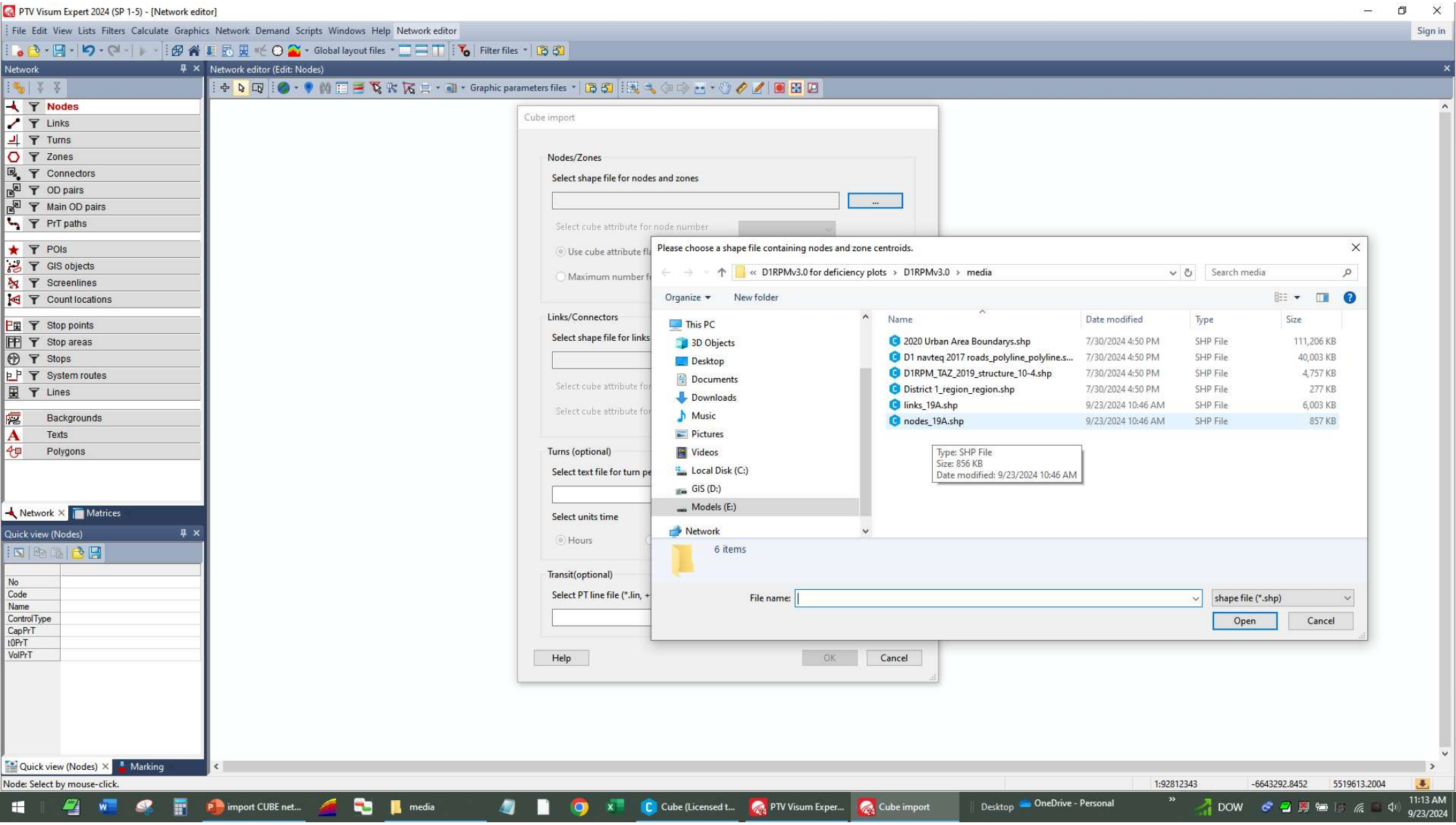
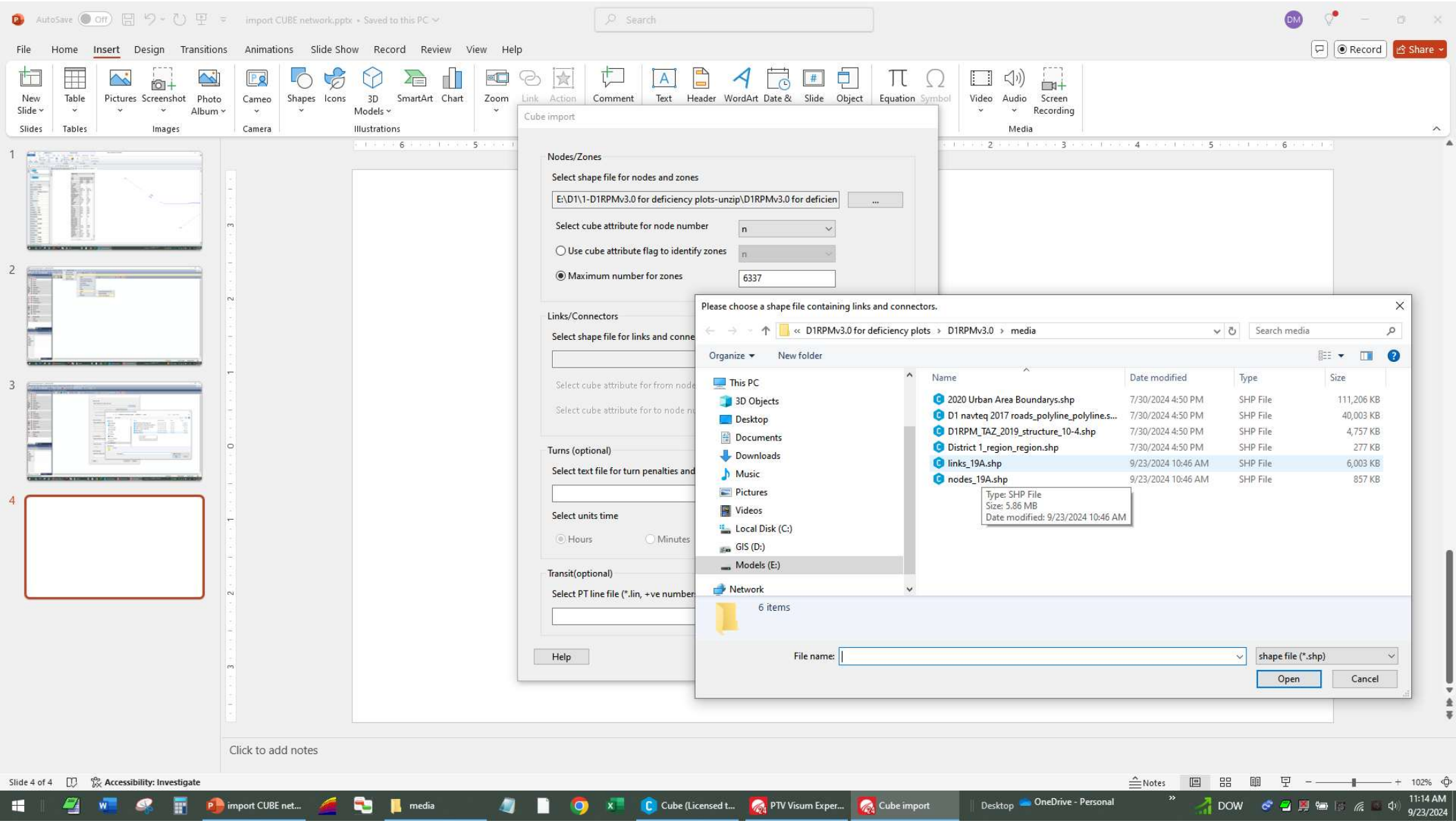
D1RPM v 3.0
PTV / VISUM

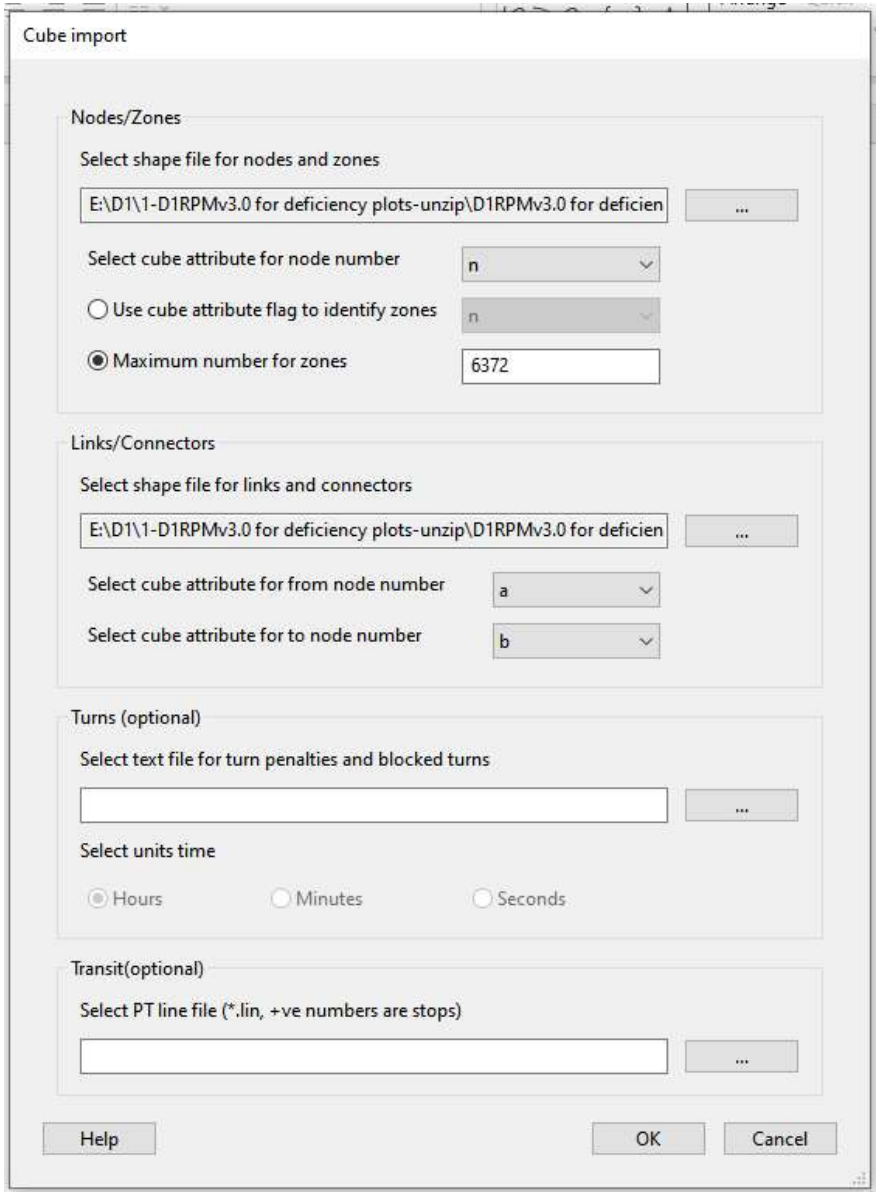
Tutorial:
Import CUBE model network into Visum

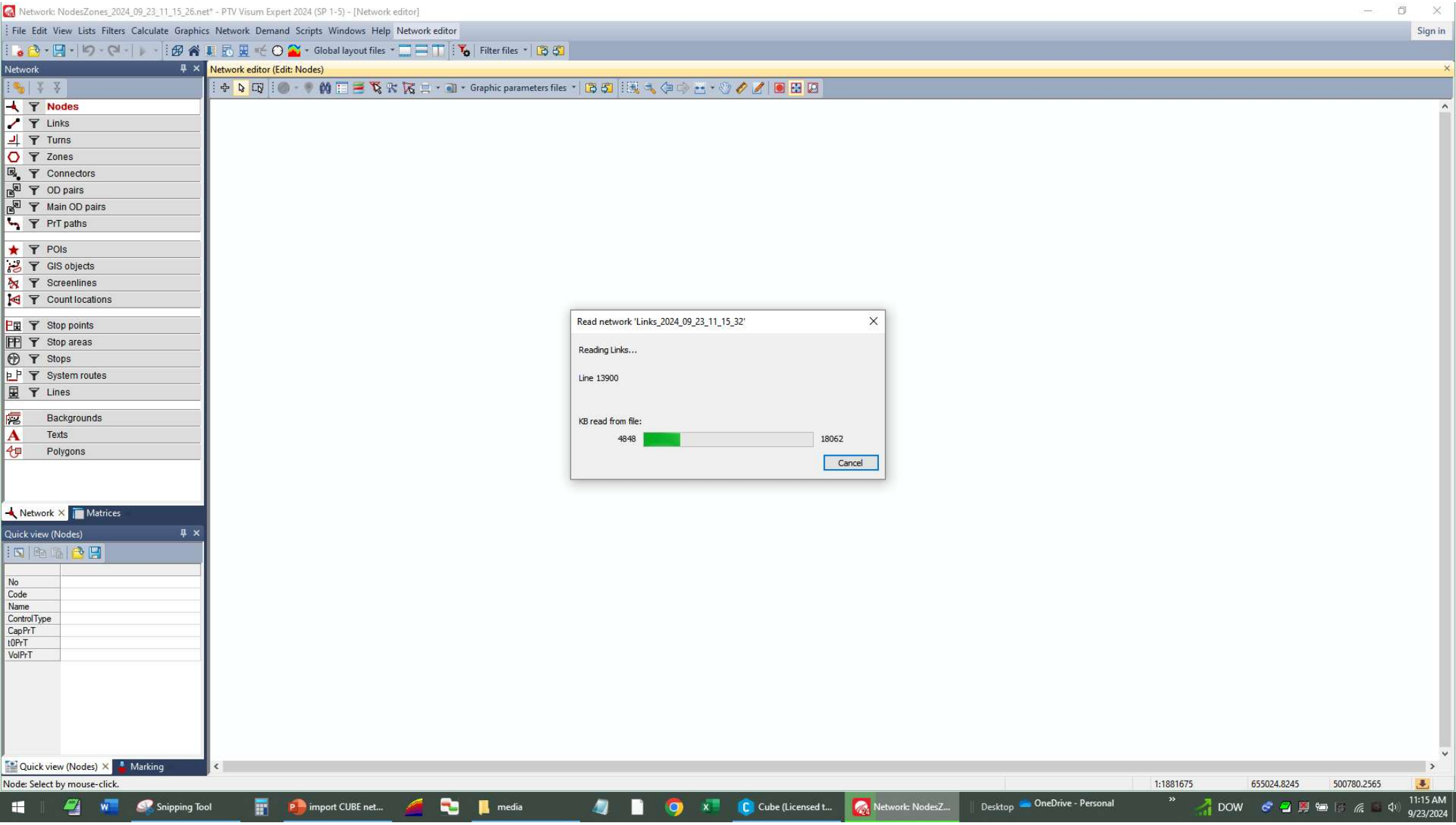

D1RPM_v3.0
Network Tools
Cube (Licensed to Traf O Data)
File
Home
Scenario
Node
Link
Transit
Intersections
GIS Tools
Drawing Layer
Analysis
Add Two-Way
Add One-Way
Post All
Post Single
Post File
Post Arrows
Split
Clear
Color
Post Link
Add
Post All
Post Single
Clear
Color
Post Node
Line Manager
Display Line(s)
Show Stop Nodes
Clear
Post Transit
Save Edit Log
Play Edit Log
Macro
HWY:HWYLOAD_19A.NET
Bookmarks
Scenario
YR2019
YR2028
App
Tier_A.app
Keys
Key
Value
Scen. Name
YR2019
Alternativel
(Note)
DESC
2019 Base Year Val
year
19
Alt
A
ACC
1
SATURATIO
0
PCE
2
WFH
0
ZONESI
6337
ZONESA
6372
NODEMIN
7000
HEADER4HE
(Note)
SelectQues
0
Select1
N=6355
SelectQues
0
Select2
N=6356
SelectQues
0
Select3
N=943
SelectQues
0
Select4
N=944
SelectQues
0
Select5
N=945
CSORT1
CR-865
CSORT2
CR-951
Tier_A.app, PT Tier A Model (Scenario 'Y...
HWYLOAD_19A.NET (E:\D1\1-D1RPMv3....
Legend
Highway Links
AX/BX 536188.7828 534946.4382
AY/BY 398471.2677 399292.0434
A 19480 20058
B 20058 19480
HT_COUNT 0 0
CTXTCLS
XTRK 0 0
DISTANCE 0.9254 0.9254
DISTANCEFT 4886.1841 4886.1841
UROADFACTOR 0.92 0.92
CONFAC 0.09 0.09
BPRCOEFFICIENT 0.15 0.15
BPREXPONENT 6.5 6.5
CAPACITY 1810 1810
SPEED 54.8609 53.9452
TIME 1.0121 1.0293
WALKTIME 22.21 22.21
SPEED0 55 55
FC 1 1
ICAP 1810 1810
CAP_DAY 37004 37004
ICAP_DAY 37004 37004
DIRV_DAY 32241 32138
NAV_DAY 30973 30870
CAV_DAY 0 0
TRK_DAY 1268 1268
SELECT1_DAY 0 0
SELECT2_DAY 0 0
SELECT3_DAY 0 0
SELECT4_DAY 0 0
SELECT5_DAY 0 0
VOLCAP_DAY 0.8713 0.8685
VC_FDOT 0.4265 0.4251
VOLCNT_DAY 0 0
VMT_DAY 29836 29741
VHT_DAY 581 569
CSPD_DAY 54.2239 54.628
CTIME_DAY 1.024 1.0164
TOTV 64379 64379
Search...
6338
64379
64379
6008
533978.9:398172.6(6.903117)
import CUBE netw...
media
Cube (Licensed to ...
Network: NodesZo...
Desktop
OneDrive - Personal
81°F
11:22 AM
9/23/2024

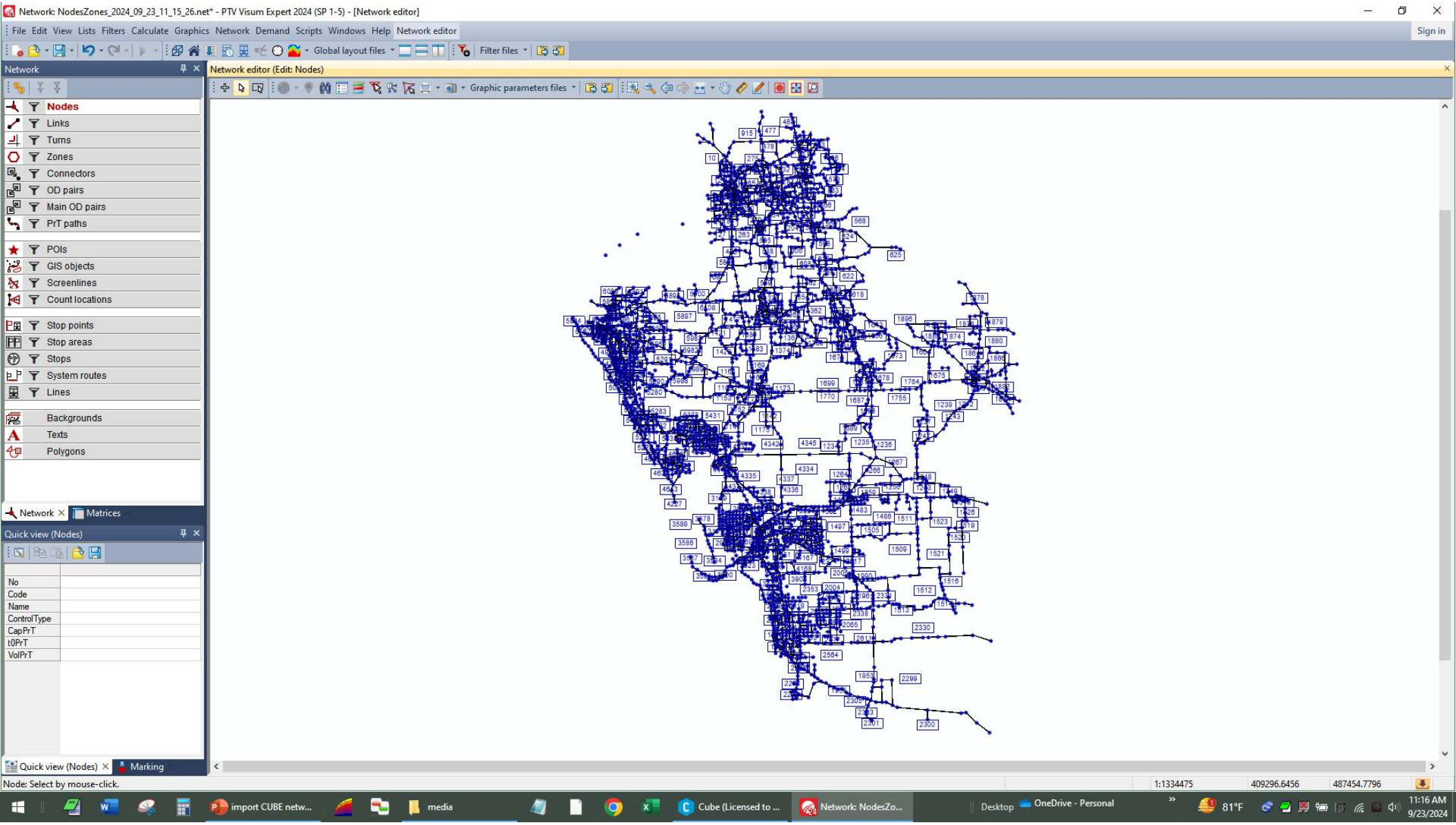

PTV Visum Expert 2024 (SP 1-5) - [Network editor]
File Edit View Lists Filters Calculate Graphics Network Demand Scripts Windows Help Network editor
Sign in
Run script file...
Edit script menu
VisumAddIn
Python Console
Filter files
Network
Network editor (Edit:
Safety
Preprocess Balance Epics
Trip Generation Balancing
Accessibility
Multi-Edit Attribute
PuT
Matrix
Import
GIS
Demand
Import TransCAD Network
Import DIVAGeo
Import Cube Network
Nodes
Links
Turns
Zones
Connectors
OD pairs
Main OD pairs
PrT paths
POIs
GIS objects
Screenlines
Count locations
Stop points
Stop areas
Stops
System routes
Lines
Backgrounds
Texts
Polygons
Network
Matrices
Quick view (Nodes)
No
Code
Name
ControlType
CapPrT
t0PrT
VolPrT
Quick view (Nodes)
Marking
Node: Select by mouse-click.
1:92812343
-17336771.6629
10039028.0356
Presentation1 - Po...
media
Cube (Licensed to ...
PTV Visum Expert 2...
Desktop
OneDrive - P
81°F Haze
11:12 AM
9/23/2024

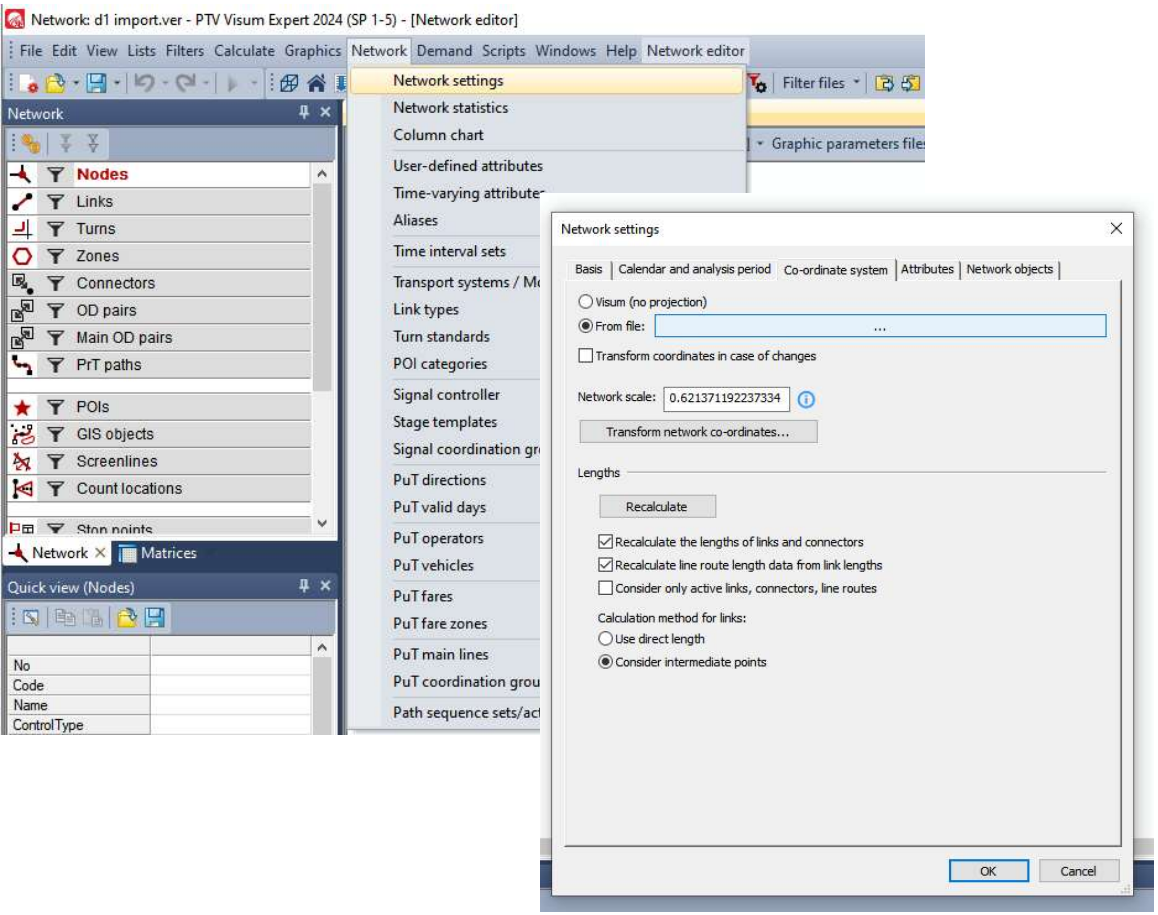

PTV Visum Expert 2024 (SP 1-5) - [Network editor]
File Edit View Lists Filters Calculate Graphics Network Demand Scripts Windows Help Network editor
Sign in
Global layout files
Filter files
Network
Nodes
Links
Turns
Zones
Connectors
OD pairs
Main OD pairs
PrT paths
POIs
GIS objects
Screenlines
Count locations
Stop points
Stop areas
Stops
System routes
Lines
Backgrounds
Texts
Polygons
Network
Matrices
Quick view (Nodes)
No
Code
Name
ControlType
CapPrT
t0PrT
VolPrT
Quick view (Nodes)
Marking
Network editor (Edit: Nodes)
Graphic parameters files
Cube import
Nodes/Zones
Select shape file for nodes and zones
Select cube attribute for node number
Use cube attribute
Maximum number
Links/Connectors
Select shape file for links
Turns (optional)
Select text file for turn
Select units time
Hours
Transit(optional)
Select PT line file (*.lin,
Help
OK
Cancel
Please choose a shape file containing nodes and zone centroids.
« D1RPMv3.0 for deficiency plots › D1RPMv3.0 › media
Search media
Organize
New folder
This PC
3D Objects
Desktop
Documents
Downloads
Music
Pictures
Videos
Local Disk (C:)
GIS (D:)
Models (E:)
Network
Name
Date modified
Type
Size
2020 Urban Area Boundarys.shp 7/30/2024 4:50 PM SHP File 111,206 KB
D1 navteq 2017 roads_polyline_polyline.s... 7/30/2024 4:50 PM SHP File 40,003 KB
D1RPM_TAZ_2019_structure_10-4.shp 7/30/2024 4:50 PM SHP File 4,757 KB
District 1_region_region.shp 7/30/2024 4:50 PM SHP File 277 KB
links_19A.shp 9/23/2024 10:46 AM SHP File 6,003 KB
nodes_19A.shp 9/23/2024 10:46 AM SHP File 857 KB
Type: SHP File
Size: 856 KB
Date modified: 9/23/2024 10:46 AM
6 items
File name:
shape file (*.shp)
Open
Cancel
Node: Select by mouse-click.
1:92812343
-6643292.8452
5519613.2004
import CUBE net...
media
Cube (Licensed t...
PTV Visum Exper...
Cube import
Desktop
OneDrive - Personal
DOW
11:13 AM
9/23/2024

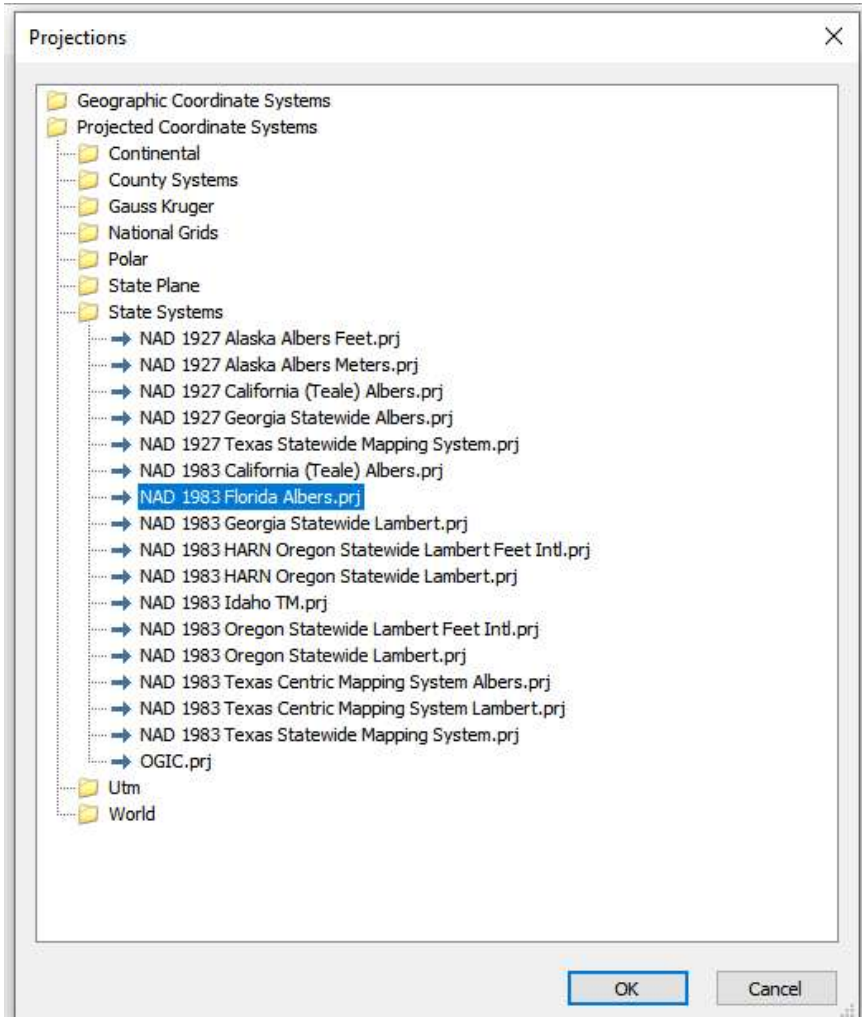

Cube import
Nodes/Zones
Select shape file for nodes and zones
E:\D1\1-D1RPMv3.0 for deficiency plots-unzip\D1RPMv3.0 for deficien
Select cube attribute for node number
n
Use cube attribute flag to identify zones
Maximum number for zones
6337
Links/Connectors
Turns (optional)
Select units time
Hours
Minutes
Transit(optional)
Help
Please choose a shape file containing links and connectors.
D1RPMv3.0 for deficiency plots
D1RPMv3.0
media
Search media
Organize
New folder
This PC
3D Objects
Desktop
Documents
Downloads
Music
Pictures
Videos
Local Disk (C:)
GIS (D:)
Models (E:)
Network
Name
Date modified
Type
Size
2020 Urban Area Boundarys.shp 7/30/2024 4:50 PM SHP File 111,206 KB
D1 navteq 2017 roads_polyline_polyline.s... 7/30/2024 4:50 PM SHP File 40,003 KB
D1RPM_TAZ_2019_structure_10-4.shp 7/30/2024 4:50 PM SHP File 4,757 KB
District 1_region_region.shp 7/30/2024 4:50 PM SHP File 277 KB
links_19A.shp 9/23/2024 10:46 AM SHP File 6,003 KB
nodes_19A.shp 9/23/2024 10:46 AM SHP File 857 KB
Type: SHP File
Size: 5.86 MB
Date modified: 9/23/2024 10:46 AM
6 items
File name:
shape file (*.shp)
Open
Cancel
Click to add notes
Slide 4 of 4
Accessibility: Investigate
Notes
102%
11:14 AM
9/23/2024

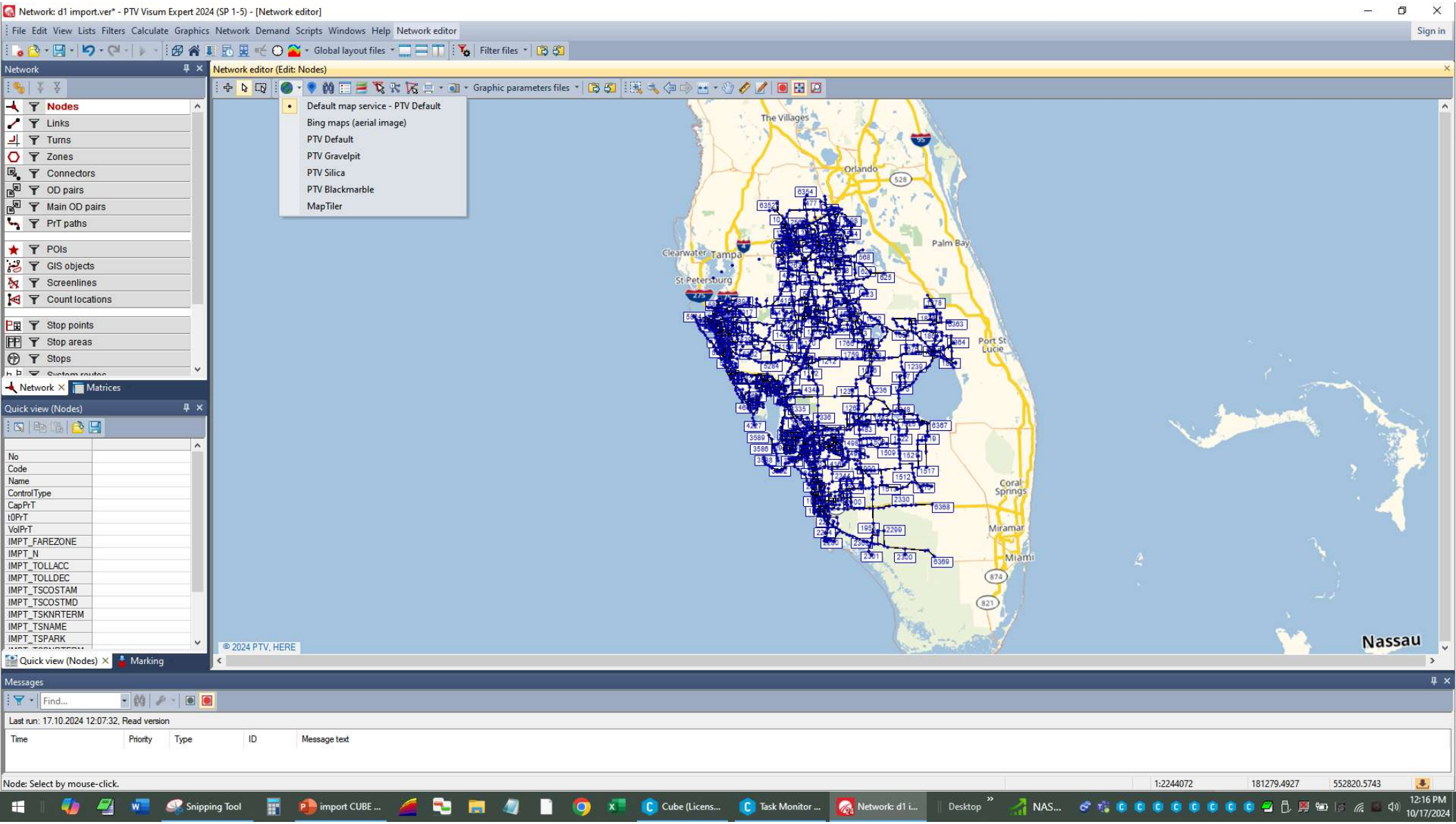

Cube import
Nodes/Zones
Select shape file for nodes and zones
E:\D1\1-D1RPMv3.0 for deficiency plots-unzip\D1RPMv3.0 for deficien
...
Select cube attribute for node number
n
Use cube attribute flag to identify zones
n
Maximum number for zones
6372
Links/Connectors
Select shape file for links and connectors
E:\D1\1-D1RPMv3.0 for deficiency plots-unzip\D1RPMv3.0 for deficien
...
Select cube attribute for from node number
a
Select cube attribute for to node number
b
Turns (optional)
Select text file for turn penalties and blocked turns
...
Select units time
Hours
Minutes
Seconds
Transit(optional)
Select PT line file (*.lin, +ve numbers are stops)
...
Help
OK
Cancel

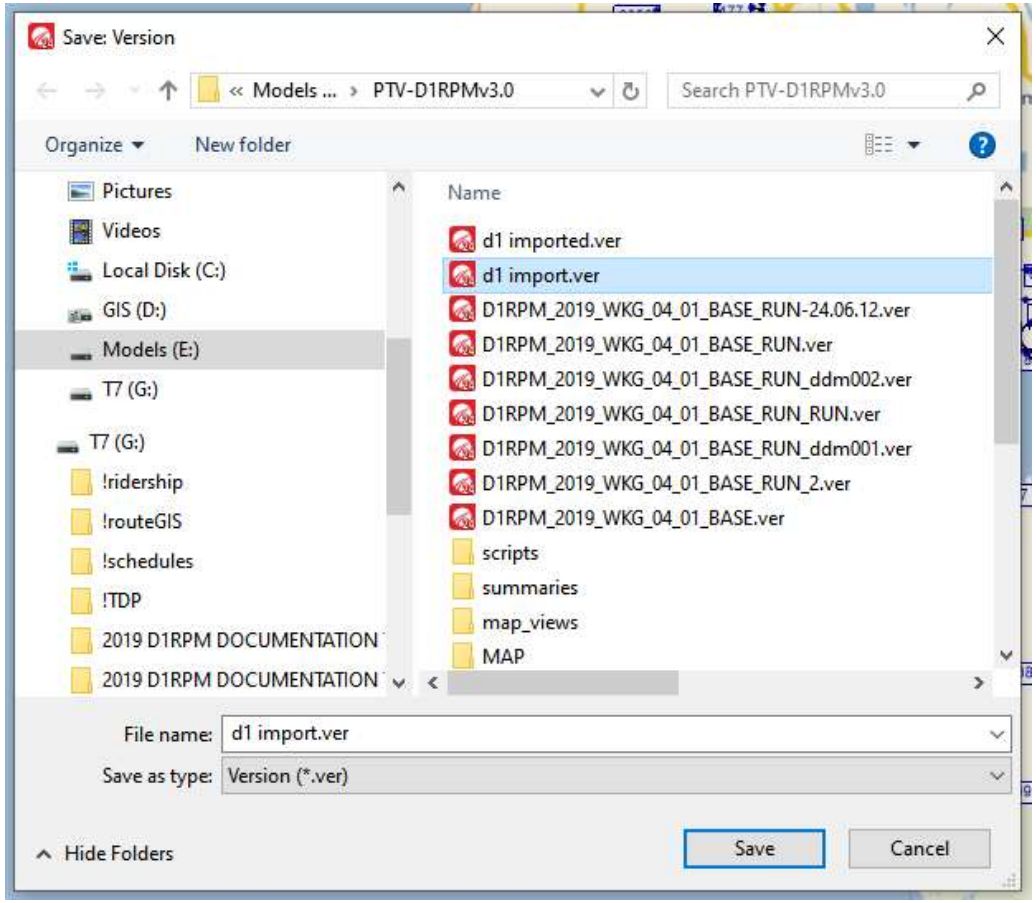

Network: NodesZones_2024_09_23_11_15_26.net* - PTV Visum Expert 2024 (SP 1-5) - [Network editor]
File Edit View Lists Filters Calculate Graphics Network Demand Scripts Windows Help Network editor
Sign in
Global layout files
Filter files
Network
Nodes
Links
Turns
Zones
Connectors
OD pairs
Main OD pairs
PrT paths
POIs
GIS objects
Screenlines
Count locations
Stop points
Stop areas
Stops
System routes
Lines
Backgrounds
Texts
Polygons
Network
Matrices
Quick view (Nodes)
No
Code
Name
ControlType
CapPrT
t0PrT
VolPrT
Quick view (Nodes)
Marking
Network editor (Edit: Nodes)
Graphic parameters files
Read network 'Links_2024_09_23_11_15_32'
Reading Links...
Line 13900
KB read from file:
4848
18062
Cancel
Node: Select by mouse-click.
1:1881675
655024.8245
500780.2565
Snipping Tool
import CUBE net...
media
Cube (Licensed t...
Network: NodesZ...
Desktop
OneDrive - Personal
DOW
11:15 AM
9/23/2024

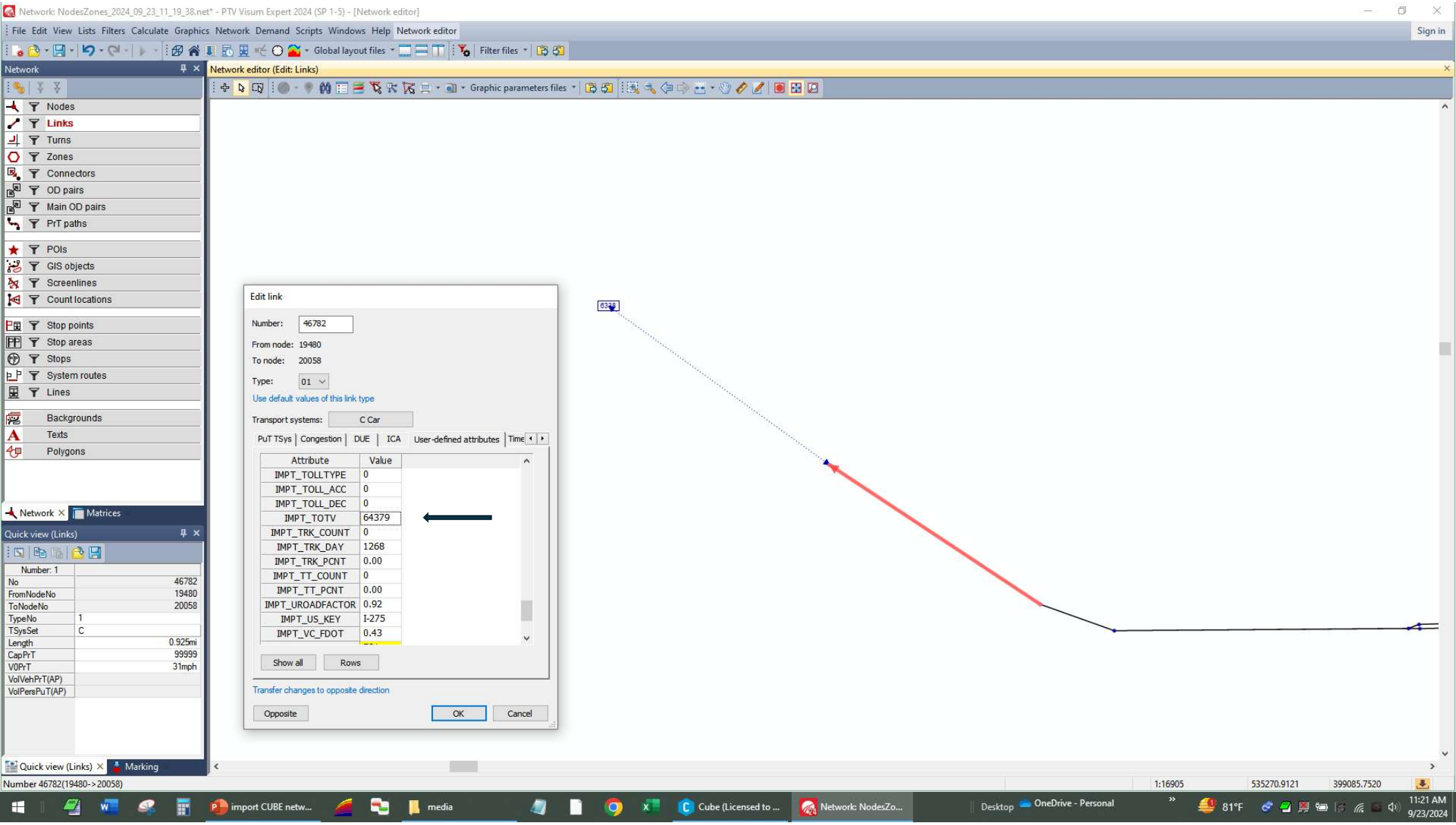

Network: NodesZones_2024_09_23_11_15_26.net* - PTV Visum Expert 2024 (SP 1-5) - [Network editor]
File Edit View Lists Filters Calculate Graphics Network Demand Scripts Windows Help Network editor
Sign in
Global layout files
Filter files
Network
Nodes
Links
Turns
Zones
Connectors
OD pairs
Main OD pairs
PrT paths
POIs
GIS objects
Screenlines
Count locations
Stop points
Stop areas
Stops
System routes
Lines
Backgrounds
Texts
Polygons
Network
Matrices
Quick view (Nodes)
No
Code
Name
ControlType
CapPrT
t0PrT
VolPrT
Quick view (Nodes)
Marking
Network editor (Edit: Nodes)
Graphic parameters files
Node: Select by mouse-click.
1:1334475
409296.6456
487454.7796
import CUBE netw...
media
Cube (Licensed to ...
Network: NodesZo...
Desktop
OneDrive - Personal
81°F
11:16 AM
9/23/2024


Network: d1 import.ver - PTV Visum Expert 2024 (SP 1-5) - [Network editor]
File Edit View Lists Filters Calculate Graphics Network Demand Scripts Windows Help Network editor
Network settings
Network statistics
Column chart
User-defined attributes
Time-varying attribute
Aliases
Time interval sets
Transport systems / M
Link types
Turn standards
POI categories
Signal controller
Stage templates
Signal coordination gr
PuT directions
PuT valid days
PuT operators
PuT vehicles
PuT fares
PuT fare zones
PuT main lines
PuT coordination grou
Path sequence sets/act
Filter files
Graphic parameters file
Network
Nodes
Links
Turns
Zones
Connectors
OD pairs
Main OD pairs
PrT paths
POIs
GIS objects
Screenlines
Count locations
Stop points
Network
Matrices
Quick view (Nodes)
No
Code
Name
ControlType
Network settings
Basis
Calendar and analysis period
Co-ordinate system
Attributes
Network objects
Visum (no projection)
From file:
...
Transform coordinates in case of changes
Network scale:
0.621371192237334
Transform network co-ordinates...
Lengths
Recalculate
Recalculate the lengths of links and connectors
Recalculate line route length data from link lengths
Consider only active links, connectors, line routes
Calculation method for links:
Use direct length
Consider intermediate points
OK
Cancel


Projections
Geographic Coordinate Systems
Projected Coordinate Systems
Continental
County Systems
Gauss Kruger
National Grids
Polar
State Plane
State Systems
NAD 1927 Alaska Albers Feet.prj
NAD 1927 Alaska Albers Meters.prj
NAD 1927 California (Teale) Albers.prj
NAD 1927 Georgia Statewide Albers.prj
NAD 1927 Texas Statewide Mapping System.prj
NAD 1983 California (Teale) Albers.prj
NAD 1983 Florida Albers.prj
NAD 1983 Georgia Statewide Lambert.prj
NAD 1983 HARN Oregon Statewide Lambert Feet Intl.prj
NAD 1983 HARN Oregon Statewide Lambert.prj
NAD 1983 Idaho TM.prj
NAD 1983 Oregon Statewide Lambert Feet Intl.prj
NAD 1983 Oregon Statewide Lambert.prj
NAD 1983 Texas Centric Mapping System Albers.prj
NAD 1983 Texas Centric Mapping System Lambert.prj
NAD 1983 Texas Statewide Mapping System.prj
OGIC.prj
Utm
World
OK
Cancel


Network: d1 import.ver* - PTV Visum Expert 2024 (SP 1-5) - [Network editor]
File Edit View Lists Filters Calculate Graphics Network Demand Scripts Windows Help Network editor
Sign in
Global layout files
Filter files
Network
Nodes
Links
Turns
Zones
Connectors
OD pairs
Main OD pairs
PrT paths
POIs
GIS objects
Screenlines
Count locations
Stop points
Stop areas
Stops
Network
Matrices
Quick view (Nodes)
No
Code
Name
ControlType
CapPrT
t0PrT
VolPrT
IMPT_FAREZONE
IMPT_N
IMPT_TOLLACC
IMPT_TOLLDEC
IMPT_TSCOSTAM
IMPT_TSCOSTMD
IMPT_TSKNRTERM
IMPT_TSNAME
IMPT_TSPARK
Quick view (Nodes)
Marking
Network editor (Edit: Nodes)
Graphic parameters files
Default map service - PTV Default
Bing maps (aerial image)
PTV Default
PTV Gravelpit
PTV Silica
PTV Blackmarble
MapTiler
The Villages
Orlando
Palm Bay
Clearwater
Tampa
St Petersburg
Port St Lucie
Coral Springs
Miramar
Miami
Nassau
© 2024 PTV, HERE
Messages
Find...
Last run: 17.10.2024 12:07:32, Read version
Time
Priority
Type
ID
Message text
Node: Select by mouse-click.
1:2244072
181279.4927
552820.5743
Snipping Tool
import CUBE ...
Cube (Licens...
Task Monitor ...
Network: d1 i...
Desktop
NAS...
12:16 PM
10/17/2024


Save: Version
« Models ... › PTV-D1RPMv3.0
Search PTV-D1RPMv3.0
Organize
New folder
Pictures
Videos
Local Disk (C:)
GIS (D:)
Models (E:)
T7 (G:)
T7 (G:)
!ridership
!routeGIS
!schedules
!TDP
2019 D1RPM DOCUMENTATION
2019 D1RPM DOCUMENTATION
Name
d1 imported.ver
d1 import.ver
D1RPM_2019_WKG_04_01_BASE_RUN-24.06.12.ver
D1RPM_2019_WKG_04_01_BASE_RUN.ver
D1RPM_2019_WKG_04_01_BASE_RUN_ddm002.ver
D1RPM_2019_WKG_04_01_BASE_RUN_RUN.ver
D1RPM_2019_WKG_04_01_BASE_RUN_ddm001.ver
D1RPM_2019_WKG_04_01_BASE_RUN_2.ver
D1RPM_2019_WKG_04_01_BASE.ver
scripts
summaries
map_views
MAP
File name: d1 import.ver
Save as type: Version (*.ver)
Hide Folders
Save
Cancel


Network: NodesZones_2024_09_23_11_19_38.net* - PTV Visum Expert 2024 (SP 1-5) - [Network editor]
File Edit View Lists Filters Calculate Graphics Network Demand Scripts Windows Help Network editor
Sign in
Global layout files
Filter files
Network
Nodes
Links
Turns
Zones
Connectors
OD pairs
Main OD pairs
PrT paths
POIs
GIS objects
Screenlines
Count locations
Stop points
Stop areas
Stops
System routes
Lines
Backgrounds
Texts
Polygons
Network
Matrices
Quick view (Links)
Number: 1
No 46782
FromNodeNo 19480
ToNodeNo 20058
TypeNo 1
TSysSet C
Length 0.925mi
CapPrT 99999
V0PrT 31mph
VolVehPrT(AP)
VolPersPuT(AP)
Quick view (Links)
Marking
Network editor (Edit: Links)
Graphic parameters files
Edit link
Number: 46782
From node: 19480
To node: 20058
Type: 01
Use default values of this link type
Transport systems: C Car
PuT TSys
Congestion
DUE
ICA
User-defined attributes
Time
Attribute
Value
IMPT_TOLLTYPE 0
IMPT_TOLL_ACC 0
IMPT_TOLL_DEC 0
IMPT_TOTV 64379
IMPT_TRK_COUNT 0
IMPT_TRK_DAY 1268
IMPT_TRK_PCNT 0.00
IMPT_TT_COUNT 0
IMPT_TT_PCNT 0.00
IMPT_UROADFACTOR 0.92
IMPT_US_KEY I-275
IMPT_VC_FDOT 0.43
Show all
Rows
Transfer changes to opposite direction
Opposite
OK
Cancel
Number 46782(19480->20058)
1:16905
535270.9121
399085.7520
import CUBE netw...
media
Cube (Licensed to ...
Network: NodesZo...
Desktop
OneDrive - Personal
81°F
11:21 AM
9/23/2024