

Network Disclosure Announcement No. 500

Public Notice of Network Change(s), Pursuant to CFR 47, subsections 51.325 - 51.335.
Qwest's Internet address: <http://www.qwest.com/disclosures>.

L2TP

First Implementation Date: **January 3, 2005**

Original Date Posted:

August 18, 2004

Summary:

L2TP Tunneling is a standard protocol defined in RFC#2661 and enables tunneling of point to point protocol.

Locations and

Timing of Deployment:

L2TP Service Points are geographic locations, designated by Qwest. The list of L2TP Service Points can be found in Attachment 1 and will reflect "Deployed" when the service is available.

Pricing:

L2TP is a standard protocol, which is associated with existing physical interfaces such as Packet Over SONET and Gigabit Ethernet. Qwest will variably deploy this new protocol and price its functionality according to market price with applicable physical interfaces.

Interface Requirements:

The physical interface must support L2TP per RFC#2661. Electronic equipment must be enabled with L2TP capability per RFC#2661.

<http://www.faqs.org/rfcs/rfc2661.html>

Additional Information:

Any customer premises equipment vendor/manufacturer or enhanced services provider desiring additional technical information in conjunction with these interfaces provided by Qwest may contact:

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Qwest Corporation
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Littleton, CO 80120
Ted.Hayes@qwest.com

Service Points

<u>Wire Center</u>	<u>CLLI</u>	<u>L2TP AVAILABILITY DATE</u>
ARIZONA		
Aqua Fria Sunrise	AGFIAZSR	
Beardsley	BRDSAZMA	
Chandler Main	CHNDAZMA	
Chandler South	CHNDAZSO	
Chandler West	CHNDAZWE	
Coldwater	GDYRAZCW	
Cottonwood	CTWDAZMA	
Deer Valley North	DRVYAZNO	
Flagstaff East	FLGSAZEA	
Flagstaff Main	FLGSAZMA	
Glendale Main	GLDLAZMA	
Higley	HGLYAZMA	
Litchfield Park	LTPKAZMA	
Mesa Gilbert	MESAAZGI	
Mesa Main	MESAAZMA	
New River	NWRVAZMA	
Peoria Main	PHNXAZPR	
Phoenix Bethany West	PHNXAZBW	
Phoenix Cactus	PHNXAZCA	
Phoenix East	PHNXAZEA	
Phoenix Greenway	PHNXAZGR	
Phoenix Main	PHNXAZMA	
Phoenix Maryvale	PHNXAZMY	
Phoenix Midriders	PHNXAZMR	
Phoenix North	PHNXAZNO	
Phoenix Northeast	PHNXAZNE	
Phoenix Northwest	PHNXAZNW	
Phoenix South	PHNXAZSO	
Phoenix Southeast	PHNXAZSE	
Phoenix Sunnyslope	PHNXAZSY	
Phoenix West	PHNXAZWE	
Pinnacle Peak	PRVYAZPP	
Prescott	PRSCAZMA	
Scottsdale Main	SCDLAZMA	
Scottsdale Shea	SCDLAZSH	
Scottsdale Thunderbird	SCDLAZTH	
Superstition Main	SPRSAZMA	
Superstition West	SPRSAZWE	
Tempe Main	TEMPAZMA	
Tempe McClintock	TEMPAZMC	
Tolleson	TLSNAZMA	
Tucson Craycroft	TCSNAZCR	
Tucson East	TCSNAZEA	

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Attachment 1

Tucson Flowing Wells	TCSNAZFW
Tucson Main	TCSNAZMA
Tucson Rincon	TCSNAZRN
Tucson South	TCSNAZSO
Tucson Southeast	TCSNAZSE
White Tanks	WHTKAZMA
Yuma	YUMAAZMA

COLORADO

Aberdeen	ENWDCOAB
Air Force Academy	AFACCOMA
Alamosa	ALMSCOMA
Arvada	ARVDCOMA
Aspen	ASPECOMA
Ault	AULTCOMA
Aurora Main	AURRCOMA
Avon	AVONCOMA
Avondale	AVDLCOMA
Berthoud	BRTHCOMA
Black Forest	BLFSCOMA
Brighton	BITNCOMA
Brush	BRSHCOMA
Boulder Gunbarrel	BLDRCOGB
Boulder Main	BLDRCOMA
Broomfield	BRFDCOMA
Breckenridge	BRRGCOMA
Buena Vista	BNVSCOMA
Canon City	CACYCOMA
Carbondale	CRDLCOMA
Central City	CNCYCOMA
Clifton	CFTNCOMA
Coal Creek Canyon	CCCNCOMA
Colorado Springs East	CLSPCOEA
Colorado Springs Main	CLSPCOMA
Colorado Springs Pikeview	CLSPCOPV
Columbine	DNVRCOCL
Cooper Mountain	CPMTCOMA
Cottonwood	DNVRCOCW
Castle Rock	CSRKCONM
Cortez	CRTZCOMA
Craig	CRAGCOMA
Cripple Creek	CRCKCOMA
Del Norte	DLNRCOMA
Delta	DELTCOMA
Denver Capital Hill	DNVRCOCH
Denver Curtis Park	DNVRCOCP

Denver Dry Creek	DNVRCODC
Denver East	DNVRCOEA
Denver Main	DNVRCOMA
Denver North	DNVRCONO
Denver Northeast	DNVRCONE
Denver Smokey Hill	DNVRCOSH
Denver South	DNVRCOSO
Denver Southeast	DNVRCOSE
Denver Southwest	DNVRCOSW
Denver Sullivan	DNVRCOSL
Denver Tech Center	DNVRCOTC
Denver West	DNVRCOWS
DIA	DNVRCOOU
Dillon	DLLNCOMA
Durango	DURNCOMA
Eaton	EATNCOMA
Elizabeth	ELZBCOM01
Englewood	ENWDCOMA
Erie	ERIECOMA
Evergreen	EVRGCOMA
Florence	FLRNCOMA
Fort Collins Harmony	FTCLCOHM
Fort Collins Main	FTCLCOMA
Fort Morgan	FTMRCOMA
Fountain	FONTCOMA
Frederick	FRDRCOMA
Frisco	FRSCCOMA
Fruita	FRUTCOMA
Ft Lupton	FTLPCOMA
Gilcrest	GLCRCOMA
Glenwood Springs	GLSPCOMA
Golden Main	GLDNCOMA
Gunnison	GNSNCOMA
Grand Junction	GDJTCOMA
Grandby	GRNBCOMA
Greeley Main	GRELCOMA
Green Mtn Falls	GMFLCOMA
Georgetown	GRTWCOMA
Highlands Ranch	LTTNCOHL
Hot Sulphur Springs	HSSPCOMA
Hudson	HDSNCOMA
Idaho Springs	IDSPCOMA
Johnson Milliken	JHMLCOMA
Julesburg	JLBGCOMA
Kiowa	KIOWCONM

Lakewood Main	LKWDCOMA
Larkspur	LRKSCONM
Lasalle	LSLLCOMA
Limon	LIMNCOMA
Littleton	LTTNCOMA
Longmont	LNMTCOMA
Lookout Mountain	LKMTCOMA
Loveland	LVLDCOMA
Lyons	LYNSCOMA
Manitou Springs	MNSPCOMA
Meeker	MEKRCOMA
Mesa Verde	MVNPCOMA
Minturn	MNTRCOMA
Monaghan	AURRCOMB
Montbello	DNVRCOMB
Montrose	MTRSCOMA
Morrison	MRSNCOMA
Nederland	NDLDCOMA
New Castle	NWCSCOMA
Niwot	NIWTCOMA
Northglenn	NGLNCOMA
Olathe	OLTHCOMA
Ouray	OURYCOMA
Ovid	OVIDCOMA
Palisade	PLSDCOMA
Parachute	PACHCO01
Parker	PRKRCOMA
Parkview	GRELCOJC
Penrose	PNRSCOMA
Pikeview	CLSPCOPV
Pueblo	PUBLCOMA
Pueblo Sunset	PUBLICOSU
Pueblo West	PUBLCO06
Ridgway	RDGWCOMA
Rifle	RIFLCOMA
Salida	SALDCOMA
Security	SCRTCOMA
Silt	SILTCOMA
Silverton	SLTNCOMA
Snowmass	SNMSCOMA
Steamboat Springs	STSPCOMA
Sterling	STNGCOMA
Stratmoor	CLSPCOSM
Table Mesa Main	TEMACOMA
Telluride	TLRDCOMA

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Attachment 1

Trinidad	TRNDCOMA
Vail	VAILCOMA
Vineland	VNLDCOMA
Walsenburg	WLBGCOMA
Ward	WARDCOMA
Weldona	WLDACOMA
Wellington	WGTNCOMA
Westminster	WMNSCOMA
Windsor	WNDSCOMA

IDAHO

American Falls	AMFLIDMA
Blackfoot	BLFTIDMA
Bliss	BLSSIDMA
Boise Eagle	EAGLIDNM
Boise Main	BOISIDMA
Boise Northwest	BOISIDNW
Boise Southwest	BOISIDSW
Burley	BRLYIDMA
Boise West	BOISIDWE
Caldwell	CLWLIDMA
Gooding	GDNGIDMA
Emmett	EMMTIDMA
Hailey	HALYIDMA
Idaho Falls	IDFLIDMA
Inkom	INKMIDMA
Jerome	JERMIDNM
Ketchum	KTCHIDMA
Kuna	KUN AidMA
Lewiston	LSTNIDSH
Meridian	MRDNIDMA
Middleton	MDTNIDMA
Mountain Home	MTHOIDMA
Nampa	NMPAIDMA
Pocatello Main	PCTLIDMA
Pocatello North	PCTLIDNO
Payette	PYTTIDMA
Rexburg	RXBGIDMA
Rigby	RGBYIDMA
Riverside	RVSDIDMA
Shoshone	SHSHIDMA
Shelley	SHLYIDMA
Twin Falls	TWFLIDMA
Wendell	WNDLIDMA

IOWA

Ames	AMESIATC
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Ankeny	ANKNIACO
Cedar Rapids Downtown	CDRRIADT
Cedar Rapids Marion	CDRRIAMN
Cedar Rapids North	CDRRIANO
Cedar Rapids West	CDRRIAWS
Council Bluffs	CNBLIAWA
Davenport Downtown	DVNPIADT
Davenport Northeast	DVNPIANE
Des Moines Ashworth	DESMIAAW
Des Moines Downtown	DESMIADT
Des Moines East	DESMIAEA
Des Moines Northwest	DESMIANW
Des Moines South	DESMIASO
Des Moines West	DESMIAWS
Dubuque Downtown	DUBQIATC
Iowa City	IWCYIATC
Muscatine	MSCTIACO
Sioux City Downtown	SXCYIADT
Underwood	UNWDIACO
Waterloo	WTRLIADT

MINNESOTA

Afton	AFTNMNAF
Anoka	ANOKMNAN
Blaine	BLANMNBL
Cedar	BLTNMNCE
Normandale	BLTNMNNO
Bloomington South	BLTNMNNO
Brooklyn Center	BRCTMNBC
Burnsville	BRVLMNBU
Coon Rapids	CNRPMNND
Crystal	CRYSMNCR
Cottage Grove	CTGVMNCG
Duluth	DLTHMNME
Lexington	EAGNMNLB
Eden Prairie	EDPRMNEP
Glen Prairie	EDPRMNGP
Fridley	FRDLMNFR
Golden Valley Orchard	GLVYMNOR
Hopkins	HPKNMNHO
Minneapolis 7th Ave	MPLSMN07
Bryant	MPLSMNBB
Beard	MPLSMNBE
Minneapolis Downtown	MPLSMNDT
Minneapolis Franklin	MPLSMNFR
Fort Snelling	MPLSMNFS

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Attachment 1

Minneapolis Grange	MPLSMNGE
Minneapolis Penn	MPLSMNPE
Minneapolis Pillsbury	MPLSMNPI
Minneapolis 24 St	MPLSMNTF
Maplewood Main	MPWDMNMA
St. Paul Park Row	NSPLMNPR
New Brighton	NWBTMNCL
Fernbrook	PLMOMNFE
Rochester	ROCHMNRO
Shoreview – Rice St	SHVWMNRI
St. Cloud	STCDMNTO
St. Joseph	STJSMNSJ
Beech	STPLMNBE
Emerson	STPLMNEM
Front	STPLMNHB
St. Paul Midway	STPLMNMI
St. Paul Market	STPLMNMK
Stewartville	STVLMNST
Stillwater	STWRMNST
St. Paul West (Oakdale)	WSPLMNWS
Wayzata	WYZTMNWA

MONTANA

Billings	BLNGMTMA
Bozeman	BZMNMTMA
Butte	BUTTMT09
Dillon	DLLNMTMA
East Helena	EHLNMTMA
Great Falls	GRFLMTMA
Havre	HAVRMTMA
Helena Main	HLNAMTMA
Helena North	HLNAMTNO
Lewistown	LWTWMTMA
Miles City	MLCYMTMA
Missoula	MSSLMTMA
Shelby	SHLBMTMA

NEBRASKA

Fowler	OMAHNEFW
Fremont	FRMTNENW
Grand Island	GDISNENW
Norfolk	NRFLNENW
North Platte	NPLTNENW
Omaha 78th St	OMAHNE78
Omaha 84th St	OMAHNE84
Omaha 90th St	OMAHNE90
Omaha 135th St	OMAHNECE

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Attachment 1

Omaha Fort	OMAHNEFO
Omaha Douglas	OMAHNENW
Omaha Harrison	OMAHNEHA
Omaha Izzard	OMAHNEIZ
Omaha O St	OMAHNEOS
Wayne	WAYNNEUW

NEW MEXICO

Albuquerque Academy	ALBQNMAC
Albuquerque Corrales	ALBQNMCR
Albuquerque East	ALBQNMEA
Albuquerque Main	ALBQNMMA
Albuquerque North	ALBQNMNO
Albuquerque Northeast	ALBQNMNE
Albuquerque Rio Rancho	ALBQNMRR
Albuquerque San Mateo	ALBQNMSS
Albuquerque Southwest	ALBQNMSS
Albuquerque West	ALBQNMWE
Alamogordo Main	ALMGNMMA
Artesia	ARTSNMMA
Bernalillo Main	BRNLNMMA
Clovis Main	CLVSNMMA
Farmington	FRTNNMMA
Gallup Main	GLLPNMMA
Laguna	LAACNM01
Las Cruces Amber Mesa	LSCRNM16
Las Cruces Main	LSCRNMMA
Las Cruces Telshor	LSCRNMMS
Los Alamos Main	LSALNMMA
Los Alamos Whiterock	LSALNMWR
Las Vegas	LSVGNMMA
Portales	PTLSNMMA
Roswell Main	RSWLNMMMA
Santa Fe North	SNFENMNO
Sante Fe Main	SNFENMMA
Sante Fe Southwest	SNFENMSW
Silver City	SLCYNMMA
Socorro	SCRNMMA
Taos	TAOSNMMA

NORTH DAKOTA

Bismarck	BSMRNDBC
Fargo Moorhead	FARGNDBC
Grand Forks	GDFRNDBC

OREGON

Albany Main	ALBYOR63
Astoria	ASTROR64

Baker	BAKROR23
Bend	BENDOR24
Corvallis Main	CRVSOR65
Eugene Main	EUGNOR53
Eugene River Road	EUGNOR28
Florence	FLRNOR53
Grants Pass	GRPSOR29
Independence	INDPOR58
Jefferson	JFSNOR63
Klamath Falls	KLFLOR54
Lake Oswego Main	LKOSOR62
Madras	MDRSOR52
Medford	MDFDOR33
Milwaukie	MLWKOR17
Newport	NWPTOR35
Pendleton	PNTNOR56
Portland Alpine	PTLDOR11
Portland Atlantic	PTLDOR12
Portland Belmont	PTLDOR13
Portland Butler	PTLDOR14
Portland Capital	PTLDOR69
Portland Cherry	PTLDOR17
Portland Cypress	PTLDOR02
Portland Prospect	PTLDOR18
Redmond	RDMDOR01
Roseburg	RSBGOR57
Salem Main	SALMOR58
Seaside	SESDOR64
Springfield	SPFDOR01
Woodburn	WDBNOR59

SOUTH DAKOTA

Aberdeen	ABRDSDCO
Belle Fourche	BLFRSDCO
Deadwood	DDWDSDCO
Elk Point	ELPNSDCO
Ft. Pierre	FTPRSDCE
Huron	HURNSDCO
Madison	MDSNSDCE
Mitchell	MTCHSDCO
Pierre	PIRRSDCO
Rapid City	RPCYSDCO
Rapid Valley	RPVYSDCO
Sioux Falls Southwest	SXFLSDSW
Sioux Falls Main	SXFLSDCO
Sioux Falls Southeast	SXFLSDSE

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Attachment 1

Spearfish	SPRFSDCO
Sturgis	STRGSDCO
Vermillion	VRMLSDCO
Warwick	WRWKSDCO
Watertown	WTTWSDCO
Yankton	YNTNSDCO

UTAH

Bountiful	BNTFUTMA
Brigham City Main	BGCYUTMA
Cedar City	CDCYUTMA
Clearfield	CLFDUTMA
Farmington Main	FRTNUTMA
Holladay	HLDYUTMA
Kerns Main	KRNSUTMA
Lehi	LEHIUTMA
Logan	LOGNUTMA
Magna	MAGNUTNM
Midvale	MDVAUTMA
Murray Main	MRRYUTMA
Ogden Main	OGDNUTMA
Ogden North	OGDNUTNO
Ogden South	OGDNUTSO
Orem	OREMUTMA
Park City	PRCYUTMA
Provo Main	PROVUTMA
Richfield	RCFDUTMA
Salt Lake City East	SLKCUTEA
Salt Lake City Main	SLKCUTMA
Salt Lake City South	SLKCUTSO
Salt Lake City West	SLKCUTWE
Springville	SPVLUTMA
St. George	STGRUTMA

WASHINGTON

Auburn	AUBNWA01
Bellevue Glencourt	BLLVWAGL
Bellevue Sherwood	BLLVWASH
Bellingham	BLHMWA01
Bremerton	BMTNWA01
Kent O'brien	KENTWAOB
Lacy Main	LACYWA01
Issaquah	ISQHWAEX
Mercer Island	MRISWA01
Olympia Whitehall	OLYMWA02
Puyallup	PYLPWA01
Renton Main	RNTNWA01

Seattle Atwater	STTLWA05
Seattle Campus	STTLWACA
Seattle Cherry	STTLWACH
Seattle Duwamish	STTLWADU
Seattle East	STTLWA03
Seattle Elliot	STTLWAEL
Seattle Emerson	STTLWA04
Seattle Lakeview	STTLWALA
Seattle Main	STTLWA06
Seattle Parkway	STTLWAPA
Seattle Sunset	STTLWASU
Seattle West	STTLWAVE
Silverdale	SLDLWASI
Spokane Chestnut	SPKNWACH
Spokane Fairfax	SPKNWafa
Spokane Hudson	SPKNWAHD
Spokane Keystone	SPKNWAKY
Spokane Riverside	SPKNWA01
Spokane Walnut	SPKNWAWA
Spokane Whitworth	SPKNWAWH
Tacoma Fawcett	TACMWafa
Tacoma Fort Lewis	TACMWAFaL
Tacoma Greenfield	TACMWAGF
Tacoma Juniper	TACMWAJU
Tacoma Lenox	TACMWALe
Tacoma Logan	TACMWALo
Tacoma Skyline	TACMWASy
Tacoma Waverly 2	TACMWAWA
Tacoma Waverly 7	TACMWAWV
Vancouver Orchard	ORCHWA01
Vancouver Oxford	VANCWA01
Yakima	YAKMWA02

WYOMING

Casper Main	CSPRWYMA
Cheyenne Main	CHYNWYMA
Cody	CODYWYMA
Gillette	GLTTWYMA
Jackson	JCSNWYMA
Laramie Main	LARMWYNM
Powell	POWLWYMA
Rawlins	RWLNWYMA
Riverton Main	RVTNWYMA
Rock Springs Main	RCSPWYMA
Sheridan	SHRDWYMA