

*Network Disclosure Announcement No. 690*

Short Term Public Notice Under Rule 51.333(a)  
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### Copper Retirements in Minnesota

**First Implementation Date:** *June 12, 2009*  
Original Date Posted: *May 4, 2009*

**Summary:** Copper Retirements are necessary to respond to various factors in the Outside Plant, including road construction, maintenance problems, and growth accommodation. Replacement cables may be either copper or fiber. Specific information will be provided with each disclosure.

**Locations, Timing of  
Deployments & Interface  
Requirements:**

The following gives additional details on the copper retirement(s):

STATE	WIRE CENTER	PLANNED COMPLETION OR RETIREMENT DATE	DA (s)	Job #	FDI Address(es)	Replacing
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STATE	WIRE CENTER	PLANNED COMPLETION OR RETIREMENT DATE	DA (s)	Job #	FDI Address(es)	Replacing								
MN	Oak Grove OKGVMNOG	09-24-2009	480402	92M1Y5N	CR 5 & 167 <sup>TH</sup>	<p>Due to a road job in the City of Ramsey. Some of the existing buried cables, F2, in DA 480402 (19ga., 22ga. &amp; 26ga.) will be abandoned and replaced with new 24 ga. cables, in some of the areas covered by this job. All working services in the F2 cables (19ga., 22ga., &amp; 26 ga.) will be cut to the new F2 (24 ga.) cables. The existing cable lengths and new cable lengths will change in some of the sections.</p> <hr/> <table data-bbox="1003 617 1835 690"> <tr> <td data-bbox="1003 617 1186 649">OLD CABLE</td> <td data-bbox="1627 617 1835 649">NEW CABLE</td> </tr> <tr> <td data-bbox="1003 649 1375 690">2451' 22ga. @ 28 KHz=2.62</td> <td data-bbox="1459 649 1835 690">3545' 24 ga. @ 28KHz=5.61</td> </tr> </table> <p>Change of +2.99dB loss.</p> <hr/> <table data-bbox="1003 795 1835 836"> <tr> <td data-bbox="1003 795 1354 836">305' 26ga. @ 28 KHz=0.79</td> <td data-bbox="1459 795 1835 836">500' 24 ga. @ 28 KHz=0.82</td> </tr> </table> <p>Change of +0.03dB loss.</p> <hr/> <table data-bbox="1003 941 1835 982"> <tr> <td data-bbox="1003 941 1375 982">1401' 19ga. @ 28 KHz=0.83</td> <td data-bbox="1449 941 1835 982">1630' 24 ga. @ 28 KHz=2.55</td> </tr> </table> <p>Change of +1.72dB loss.</p>	OLD CABLE	NEW CABLE	2451' 22ga. @ 28 KHz=2.62	3545' 24 ga. @ 28KHz=5.61	305' 26ga. @ 28 KHz=0.79	500' 24 ga. @ 28 KHz=0.82	1401' 19ga. @ 28 KHz=0.83	1630' 24 ga. @ 28 KHz=2.55
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MN	Rochester ROCHMNRO	06-12-2009	230103	82M1XM5	NO SAI (Terminals I University Center and I-851 30 <sup>th</sup> Ave SE	THIS JOB WILL CUT THESE 2 TERMINALS TO AN EXISTING FIBER FED PAIR GAIN SYSTEM THAT IS LOCATED AT THE COLLEGE. AT THE COMPLETION OF THIS JOB NO COPPER C.O. F-1 PAIRS WILL REMIAN AT THESE 2 TERMINALS. ALL EXISTING SERVICES WILL WORK AT THE COMPLETION OF THE JOB. THIS JOB IS DUE TO A ROAD RECONSTRUCTION PROJECT ON 4 <sup>TH</sup> AVE SE. The before loss to terminal I-University Center is 37.86 dB at 28Khz which includes 5,813 feet of ANTW and 13,774 feet of ANMW (19.59 Kft). The after loss is .05 dB at 28Khz which includes 30 feet of ANMW cable (.03 Kft). The before loss to terminal I-851 30th Ave SE is 37.69 dB at 28Khz which includes 7,078 feet of ANTW, 345 feet of ANAW and 11,672 feet of ANMW (19.10 Kft). The after loss is 1.16 dB at 28Khz which includes 714 feet of ANMW cable (.71 Kft).
MN	Rochester ROCHMNRO	08-10-2009	213004	82M1XMD	2300 Collegeview Rd SE	THIS JOB WILL CUT ALL WORKING SERVICE TO THE EXISTING FIBER FED RT AT THIS LOCATION. THE WORK IS REQUIRED FOR THE 4 <sup>TH</sup> ST SE ROAD RECONSTRUCTION PROJECT. ALL EXISTING SERVICES WILL CONTINUE TO WORK AT THE COMPLETION OF THIS JOB. No C.O. copper F-1 pairs will remain at X 2300 Collegeview Rd SE at the completion of this job. The before loss to X 2300 Collegeview Rd SE is 25.33 dB at 28Khz which includes 5,547 feet of ANTW and 7,001 feet of ANMW (12.55 Kft). The after loss is .02 dB at 28Khz which includes 100 feet of ANMW cable (.1 Kft).

**Additional Information:**

Any customer premises equipment vendor/manufacturer or enhanced services provider desiring additional technical information in conjunction with this Disclosure can contact:

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