Hermen, Matt

From: Chris Brehmer <CBREHMER@kittelson com>
Sent: Monday, June 29, 2015 11 12 AM
To: Hermen, Matt
Subject: FW Transportation Model Land Use Assumptions - Rural Industrial Land Bank

Hi Matt,

Julia and I reviewed the new RTC data this morning Based on our review, the key findings we see are

- The additional land uses increase travel demand (as would be expected) but don't appear to create new systemic capacity issues Fundamentally, we're not seeing large material differences in the travel demand
- The travel demand patterns are oriented more north-south as opposed to east-west
- There is continued forecast need for north-south facilities parallel to SR 503 Portions of NE 72nd are projected to operate over-capacity regardless of the RILB property
- The modeling reinforces the need for north-south connectivity through the RILB property, particularly east of SR 503
- The new 139th/west arterial through the RILB property west of SR 503 experiences better use (system benefit) but is well under-capacity

I think one can conclude that the RTC modeling demonstrates the opportunity for the RILB property to complete needed connectivity improvements (both north-south and east-west) The modeling also demonstrates the need for north-south capacity and thus that the RILB property should be developed in a manner that does not preclude north-south connectivity and capacity collector options

What are your thoughts?

Thank you,
Chris

Chris Brehmer, PE
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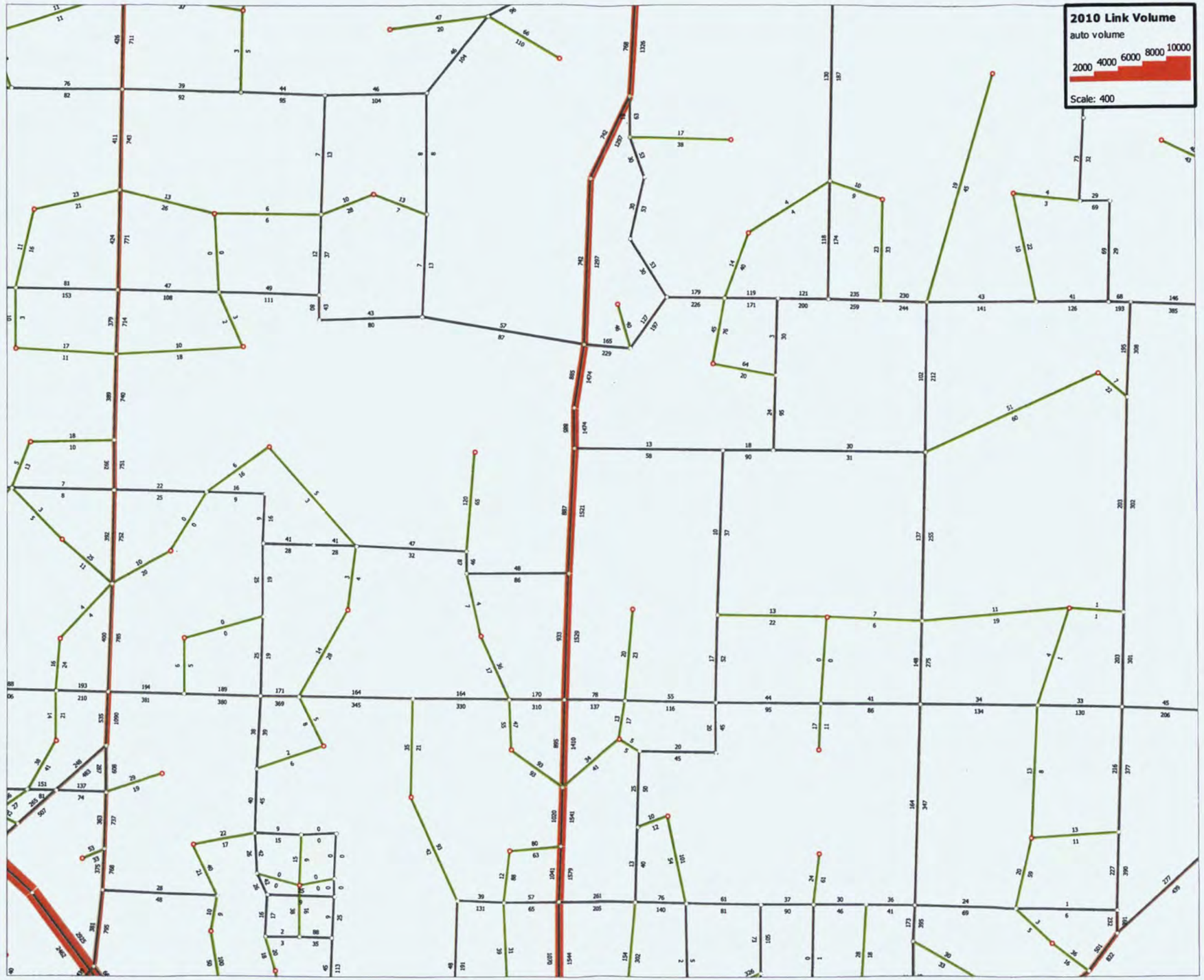
From: Harrington, Mark (RTC) [mailto·Mark.Harrington@rtc.wa.gov]
Sent: Friday, June 26, 2015 5·18 PM
To: Hermen, Matt; Chris Brehmer
Cc: Kim, Shinwon
Subject: RE: Transportation Model Land Use Assumptions - Rural Industrial Land Bank

Matt and Chris,

Shinwon ran a sub-area analysis of TAZs 512 and 513 using the assumption of 9 jobs/acre The both TAZs were split into four zones each to provide better centroid loadings to the internal industrial collector system

Plots for 2010, 2035 RTP and 2035 RILB pm peak hour volumes and v/c ratios are on our FTP site at the following link - ftp //ftp rtc wa gov/staff/mark/RILB/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Scale: 400

2010 V/C Ratios
V/C ratio (Vol/U13)
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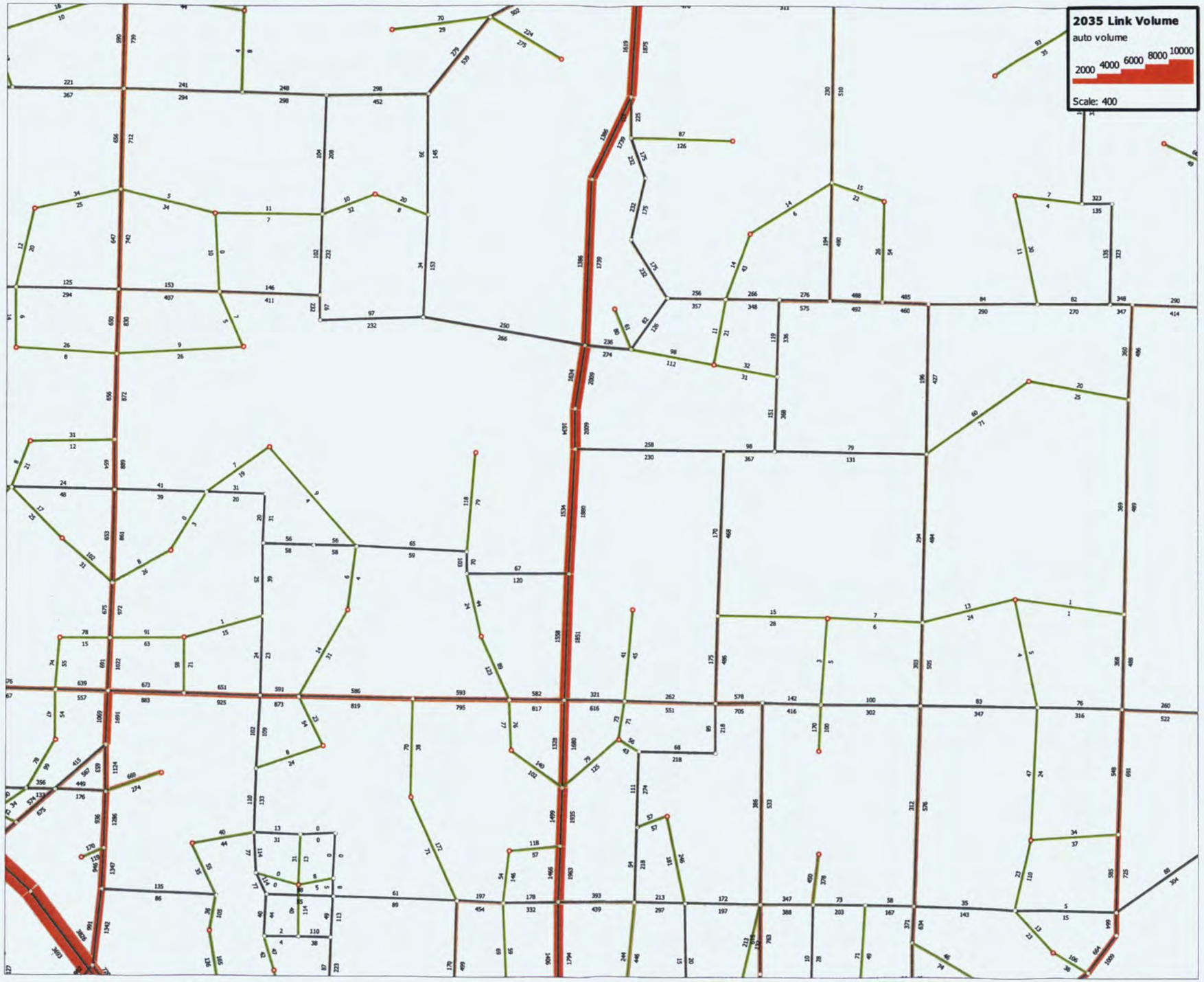
0.50 - 0.80
0.80 - 0.90
0.90 - 1.00
1.00 - 3.33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auto volume
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Scale: 400

2035 V/C Ratios
v/c ratio (vol/ul3)
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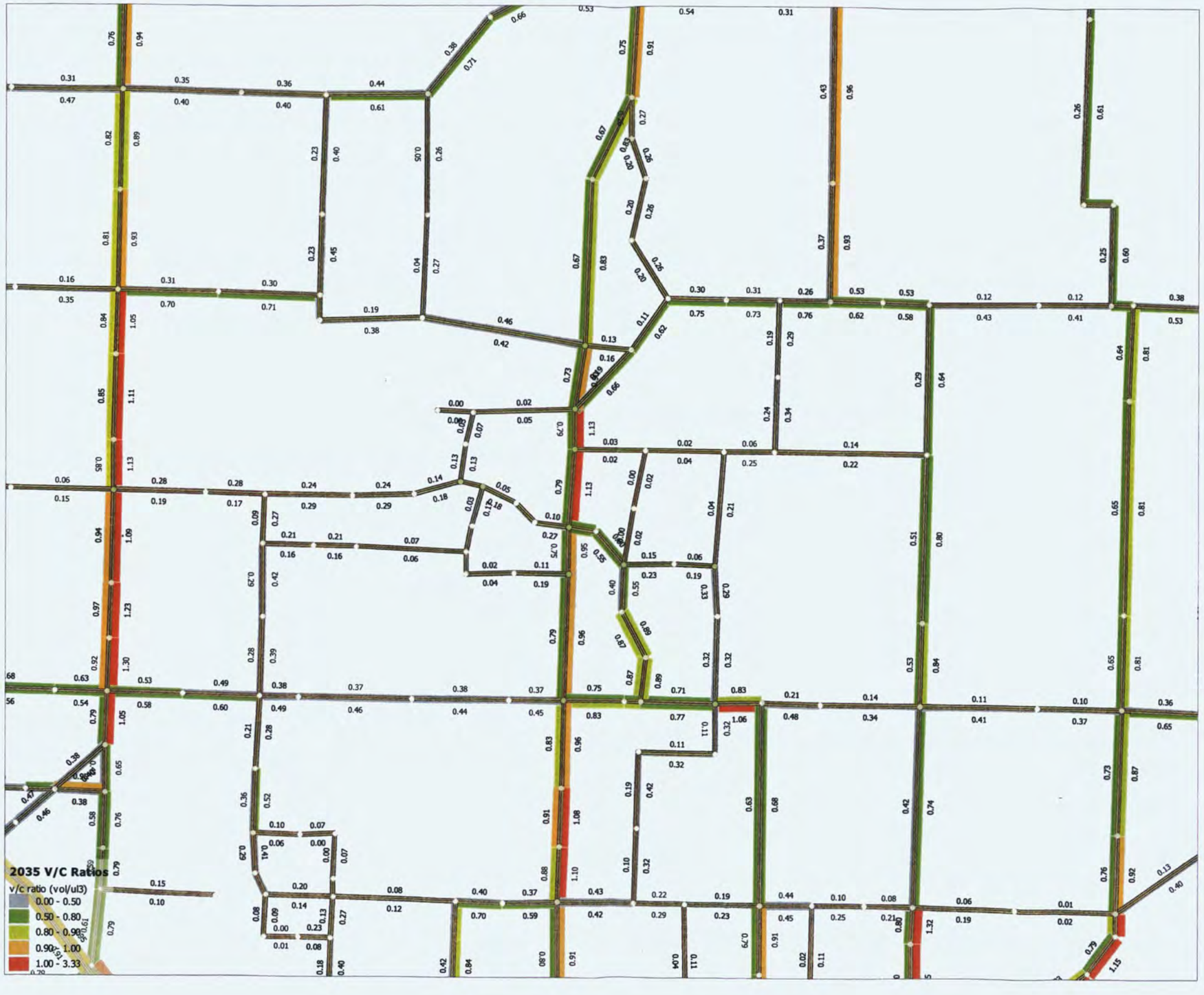
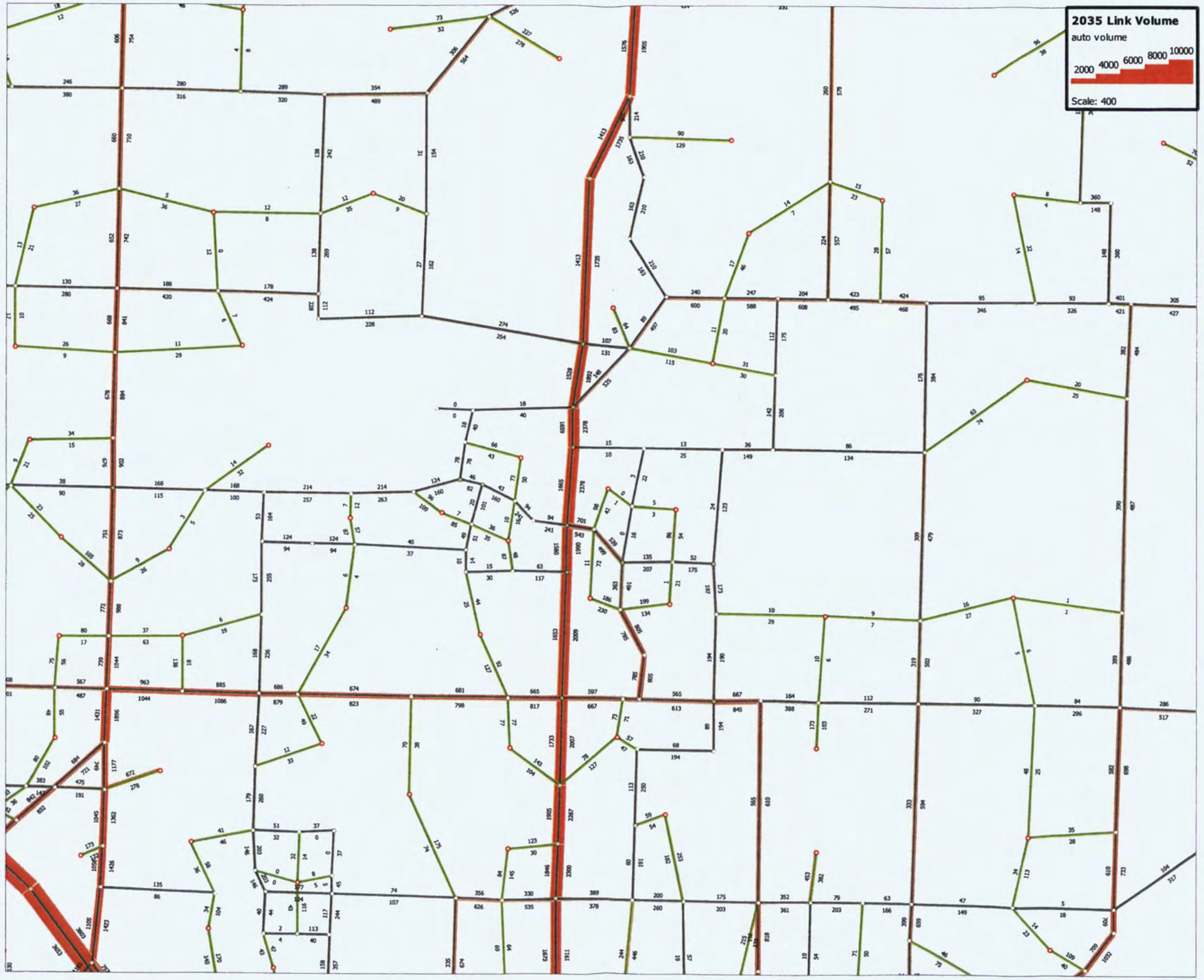
0.50 - 0.80
0.80 - 0.90
0.90 - 1.00
1.00 - 3.33


2035 V/C Ratios
v/c ratio (vol/ul3)
0.00 - 0.50
0.50 - 0.80
0.80 - 0.90
0.90 - 1.00
1.00 - 3.33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