



**Memorandum of Understanding
between the
Department of Administration
Division of Enterprise Technology (DET)
and the
Wisconsin Department of Transportation (WisDOT)**

1. INTRODUCTION

This document represents a Memorandum of Understanding (MOU) between the Department of Administration (DOA), Division of Enterprise Technology (DET) and the Department of Transportation (WisDOT) to document the following changes:

1. DET will move one of WisDOT's head-end fiber connections from Hill Farms State Transportation Building (HFSTB) to 101 E. Wilson Street from the Norlight leased fiber path (Path 1) to a DOA fiber path
2. WisDOT will allow DET to use a 10 Gigabit connection between Hill Farms State Transportation Building (HFSTB) and the Femrite Data Center (FDC) to tunnel IP traffic over. DET will use this connection to send head-end traffic for WisDOT and other agencies over.

2. FIBER PATH CHANGES

Currently there are two fiber paths between HFSTB and the Femrite Data Center (FDC) carrying WISDOT head-end traffic.

Path 1

1. Path 1 is leased from Norlight and utilizes four strands of fiber connecting HFSTB to the DOA building located at 101 E. Wilson Street, 3rd floor computer room. It is then cross-connected to Touch American fiber connecting 101 E. Wilson Street to the FDC.
2. Path 1 will move the Norlight segment to State owned fiber, which travels from HFSTB to 101 E. Wilson along a similar but slightly longer path. This fiber route follows State Street and University Avenue.
3. WisDOT will provide all necessary patch cables required to connect their equipment located at the Hill Farms location, 4802 Sheboygan Avenue to the DOA 24 strand fiber located in room B169B of the Hill Farms location.
4. DET will provide 4 strands of the DOA 24 strand fiber. DET will notify WISDOT which strands are being used.
5. DET will provide all patch cables at the DOA location, 101 E. Wilson Street 3rd floor computer room, completing the connection to the TA Fiber.
6. WisDOT will determine which strand assignments of the TA fiber should be used for this connection and provide to DET.



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7. WisDOT will perform all necessary fiber testing with OTDR traces on the fiber path from 101 E. Wilson Street 3rd floor computer room, to the HFSTB and provide the test results to DET

Path 2

Path 2 is a 10 Gigabit circuit provided by Charter to WisDOT and connects HFSTB directly to the FDC. This path travels south from HFSTB to the Beltline before traveling east to the FDC. This route is physically diverse from the fiber in *Path 1*, which makes it ideal for WisDOT head-end traffic.

1. WISDOT will provision one (1) Ethernet port on the routers at each end of the 10 Gigabit circuit. These ports will be turned over to DET to route WisDOT's head-end traffic over. WisDOT will connect the Ethernet port at HFSTB to the DET GigaMadMAN router. DET will connect the end at the FDC to their enterprise router. DET will provide a router configuration for WisDOT to load and test. DET will participate in testing of the configuration prior to conversion.

3. RESPONSIBILITIES

DET

The Division of Enterprise Technology will do the following:

- Configure, test, implement and maintain all configuration changes on DET switches.
- Responsible for all physical changes to State owned fiber.
- Maintain documentation for all State owned fiber.
- DOA fiber is provided "as-is".
- There is no fiber guarantee or service level maintenance agreement.

WisDOT

The Department of Transportation will do the following:

- Provide an Ethernet handoff at each location: HFSTB and FDC.
- Configure, test, implement and maintain all DET requested configuration changes on DOT switches.
- Responsible to plan, coordinate and move any other DOT fiber connection that also use the Norlight fiber to the existing DOA owned fiber path.

4. INSTALLATION DATES

- DET will complete the fiber patch connection within 10 working days after the signing of this MOU at 101 E Wilson Street.
- WisDOT will complete all fiber patches within the same timeframe as DET.



5. MAINTENANCE

WisDOT understands that DET provides no redundancy or diversity under this agreement. Should the fiber that constitutes *Path 1* be cut or damaged, it will be WisDOT's responsibility to repair. WisDOT will also provide monitoring and locating service on *Path 1*.

6. CHARGES

There will be no charges for use of the interconnect fiber assessed by either organization against the other for fiber described in Section 2 of this MOU. DOT will continue to pay monthly BadgerNet GigaMadMAN charges for the transport of head-end traffic.

7. TERM OF MOU

This MOU shall commence on the date it is signed. This agreement will automatically renew each fiscal year until either party provides a 120-day notice of termination. Parties agree to work together to provide continuation of services related to this fiber.

8. Service Level

Fiber constituting *Path 1*, as described in SECTION 2, will be monitored 24x7 by the DOT's network monitoring and repair center (NMRC) vendor. Should the NMRC witness a loss of connectivity, the NMRC will resolve the problem as soon as possible and work closely with WisDOT personnel to restore the service.

9. DISPUTE RESOLUTION

In the event that a dispute arises between the MOU agencies regarding the use of fiber or conduit, the parties agree to meet on a regular basis until the dispute is resolved. In the event the dispute cannot be resolved, the matter will be brought before the head of each agency.

10. WARRANTY OF AUTHORITY

The signatories hereto warrant that they have full authority to enter into this MOU and make it binding on the parties hereto without further action or approval. The effective date of this MOU shall be the date that the agreement has been signed by both parties.



IN WITNESS WHEREOF, the parties have caused this MOU to be executed in duplicate by their duly authorized and empowered officers or representatives:

**Wisconsin Department of
Administration,**

Division of Enterprise Technology

[Handwritten Signature]

Signature

State CTO

Title

06-03-2010

Date

**Wisconsin Department of Transportation,
Division of Transportation System
Development**

[Handwritten Signature]

Signature

Director Bureau of Highway Ops

Title

5-28-10

Date

**Wisconsin Department of Transportation,
Division of Business Management**

[Handwritten Signature]

Signature

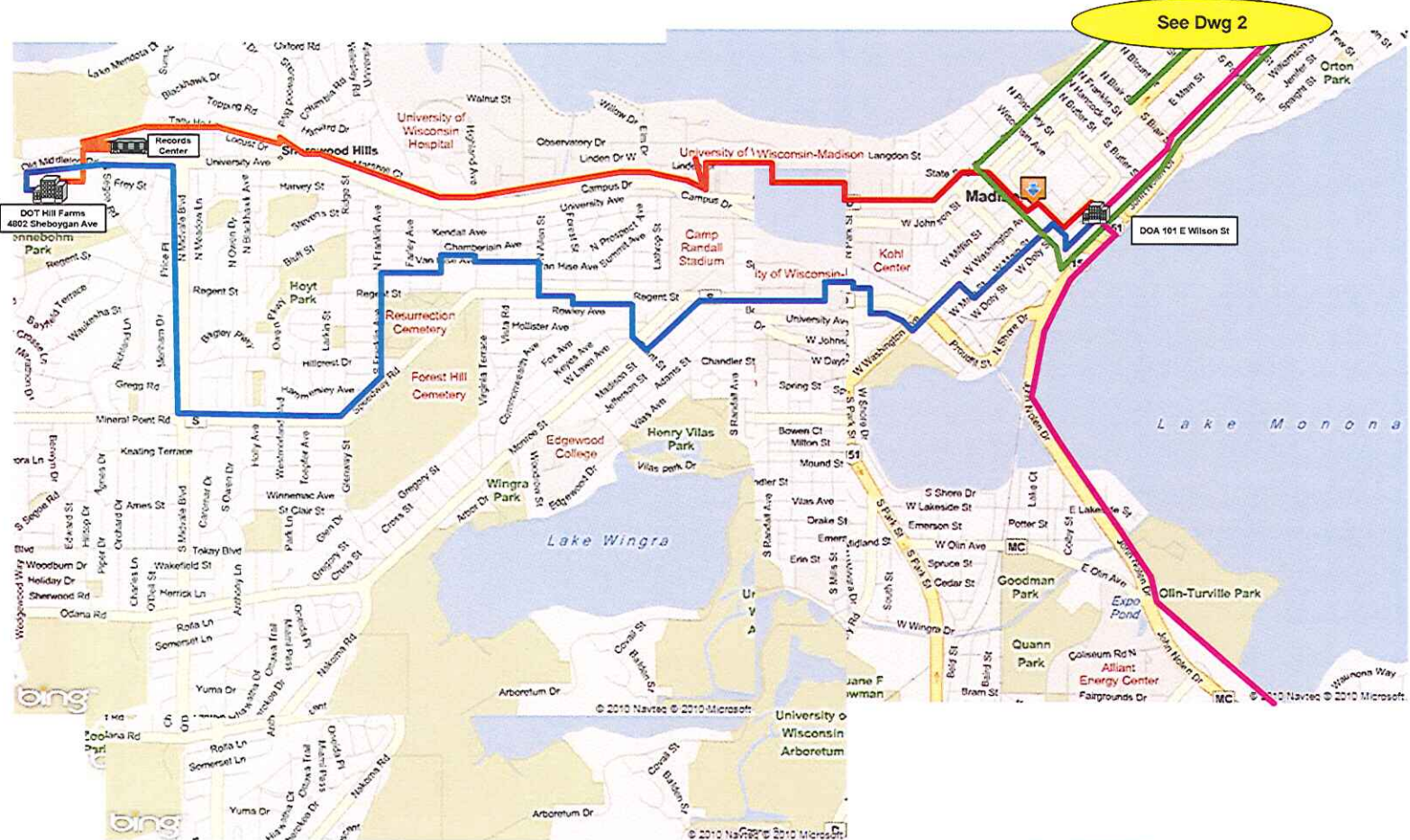
Bureau Director BITS

Title

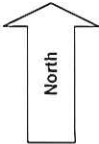
May 25, 2010

Date

Hill Farms to DataCenter

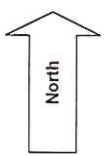


Legend	
	DOA 24 Fiber
	DOA 360 Fiber
	DOT 36 Fiber
	Norlight Fiber





Legend	
—	DOA 24 Fiber
—	DOA 360 Fiber
—	DOT 36 Fiber
—	Norlight Fiber



Dwg 2
CLNet
Revised 5-27-2010
HF to DataCenter Dwg 2 5-27-10.vsd