



**Air Force 550 Underground
Command Post
Communication System Project**

English translation is for reference only,
please refer to the original Chinese version for any discrepancies

[2005] Command Communication No.36

Confidential

PLA Air Force Command (Notice)

Issue to Air Force 550 & the Total 6 Underground Command Posts Communication and Command Control System Project Construction Plan

**Air Force of Nanjing and Guangzhou
Military Region, Command of the 15th
Airborne Army:**

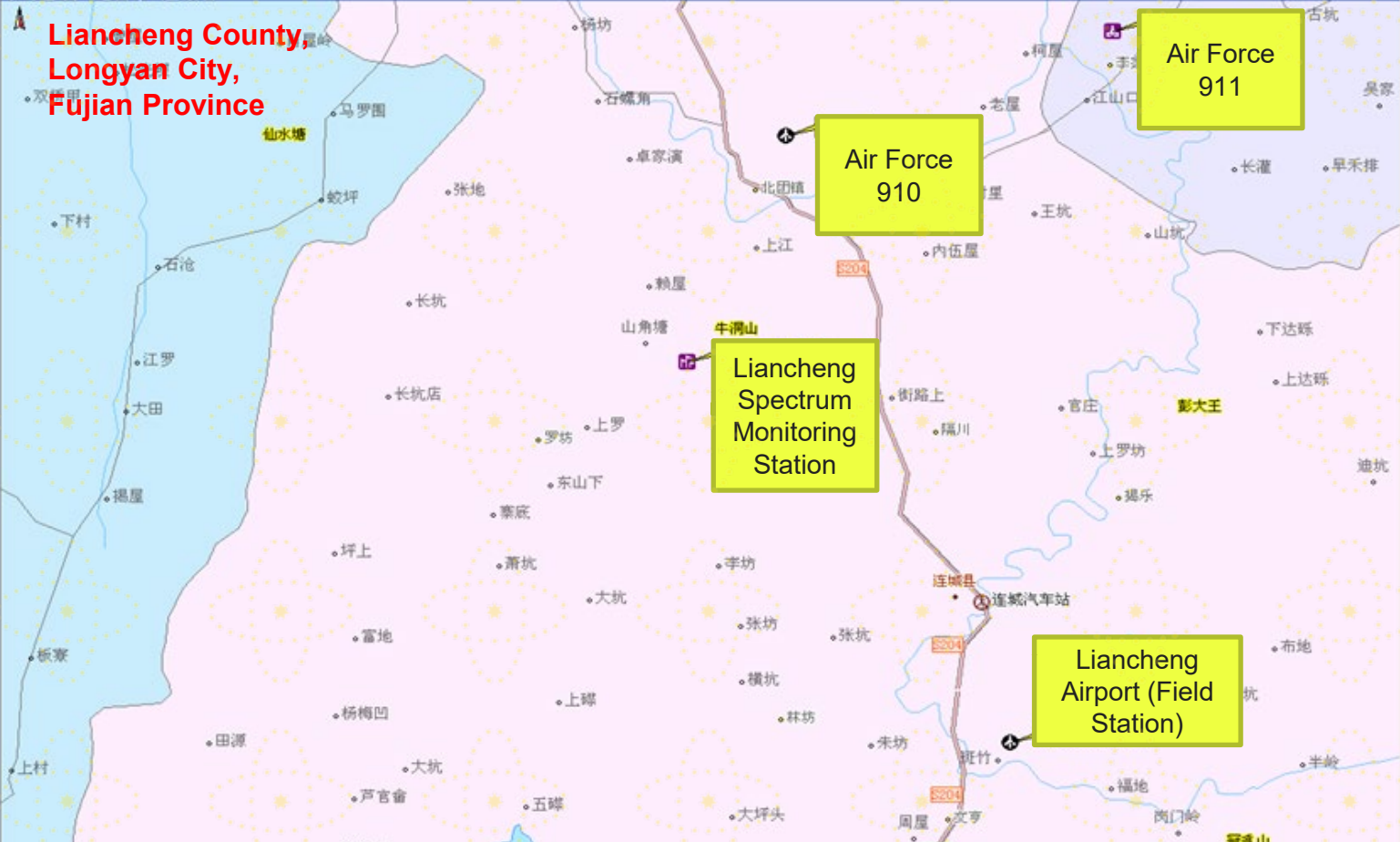
According to the General Staff Department [2004] General Staff Command No. 673 " Reply to the Command Post Communication and Command Control System Construction Project Design Task Report" approval requirements, the Air Force Command Post Communication and Command Control System Project Construction Plan is issued herewith.

Underground Command System

910 & 550 series, with the cavern and tunnel exit, depth, extension direction, etc., including the cement and steel bar grade, ventilation ducts, just like a grave that buries people alive



Liancheng County,
Longyan City,
Fujian Province



Liancheng
Airport (Field
Station)

Liancheng
Spectrum
Monitoring
Station

Air Force
910

Air Force
911

Intelligence Map



Gaode Map



Intelligence Map



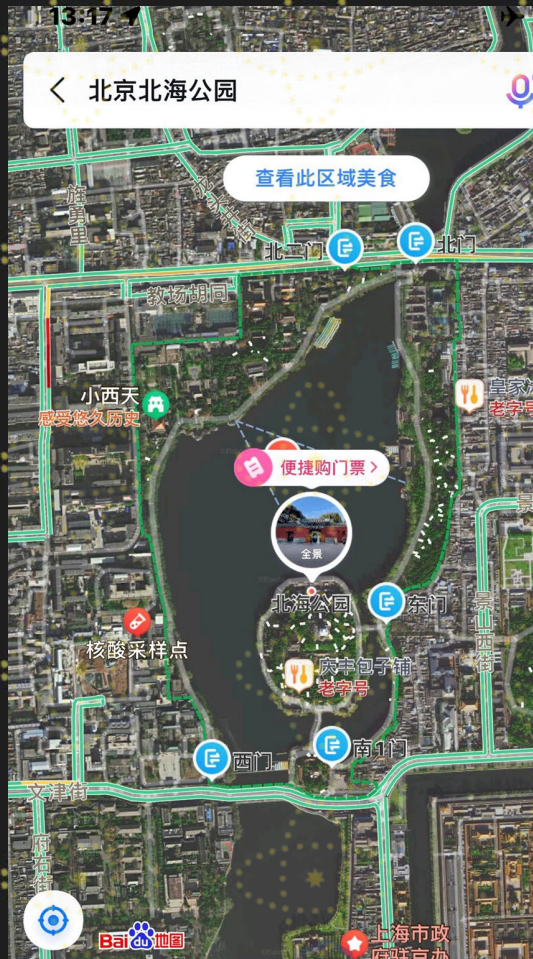
Google Map



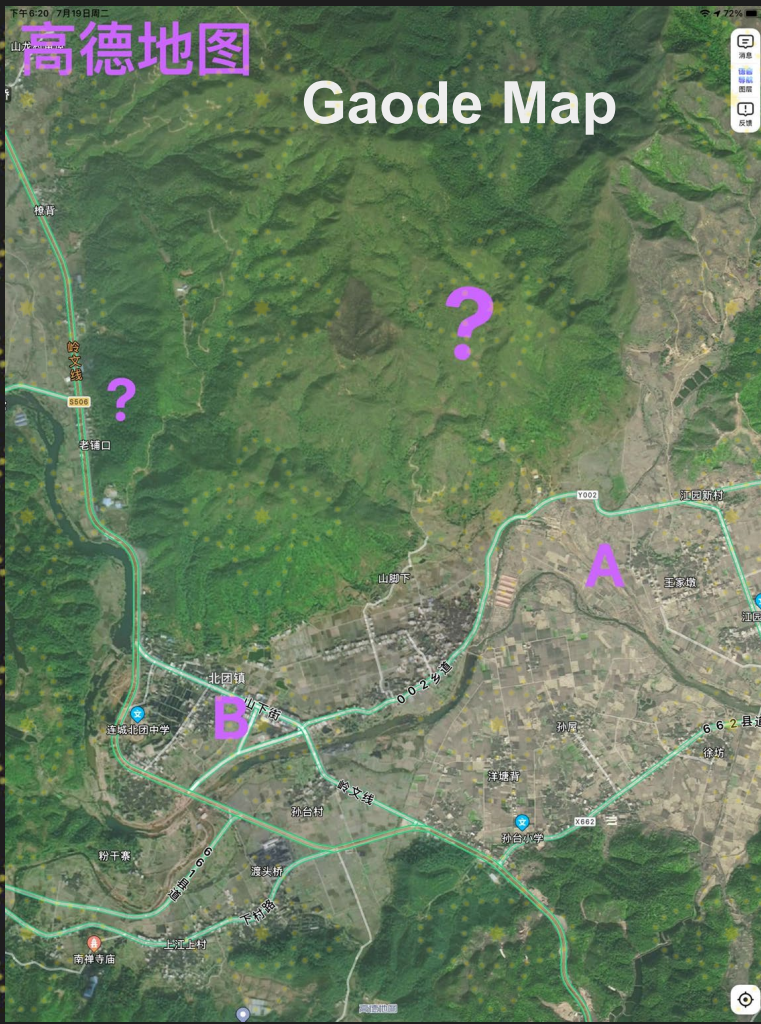
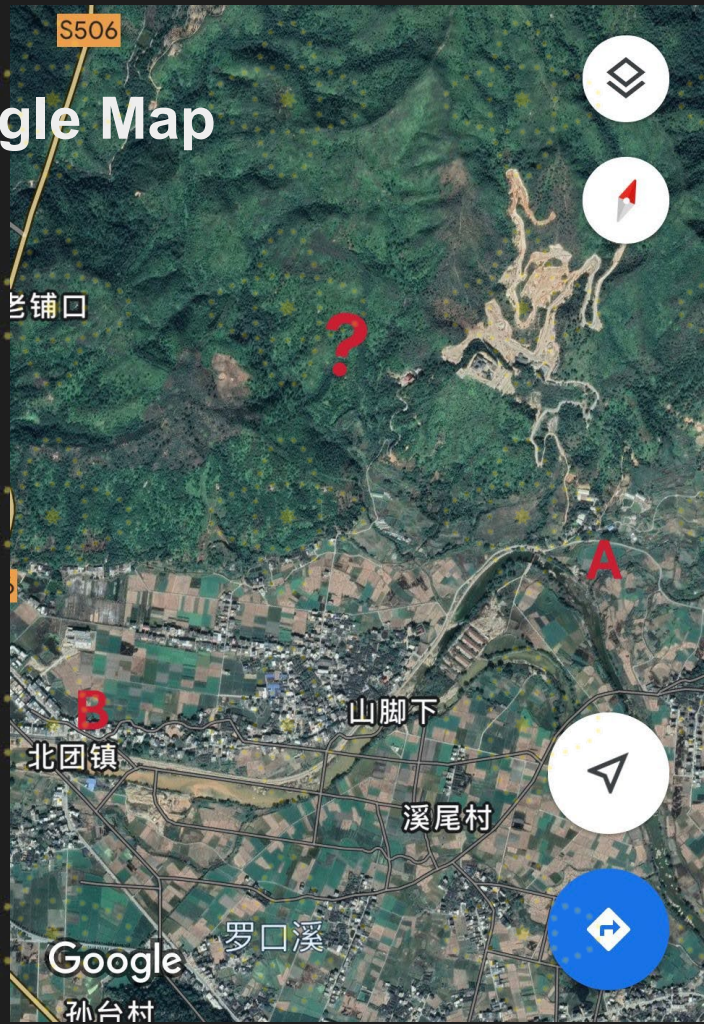
Google Map



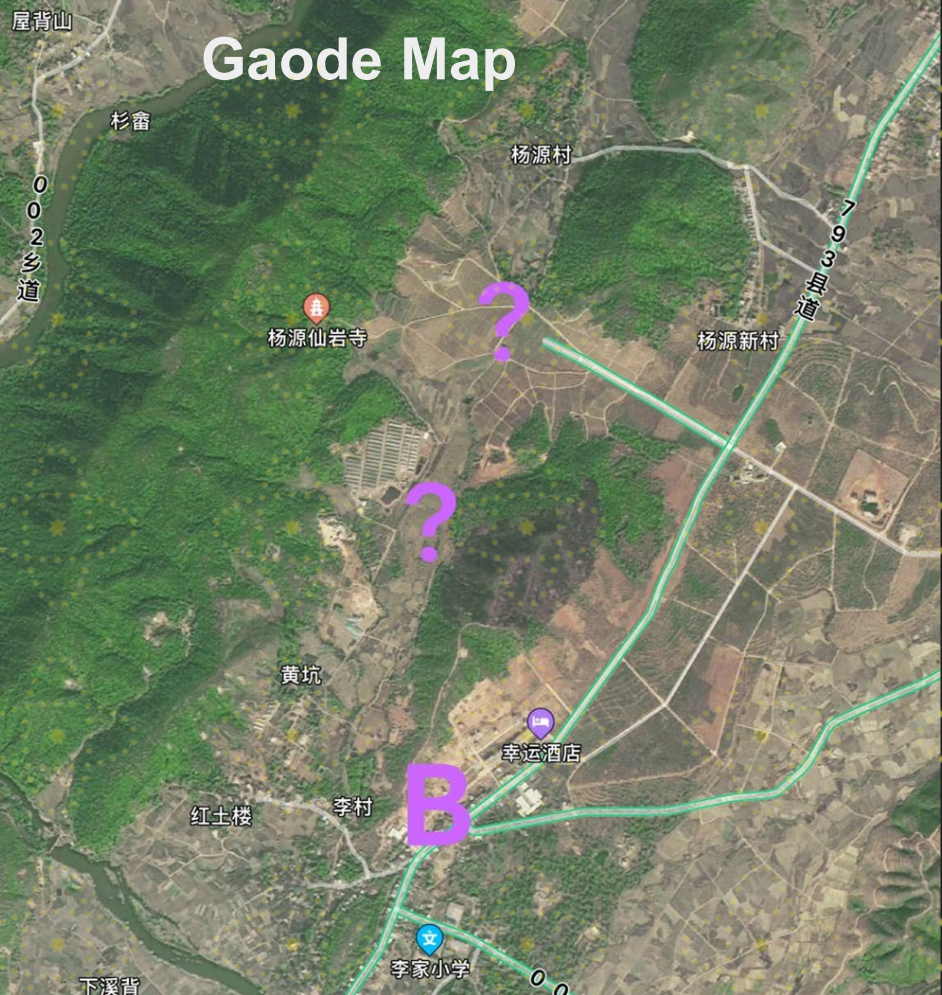
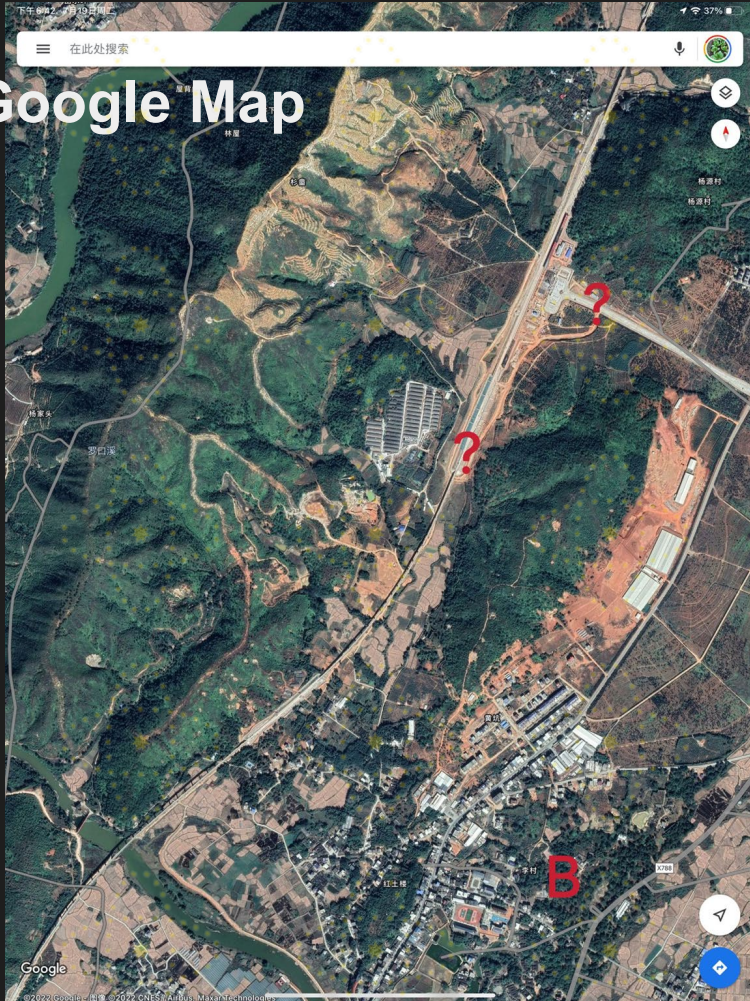
Baidu Map



Google Map



Google Map



Baidu Map

Google Map





Map search by keywords:

Liancheng Niudong Mountain

Shan She

Fujian Wubei Mountain

PLA Air Force 550 Underground Command Post
Communication System Project

Construction Drawings and Designs

Volume No. 9: Installation Project of Shortwave Radio Receiver

Stations and Transmitter Stations

Vol. 9-1: Overview

Design index: 0501S—ZH

Construction unit: Air Force Command Communications

Department

Design unit: Communication Engineering Design

Institute of Air Force Command

Communication Engineering Design Institute of Air Force

Command

November 2005

2. Design Plan

2.1 Project Overview

The 550 short-wave communication system consists of a centralized receiving station and a centralized sending station. The centralized receiving station is located in project No. 21, and the centralized sending station is located in project No. 1.

Project No. 21 is located in Wenquan Township, Haidian District, Beijing. There are 6 signal receiving rooms in the project, with a total area of 124.1 square meters. 120 receivers and terminals can be installed inside. For details, see "General Plan of Project No. 21".

Project No. 1 is located in Juli Village, Jiuduhe Town, Huairou District, Beijing. The project has 5 signal sending rooms with

- **Centralized receiving station is located at Project 21 : Wenquan Township, Haidian District, Beijing**
- **Centralized transmitting station is located at Project 1: Juli Village, Jiuduhe Town, Huairou District, Beijing**

Centralized receiving station is located at Project 21 :

Wenquan Township, Haidian District, Beijing



500 ft. scale

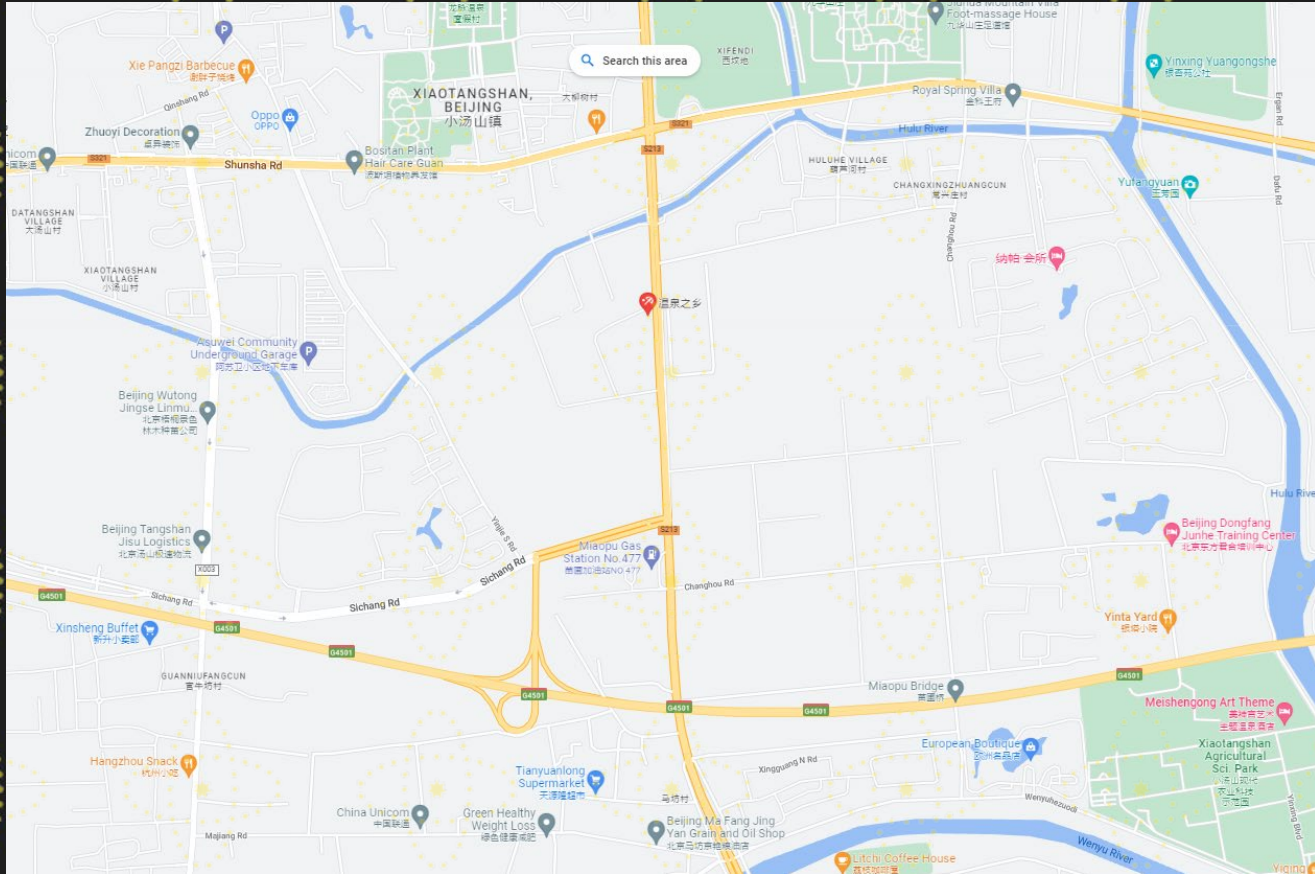
Centralized receiving station is located at Project 21 Wenquan Township, Haidian District, Beijing



20 ft. scale

Centralized receiving station is located at Project 21 :

Wenquan Township, Haidian District, Beijing



Centralized transmitting station is located at Project 1: Juli Village, Jiuduhe Town, Huairou District, Beijing



20 ft. scale

Attachment table 2

Main communication direction path geometry parameter table

Index	Communication target	East longitude		North latitude		Great-circle distance (km)	True azimuth		True Magnetic		Magnetic azimuth		Elevation angle (degree)
		Degree	Arcminute	Degree	Arcminute		Degree	Arcminute	Degree	Arcminute	Degree	Arcminute	
	550(21)	116	25	40	21								
1	Hetian	79	2	37	3	3272	275.00	55	3	17	279.00	12	3
2	Lhasa	91	10	29	40	2606	250.00	55	3	17	254.00	12	8
3	Urumqi	87	36	43	48	2427	288.00	45	3	17	292.00	2	9
4	Kunming	102	41	25	0	2152	221.00	50	3	17	225.00	7	11
5	Nanning	108	20	22	50	2103	204.00	44	3	17	208.00	1	12
6	Guangzhou	113	15	23	8	1943	190.00	56	3	17	194.00	13	13
7	Xingning	115	44	24	10	1802	183.00	29	3	17	185.00	46	15
8	Zhangzhou	117	40	24	32	1760	182.00	53	4	18	187.00	11	16
9	910	116	39	25	49	1616	180.00	32	4	18	184.00	50	36
10	Fuzhou	119	18	26	6	1601	189.00	4	4	18	193.00	22	49
11	Chengdu	104	5	30	39	1574	230.00	44	4	18	235.00	2	57
12	Dingxin	99	32	40	20	1461	275.00	32	4	18	279.00	50	65
13	113	115	30	29	4	1260	185.00	47	4	18	190.00	5	71
14	113	115	30	29	4	1260	185.00	47	4	18	190.00	5	71
15	Lanzhou	103	49	36	3	1229	251.00	16	4	18	255.00	34	76
16	Shanghai	121	29	31	14	1098	204.00	2	4	18	208.00	20	79
17	OTH-B Radar Brigade	112	0	32	0	1023	206.00	21	4	18	210.00	39	81
18	Nanjing	118	50	32	2	942	191.00	46	4	18	196.00	4	82
19	Shenyang	123	24	41	50	577	288.00	45	4	18	293.00	3	86
20	Jinan	117	0	36	40	410	182.00	30	4	18	186.00	48	87

Attachment table 5:

Cable length parameter table

Antenna Index	TunnelLenth (m)	Sectional cable length (m)			LCF3/8F	Ordered length	Cable attenuation		Cable weight			
		Well Length (m)	Outdoor length (m)	Antenna height (m)			Cable attenuation rate(db/100m)	Cable attenuation(db)	Weight/length (kg/m)	Well section(kg)	Outdoor section(kg)	Total weight(kg)
1	20	150	23	18	211	253.2	1.72	3.6	0.3	45	7	63
2	20	150	26	12	208	249.6	1.72	3.6	0.3	45	8	62
3	20	150	21	18	209	250.8	1.72	3.6	0.3	45	6	63
4	20	85	43	12	160	192	1.72	2.8	0.3	25.5	13	48
5	20	95	30	12	157	188.4	1.72	2.7	0.3	28.5	9	47
6	20	130	50	12	212	254.4	1.72	3.6	0.3	39	15	64
7	20	150	26	18	214	256.8	1.72	3.7	0.3	45	8	64
8	20	150	32	12	214	256.8	1.72	3.7	0.3	45	10	64
Total					1585							

550 Antenna Configuration Table

Antenna Index	Pole Index	Height Difference	Theoretical pole height	Actual pole height	Distance to ground	Pole		Antenna Connected Fort Index	Outdoor cable Length (m)		
						1m	3m				
1	1	9.5	18	18				2	96		
	2		9	9							
	3		18	8							
2	4	2.7	15	12				1	118		
	5		9	9							
	6		15	15							
3	6	6	15	15				1	154		
	7		9	9							
	8		15	9							
4	9	0	18	18				—□	100		
	10		9	9							
	11		18	18							
5	12	1.8	18	18				1	20		
	13		9	9							
	14		18	16							
6	15	10.8	18	18	18			2	136		
	16		9	9							
	17		18	16	7						
7	17	6.5	16	16	16			3	60		
	18		9	9							
	19		16	10	10						
8	20	5.9	15	15				3	168		
	21		9	8							
	22		15	9							
9	23	2.7	15	12				10	25		
	24		9	9							
	25		15	15							

550 Antenna Configuration Table

Antenna Index	Pole Index	Height Difference	Theoretical pole height	Actual pole height	Distance to ground	Pole		Antenna Connected Fort Index	Outdoor cable Length (m)		
						1m	3m				
10	26	0.5	15	15				3	108		
	27		9	9							
	28		15	15							
11	29	5.3	15	10				3	70		
	30		9	9							
	31		15	15							
12	32	2.8	15	15				3	15		
	33		9	9							
	34		15	12							
13	35										
	36										
	37										
14	38	6.4	15	9				3	71		
	39		9	9							
	40		15	15							
15	41	倒V1.5	12	12				3	46		
16	42	1	15	15	14			7	10		
	43		9	9							
	44		15	15							
17	45	7.4	15	8				7	40		
	46		9	9							
	42		15	15							
18	44	3.5	15	15				7	40		
	47		9	9							
	48		15	11							
19	48	9.2	18	11	9			7	74		
	49		9	9							
	50		18	18							

550 Antenna Configuration Table

Antenna Index	Pole Index	Height Difference	Theoretical pole height	Actual pole height	Distance to ground	Pole		Antenna Connected Fort Index	Outdoor cable Length (m)		
						1m	3m				
21	53	3.2	15	15				7	55		
	54		9	9							
	55		15	12							
22	51	9.3	18	9				7	100		
	56		9	9							
	57		18	18							
23	58	倒V	12	12				10	55		
24	59	倒V	12	12				11	30		
25	60	倒V	12	12				三口	55		
26	61	0	15	15	15			三口	120		
	62		9	9							
	63		15	15							
27	64	0	12	12				三口	36		
	65		9	9							
	66		12	12							
28	67	0	18	18				一口	148		
	68		9	9							
	69		18	18							
29								四口	100		
30								四口	65		

Project 910

Although the equipment in the document was built in 2007 and may have been updated, **the most important thing is the address and cable routing, which is long used and cannot be changed!**

The equipment is like the vehicle and the routing is the road. Vehicles might be updated, but once the road is built can not be changed, all vehicles must run on the road.

As long as you target the road to destroy, there won't be any vehicle left on the road.

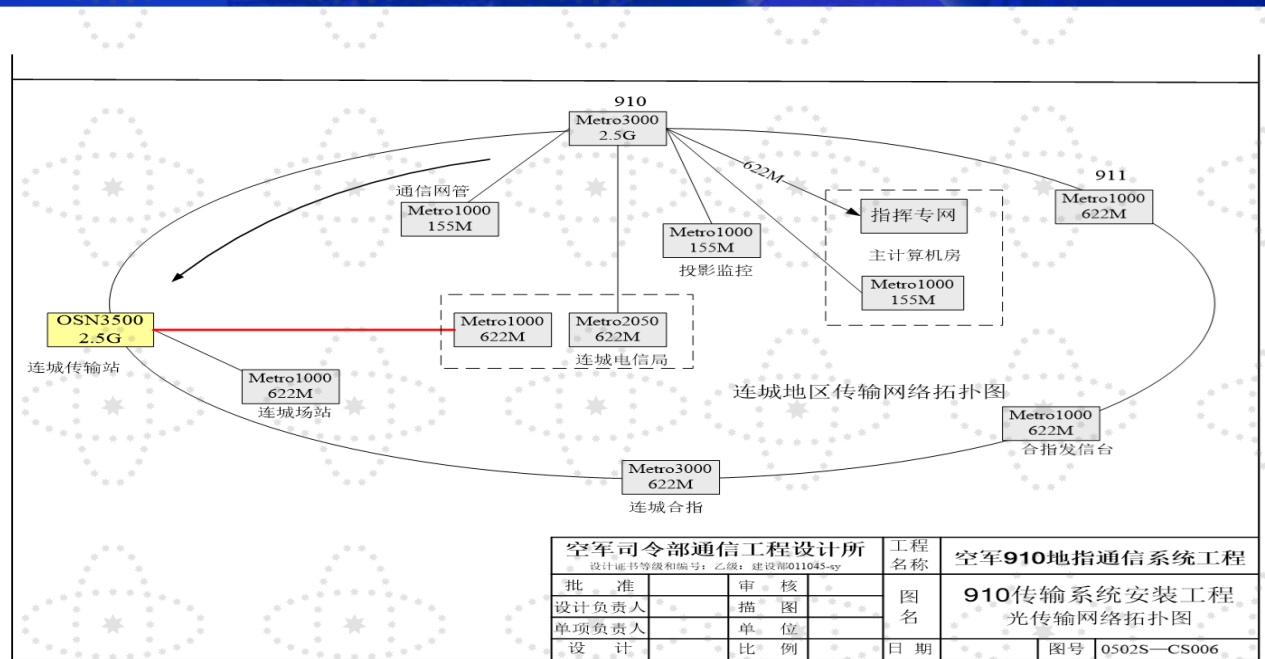
Knowing the exact address latitude, longitude and routing, you don't need to care what equipment it is now, just destroy it.

Transmission System Project Construction - Optical Transmission System



(一) 传输系统工程建设

光传输系统

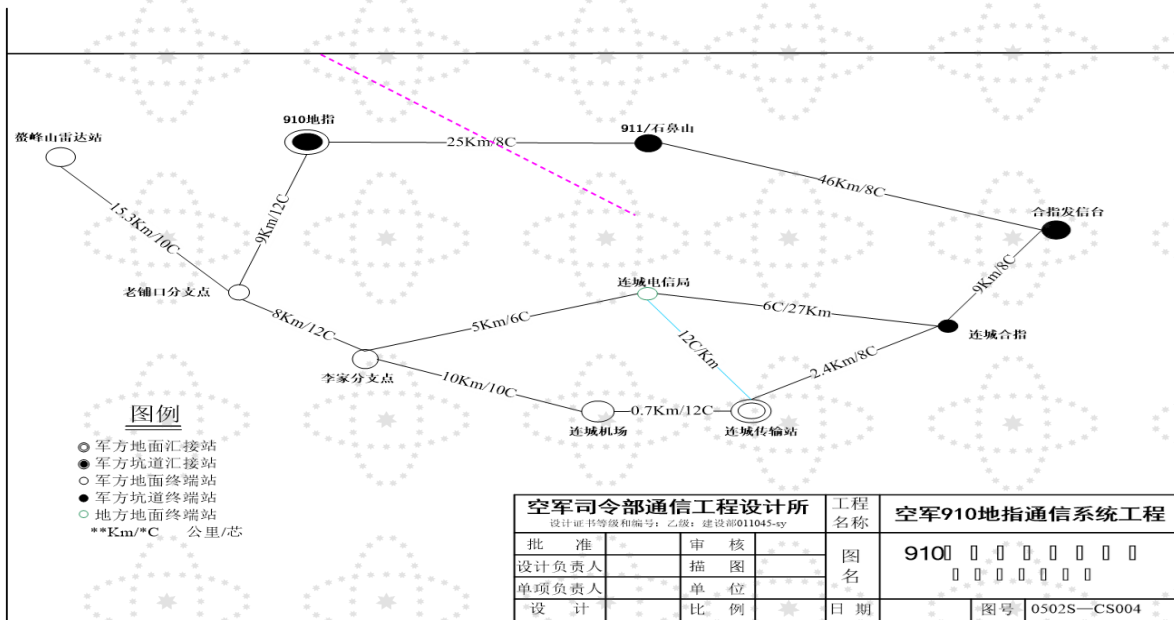


Transmission System Project Construction - Optical Transmission System



(一) 传输系统工程建设

光传输系统

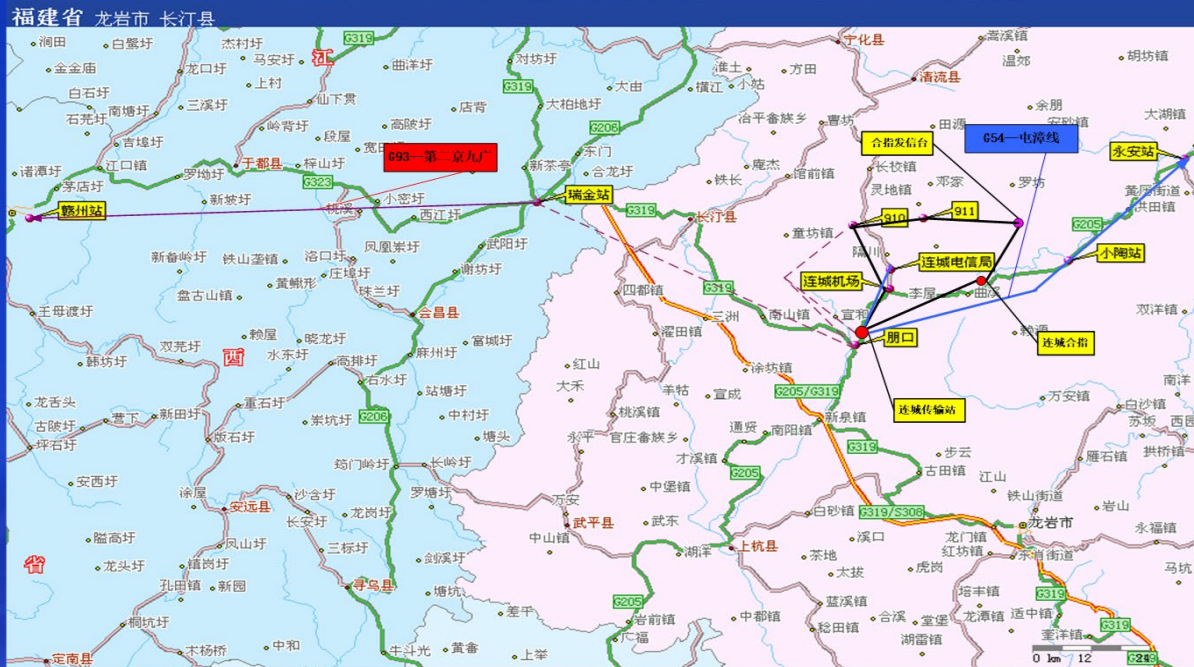


Transmission System Project Construction - Optical Transmission System



(一) 传输系统工程建设

光传输系统



Transmission System Project Construction - PCM Dedicated Line System



(一) 传输系统工程建设

PCM专线系统

