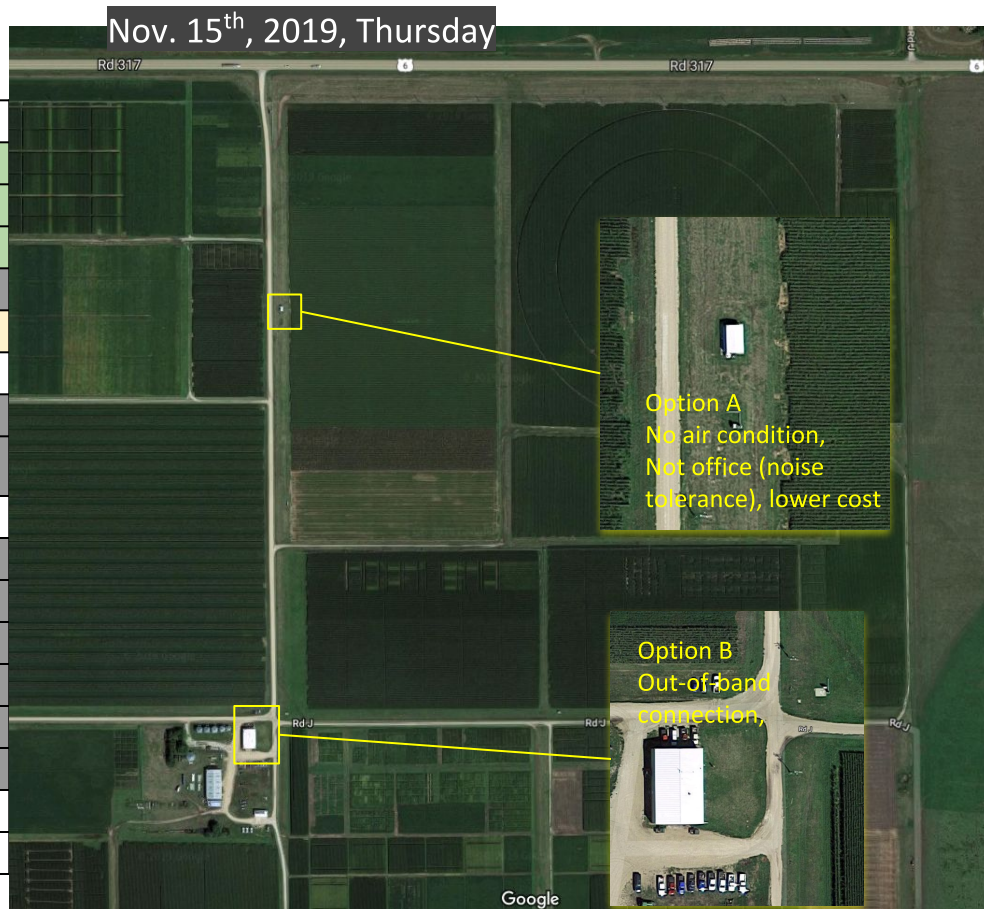


NEXTT Rural Broadband

CPN Lab, UNL

Site Map (w/ Status)

Deployment Procedure	OFH	WSEC	AH	AVTL	FIC	NEMA	SCAL	Hub	HCC
Site Planning & Selection	100	100	100	100	100	50	100	100	100
Site Investigation	100	100	100	100	100	0	100	100	100
Deployment Solution	100	100	100	100	100	0	50	100	100
Enclosure Design	100	100	100	100	100	0		—	—
Major Equipments	100	100	100	100	100	0	10	100	30
Materials & Supplies	100	100	100	90	100	0		100	20
Cable Conduit	100	100	100	97	100			—	—
Fiber and power Installation	100	100	100	50	100			90	—
Fiber 0	100	100	100	100	100			100	20
Fiber 1	100	100	100	100	100			100	—
Mgmt Port RJ45	100	80	100	100	100			10	—
Transceiver Installation	100	100	100	100	100			—	—
Antenna Installation	100	100	100	100	100			—	—
Connectivity Test	100	100	100	0	100			20	—
Site Test	100	100	100	0	100			10	—
Cyber Security	0	0	0	0	0			20	100
MISC	0	0	0	0	0			0	0



BOM

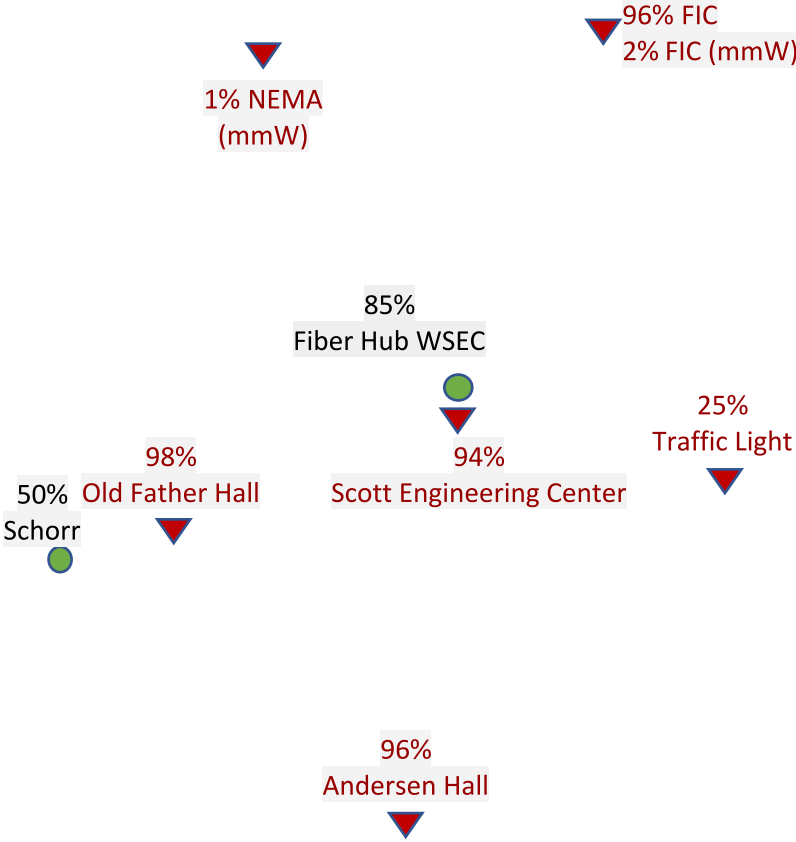
<https://docs.google.com/spreadsheets/d/1V-rXXyCXb0S7EUXsWcqWp9tAZKRCINgaOuJjomb1Jno/edit#gid=937741137>



Site Map (w/ Status)

Nov. 1st, 2019, Friday

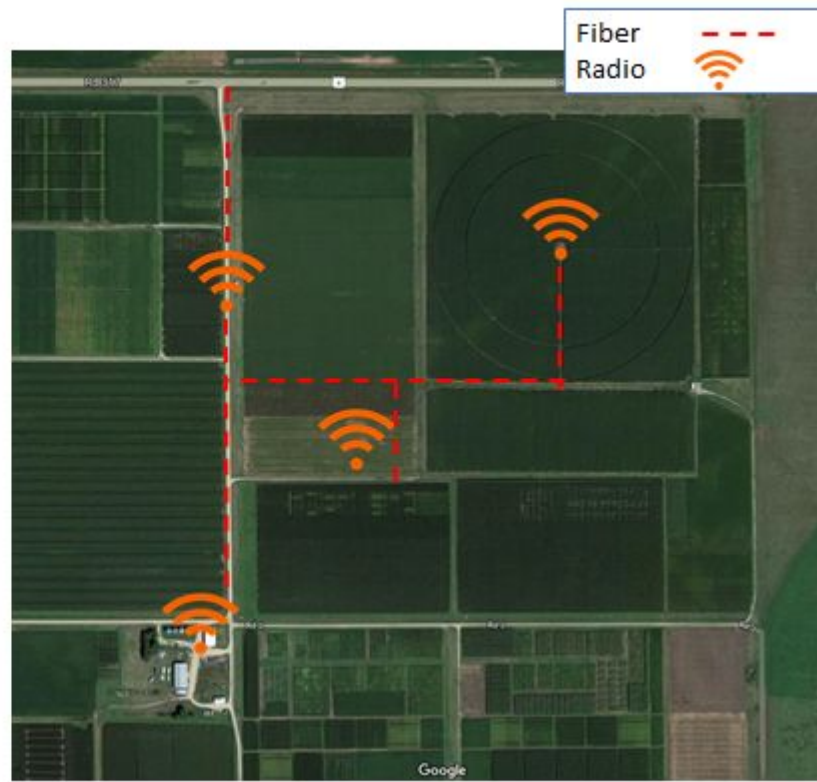
Deployment Procedure	SCAL							HCC
Site Planning & Selection	100%							100
Site Investigation								100
Deployment Solution								100
Enclosure Design								—
Major Equipments								30
Materials & Supplies								20
Cable Conduit								—
Fiber and power Installation								—
Fiber 0								20
Fiber 1								--
Mgmt Port RJ45								--
Transceiver Installation								—
Antenna Installation								—
Connectivity Test								—
Site Test								—
Cyber Security								100
MISC								0



Deployment Solution

NEXTT Architecture

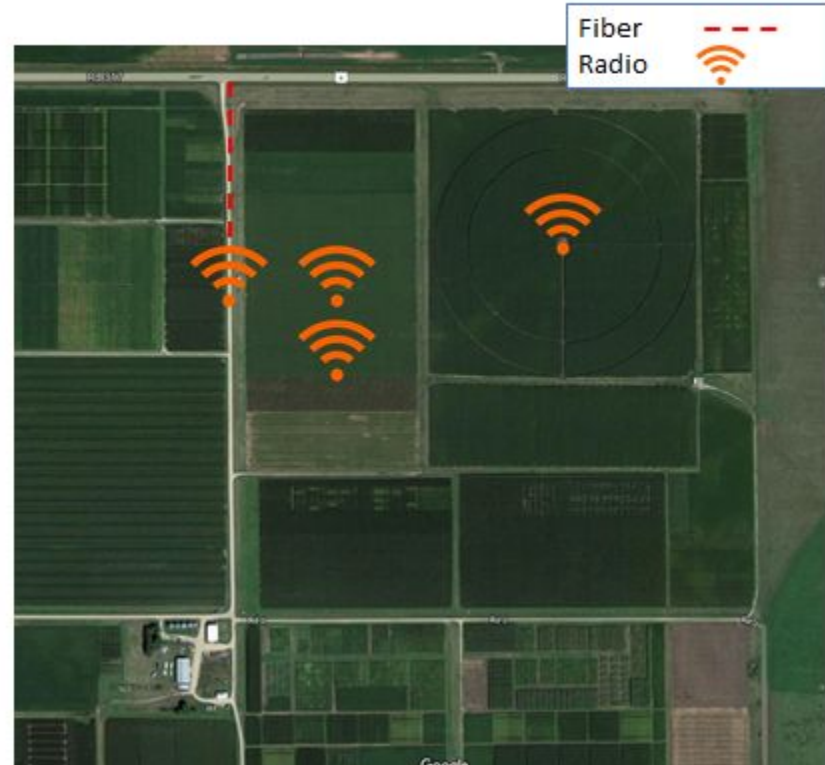
- Deployment Option 1
- With full fiber deployment
 - Fiber fronthaul



Deployment Solution

NEXTT Architecture

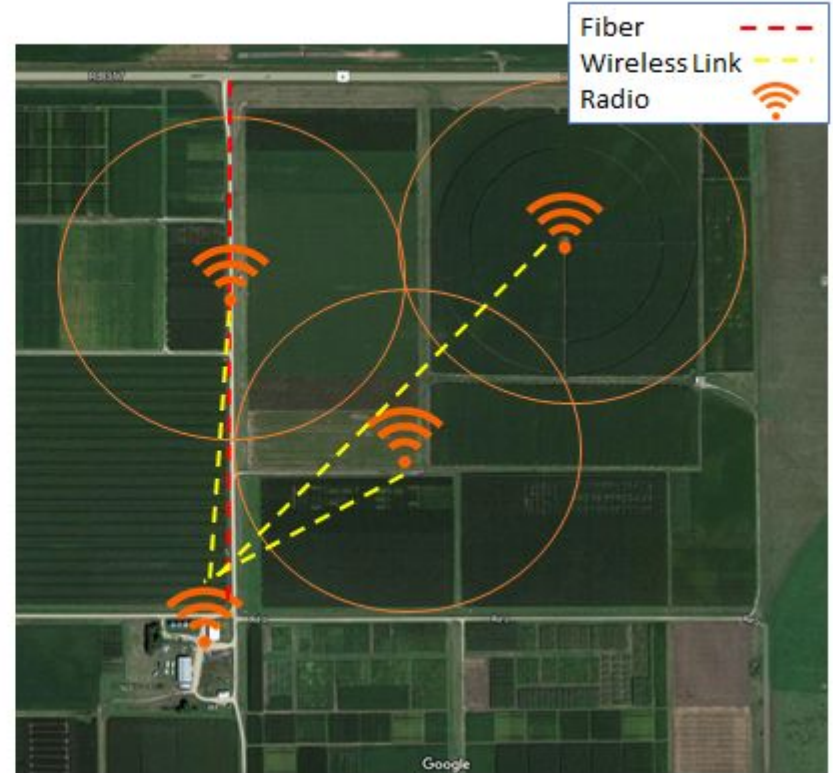
- Deployment Option 2
- Without full fiber deployment
 - Closely deployed radio units



Deployment Solution

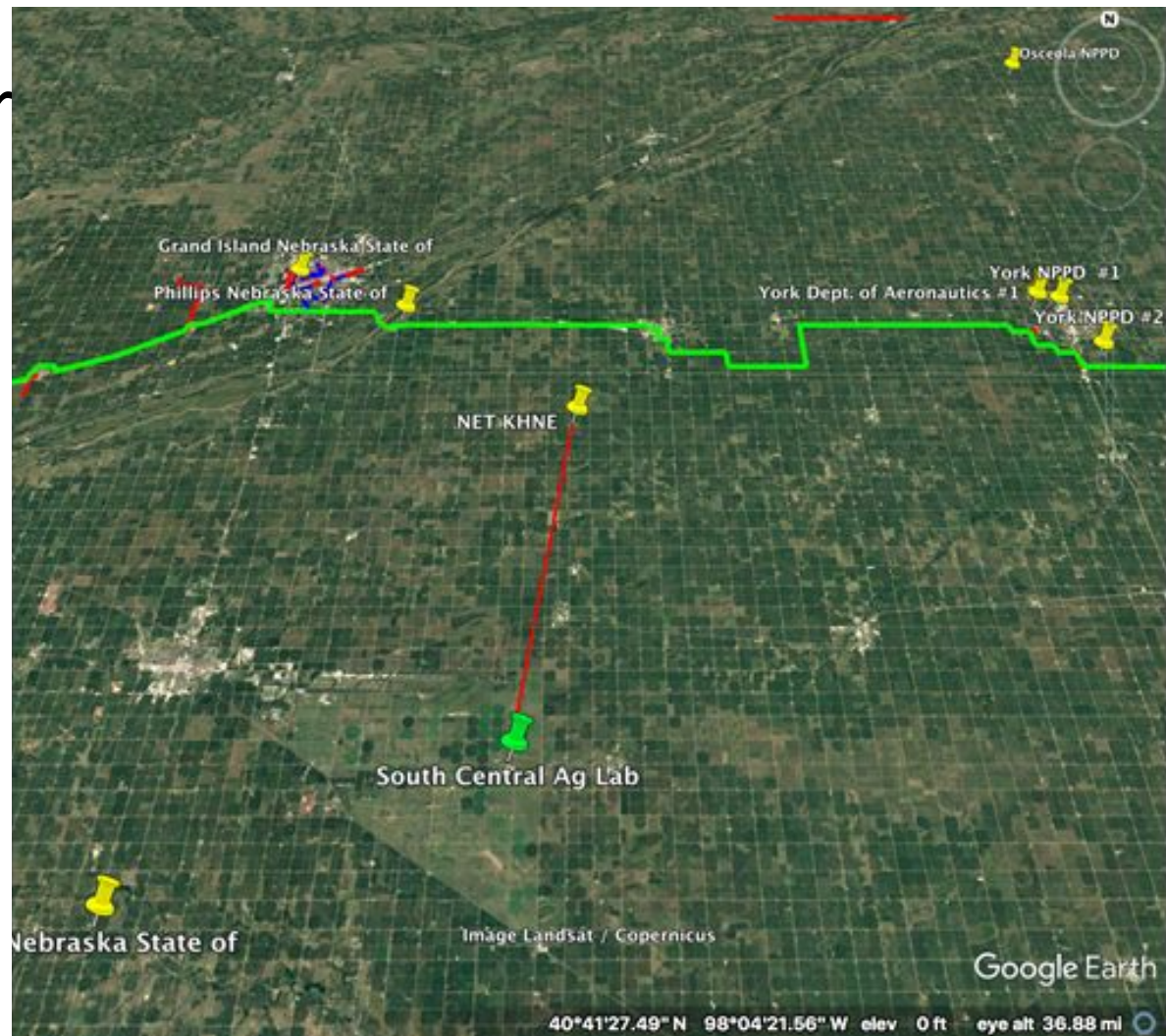
NEXTT Architecture

- Deployment Option 3
- Without full fiber deployment
 - Wireless fronthaul
 - Need to be discussed
 - Remote Access to Radio Unit

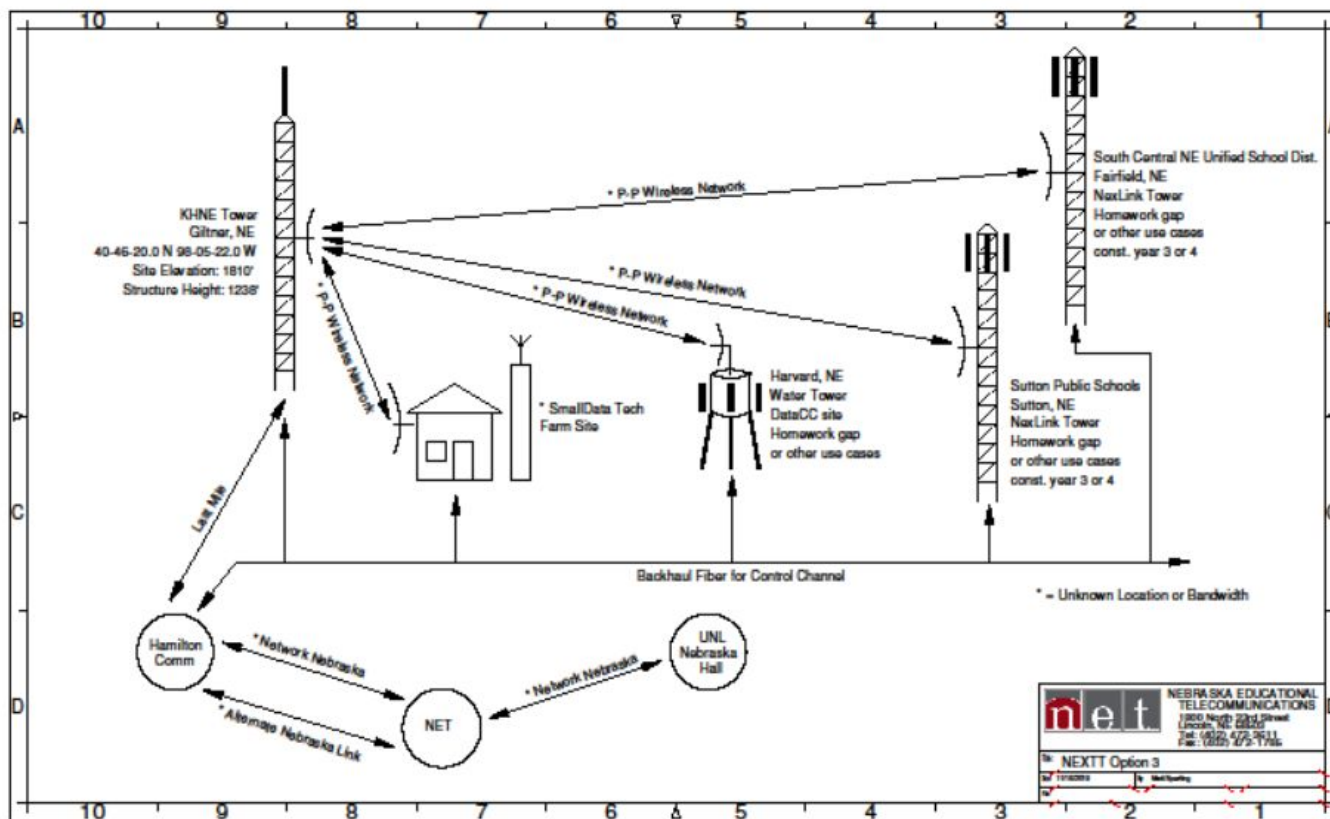




NET High Power High Tower



NET High Power High Tower



NEXTT Architecture

- Connectivity for People
 - Wi-Fi
 - LTE
 - mmWave
- Connectivity for Things
 - Low bandwidth things
 - LoRa
 - High bandwidth machines



DEMOS

1. Cellular
 - a. Equipment: Cellular Station
 - b. Freq Band: 2 GHz
 - c. Antenna:
2. Wi-Fi
 - a. Equipment: Outdoor WiFi Router
 - b. Freq Band: 2.4 GHz
 - c. Antenna:
3. V2I
 - a. Equipment: USRP B200
 - b. Freq Band: 5.8 GHz +
 - c. Antenna:
4. UG
 - a. Equipment: USRP B200-mini
 - b. Freq Band: 433/915 MHz
 - c. Antenna:
5. Streaming
 - a. Equipment: USRP B200-mini
 - b. Freq Band: 4 GHz
 - c. Antenna:



UG Deployment

