

**CITY OF LA VISTA
MAYOR AND CITY COUNCIL REPORT
MAY 1, 2012 AGENDA**

Subject:	Type:	Submitted By:
ADVERTISE FOR BIDS- UPGRADE WIRELESS SYSTEM	◆ RESOLUTION ORDINANCE RECEIVE/FILE	PAT ARCHIBALD DIRECTOR PUBLIC BUILDINGS & GROUNDS

SYNOPSIS

A resolution has been prepared authorizing the advertisement of bids to upgrade the Wireless System serving City Facilities.

FISCAL IMPACT

The FY 11/12 Capital Fund provides funding for this project.

RECOMMENDATION

Approval.

BACKGROUND

The wireless system has been in place since 2003 with an upgrade in 2006. One of the issues identified in the IT Strategic Plan was to bring the Library onto the City's network in conjunction with the wireless upgrade. The proposed upgrade will connect City Hall with the Fire Department District 1 and 2, Public Works and the Library and will improve overall connectivity and speed to all facilities. The specifications were prepared by City staff, Sarpy County IT and JNFS Engineering. The following schedule is proposed:

Advertisement of Bids	May 9, 2012
Bidders Meeting and Walk through	May 15, 2012 9:00 a.m.
Bid deadline	May 21, 2012 10:00 a.m.
Award Contract (tentative)	June 5, 2012

A copy of the detailed specifications is available in the office of the City Clerk.

RESOLUTION NO. _____

A RESOLUTION OF THE MAYOR AND CITY COUNCIL OF THE CITY OF LA VISTA, NEBRASKA AUTHORIZING THE ADVERTISEMENT FOR BIDS TO UPGRADE THE WIRELESS SYSTEM SERVING CITY FACILITIES.

WHEREAS, the City Council has determined that the upgrade of the wireless system serving the city facilities is necessary, and

WHEREAS, the FY 11/12 General Fund will provide funding for said project, and

WHEREAS, the connection of the Library to the City's network and upgrades to the wireless system for connection to other city facilities was brought forward in the IT (Information Technology) Strategic Plan.

NOW, THEREFORE BE IT RESOLVED, that the Mayor and City Council do hereby authorize the IT Committee to advertise for bids to upgrade the wireless system serving city facilities.

Advertisement of Bids	May 9, 2012
Bidders Meeting and Walk through	May 15, 2012 9:00 a.m.
Bid deadline	May 21, 2012 10:00 a.m.
Award Contract (tentative)	June 5, 2012

PASSED AND APPROVED THIS 1ST DAY OF MAY, 2012

CITY OF LA VISTA

Douglas Kindig, Mayor

ATTEST:

Pamela A. Bueth, CMC
City Clerk

CITY OF LA VISTA

REQUEST FOR BID

ON: UPGRADE TO WIRELESS SYSTEM SERVING CITY FACILITIES

NOT AN ORDER

From: City of La Vista
City Clerk
8116 Park View Blvd.
La Vista, Nebraska 68128

Published: May 9, 2012

BIDDERS MEETING AND WALK
THROUGH: May 15, 2012 9:00 a.m.
La Vista City Hall
8116 Park View Blvd.

BID DEADLINE:
May 21, 2012 at 10:00 a.m.
La Vista City Hall
8116 Park View Blvd.

(Contract Award Tentatively Scheduled for June 5, 2012)

IMPORTANT

1. Any discount quoted will be deducted from the price when bill is paid.
2. The owner reserves the right to reject any or all bids, and to waive informalities or irregularities in the bidding, and to negotiate contract terms with the various bidders when such is deemed by the owner to be in its best interest. The right is also reserved to accept or reject any part of bid unless otherwise indicated by vendor.
3. Instructions, manufacturer's catalog numbers, etc., where shown herein are for descriptive purposes to guide the bidder in interpreting the standard, quality, design, and performance desired and shall not be construed to exclude proposals based on furnishing other types of materials.
4. Any substitutions must equal or surpass the specifications. When submitting a substitute article as equal, full name and description must be given, the City reserving the right, however, of deciding upon its suitability for the purpose intended.
5. All shipping and delivery charges shall be noted on the proposal.
6. Prices quoted shall not be subject to increase during the entire term of the contract. However, should there be a reduction in the price of any one or more items covered by the contract, during the period of the contract, the price to the City of La Vista shall be reduced to equal the revised list price less the discount herein quoted.
7. The City shall have the right to inspect any material or services specified herein. Equipment, supplies or services that fail to comply with the specification herein as regards to design, material, or workmanship are subject to rejection at the option of the City. Any materials rejected shall be removed from the premises of the City of La Vista at the expense of the vendor.

8. Each bidder shall submit all necessary catalogs, descriptive literature, etc. needed to describe fully the material he proposed to furnish.
9. Any bidder's exceptions to those terms and conditions or deviations from the written specifications shall be shown in writing. However, such exceptions may be cause for rejection of the bid.
10. All prices and notations must be in ink or typewritten. Mistakes may be crossed out, and corrections typed adjacent and must be initialed in ink by person signing the proposal.
11. No bid may be withdrawn after the scheduled closing time for receipt of bids for at least sixty (60) days.
12. Bids must be submitted on the forms provided in a sealed envelope plainly marked "**SEALED BID**" with material description, date and time of closing written thereon. All bid proposals must be signed with the firm name and by an authorized officer or employee of the company.
13. Questions should be directed to Pam Buethe, City Clerk, at 402-331-4343 or by e-mail to pbuethe@cityoflavista.org at least three (3) working days before quotation is submitted. As required by State Law, neither the vendor nor his subcontractors shall discriminate against any employee or applicant for employment, to be employed in the performance of this contract, with respect to their hire, tenure, terms, conditions, or privileges of employment or because of their race, color, religion, sex, disability, or natural origin.

City of La Vista Nebraska

Wireless Upgrade

The City of La Vista Nebraska is accepting proposals for a new point to point wireless system.

The City will be utilizing The Verizon Tower located at 96th and Grandville as a center point for the Wireless system. The Facilities to be served will be;

Fire District 1,
8110 Park View Blvd. La vista Nebraska,

Fire District 2,
10727 Chandler Road

Public Works Facility,
9900 Portal Road

La Vista Public Library,
9110 Giles Road

All wireless dishes are aimed towards the Verizon Tower located at 96 & Grandville and are routed back to the District 1 Fire Station which is connected to City Hall via fiber.

A diagram will be provided.

The La Vista Library is the only building not presently served at this time. A tripod roof mounted tower will be provided.

All facilities shall be served with a 4.9 GHz. System, with the exception of the link between the Verizon Tower and the District 1 Fire Station. This link shall utilize a 23 GHz. System.

Each 4.9 GHz link must be capable of 100 to 200 Mbps throughput.

The 23GHz system must be capable of a minimum of 300 Mbps.

Vendors may quote the equipment, the installation or both.

Wireless Equipment 4/12/2012

Manufacturer	Model	Description	Qty
Proxim	952-00230	Tsunami GX800 Wireless Backhaul	1
		2-Year 24x7 ServPak Advance Replacement Warranty	1
RadWin	2049-011	4.9GHz Point to Point Wireless Link	6
		2 Year 24x7 Maintenance	6
RadWin	9921-2012	Power over Ethernet Injector	6
		2' High Performance Antenna (17.7-19.7GHz)	2
RadWin	9924-006	Surge Protectors	8

Installation; See Specifications attached.

ALLTEL TOWER 190' ALLTEL TOWER to lavista city hall

lavista city hall 120'
41.18732
096.03898

41.18320

096.06236

Link name	Product	Local antenna	Remote antenna	Max aggregate IP throughput (Mbps)
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ALLTEL TOWER
to lavista city hall
Tsunami®
GX800

Point link with
up to 622Mbps

Link Type Line-of Sight

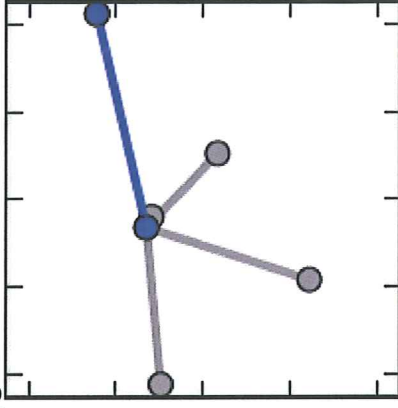
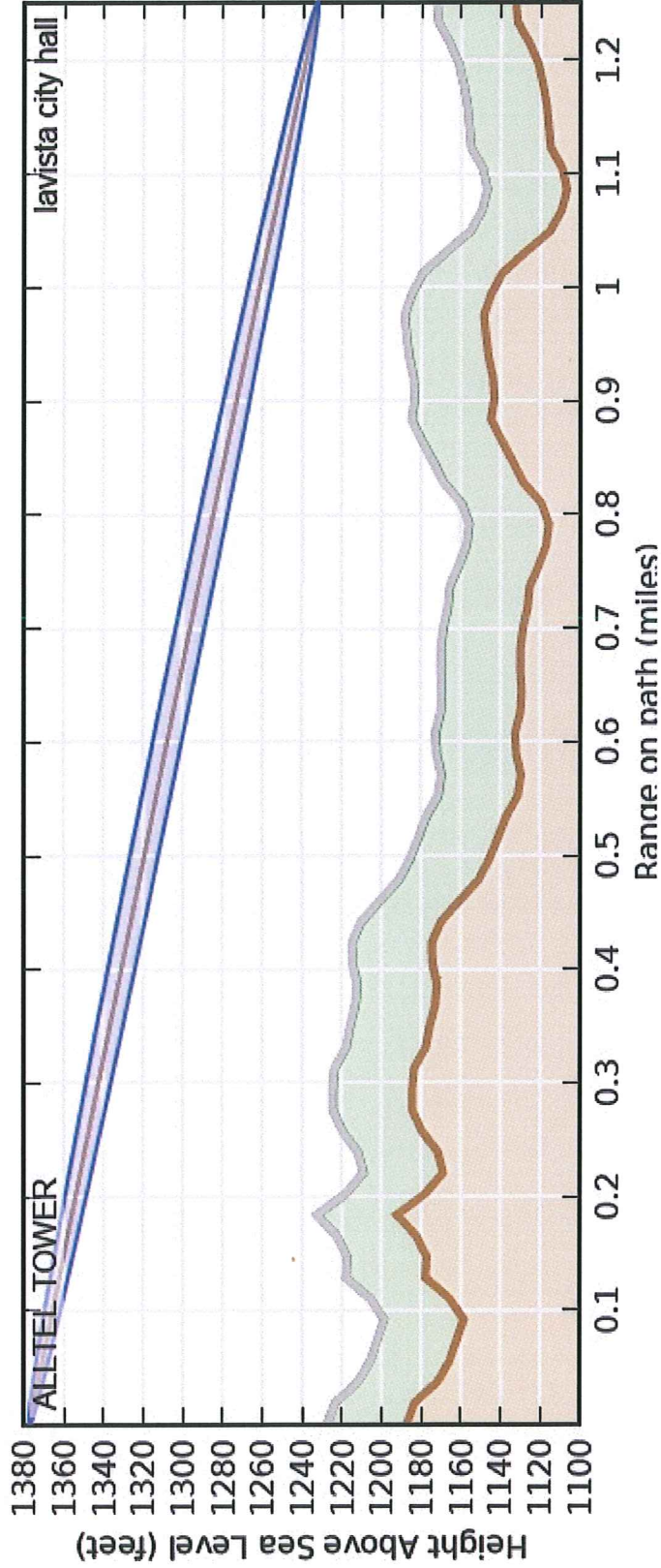
Link Length 1.252 mi.

Band 18 GHz

Regulation FCC

Annual Link Availability 100.00000 %

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ALLTEL TOWER 190'
ALLTEL TOWER to 9900 Portal Road
9900 Portal Road 60'

41.18320
41.16962

096.06236
096.06810

Link name	Product	Local antenna	Remote antenna	Max aggregate IP throughput (Mbps)
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ALLTEL TOWER to 9900 Portal Road
RADWIN 2000 C-Series for Public Safety
4.9Ghz

delivering up to 200 Mbps net aggregate throughput

Link Type Line-of-Sight

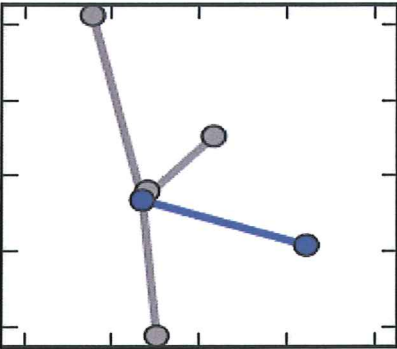
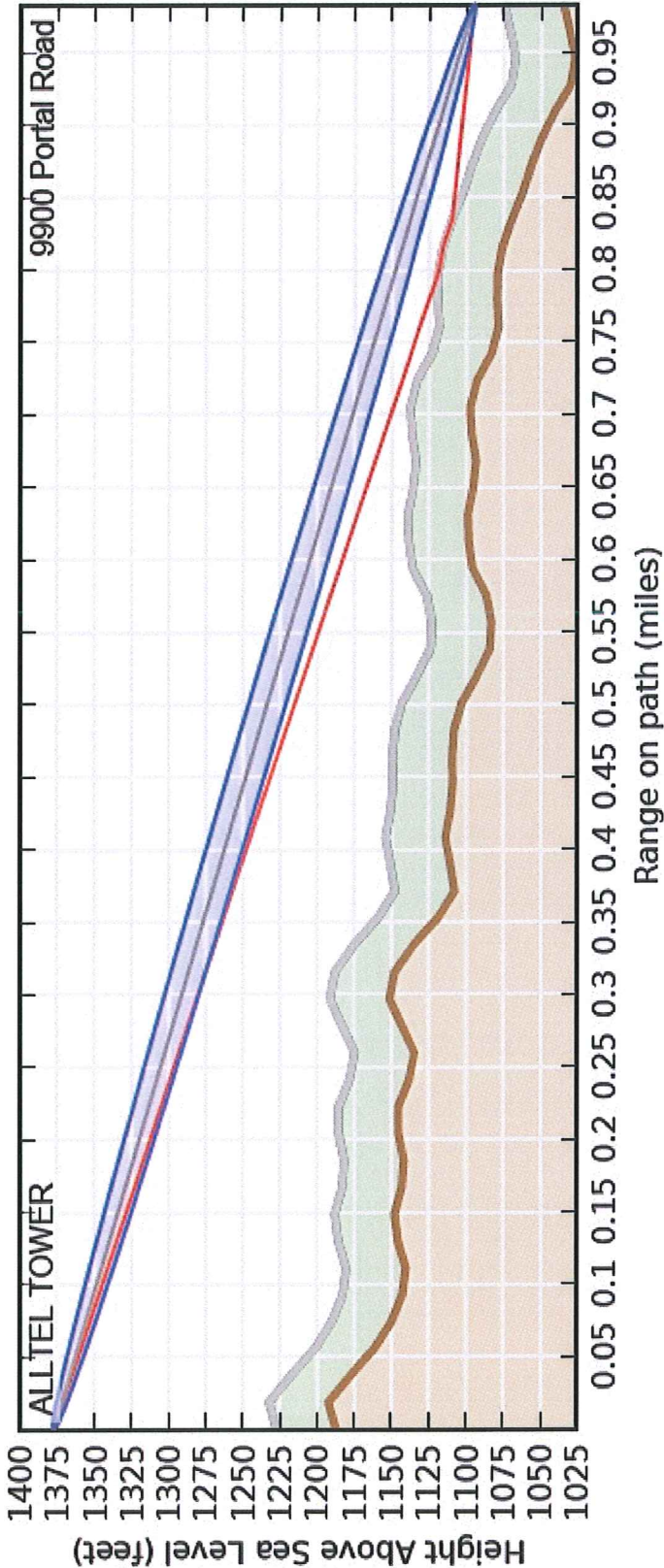
Link Length 0.983 mi.

Band 4.9 GHz

Regulation USA, Canada

Annual Link Availability 100.00000 %

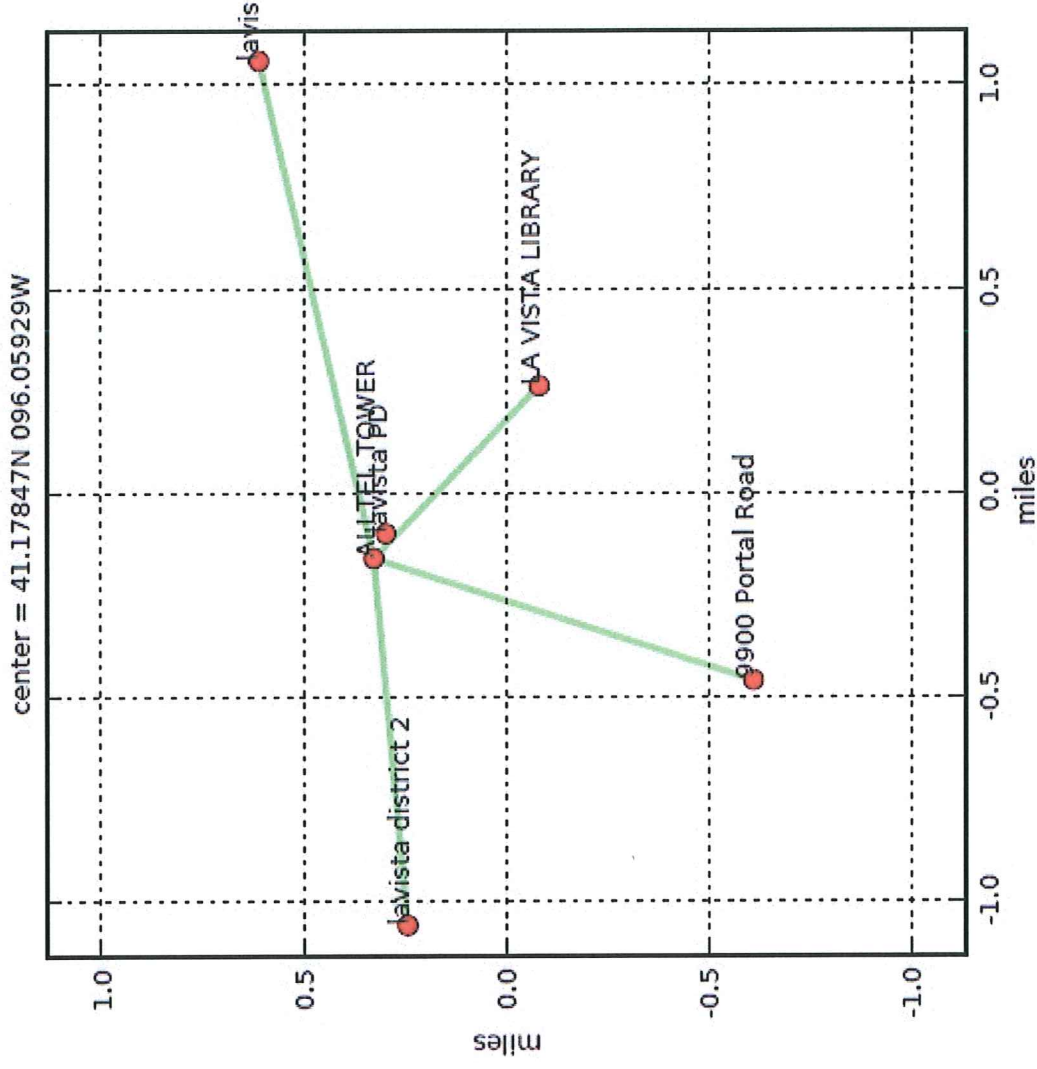
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Project LAVISTA WIRELESS LINK PROJECT

Proposal Report

10 March 2012



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ALLTEL TOWER 190'
ALLTEL TOWER to lavista district 2
41.18320
41.18199
096.06236
096.07960

lavista district 2 60'
41.18199
096.07960

Link name	Product	Local antenna	Remote antenna	Max aggregate IP throughput (Mbps)
ALLTEL TOWER to lavista district 2	RADWIN 2000 C-Series for Public Safety 4.9Ghz			

delivering up to 200 Mbps net aggregate throughput

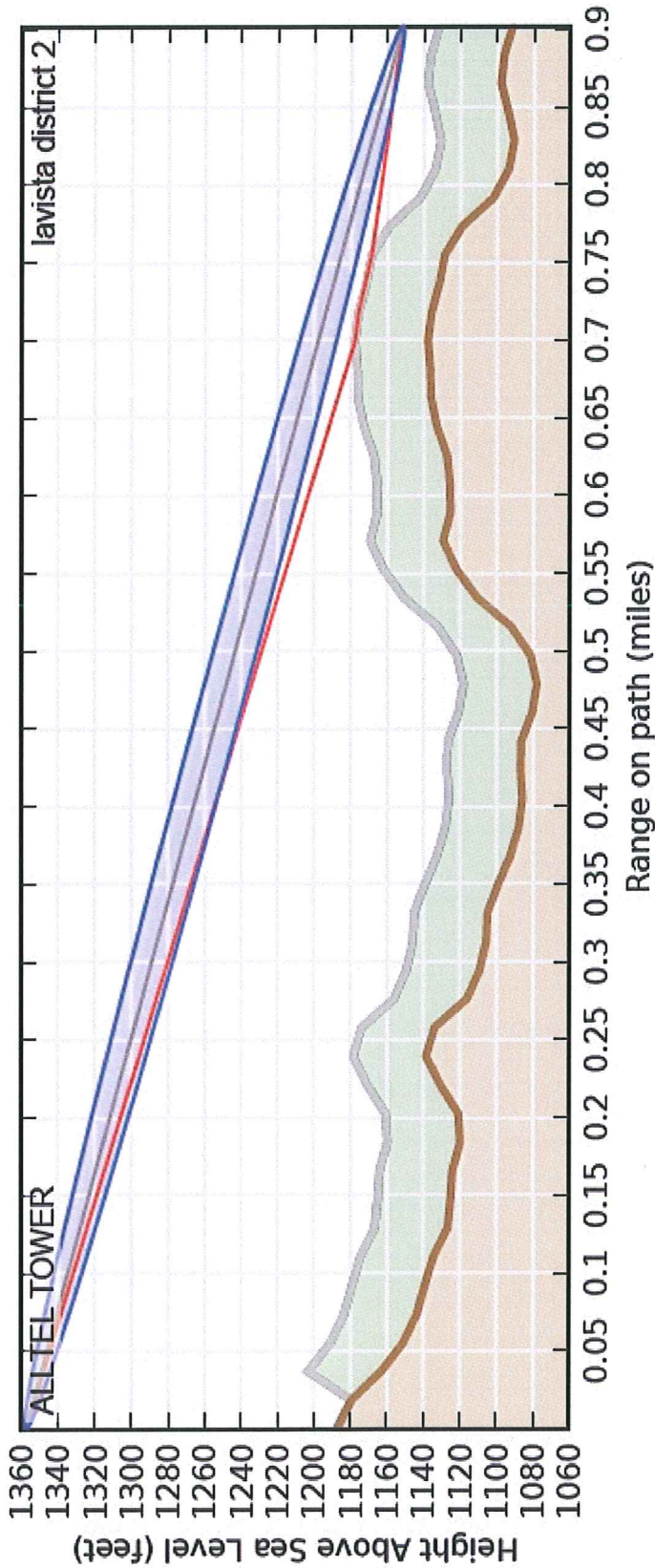
Link Type Line-of-Sight
Link Length 0.902 mi.

Band 4.9 GHz

Regulation USA, Canada

Annual Link Availability 100.00000 %

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ALLTEL TOWER 190'
ALLTEL TOWER to LA VISTA LIBRARY 25'

41.18320
41.17729

096.06236
096.05427

Link name	Product	Local antenna	Remote antenna	Max aggregate IP throughput (Mbps)
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ALLTEL TOWER
RADWIN 2000

to LA VISTA
C-Series for

LIBRARY
Public Safety

4.9Ghz
4.9Ghz

delivering up to 200 Mbps net aggregate throughput

Link Type Line-of-Sight

Link Length 0.587 mi.

Band 4.9 GHz

Regulation USA, Canada

Annual Link Availability 100.00000 %

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