

Crown Castle Fiber LLC

Tariff Schedule Applicable to  
Facilities-Based and Resold Intrastate Telecommunications within  
the state of Michigan

This tariff will be maintained and made available for inspection at the Company's

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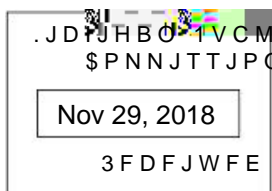
Issued Under Authority of Michigan Telecommunications Act, Act 179 of 1991, as amended.

Issued Date: November 13, 2018

Effective Date: November 15, 2018

Issued By: Fernanda H. Biehl, Regulatory Affairs – Fiber  
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### Tariff Format

- A. Page Numbering - Page numbers appear in the upper right corner of the page.  
P03fPag ( )-2 2 (g)l aey t-2 2 ( )-892h n( )g3( ( )-892 (o)i.2 (o)s-892 (o)su3 7 )b..2 (a)(e) 4 (u)r1

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### Check Sheet

Pages 1 through 56 inclusive of this tariff are effective as of the date shown. Revised sheets contain all of the changes from the original tariff that are in effect as of the date indicated. page(s).

<u>Page</u>	<u>Revision</u>	<u>Page</u>	<u>Revision</u>
1	Original	29	Original
2	Original	30	Original
3	Original	31	Original
4	Original	32	Original
5	Original	33	Original
6	Original	34	Original
7	Original	35	Original
8	Original	36	Original
9	Original	37	Original
10	Original	38	Original
11	Original	39	Original
12	Original	40	Original
13	Original	41	Original
14	Original	42	Original
15	Original	43	Original
16	Original	44	Original
17	Original	45	Original
18	Original	46	Original
19	Original	47	Original
20	Original	48	Original
21	Original	49	Original
22	Original	50	Original
23	Original	51	Original
24	Original	52	Original
25	Original	53	Original
26	Original	54	Original
27	Original	55	Original
28	Original	56	Original

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### Table of Contents

<u>Subject Matter</u>	<u>Page</u>
Title Sheet.....	1
Tariff Format .....	2
Check Sheet .....	3
1 General .....	5
1.1 Explanation of 0 0 1E1 (a)-32 (.18 (.y)0.9 7.)-2 (.)-2 .....	5

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## 1 General

### 1.1 Explanation of Symbols

- (C) – To signify a changed regulation or change in text
- (D) – To signify a discontinued rate or regulation
- (I) – To signify a rate increase
- (M) – To signify tariff information moved to a different page without any change
- (N) – To signify a new or changed rate or regulation
- (R) – To signify a rate reduction

### 1.2 Application of the Tariff

- 1.2.1 This tariff governs the Company's intrastate telecommunications facilities or Products that originate and terminate in the state of Michigan. Specific Products and rates are described elsewhere in this tariff.
- 1.2.2 The Company's Products are available to business customers and wholesale carriers.
- 1.2.3 The Company's Product territory is the state of Michigan.
- 1.2.4 The rates and regulations contained in this tariff apply only to the intrastate telecommunications facilities or Products furnished by the Company and do not apply, unless otherwise specified, to the lines, facilities, services, or products, provided by a local exchange carrier or other common carrier for use in accessing the Products of the Company. A communication is "intrastate" only if all points of origination and termination are located within the state of Michigan. This tariff does not cover any un-regulated product offered by the Company.

The rates, rules, terms and conditions contained herein are subject to change pursuant to the rules and regulations of the Commission.





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### 2.3.4 Defacement of Premises

2.3.4.1 The Company is not liable for any defacement of, or damage to, the Customer's premises resulting from the furnishing of Product or the attachment of equipment and facilities furnished by the Company on such premises or by the installation or removal thereof, when such defacement or damage is not the result of negligence of the Company. For the purpose of this paragraph, no agents or employees of other participating carriers shall be deemed to be agents or employees of the Company except where contracted by the Company.

### 2.3.5 Facilities and Equipment in Hazardous or Environmentally Sensitive or Inaccessible Locations

2.3.5.1 The Company does not guarantee nor make any warranty with respect to installations provided by it for use in a hazardous or environmentally sensitive location or atmosphere. Customer shall indemnify, defend and hold harmless the Company and its employees, agents and managers from and against any and all claims, loss, demands, suits, or other action, or any liability whatsoever, whether suffered, made, instituted or asserted by the Customer or by any other party, for any personal injury to or death of any person or persons, and for any loss, damage or destruction of any property, including environmental contamination, whether owned by the Customer or by any other party, caused or claimed to have been caused directly or indirectly by the installation, operation, failure to operate, maintenance, presence, condition, location, use or removal of any equipment or facilities or the



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2.4 Customer Liability for Unauthorized Use of the Network

Unauthorized use of the Network occurs when a person or entity that does not have actual, apparent, or implied authority to use the Network, obtains the Company’s Products provided under this tariff.

2.4.1 Customer Liability for Fraud and Unauthorized Use of the Network

~~24.1.1.1 (a) The Customer is responsible for payment of all charges for Products provided under this tariff furnished to the Customer. This responsibility is not changed due to any use, misuse, or abuse of the Customer’s Products or Customer-provided equipment by the Company, users, other third parties, the s,as-4 (2 ( )-35.9 (d)-4.8 (e)-4 )-3.1 (TE11.99)-4.aa~~  
responsible for payment of all charges for Products provided under this tariff furnished to the Customer. This responsibility is not changed due to any use, misuse, or abuse of the Customer’s Products or Customer-provided equipment by the Company, users, other third parties, the s,as-4 (2 ( )-35.9 (d)-4.8 (e)-4 )-3.1 (TE11.99)-4.aa



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## 2.6 Payment Terms

- 2.6.1 Product will be billed directly by the Company on a monthly basis and is due and payable upon receipt or as specified on the Customer's bill. The monthly-recurring charge associated with the Product shall begin to accrue on the Acceptance Date of such Product as stated in the applicable Order Form and will continue until the expiration of the Order Form. Product will continue to be provided until canceled by the Customer or discontinued by the Company as set forth in Section 2.15 of this tariff or individually negotiated agreement.
- 2.6.2 The Customer is responsible for payment of all charges for Product furnished to the Customer. The Company will invoice Customer for any NRC associated with the Product upon or after execution of the applicable Order Form. The MRC associated with the Product will be invoiced and shall be payable in advance, except Customer usage based charges (if any) associated with the Product which will be billed in arrears. A MRC charge for a partial month will be pro-rated. Customer shall be responsible for payment of the MRC for the entire Term specified in the applicable Order Form.
- 2.6.3 The Company reserves the right to require from an applicant for Product advance payments of recurring charges and non-recurring charge(s). The advance payment will not exceed an amount equal to the non-recurring charge(s) and three months' charges for the Product or facility. In addition, where special construction is involved, the advance payment may also include an amount equal to the estimated non-recurring charges for the special construction. The advance payment will be applied to any indebtedness for the Product and facilities for which the advance payment is made on the Customer's initial bills.

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## 2.10 Overcharge/Undercharge

2.10.1 When a Customer has been overcharged, the amount shall be refunded or credited to the Customer.

2.10.2 When a Customer has been undercharged, the amount shall be billed to the Customer.

## 2.11 Customer Complaints and Billing Disputes

2.11.1 Customers must notify the Company of billing or other disputes in writing no later than sixty (60) days after the date of the invoice and shall submit a documented claim with detailed information in writing for the disputed amount and pay the undisputed amounts in accordance with paragraphs 2.8.1 and 2.8.2. Failure of Customer to so notify Company of any dispute shall constitute a waiver by Customer of any dispute. Any amounts disputed in good faith shall not be due and payable until such dispus

2.11.3 If the Comer and he Company are nable o esolve the dispute o

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2.12.4

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2.15.1.9 Refusal of Access. For failure of the Customer to permit the Company to have reasonable access to its equipment at a Customer location.

2.15.1.10 Failure to Comply with Product Conditions. For failure of the Customer to furnish the equipment, permits, certificates, or rights-



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### 3 Rates and Charges

#### 3.1 Rates Generally: Individual Case Basis (ICB)

Rates and charges, including minimum usage, installation, special construction and recurring charges, for the Company's Products are established at negotiated rates on an individual case basis (ICB), which may vary depending upon certain factors, including without limitation, the nature of the facilities and Products, the costs of construction and operation, the volume of traffic, the length of Product commitment by the Customer, and location. The terms of such arrangements shall be set forth in individual customer contracts and Order Forms. Unless otherwise specified, the terms, conditions, obligations, and regulations set forth in this tariff shall be incorporated into and become a part of, said contract, and shall be binding on the Company and Customer. The



## 4 Description of Products

### 4.1 Ethernet Product

#### 4.1.1 Product Description

##### 4.1.1.1 General

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#### 4.1.1.2 Terms and Conditions

- 4.1.1.2.A Ethernet Product is available for a term period of 1, 2, 3, 4 or 5 years typically. In either case, the minimum period for Ethernet Product is one year.
- 4.1.1.2.B Pursuant to applicable individually negotiated agreement(s) between the Company and the Customer, at the expiration of the term plan, the Product may be converted to month-to-month billing and rated at the then prevailing rates for month-to-month Product. The Customer will also have the option of subscribing to any then effective term plan billing in lieu of Product being provided as month- to-month billing.
- 4.1.1.2.C The charges to reroute Product may be identical to a new installation.
- 4.1.1.2.D The network interface is the LAN interface on the Customer's equipment. The interface types are as follows:
- 10/100T
  - 1000T
  - 1000LX
  - 1000SX
  - 10 GigE
- 4.1.1.2.E The installation of Ethernet Product is based on a negotiated interval.
- 4.1.1.2.F The Customer is responsible for all internal wiring past the point of Company's Demarcation Point, associated equipment required in connecting the LAN to the Ethernet Optical Network equipment, and the installation operation and maintenance of any Customer-provided equipment, as sp3 (e)-4.-3.mfa



#### 4.1.1.3 Rates and Charges

##### 4.1.1.3.1 Non-Recurring Charges ("NRC")

Ethernet On-Net E-Line Install Per UNI	\$1000
Ethernet On-Net EVPL Install Per EVC	\$1000
Ethernet On-Net ELAN Install Per EVC	\$1000
Ethernet On-Net MAPL Per Location	\$2000
ENNI 1G Install	\$1000
ENNI 10G Install	\$2000
All Off-Net	ICB

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Product	Bandwidth (Mbps)	MRC Range (12-60 Month Term)
Ethernet On-Net E-Line Per UNI	30	\$603 - \$422
Ethernet On-Net E-Line Per UNI	40	\$636 - \$446
Ethernet On-Net E-Line Per UNI	45	\$649 - \$454
Ethernet On-Net E-Line Per UNI	50	\$661 - \$463
Ethernet On-Net E-Line Per UNI	60	\$689 - \$482
Ethernet On-Net E-Line Per UNI	70	\$711 - \$498
Ethernet On-Net E-Line Per UNI	80	\$733 - \$514
Ethernet On-Net E-Line Per UNI	90	\$756 - \$529
Ethernet On-Net E-Line Per UNI	100	\$772 - \$541
Ethernet On-Net E-Line Per UNI	150	\$866 - \$606
Ethernet On-Net E-Line Per UNI	200	\$959 - \$671
Ethernet On-Net E-Line Per UNI	300	\$986 - \$690
Ethernet On-Net E-Line Per UNI	400	\$1124 - \$787
Ethernet On-Net E-Line Per UNI	500	\$1234 - \$864
Ethernet On-Net E-Line Per UNI	600	\$1268 - \$888
Ethernet On-Net E-Line Per UNI	700	\$1338 - \$937
Ethernet On-Net E-Line Per UNI	800	\$1365 - \$955

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Product	Bandwidth (Mbps)	MRC Range (12-60 Month Term)
Ethernet On-Net E-Line Per UNI	900	\$1392 - \$975
Ethernet On-Net E-Line Per UNI	1000	\$1420 - \$994
Ethernet On-Net E-Line Per UNI	>1001	ICB
Ethernet On-Net EVPL Per EVC	3	\$804 - \$563
Ethernet On-Net EVPL Per EVC	5	\$804 - \$563
Ethernet On-Net EVPL Per EVC	10	\$805 - \$563
Ethernet On-Net EVPL Per EVC	20	\$854 - \$598
Ethernet On-Net EVPL Per EVC	25	\$879 - \$616
Ethernet On-Net EVPL Per EVC	30	\$904 - \$633
Ethernet On-Net EVPL Per EVC	40	\$954 - \$668
Ethernet On-Net EVPL Per EVC	45	\$973 - \$681
Ethernet On-Net EVPL Per EVC	50	\$992 - \$694
Ethernet On-Net EVPL Per EVC	60	\$1033 - \$723
Ethernet On-Net EVPL Per EVC	70	\$1067 - \$747
Ethernet On-Net EVPL Per EVC	80	\$1100 - \$770
Ethernet On-Net EVPL Per EVC	90	\$1133 - \$793
Ethernet On-Net EVPL Per EVC	100	\$1246 - \$873
Ethernet On-Net EVPL Per EVC	150	\$1371 - \$960

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- 4.2.1.2.7 A change in location or capacity will be treated as a discontinuance of the existing Product and an installation of a new Product. All associated non-recurring charges will apply for the new Product. A new minimum period will be established for the new Product. The Customer will also be responsible for all outstanding minimum Product period obligations

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4.2.1.3.2. Monthly Recurring Charges (“MRC”)

Product	Bandwidth/ Protocol	MRC Range (12-60 Month Term)
Point to Point Per On-Net Location	1Gbps	\$1723 - \$1206
Point to Point Per On-Net Location	10Gbps	\$3243- \$2270
Point to Point Per On-Net Location	OC-192	\$3568- \$2496
Point to Point Per On-Net Location	OC-192c	\$3568- \$2496
Point to Point Per On-Net Location	Other	ICB
MPON Per On-Net	ALL	ICB
Data Center to Data Center Connectivity-Inter Market Per On- Net Location (Route Dependent)	1Gbps, 1Gbps-FC, 2Gbps-FC	\$749 - \$1170 (12 Month) \$525-\$936 (60 Month)
Data Center to Data Center Connectivity-Inter Market Per On- Net Location(Route Dependent)	10Gbps, 8Gbps-FC, 10Gbps-FC, OC-192, OC-192c	\$1560 - \$3250 (12 Month) \$1250 – 2600 (60 Month)
Data Center to Data Center Connectivity-Inter Market Per On- Net Location (Route Dependent)	Other	ICB
Data Center to Data Center Connectivity-Intra Market Per On- Net Location	1Gbps, 1Gbps-FC, 2Gbps-FC	\$1079- \$756
Data Center to Data Center Connectivity-Intra Market Per On- Net Location	10Gbps, 8Gbps-FC, 10Gbps-FC, OC 1.1 (o)-10.W1.7,	

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5.1 Legal Descriptions and Maps, Cont'd.

Exchange	Incumbent Local Exchange Carrier
Birch Run	AT&T Michigan
Birmingham	AT&T Michigan
Boyne City	AT&T Michigan
Brevort	AT&T Michigan
Brighton	AT&T Michigan
Buchanan	AT&T Michigan
Byron	AT&T Michigan
Byron Center	AT&T Michigan
Cadillac	AT&T Michigan
Caledonia	AT&T Michigan
Calumet	AT&T Michigan
Carleton	AT&T Michigan
Carsonville	AT&T Michigan
Casnovia	AT&T Michigan
Cedar Springs	AT&T Michigan
Center Line	AT&T Michigan
Champion	AT&T Michigan
Channing	AT&T Michigan
Charlevoix	AT&T Michigan
Charlotte	AT&T Michigan
Cheboygan	AT&T Michigan
Chelsea	AT&T Michigan
Clare	AT&T Michigan
Clarklake	AT&T Michigan
Clarkston	AT&T Michigan

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 2.1 (ch)-4.8 (i)2.7 (g)5.2 (a)-3.1 (n)5.1 ( )TJ -178.19 -14.03 Td [(C)2 (l)2 (a)-4 (r)2.9 (ksf4.8 (i65-9 (M)(l)2 h)-41(ch)-4  
 (i)2.7 (g)5.2 (a)-3.1 (n)5.1 ( )TJ -178.19 -14.03 Td [(C)2 (l)2 (a)-4 (r)2.9 (ksf4.8 (i65-9 (M)(l)2 h)-41(ch)-4  
 (i)2.7 (g)5.2 (a)-3.1 (n)5.1 ( )TJ -178.19 -14.03 Td [(C)2 (l)2 (a)-4 (r)2.9 (ksf4.8 (i65-9 (M)(l)2 h)-41(ch)-4  
 (i)2.7 (g)5.2 (a)-3.1 (n)5.1 ( )TJ -178.19 -14.03 Td [(C)2 (l)2 (a)-4 (r)2.9 (ksf4.8 (i65-9 (M)(l)2 h)-41(ch)-4  
 (i)2.7 (g)5.2 (a)-3.1 (n)5.1 ( )TJ -178.19 -14.03 Td [(C)2 (l)2 (a)-4 (r)2.9 (ksf4.8 (i65-9 (M)(l)2 h)-41(ch)-4

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 5.1 Legal Descriptions and Maps, Cont'd.

Exchange	Incumbent Local Exchange Carrier
Detroit	AT&T Michigan
Dexter	AT&T Michigan
Dimondale	AT&T Michigan
Dorr	AT&T Michigan
Drayton Plains	AT&T Michigan
Dutton	AT&T Michigan
East Jordan	AT&T Michigan
East Tawas	AT&T Michigan
Eaton Rapids	AT&T Michigan
Eau Claire	AT&T Michigan
Elk Rapids	AT&T Michigan
Engadine	AT&T Michigan
Escanaba	AT&T Michigan
Ewart	AT&T Michigan
Fairgrove	AT&T Michigan
Farmington	AT&T Michigan
Farwell	AT&T Michigan
Fenton	AT&T Michigan
Fife Lake	AT&T Michigan
Flat Rock	AT&T Michigan
Flint	AT&T Michigan
Flushing	AT&T Michigan
Fountain	AT&T Michigan
Fowlerville	AT&T Michigan
Frankenmuth	AT&T Michigan
Frankfort	AT&T Michigan
Freeland	AT&T Michigan
Freeport	AT&T Michigan
Freesoil	AT&T Michigan
Fremont	AT&T Michigan
Fulton	AT&T Michigan
Gagetown	AT&T Michigan
Galesburg	AT&T Michigan
Galien	AT&T Michigan
Gladstone	AT&T Michigan
Gladwin	AT&T Michigan

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 5.1 Legal Descriptions and Maps, Cont'd.

Exchange	Incumbent Local Exchange Carrier
Grand Blanc	AT&T Michigan
Grand Haven	AT&T Michigan
Grand Rapids	AT&T Michigan
Grant	AT&T Michigan
Grattan	AT&T Michigan
Greenville	AT&T Michigan
Gwinn	AT&T Michigan
Harbor Springs	AT&T Michigan
Harrietta	AT&T Michigan
Harrison	AT&T Michigan
Hartland	AT&T Michigan
Hastings	AT&T Michigan
Hermansville	AT&T Michigan
Hillsdale	AT&T Michigan
Holland	AT&T Michigan
Holly	AT&T Michigan
Holt	AT&T Michigan
Hopkins	AT&T Michigan
Houghton	AT&T Michigan
Howell	AT&T Michigan
Hudsonville	AT&T Michigan
Indian River	AT&T Michigan
Interlochen	AT&T Michigan
Ionia	AT&T Michigan
Iron Mountain	AT&T Michigan
Iron River	AT&T Michigan
Irons	AT&T Michigan
Ironwood	AT&T Michigan
Ishpeming	AT&T Michigan
Jackson	AT&T Michigan
Jamestown	AT&T Michigan
Jonesville	AT&T Michigan
Kalamazoo	AT&T Michigan
Kalkaska	AT&T Michigan
Kent City	AT&T Michigan
Keweenaw	AT&T Michigan
Lake Leelanau	AT&T Michigan

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 5.1 Legal Descriptions and Maps, Cont'd.

Exchange	Incumbent Local Exchange Carrier
Lake Linden	AT&T Michigan
Lake Odessa	AT&T Michigan
Lake Orion	AT&T Michigan
Lansing	AT&T Michigan
Lapeer	AT&T Michigan
Le Roy	AT&T Michigan
Leslie	AT&T Michigan
Lexington	AT&T Michigan
Linwood	AT&T Michigan
Livonia	AT&T Michigan
Lowell	AT&T Michigan
Luther	AT&T Michigan
Mackinac Island	AT&T Michigan
Mackinac City	AT&T Michigan
Mancelona	AT&T Michigan
Manchester	AT&T Michigan
Manistee	AT&T Michigan
Manton	AT&T Michigan
Marine City	AT&T Michigan
Marion	AT&T Michigan
Marne	AT&T Michigan
Marquette	AT&T Michigan
Marshall	AT&T Michigan
Martin	AT&T Michigan
Mason	AT&T Michigan
Mayville	AT&T Michigan
Mc Bain	AT&T Michigan
Menominee	AT&T Michigan
Michigamme	AT&T Michigan
Middleville	AT&T Michigan
Midland	AT&T Michigan
Milan	AT&T Michigan
Moline	AT&T Michigan
Monroe	AT&T Michigan
Morley	AT&T Michigan
Mt. Clemens	AT&T Michigan
Mulliken	AT&T Michigan

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 5.1 Legal Descriptions and Maps, Cont'd.

Exchange	Incumbent Local Exchange Carrier
Napoleon	AT&T Michigan
Nashville	AT&T Michigan
Negaunee	AT&T Michigan
Newaygo	AT&T Michigan
New Baltimore	AT&T Michigan
Newberry	AT&T Michigan
New Boston	AT&T Michigan
New Buffalo	AT&T Michigan
New Haven	AT&T Michigan
Niles	AT&T Michigan
Northport	AT&T Michigan
Northville	AT&T Michigan
Norway	AT&T Michigan
Olivet	AT&T Michigan
Onekama	AT&T Michigan
Oscoda	AT&T Michigan
Otsego	AT&T Michigan
Owendale	AT&T Michigan
Oxford	AT&T Michigan
Peck	AT&T Michigan
Pellston	AT&T Michigan
Perkins	AT&T Michigan
Petoskey	AT&T Michigan
Pinckney	AT&T Michigan
Plainwell	AT&T Michigan
Plymouth	AT&T Michigan
Pontiac	AT&T Michigan
Port Huron	AT&T Michigan
Portland	AT&T Michigan
Port Sanilac	AT&T Michigan
Potterville	AT&T Michigan
Powers	AT&T Michigan
Rapid River	AT&T Michigan
Reed City	AT&T Michigan
Reese	AT&T Michigan
Republic	AT&T Michigan
Richland	AT&T Michigan

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5.1 Legal Descriptions and Maps, Cont'd.

Exchange	Incumbent Local Exchange Carrier
Utica	AT&T Michigan
Vassar	AT&T Michigan
Vermontville	AT&T Michigan
Vicksburg	AT&T Michigan
Wakefield	AT&T Michigan
Walled Lake	AT&T Michigan
Walloon Lake	AT&T Michigan
Warren	AT&T Michigan
Washinse,2.8 (e)-4.7	

112.4 (2)- (l)-2B 178.19r)78.19 0-8.1 ( )778.2 (l)-3.1 (n)5.1 ( )TJ -178.19 -14.05 Td [(W)-25.9 (a)6.7 (l)11.2 (l)2.8 (o)-  
(C)2.9 )TJ -178.19 -13.93 Td [(W)-25.9 (a)6.7 (s)9.2 (h)-3.1 (i)11.9 (n)-3.9 (s)93h8)13 (e,2.8 (e)-4.7 )TJ 178.19 0 T  
ca8 (T)-8.1 ( )7d(o)-4.7o.72 (a)-7MC

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## 5.1 Legal Descriptions and Maps, Cont'd.

Exchange	Incumbent Local Exchange Carrier
Adrian	Frontier North, Inc.
Alden	Frontier North, Inc.
Allegan	Frontier North, Inc.
Alma	Frontier North, Inc.
Almont	Frontier North, Inc.
Alpena	Frontier North, Inc.
Ashley	Frontier North, Inc.
Atlanta	Frontier North, Inc.
Avoca	Frontier North, Inc.
Bancroft	Frontier North, Inc.
Bangor	Frontier North, Inc.
Barryton	Frontier North, Inc.
Bath	Frontier North, Inc.
Blissfield	Frontier North, Inc.
Breckenridge	Frontier North, Inc.
Britton	Frontier North, Inc.
Bronson	Frontier North, Inc.
Brown City	Frontier North, Inc.
Burr Oak	Frontier North, Inc.
Capac	Frontier North, Inc.
Carson City	Frontier North, Inc.
Caseville	Frontier North, Inc.
Cass City	Frontier North, Inc.
Cassopolis	Frontier North, Inc.
Central Lake	Frontier North, Inc.
Centreville	Frontier North, Inc.
Clam River	Frontier North, Inc.
Clifford	Frontier North, Inc.
Clinton	Frontier North, Inc.
Coldwater	Frontier North, Inc.
Coldwater Lake	Frontier North, Inc.
Colon	Frontier North, Inc.
Columbiaville	Frontier North, Inc.
Conklin	Frontier North, Inc.

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## 5.1 Legal Descriptions and Maps, Cont'd.

Exchange	Incumbent Local Exchange Carrier
Fenwick	Frontier North, Inc.
Fowler-Pewamo	Frontier North, Inc.
Fruitport	Frontier North, Inc.
Gaines	Frontier North, Inc.
Ganges	Frontier North, Inc.
Gaylord	Frontier North, Inc.
Gobles	Frontier North, Inc.
Goodells	Frontier North, Inc.
Grand Junction	Frontier North, Inc.
Grand Ledge	Frontier North, Inc.
Grass Lake	Frontier North, Inc.
Grayling	Frontier North, Inc.
Hamilton	Frontier North, Inc.
Harbor Beach	Frontier North, Inc.
Harrisville	Frontier North, Inc.
Hart	Frontier North, Inc.
Hartford	Frontier North, Inc.
Hemlock	Frontier North, Inc.
Hesperia	Frontier North, Inc.
Higgins Lakes	Frontier North, Inc.
Hillman	Frontier North, Inc.
Holton	Frontier North, Inc.
Houghton Lake	Frontier North, Inc.
Howard City	Frontier North, Inc.
Hubbard Lake	Frontier North, Inc.
Hubbardston	Frontier North, Inc.
Hudson	Frontier North, Inc.
Ida	Frontier North, Inc.
Imlay City	Frontier North, Inc.
Ithaca	Frontier North, Inc.

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## 5.1 Legal Descriptions and Maps, Cont'd.

Exchange	Incumbent Local Exchange Carrier
Pompeii	Frontier North, Inc.
Posen	Frontier North, Inc.
Quincy	Frontier North, Inc.
Rankin	Frontier North, Inc.
Ravenna	Frontier North, Inc.
Reading	Frontier North, Inc.
Remus	Frontier North, Inc.
Richmond	Frontier North, Inc.
Riverdale	Frontier North, Inc.
Rogers City	Frontier North, Inc.
Roscommon	Frontier North, Inc.
St. Johns	Frontier North, Inc.
St. Louis	Frontier North, Inc.
Saline	Frontier North, Inc.
Saugatuck	Frontier North, Inc.
Schoolcraft	Frontier North, Inc.
Shelby	Frontier North, Inc.
Shepherd	Frontier North, Inc.
Sheridan	Frontier North, Inc.
Sidney	Frontier North, Inc.
Sister Lakes	Frontier North, Inc.
Six Lakes	Frontier North, Inc.
Smith Creek	Frontier North, Inc.
South Haven	Frontier North, Inc.
Stanton	Frontier North, Inc.
Stanwood	Frontier North, Inc.
Sturgis	Frontier North, Inc.
Swartz Creek	Frontier North, Inc.
Tecumseh	Frontier North, Inc.
Temperance	Frontier North, Inc.
Three Rivers	Frontier North, Inc.
Tipton	Frontier North, Inc.
Torch River Bridge	Frontier North, Inc.
Twin Lake	Frontier North, Inc.

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5.1 Legal Descriptions and Maps, Cont'd.

Exchange	Incumbent Local Exchange Carrier
Union	Frontier North, Inc.
Union City	Frontier North, Inc.
Vandalia	Frontier North, Inc.
Vanderbilt	Frontier North, Inc.
Vestaburg	Frontier North, Inc.
Weidman	Frontier North, Inc.
Whitehall	Frontier North, Inc.
White Pigeon	Frontier North, Inc.
Williamston	Frontier North, Inc.
Woodland	Frontier North, Inc.
Yale	Frontier North, Inc.

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## 5.1 Legal Descriptions and Maps, Cont'd.

Exchange	Incumbent Local Exchange Carrier
Addison	Frontier Midstates
Alger	Frontier Midstates
Baroda	Frontier Midstates
Bridgman	Frontier Midstates
Burlington	Frontier Midstates
Fitchburg	Frontier Midstates
Glenn	Frontier Midstates
Gregory	Frontier Midstates
Homer	Frontier Midstates
Lacota	Frontier Midstates
Lambertville	Frontier Midstates
Lawrence	Frontier Midstates
Lupton	Frontier Midstates
Morenci	Frontier Midstates
Munith	Frontier Midstates
Onondaga	Frontier Midstates
Parma	Frontier Midstates
Prescott	Frontier Midstates
Pullman	Frontier Midstates
Rives Junction	Frontier Midstates
Rose City	Frontier Midstates
Sawyer	Frontier Midstates
Sterling	Frontier Midstates
Stockbridge	Frontier Midstates
Tekonsha	Frontier Midstates
Webberville	Frontier Midstates

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