

# Wisconsin ITS and ITSNet Inventory



## AGENDA

Friday, April 27, 2012  
10:00 AM – Noon

Wisconsin TOPS Lab, Engineering Hall Room B239 (<http://www.topslab.wisc.edu/map.html>)

Or by web and phone:  
<https://tops.adobeconnect.com/spatial>  
Select "Enter as a Guest"

Call-in: 630-424-2356  
Toll-free: 855-947-8255  
Passcode: 9605 755#

Introductory information at <http://www.topslab.wisc.edu/its/inventory/>

- I. Introductions (5 min)
- II. System Overview and Status (15 min)
  - a. SpatialInfo overview
    - i. Overall process (see diagram)
    - ii. SpatialNet
    - iii. SpatialOffline
    - iv. SpatialWeb (and performance)
  - b. Progress (2009 to present, including 80 jobs posted since Jan training)
  - c. Current priorities
- III. Outside Plant (OSP) Efforts (TOPS, 20 min)
  - a. As-builts and diagrams
  - b. Trench and fiber path
    - i. TOPS Lab connection example
  - c. Road geometry
  - d. ITS device inventory
  - e. ArcGIS mapping
- IV. Inside Plant (ISP) Efforts (CCI, 60 min)
  - a. Excel workbook from Don
  - b. Connection and splice questions (see handout)
  - c. Equipment detail needs (see handout)
- V. Other Topics (10 min)
  - a. Tools for accessing content
    - i. SpatialNet, features, plots
    - ii. SpatialWeb, searches, traces
- VI. Wrap-up (10 min)
  - a. Review action items
  - b. Review priorities
  - c. Adjourn

Questions and content updates may be directed to [inventory@topslab.wisc.edu](mailto:inventory@topslab.wisc.edu)

## **Huts, Splices, Connections - Issues and Questions**

The accompanying Excel workbook indicates trace results and system allocation notes

### **HUT 1**

Internal connection difficulties:

1. 0102/94,25 & 0102/94,26 jumper connections point to 0111/43,71 & 0111/43,72 which points to 0102/794,71 & 0102/794, 72 which points to nothing.
2. 0102/94,47 & 0102/94,48 jumper connections point to 0001/5th,71 & 0001/5th,72 which points to 0102/94,71 & 0102/94,72 which points to 0001/794,71 & 0001/794,72. (Where is this 0001/5th indicated?)
3. 0111/43,71 & 0111/43,72 jumper connections point to 0102/794,2 & 01202/794,3 which points to 0102/43,27 & 0102/43,35. (Where is this 0102/43,35 indicated?)
4. 0201/TA,17 through 0201/TA,20 has City 43 through City 46 in the "JUMPERED" column. Please advise how this should be handled.
5. 0001/5th,11 & 0001/5th,12 has City 37 & City 38 in the "JUMPERED" column. Please advise how this should be handled.

CCI has found a problem with the external plant as well. Only 6 sheaths are shown in Spatial and according to the information there should be 7. CCI has not identified 2 sheaths in Spatial, they both go to Splice Case FSPL-MH1505.

### **HUT 2**

The following Jumpered column problems were encountered:

1. 0204/894,25 & 0204/894,26 Jumpered column points to 0102/094,33 & 0102/094,35 which point to 0004/894,25 & 0004/894,26 but there is no such reel.
2. 0204/894,43 & 0204/894,44 Jumpered column points to 0102/094,71 & 0102/094,72 which points to nothing.
3. 0102/094,27 Jumpered column points to 0204/894,44 which points to 0102/094,72.
4. 0102/094,47 & 0102/094,48 Jumpered column points to 0204/894,43 & 0204/894,44 which points to 0102/094,71 & 0102/094,72 which point to nothing.

02XX/LAY not in Spatial.

### **HUT 3**

This Hut is on hold pending audit.

## HUT 4

0204/894,50 through 0204/894,72 System Allocations are out of sync. Source of problem seems to be the splicing at Splice Case FSPL-MH960.

## HUT 5

The following Hut 5 Jumpered columns point to Reel 0005/094, but no reel with that description is evident (Should it be reel 0105/94, 0005/TA, or something else?):

1. 0506/45,13
2. 0506/45,14
3. 0506/45,15
4. 0506/45,16

The following Hut 5 fiber Jumpered columns point to a location that is also shown as being connected to termination equipment, please clarify:

5. 0506/45,37
6. 0506/45,38

For Hut 5, 0506/45,3 & 0506/45,4 Jumpered column points to 0506/100,55 & 0506/100,56 but the System Allocations differ.

Reel 0510/TA is missing at Hut 5.

0105/094,5 & 0105/094,6 are shown connected to 0510/TA,9 & 0510/TA,10 and the System Allocation descriptions match. But 0510/TA,9 & 0510/TA,10 are shown as connected elsewhere.

The following fibers end at Splice Case FSPL-MH9373: 0507/094,6; 0507/094,7; 0507/094,9; 0507/094,10; 0507/094,11; 0507/094,13; 0507/094,16; 0507/094,17; 0507/094,18; 0507/094,19; 0507/094,22; 0507/094,23; and 0507/094,24.

0405/894,1 the Jumpered column points to 0105/094,2 which points to nothing.

0405/894,2 the Jumpered column points to 0507/094,2(50) which points to nothing

0405/894,7 the Jumpered column points to 0105/094,7 which is connected to a receiver. Both System Allocations say "CCTV-40-99". 0405/894,7 traces to Hut 04 and 0105/094,7 traces to CCTV-40-099.

0405/894,13 the Jumpered column points to 0506/045,5 which points to 0405/894,3 which points to nothing.

0405/894,14 the Jumpered column points to 0405/045,6 which points to 0405/894,4 which points to nothing.

The following fiber Jumpered columns point to reel 0005/094, but there is no reel with that description. Should it be reel 0105/94, 0005/TA, or something else?

0405/894,15; 0405/894,16; 0405/894,19; 0405/894,25; 0405/894,26; 0405/894,35; 0405/894,43.

The following Termination Equipment lists a chassis, we need the slot and card type it connects to: 0405/894,37; 0405/894,38.

The following point to a location that is shown as being connected to termination equipment, please clarify:

7. 0405/894,31 the Jumpered column points to 0507/94,01(49)
8. 0405/894,32 the Jumpered column points to 0507/94,24(72)
9. 0405/894,49 the Jumpered column points to 0507/094,05(53)
10. 0405/894,50 the Jumpered column points to 0507/094,17(65)
11. 0405/894,53 the Jumpered column points to 0507/094,13(61)
12. 0405/894,54 the Jumpered column points to 0507/094,20(68)
13. 0405/894,59 the Jumpered column points to 0105/094,01(01)
14. 0405/894,60 the Jumpered column points to 0507/094,23(71)
15. 0405/894,69 the Jumpered column points to 0105/094,03(03)

### **HUT 8**

0308/94,1 & 0308/94,2 jumpered to R08/20,1 & R08/20,2. 0308/94,7 & 0308/94,8 are also jumpered to R08/20,1 & R08/20,2 but also connected to Termination Equipment. No R08/20,1 is shown at this Hub.

### **HUT 9**

No internal jumpers or Termination Equipment shown.

### **HUT 10**

Could not find this Hub in Spatial, and did not find any fiber sheaths named with a "10" in the title.

### **HUT 11**

There is an extra (undocumented) sheath "H/12 to Hut 11" in Spatial which heads south and splices into a QWEST enclosure/sheaths.

1112/043,61 jumpered column points to 0611/043,53 which points to nothing.

### **STOC Relocation Issues**

4/9/12 email inquiry from CCI to WisDOT:

In "HUB Terminations.xls," there are tabs for "old HUB 1" and "OldTOC". For the location given for old HUB 1 (I-94 @ S 13th St.), there is now only Splice Case: FSPL-CV9139 and Cabinet RM-40-0008. A couple of the sheaths named on the old HUB 1 tab can be found at that location, but most are not. Should this information be ignored because it is obsolete?

There is not enough information given to determine the location of the OldTOC. If this is old and should be ignored, please verify.

Also, there is a tab "STOC". At the location given (433 West Saint Paul) Google Maps shows this location as being very close to Hut 1. Nearby, there is also Splice Case FSPL-MH1505 located at I-794 & N James Lovell St. which has 24 & 72 count sheaths going to it from Hut 1. The STOC tab shows a 24 & 72 count sheath going to it. Is this Splice Case actually a type of Hut Location?

Any information or direction on this will be helpful and appreciated.

## Termination Equipment Requiring Further Information

1. Rugged Com 3 Port 1
2. IFS 3130
3. Cybernet Ethernet Bridge
4. Optera Metro 3500
5. OC-48 Card Slot 12
6. IFS 232
7. Siemens OTR150
8. SWITCH Black Box
9. Media Convertor
10. Optera Metro 1450 ESM
11. IFS FM Audio Xmitter 1025
12. Siemens OTN STR 150 RX
13. Siemens OTN STR 150 TX
14. IFS 9230
15. Ruggedcomm SR4000
16. Media Convertor to RC
17. Switch Black Box
18. Vesitron Media Converter
19. ESM 1450
20. WISCWAVES
21. Infinera
22. Spectra Mux
23. MFN
24. Cisco 15216 (This is a chassis; need to know what card to use and what slot to connect to.)
25. Siemens OTN BORA 150 RX2
26. Siemens OTN BORA 150 TX2
27. IFS 1030
28. Cisco Catalyst
29. 4507R Uplink1
30. Catalyst 3560
31. Cyberlink Media Converter
32. Cisco 15454 (This is a chassis, we need to know what card to use and what slot to connect to.)
33. Nortel Metro
34. Comnet Media Converter
35. Single Fiber IFS
36. Siemens N-22 Bora top
37. Coratec
38. Nortel Metro
39. Nortel Passport 1612G
40. PSP-DOT
41. MOXA Media Converter