

## **INTERLOCAL CONTRACT BACKUP POWER AND COOLING SYSTEM FOR COMMUNICATION HUBS**

**THIS INTERLOCAL CONTRACT** is made and entered into this 12<sup>TH</sup> day of December 2024, by and between Clark County, a political subdivision; the City of Las Vegas, a municipal corporation; the City of North Las Vegas, a municipal corporation; the City of Henderson, a municipal corporation; the City of Boulder City, a municipal corporation; and the City of Mesquite, a municipal corporation; hereinafter referred to individually as “ENTITY” or collectively as “ENTITIES,” and the Regional Transportation Commission of Southern Nevada, hereinafter referred to as “RTC.” The RTC and the ENTITIES are hereinafter referred to individually as “PARTY” or collectively as “PARTIES.”

### **W I T N E S S E T H**

**WHEREAS**, the ENTITIES intends to commence the construction of Backup Power and Cooling System for Communication Hubs, hereinafter referred to as “PROJECT,” located partially within Clark County, City of Las Vegas, City of North Las Vegas, City of Henderson, City of Boulder City and City of Mesquite and

**WHEREAS**, Nevada Revised Statutes (NRS) Chapter 277.180 authorizes any one or more public agencies to contract with any one or more other public agencies to perform any governmental services, activity or undertaking which any of the public agencies entering into the agreement is authorized by law to perform and refers to such as an interlocal contract; and

**WHEREAS**, the ENTITIES agrees to conform to the current RTC Policies and Procedures, as amended and incorporated herein by reference; and

**WHEREAS**, the RTC will be the lead agency for the PROJECT; and

**NOW, THEREFORE**, in consideration of the covenants, conditions, agreements, and promises of the PARTIES hereto, the PARTIES agree to proceed as follows:

### **SECTION I: SCOPE OF PROJECT**

This Interlocal Contract applies to replacement of seven network connection hub facilities, and installation of standardized equipment for the Arterial Management System (AMS) communication hubs, specifically addressing operational issues relating to hub cooling and continuity of operations in the event of power failures. The PROJECT is further described in Exhibit “A” which is attached hereto and by this reference incorporated herein.

### **SECTION II: PROJECT COSTS**

The RTC agrees to provide funding for all costs associated with the PROJECT from the Regional Streets and Highways Fund outlined below:

1. The total cost for this contract shall not exceed \$3,250,000.00.
2. Authorizations to Proceed (ATP) are granted as follows:

- a. ENGINEERING not to exceed \$0.00
  - b. RIGHT-OF-WAY not to exceed \$0.00
  - c. CONSTRUCTION not to exceed \$3,250,000.00
3. At the time the ATP for construction is granted, the RTC will make all attempts to publish the bid for this PROJECT within 90 calendar days.
4. A supplemental interlocal contract will be required for any changes to the amounts identified in number 2 above.

### **SECTION III: GENERAL**

1. It is understood and agreed that the purpose of this Interlocal Contract is to fund the PROJECT as herein above set forth. It is further understood and agreed that the RTC is responsible for the design of the PROJECT. The RTC will be responsible for the actions or inactions of its Officers and Employees.
2. The PROJECT must be completed to satisfaction of the RTC prior to the current applicable completion date of December 31, 2029. The RTC may, at any time thereafter, grant time extensions or terminate this Contract.
3. The RTC disavows any responsibility for the actions or inactions of the ENTITIES, their Officers, Employees, or agents.

*The remainder of this page is left intentionally blank.*

**IN WITNESS WHEREOF**, this Interlocal Contract 3199 is effective as of the date first set forth above:

Date of Commission Action:

REGIONAL TRANSPORTATION COMMISSION

December 12, 2024

BY:

Signed by:

Justin Jones

134746B116DF44C...

RTC Chair

Attest

DocuSigned by:

Marin DuBois

67F25085C7F8458...

MARIN DUBOIS

Government Affairs Supervisor

Approved as to Form

DocuSigned by:

David Clyde

C20A409B0B774C0...

RTC Legal Counsel

Date of Council Action:

CLARK COUNTY BOARD OF COMMISSIONERS

BY:

TICK SEGERBLOM

Chair

Attest

LYNN MARIE GOYA

County Clerk

Approved as to Form

ASHLEY A. BALDUCCI

Deputy District Attorney

Date of Council Action:

CITY OF LAS VEGAS


BY: \_\_\_\_\_

SHELLEY BERKLEY  
Mayor

Attest

\_\_\_\_\_  
LUANN D. HOLMES, MMC  
City Clerk

Approved as to Form

  
\_\_\_\_\_  
Deputy City Attorney  
**Carmen B. Gilbert**  
Deputy City Attorney

12/30/24



Date of Council Action:

CITY OF NORTH LAS VEGAS

BY:

\_\_\_\_\_  
PAMELA A. GOYNES-BROWN  
Mayor

Attest

\_\_\_\_\_  
JACKIE RODGERS  
City Clerk

Approved as to Form

\_\_\_\_\_  
ANDY MOORE  
City Attorney

Date of Council Action:

CITY OF HENDERSON

BY:

\_\_\_\_\_  
RICHARD A. DERRICK  
City Manager/CEO

Approved as to Finance:

Attest

\_\_\_\_\_  
MARIA GAMBOA  
Director of Finance

\_\_\_\_\_  
JOSE LUIS VALDEZ, CMC  
City Clerk

Approved as to Content:

Approved as to Form

\_\_\_\_\_  
LANCE M. OLSON, P.E.  
Director of Public Works

\_\_\_\_\_  
NICHOLAS G. VASKOV  
City Attorney

Date of Council Action:

CITY OF BOULDER CITY

\_\_\_\_\_  
BY: \_\_\_\_\_  
JOE HARDY  
Mayor

Attest

\_\_\_\_\_  
TAMI MCKAY  
City Clerk

Approved as to Form

\_\_\_\_\_  
BRITTANY LEE WALKER, ESQ.  
City Attorney

Date of Council Action:

CITY OF MESQUITE

BY:

\_\_\_\_\_  
ALLAN S. LITMAN  
Mayor

Attest

\_\_\_\_\_  
JULIE GOODSSELL  
City Clerk

Approved as to Form

\_\_\_\_\_  
MICHAEL R. BRANUM  
City Attorney

### HUB 2 Engineer's Class 2 Estimate

Prepared By: Stantec Consulting Services Inc.  
August 28, 2024

ITEM	DESCRIPTION	UNIT	QUANTITY	LABOR	MATERIAL	UNIT PRICE	TOTAL
1	Pre-Fabricated Mini Hut	L.S.	1	\$ 61,000.00	\$ 148,000.00	\$ 209,000.00	\$ 209,000.00
2	Type 200 Vault	EACH	0	\$ 800.00	\$ 11,200.00	\$ 12,000.00	\$ -
3	Type 500 Vault	EACH	3	\$ 1,600.00	\$ 21,550.00	\$ 23,150.00	\$ 69,450.00
4	Type P30 Pullbox	EACH	0	\$ 600.00	\$ 3,800.00	\$ 4,400.00	\$ -
5	Type No.5 Pullbox	EACH	1	\$ 600.00	\$ 820.00	\$ 1,420.00	\$ 1,420.00
6	Trenching and Backfilling	L.F.	70	\$ 8.00	\$ 5.00	\$ 13.00	\$ 910.00
7	1" PVC-40 Conduit	L.F.	20	\$ 48.50	\$ 1.50	\$ 50.00	\$ 1,000.00
8	1-1/2" PVC-40 Conduit	L.F.	0	\$ 58.00	\$ 2.00	\$ 60.00	\$ -
9	2" PVC-40 Conduit	L.F.	90	\$ 67.50	\$ 2.50	\$ 70.00	\$ 6,300.00
10	4" PVC-40 Conduit	L.F.	90	\$ 82.00	\$ 4.00	\$ 86.00	\$ 7,740.00
11	#2 AWG Cable	L.F.	105	\$ 2.45	\$ 2.50	\$ 4.95	\$ 519.75
12	#1/0 AWG Cable	L.F.	0	\$ 2.50	\$ 3.50	\$ 6.00	\$ -
13	#2/0 AWG Cable	L.F.	0	\$ 2.50	\$ 4.00	\$ 6.50	\$ -
14	#8 GND Cable	L.F.	30	\$ 15.00	\$ 1.50	\$ 16.50	\$ 495.00
15	#6 GND Cable	L.F.	130	\$ 1.50	\$ 1.75	\$ 3.25	\$ 422.50
16	#3 GND Cable	L.F.	0	\$ 2.45	\$ 2.25	\$ 4.70	\$ -
17	144/s Fiber Optic Cable	L.F.	3,500	\$ 6.25	\$ 3.45	\$ 9.70	\$ 33,950.00
18	Bollards	EACH	7	\$ 1,000.00	\$ 750.00	\$ 1,750.00	\$ 12,250.00
19	Demolition	L.S.	1	\$ 5,000.00		\$ 5,000.00	\$ 5,000.00
20	Intercept existing conduit to Pedestal	EACH	1	\$ 4,015.00		\$ 4,015.00	\$ 4,015.00
21	Bush removal	EACH	1	\$ 500.00		\$ 500.00	\$ 500.00
22	Landscape Restoration	S.F.	23	\$ 13.50		\$ 13.50	\$ 310.50
23						\$ -	\$ -
24						\$ -	\$ -
TOTAL \$							353,282.75

### HUB 2 Engineer's Prefab Backup Data

Prepared By: Stantec Consulting Services Inc.  
August 28, 2024

ITEM	DESCRIPTION	UNIT	QUANTITY	LABOR	MATERIAL	UNIT PRICE	TOTAL
1	Pre-Fabricated Mini hut	L.S.	1	\$ 20,000.00	\$ 95,000.00	\$ 115,000.00	\$ 115,000.00
2	Type 200 Vault	EACH	0	\$ 800.00	\$ 11,200.00	\$ 12,000.00	\$ -
3	Type 500 Vault	EACH	0	\$ 1,600.00	\$ 21,550.00	\$ 23,150.00	\$ -
4	Type P30 Pullbox	EACH	0	\$ 600.00	\$ 820.00	\$ 1,420.00	\$ -
5	Trenching and Backfilling	L.F.	0	\$ 8.00	\$ -	\$ 8.00	\$ -
6	1" PVC-40 Conduit	L.F.	0	\$ 48.50	\$ 1.50	\$ 50.00	\$ -
7	1-1/2" PVC-40 Conduit	L.F.	0	\$ 58.00	\$ 2.00	\$ 60.00	\$ -
8	2" PVC-40 Conduit	L.F.	0	\$ 67.50	\$ 2.50	\$ 70.00	\$ -
9	4" PVC-40 Conduit	L.F.	0	\$ 82.00	\$ 3.50	\$ 85.50	\$ -
10	1/2" EMT	L.F.	100	\$ 12.50	\$ 2.50	\$ 15.00	\$ 1,500.00
11	#12 AWG Cable	L.F.	300	\$ 1.00	\$ 1.00	\$ 2.00	\$ 600.00
12	#2 AWG Cable	L.F.	0	\$ 2.45	\$ 2.50	\$ 4.95	\$ -
13	#1/0 AWG Cable	L.F.	0	\$ 2.50	\$ 3.50	\$ 6.00	\$ -
14	#2/0 AWG Cable	L.F.	0	\$ 2.50	\$ 4.00	\$ 6.50	\$ -
15	#12 GND Cable	L.F.	100	\$ 1.00	\$ 1.00	\$ 2.00	\$ 200.00
16	#8 GND Cable	L.F.	0	\$ 1.50	\$ 1.50	\$ 3.00	\$ -
17	#6 GND Cable	L.F.	0	\$ 1.50	\$ 1.75	\$ 3.25	\$ -
18	#3 GND Cable	L.F.	0	\$ 2.45	\$ 2.25	\$ 4.70	\$ -
19	57,400cmil Bare Cable (Ground Ring)	L.F.	150	\$ 2.25	\$ 3.00	\$ 5.25	\$ 787.50
20	Ground rod	EACH	4	\$ 100.00	\$ 50.00	\$ 150.00	\$ 600.00
21	Site Grading	C.Y.	18	\$ 135.00	\$ -	\$ 135.00	\$ 2,430.00
22	Sidewalk	S.F.	50	\$ 15.00	\$ 8.00	\$ 23.00	\$ 1,150.00
23	Concrete Foundation	C.Y.	7	\$ 450.00	\$ 400.00	\$ 850.00	\$ 5,950.00
24	CCTV camera fixed	EACH	1	\$ 400.00	\$ 800.00	\$ 1,200.00	\$ 1,200.00
25	CCTV Camera quad	EACH	2	\$ 400.00	\$ 3,000.00	\$ 3,400.00	\$ 6,800.00
26	HVAC	EACH	2	\$ 800.00	\$ 5,500.00	\$ 6,300.00	\$ 12,600.00
27	Cable Tray ( including accessories)	EACH	1	\$ 1,600.00	\$ 2,500.00	\$ 4,100.00	\$ 4,100.00
28	Access Control System	EACH	1	\$ 1,200.00	\$ 5,000.00	\$ 6,200.00	\$ 6,200.00
29	Automatic Temperature Control Panel	EACH	1	\$ 1,200.00	\$ 1,000.00	\$ 2,200.00	\$ 2,200.00
30	Electrical Panel	EACH	1	\$ 1,600.00	\$ 1,000.00	\$ 2,600.00	\$ 2,600.00
31	Generator Tap Box	EACH	1	\$ 100.00	\$ 400.00	\$ 500.00	\$ 500.00
32	Manual Transfer Switch	EACH	1	\$ 800.00	\$ 400.00	\$ 1,200.00	\$ 1,200.00
33	Lights	EACH	4	\$ 100.00	\$ 50.00	\$ 150.00	\$ 600.00
34	Receptacles	EACH	4	\$ 100.00	\$ 25.00	\$ 125.00	\$ 500.00
35	Ground Bus Bar	EACH	1	\$ 100.00	\$ 300.00	\$ 400.00	\$ 400.00
36	Communication Racks	EACH	3	\$ 800.00	\$ 1,500.00	\$ 2,300.00	\$ 6,900.00
37	UPS (No EBM)	EACH	2	\$ 800.00	\$ 2,500.00	\$ 3,300.00	\$ 6,600.00
38	Patch Panel	EACH	2	\$ 1,200.00	\$ 3,500.00	\$ 4,700.00	\$ 9,400.00
39	Relocate Network Switches	EACH	3	\$ 2,500.00	\$ -	\$ 2,500.00	\$ 7,500.00
40	144/s Fiber Optic Cable	L.F.	50	\$ 6.25	\$ 3.45	\$ 9.70	\$ 485.00
41	NVR	EACH	1	\$ 1,500.00	\$ 800.00	\$ 2,300.00	\$ 2,300.00
42	Lightning Protection	EACH	1	\$ 3,000.00	\$ 2,000.00	\$ 5,000.00	\$ 5,000.00
43	Transportation	EACH	1	\$ 3,000.00		\$ 3,000.00	\$ 3,000.00
SUBTOTAL		\$	60,830.00	\$	147,672.50		
SAY (ROUNDED)		\$	61,000.00	\$	148,000.00	SAY \$	209,000.00

**HUB 3 Engineer's Class 2 Estimate**

Prepared By: Stantec Consulting Services Inc.  
August 28, 2024

ITEM	DESCRIPTION	UNIT	QUANTITY	LABOR	MATERIAL	UNIT PRICE	TOTAL
1	Pre-Fabricated Mini Hut	L.S.	1	\$ 68,000.00	\$ 148,000.00	\$ 216,000.00	\$ 216,000.00
2	Type 200 Vault	EACH	1	\$ 800.00	\$ 11,200.00	\$ 12,000.00	\$ 12,000.00
3	Type 500 Vault	EACH	1	\$ 1,600.00	\$ 21,550.00	\$ 23,150.00	\$ 23,150.00
4	Type P30 Pullbox	EACH	1	\$ 600.00	\$ 3,800.00	\$ 4,400.00	\$ 4,400.00
5	Type No.5 Pullbox	EACH	1	\$ 600.00	\$ 820.00	\$ 1,420.00	\$ 1,420.00
6	Trenching and Backfilling	L.F.	260	\$ 8.00	\$ 5.00	\$ 13.00	\$ 3,380.00
7	Asphalt patching	S.Y.	288	\$ 37.00	\$ 6.00	\$ 43.00	\$ 12,384.00
8	Asphalt removal/cutting	S.Y.	288	\$ 30.00	-	\$ 30.00	\$ 8,640.00
9	Concrete sidewalk/pavement patching	S.Y.	65	\$ 200.00	\$ 8.00	\$ 208.00	\$ 13,520.00
10	Concrete sidewalk/pavement removal	S.F.	597	\$ 9.50	-	\$ 9.50	\$ 5,671.50
11	1" PVC-40 Conduit	L.F.	20	\$ 48.50	\$ 1.50	\$ 50.00	\$ 1,000.00
12	1-1/2" PVC-40 Conduit	L.F.	0	\$ 58.00	\$ 2.00	\$ 60.00	\$ -
13	2" PVC-40 Conduit	L.F.	700	\$ 67.50	\$ 2.50	\$ 70.00	\$ 49,000.00
14	4" PVC-40 Conduit	L.F.	100	\$ 82.00	\$ 3.50	\$ 85.50	\$ 8,550.00
15	#2 AWG Cable	L.F.	0	\$ 2.45	\$ 2.50	\$ 4.95	\$ -
16	#1/0 AWG Cable	L.F.	0	\$ 2.50	\$ 3.50	\$ 6.00	\$ -
17	#2/0 AWG Cable	L.F.	1050	\$ 2.50	\$ 4.00	\$ 6.50	\$ 6,825.00
18	#8 GND Cable	L.F.	0	\$ 1.50	\$ 1.50	\$ 3.00	\$ -
19	#6 GND Cable	L.F.	0	\$ 1.50	\$ 1.75	\$ 3.25	\$ -
20	#3 GND Cable	L.F.	350	\$ 2.45	\$ 2.25	\$ 4.70	\$ 1,645.00
21	144/s Fiber Optic Cable	L.F.	600	\$ 6.25	\$ 3.45	\$ 9.70	\$ 5,820.00
22	Uncoil, Pull and Terminate Existing Fiber	L.F.	500	\$ 6.25	-	\$ 6.25	\$ 3,125.00
23	Bollards	EACH	12	\$ 1,000.00	\$ 750.00	\$ 1,750.00	\$ 21,000.00
24	Landscape Demolition	S.F.	300	\$ 5.05	-	\$ 5.05	\$ 1,515.00
25	Landscape restoration	S.F.	300	\$ 13.50	-	\$ 13.50	\$ 4,050.00
26	Demolition	L.S.	1	\$ 5,000.00	-	\$ 5,000.00	\$ 5,000.00
54						\$ -	\$ -
TOTAL							\$ 408,095.50

**HUB 3 Engineer's Prefab Backup Data**

Prepared By: Stantec Consulting Services Inc.  
August 28, 2024

ITEM	DESCRIPTION	UNIT	QUANTITY	LABOR	MATERIAL	UNIT PRICE	TOTAL
1	Pre-Fabricated Mini hut	L.S.	1	\$ 20,000.00	\$ 95,000.00	\$ 115,000.00	\$ 115,000.00
2	Type 200 Vault	EACH	0	\$ 800.00	\$ 11,200.00	\$ 12,000.00	\$ -
3	Type 500 Vault	EACH	0	\$ 1,600.00	\$ 21,550.00	\$ 23,150.00	\$ -
4	Type P30 Pullbox	EACH	0	\$ 600.00	\$ 3,800.00	\$ 4,400.00	\$ -
5	Trenching and Backfilling	L.F.	0	\$ 8.00	\$ -	\$ 8.00	\$ -
6	1" PVC-40 Conduit	L.F.	0	\$ 48.50	\$ 1.50	\$ 50.00	\$ -
7	1-1/2" PVC-40 Conduit	L.F.	0	\$ 58.00	\$ 2.00	\$ 60.00	\$ -
8	2" PVC-40 Conduit	L.F.	0	\$ 67.50	\$ 2.50	\$ 70.00	\$ -
9	4" PVC-40 Conduit	L.F.	0	\$ 82.00	\$ 4.00	\$ 86.00	\$ -
10	1/2" EMT	L.F.	100	\$ 12.50	\$ 2.50	\$ 15.00	\$ 1,500.00
11	#12 AWG Cable	L.F.	300	\$ 1.00	\$ 1.00	\$ 2.00	\$ 600.00
12	#2 AWG Cable	L.F.	0	\$ 2.45	\$ 2.50	\$ 4.95	\$ -
13	#1/0 AWG Cable	L.F.	0	\$ 2.50	\$ 3.50	\$ 6.00	\$ -
14	#2/0 AWG Cable	L.F.	0	\$ 2.50	\$ 4.00	\$ 6.50	\$ -
15	#12 GND Cable	L.F.	100	\$ 1.00	\$ 1.00	\$ 2.00	\$ 200.00
16	#8 GND Cable	L.F.	0	\$ 1.50	\$ 1.50	\$ 3.00	\$ -
17	#6 GND Cable	L.F.	0	\$ 1.50	\$ 1.75	\$ 3.25	\$ -
18	#3 GND Cable	L.F.	0	\$ 2.45	\$ 2.25	\$ 4.70	\$ -
19	57,400cmil Bare Cable (Ground Ring)	L.F.	150	\$ 2.25	\$ 3.00	\$ 5.25	\$ 787.50
20	Ground rod	EACH	4	\$ 100.00	\$ 50.00	\$ 150.00	\$ 600.00
21	Chainlink Fence	L.F.	0	\$ 55.00	\$ 40.00	\$ 95.00	\$ -
22	8' Sliding Gate	EACH	0	\$ 400.00	\$ 800.00	\$ 1,200.00	\$ -
23	Site Grading	C.Y.	32	\$ 135.00	\$ -	\$ 135.00	\$ 4,320.00
24	Sidewalk	S.F.	50	\$ 15.00	\$ 8.00	\$ 23.00	\$ 1,150.00
25	Concrete Foundation	C.Y.	7	\$ 450.00	\$ 400.00	\$ 850.00	\$ 5,950.00
26	CCTV camera fixed	EACH	1	\$ 400.00	\$ 800.00	\$ 1,200.00	\$ 1,200.00
27	CCTV Camera quad	EACH	2	\$ 400.00	\$ 3,000.00	\$ 3,400.00	\$ 6,800.00
28	HVAC	EACH	2	\$ 800.00	\$ 5,500.00	\$ 6,300.00	\$ 12,600.00
29	Cable Tray ( including accessories)	EACH	1	\$ 1,600.00	\$ 2,500.00	\$ 4,100.00	\$ 4,100.00
30	Access Control System	EACH	1	\$ 1,200.00	\$ 5,000.00	\$ 6,200.00	\$ 6,200.00
31	Automatic Temperature Control Panel	EACH	1	\$ 1,200.00	\$ 1,000.00	\$ 2,200.00	\$ 2,200.00
32	Electrical Panel	EACH	1	\$ 1,600.00	\$ 1,000.00	\$ 2,600.00	\$ 2,600.00
33	Generator Tap Box	EACH	1	\$ 100.00	\$ 400.00	\$ 500.00	\$ 500.00
34	Manual Transfer Switch	EACH	1	\$ 800.00	\$ 400.00	\$ 1,200.00	\$ 1,200.00
35	Lights	EACH	4	\$ 100.00	\$ 50.00	\$ 150.00	\$ 600.00
36	Receptacles	EACH	4	\$ 100.00	\$ 25.00	\$ 125.00	\$ 500.00
37	Ground Bus Bar	EACH	1	\$ 100.00	\$ 300.00	\$ 400.00	\$ 400.00
38	Communication Racks	EACH	3	\$ 800.00	\$ 1,500.00	\$ 2,300.00	\$ 6,900.00
39	UPS (No EBM)	EACH	2	\$ 800.00	\$ 2,500.00	\$ 3,300.00	\$ 6,600.00
40	Patch Panel	EACH	2	\$ 1,200.00	\$ 3,500.00	\$ 4,700.00	\$ 9,400.00
41	Relocate Network Switches	EACH	5	\$ 2,500.00	\$ -	\$ 2,500.00	\$ 12,500.00
42	144/s Fiber Optic Cable	L.F.	50	\$ 6.25	\$ 3.45	\$ 9.70	\$ 485.00
43	NVR	EACH	1	\$ 1,500.00	\$ 800.00	\$ 2,300.00	\$ 2,300.00
44	Lightning Protection	EACH	1	\$ 3,000.00	\$ 2,000.00	\$ 5,000.00	\$ 5,000.00
45	Transportation	EACH	1	\$ 3,000.00	-	\$ 3,000.00	\$ 3,000.00
49						\$ -	\$ -
SUBTOTAL		\$	67,520.00	\$	147,672.50		
SAY (ROUNDED)		\$	68,000.00	\$	148,000.00	SAY \$	216,000.00

HUB 6 Class 2 Engineer's Estimate  
Prepared By: Stantec Consulting Services Inc.  
August 28, 2024

ITEM	DESCRIPTION	UNIT	QUANTITY	LABOR	MATERIAL	UNIT PRICE	TOTAL
1	Pre-Fabricated Mini Hut	L.S.	1	\$ 63,000.00	\$ 148,000.00	\$ 211,000.00	\$ 211,000.00
2	Type 200 Vault	EACH	0	\$ 800.00	\$ 11,200.00	\$ 12,000.00	\$ -
3	Type 500 Vault	EACH	1	\$ 1,600.00	\$ 21,550.00	\$ 23,150.00	\$ 23,150.00
4	Type P30 Pullbox	EACH	0	\$ 600.00	\$ 3,800.00	\$ 4,400.00	\$ -
5	Type No.5 Pullbox	EACH	1	\$ 600.00	\$ 820.00	\$ 1,420.00	\$ 1,420.00
6	Type No.7 Pullbox	EACH	1	\$ 600.00	\$ 1,200.00	\$ 1,800.00	\$ 1,800.00
7	Trenching and Backfilling	L.F.	35	\$ 8.00	\$ 5.00	\$ 13.00	\$ 455.00
8	Concrete sidewalk/pavement removal	S.F	9	\$ 9.50		\$ 9.50	\$ 85.50
9	Concrete Sidewalk/pavement Patching	S.Y	1	\$ 200.00	\$ 8.00	\$ 208.00	\$ 208.00
10	1" PVC-40 Conduit	L.F.	20	\$ 48.50	\$ 1.50	\$ 50.00	\$ 1,000.00
11	1-1/2" PVC-40 Conduit	L.F.	0	\$ 58.00	\$ 2.00	\$ 60.00	\$ -
12	2" PVC-40 Conduit	L.F.	90	\$ 67.50	\$ 2.50	\$ 70.00	\$ 6,300.00
13	4" PVC-40 Conduit	L.F.	100	\$ 82.00	\$ 3.50	\$ 85.50	\$ 8,550.00
14	#2 AWG Cable	L.F.	0	\$ 2.45	\$ 2.50	\$ 4.95	\$ -
15	#1/0 AWG Cable	L.F.	0	\$ 2.50	\$ 3.50	\$ 6.00	\$ -
16	#2/0 AWG Cable	L.F.	1080	\$ 2.50	\$ 4.00	\$ 6.50	\$ 7,020.00
17	#8 GND Cable	L.F.	0	\$ 1.50	\$ 1.50	\$ 3.00	\$ -
18	#6 GND Cable	L.F.	0	\$ 1.50	\$ 1.75	\$ 3.25	\$ -
19	#3 GND Cable	L.F.	350	\$ 2.45	\$ 2.25	\$ 4.70	\$ 1,645.00
20	72/s Fiber Optic Cable	L.F.	3,200	\$ 6.25	\$ 3.05	\$ 9.30	\$ 29,760.00
21	Uncoil, Pull and Terminate existing fiber	L.F.	600	\$ 6.25		\$ 6.25	\$ 3,750.00
22	Bollards	EACH	0	\$ 1,000.00	\$ 750.00	\$ 1,750.00	\$ -
23	Demolition	L.S.	1	\$ 5,000.00		\$ 5,000.00	\$ 5,000.00
24	Intersect conduit to Meter Pedestal	EACH	1	\$ 4,015.00		\$ 4,015.00	\$ 4,015.00
25	Landscape restoration	S.F.	34	\$ 13.50	-	\$ 13.50	\$ 459.00
51						\$ -	\$ -
TOTAL \$							305,617.50

HUB 6 Engineer's Prefab Backup Data  
Prepared By: Stantec Consulting Services Inc.  
August 28, 2024

ITEM	DESCRIPTION	UNIT	QUANTITY	LABOR	MATERIAL	UNIT PRICE	TOTAL
1	Pre-Fabricated Mini hut	L.S.	1	\$ 20,000.00	\$ 95,000.00	\$ 115,000.00	\$ 115,000.00
2	Type 200 Vault	EACH	0	\$ 800.00	\$ 11,200.00	\$ 12,000.00	\$ -
3	Type 500 Vault	EACH	0	\$ 1,600.00	\$ 21,550.00	\$ 23,150.00	\$ -
4	Type P30 Pullbox	EACH	0	\$ 600.00	\$ 3,800.00	\$ 4,400.00	\$ -
5	Trenching and Backfilling	L.F.	0	\$ 8.00	\$ -	\$ 8.00	\$ -
6	1" PVC-40 Conduit	L.F.	0	\$ 48.50	\$ 1.50	\$ 50.00	\$ -
7	1-1/2" PVC-40 Conduit	L.F.	0	\$ 58.00	\$ 2.00	\$ 60.00	\$ -
8	2" PVC-40 Conduit	L.F.	0	\$ 67.50	\$ 2.50	\$ 70.00	\$ -
9	4" PVC-40 Conduit	L.F.	0	\$ 82.00	\$ 4.00	\$ 86.00	\$ -
10	1/2" EMT	L.F.	100	\$ 12.50	\$ 2.50	\$ 15.00	\$ 1,500.00
11	#12 AWG Cable	L.F.	300	\$ 1.00	\$ 1.00	\$ 2.00	\$ 600.00
12	#2 AWG Cable	L.F.	0	\$ 2.45	\$ 2.50	\$ 4.95	\$ -
13	#1/0 AWG Cable	L.F.	0	\$ 2.50	\$ 3.50	\$ 6.00	\$ -
14	#2/0 AWG Cable	L.F.	0	\$ 2.50	\$ 4.00	\$ 6.50	\$ -
15	#12 GND Cable	L.F.	100	\$ 1.00	\$ 1.00	\$ 2.00	\$ 200.00
16	#8 GND Cable	L.F.	0	\$ 1.50	\$ 1.50	\$ 3.00	\$ -
17	#6 GND Cable	L.F.	0	\$ 1.50	\$ 1.75	\$ 3.25	\$ -
18	#3 GND Cable	L.F.	0	\$ 2.45	\$ 2.25	\$ 4.70	\$ -
19	57.400cmil Bare Cable (Ground Ring)	L.F.	72	\$ 2.25	\$ 3.00	\$ 5.25	\$ 378.00
20	Ground rod	EACH	4	\$ 100.00	\$ 50.00	\$ 150.00	\$ 600.00
21	Chainlink Fence	L.F.	0	\$ 55.00	\$ 40.00	\$ 95.00	\$ -
22	8' Sliding Gate	EACH	0	\$ 400.00	\$ 800.00	\$ 1,200.00	\$ -
23	Site Grading	C.Y.	17	\$ 135.00	\$ -	\$ 135.00	\$ 2,295.00
24	Sidewalk	S.F.	50	\$ 15.00	\$ 8.00	\$ 23.00	\$ 1,150.00
25	Concrete Foundation	C.Y.	7	\$ 450.00	\$ 400.00	\$ 850.00	\$ 5,950.00
26	CCTV camera fixed	EACH	1	\$ 400.00	\$ 800.00	\$ 1,200.00	\$ 1,200.00
27	CCTV Camera quad	EACH	2	\$ 400.00	\$ 3,000.00	\$ 3,400.00	\$ 6,800.00
28	HVAC	EACH	2	\$ 800.00	\$ 5,500.00	\$ 6,300.00	\$ 12,600.00
29	Cable Tray ( including accessories)	EACH	1	\$ 1,800.00	\$ 2,500.00	\$ 4,100.00	\$ 4,100.00
30	Access Control System	EACH	1	\$ 1,200.00	\$ 5,000.00	\$ 6,200.00	\$ 6,200.00
31	Automatic Temperature Control Panel	EACH	1	\$ 1,200.00	\$ 1,000.00	\$ 2,200.00	\$ 2,200.00
32	Electrical Panel	EACH	1	\$ 1,600.00	\$ 1,000.00	\$ 2,600.00	\$ 2,600.00
33	Generator Tap Box	EACH	1	\$ 100.00	\$ 400.00	\$ 500.00	\$ 500.00
34	Manual Transfer Switch	EACH	1	\$ 800.00	\$ 400.00	\$ 1,200.00	\$ 1,200.00
35	Lights	EACH	4	\$ 100.00	\$ 50.00	\$ 150.00	\$ 600.00
36	Receptacles	EACH	4	\$ 100.00	\$ 25.00	\$ 125.00	\$ 500.00
37	Ground Bus Bar	EACH	1	\$ 100.00	\$ 300.00	\$ 400.00	\$ 400.00
38	Communication Racks	EACH	3	\$ 800.00	\$ 1,500.00	\$ 2,300.00	\$ 6,900.00
39	UPS (No EBM)	EACH	2	\$ 800.00	\$ 2,500.00	\$ 3,300.00	\$ 6,600.00
40	Patch Panel	EACH	2	\$ 1,200.00	\$ 3,500.00	\$ 4,700.00	\$ 9,400.00
41	Relocate Network Switches	EACH	4	\$ 2,500.00	\$ -	\$ 2,500.00	\$ 10,000.00
42	144/s Fiber Optic Cable	L.F.	50	\$ 6.25	\$ 3.45	\$ 9.70	\$ 485.00
43	NVR	EACH	1	\$ 1,500.00	\$ 800.00	\$ 2,300.00	\$ 2,300.00
44	Lightning Protection	EACH	1	\$ 3,000.00	\$ 2,000.00	\$ 5,000.00	\$ 5,000.00
45	Transportation	EACH	1	\$ 3,000.00		\$ 3,000.00	\$ 3,000.00
46							\$ -
47							\$ -
48						\$ -	\$ -
49						\$ -	\$ -
SUBTOTAL		\$	62,819.50	\$	147,438.50		
SAY (ROUNDED)		\$	63,000.00	\$	148,000.00	SAY \$	211,000.00

**HUB 7 Class 2 Engineer's Estimate**

Prepared By: Stantec Consulting Services Inc.  
August 28, 2024

ITEM	DESCRIPTION	UNIT	QUANTITY	LABOR	MATERIAL	UNIT PRICE	TOTAL
1	Pre-Fabricated Mini Hut	L.S.	1	\$ 95,000.00	\$ 180,000.00	\$ 275,000.00	\$ 275,000.00
2	Type 200 Vault	EACH	0	\$ 800.00	\$ 11,200.00	\$ 12,000.00	\$ -
3	Type 500 Vault	EACH	0	\$ 1,600.00	\$ 21,550.00	\$ 23,150.00	\$ -
4	Type P30 Pullbox	EACH	0	\$ 600.00	\$ 3,800.00	\$ 4,400.00	\$ -
5	Type No.5 Pullbox	EACH	0	\$ 600.00	\$ 820.00	\$ 1,420.00	\$ -
6	Trenching and Backfilling	L.F.	150	\$ 8.00	\$ 5.00	\$ 13.00	\$ 1,950.00
7	1" PVC-40 Conduit	L.F.	0	\$ 48.50	\$ 1.50	\$ 50.00	\$ -
8	1-1/2" PVC-40 Conduit	L.F.	0	\$ 58.00	\$ 2.00	\$ 60.00	\$ -
9	2" PVC-40 Conduit	L.F.	40	\$ 67.50	\$ 2.50	\$ 70.00	\$ 2,800.00
10	4" PVC-40 Conduit	L.F.	200	\$ 82.00	\$ 3.50	\$ 85.50	\$ 17,100.00
11	#2 AWG Cable	L.F.	120	\$ 2.45	\$ 2.50	\$ 4.95	\$ 594.00
12	#1/0 AWG Cable	L.F.	0	\$ 2.50	\$ 3.50	\$ 6.00	\$ -
13	#2/0 AWG Cable	L.F.	0	\$ 2.50	\$ 4.00	\$ 6.50	\$ -
14	#8 GND Cable	L.F.	0	\$ 1.50	\$ 1.50	\$ 3.00	\$ -
15	#6 GND Cable	L.F.	40	\$ 1.50	\$ 1.75	\$ 3.25	\$ 130.00
16	#3 GND Cable	L.F.	0	\$ 2.45	\$ 2.25	\$ 4.70	\$ -
17	144/s Fiber Optic Cable	L.F.	400	\$ 6.25	\$ 3.45	\$ 9.70	\$ 3,880.00
18	Uncoil, Pull and Terminate Existing Fiber	L.F.	300	\$ 6.25		\$ 6.25	\$ 1,875.00
19	Bollards	EACH	0	\$ 1,000.00	\$ 750.00	\$ 1,750.00	\$ -
20	Demolition	L.S.	1	\$ 5,000.00		\$ 5,000.00	\$ 5,000.00
21	New Service Pedestal	EACH	1	-	-	\$ 12,000.00	\$ 12,000.00
22	Removal Existing Fence	L.F.	86	\$ 55.00		\$ 55.00	\$ 4,730.00
23	Landscape restoration	S.F.	34	\$ 13.50	-	\$ 13.50	\$ 459.00
48						\$ -	\$ -
TOTAL \$							325,518.00

**HUB 7 Engineer's Prefab Backup Data**

Prepared By: Stantec Consulting Services Inc.  
August 28, 2024

ITEM	DESCRIPTION	UNIT	QUANTITY	LABOR	MATERIAL	UNIT PRICE	TOTAL
1	Pre-Fabricated Mini hut	L.S.	1	\$ 20,000.00	\$ 95,000.00	\$ 115,000.00	\$ 115,000.00
2	Type 200 Vault	EACH	0	\$ 800.00	\$ 11,200.00	\$ 12,000.00	\$ -
3	Type 500 Vault	EACH	1	\$ 1,600.00	\$ 21,550.00	\$ 23,150.00	\$ 23,150.00
4	Type P30 Pullbox	EACH	0	\$ 600.00	\$ 3,800.00	\$ 4,400.00	\$ -
5	Type No.5 Pullbox	EACH	1	\$ 600.00	\$ 820.00	\$ 1,420.00	\$ 1,420.00
6	Trenching and Backfilling	L.F.	65	\$ 8.00	\$ -	\$ 8.00	\$ 520.00
7	1" PVC-40 Conduit	L.F.	1	\$ 48.50	\$ 1.50	\$ 50.00	\$ 50.00
8	1-1/2" PVC-40 Conduit	L.F.	0	\$ 58.00	\$ 2.00	\$ 60.00	\$ -
9	2" PVC-40 Conduit	L.F.	15	\$ 67.50	\$ 2.50	\$ 70.00	\$ 1,050.00
10	4" PVC-40 Conduit	L.F.	60	\$ 82.00	\$ 4.00	\$ 86.00	\$ 5,160.00
11	1/2" EMT	L.F.	100	\$ 12.50	\$ 2.50	\$ 15.00	\$ 1,500.00
12	#12 AWG Cable	L.F.	300	\$ 1.00	\$ 1.00	\$ 2.00	\$ 600.00
13	#2 AWG Cable	L.F.	60	\$ 2.45	\$ 2.50	\$ 4.95	\$ 297.00
14	#1/0 AWG Cable	L.F.	0	\$ 2.50	\$ 3.50	\$ 6.00	\$ -
15	#2/0 AWG Cable	L.F.	0	\$ 2.50	\$ 4.00	\$ 6.50	\$ -
16	#12 GND Cable	L.F.	100	\$ 1.00	\$ 1.00	\$ 2.00	\$ 200.00
17	#8 GND Cable	L.F.	0	\$ 1.50	\$ 1.50	\$ 3.00	\$ -
18	#6 GND Cable	L.F.	20	\$ 1.50	\$ 1.75	\$ 3.25	\$ 65.00
19	#3 GND Cable	L.F.	0	\$ 2.45	\$ 2.25	\$ 4.70	\$ -
20	57,400cmil Bare Cable (Ground Ring)	L.F.	200	\$ 2.25	\$ 3.00	\$ 5.25	\$ 1,050.00
21	Ground rod	EACH	14	\$ 100.00	\$ 50.00	\$ 150.00	\$ 2,100.00
22	Chainlink Fence	L.F.	120	\$ 55.00	\$ 40.00	\$ 95.00	\$ 11,400.00
23	8' Sliding Gate	EACH	1	\$ 400.00	\$ 800.00	\$ 1,200.00	\$ 1,200.00
24	Site Grading	C.Y.	70	\$ 135.00	\$ -	\$ 135.00	\$ 9,450.00
25	Sidewalk	S.F.	50	\$ 15.00	\$ 8.00	\$ 23.00	\$ 1,150.00
26	Concrete Foundation	C.Y.	7	\$ 450.00	\$ 400.00	\$ 850.00	\$ 5,950.00
27	CCTV camera fixed	EACH	1	\$ 400.00	\$ 800.00	\$ 1,200.00	\$ 1,200.00
28	CCTV Camera quad	EACH	2	\$ 400.00	\$ 3,000.00	\$ 3,400.00	\$ 6,800.00
29	HVAC	EACH	2	\$ 800.00	\$ 5,500.00	\$ 6,300.00	\$ 12,600.00
30	Cable Tray ( including accessories)	EACH	1	\$ 1,600.00	\$ 2,500.00	\$ 4,100.00	\$ 4,100.00
31	Access Control System	EACH	1	\$ 1,200.00	\$ 5,000.00	\$ 6,200.00	\$ 6,200.00
32	Automatic Temperature Control Panel	EACH	1	\$ 1,200.00	\$ 1,000.00	\$ 2,200.00	\$ 2,200.00
33	Electrical Panel	EACH	1	\$ 1,600.00	\$ 1,000.00	\$ 2,600.00	\$ 2,600.00
34	Generator Tap Box	EACH	1	\$ 100.00	\$ 400.00	\$ 500.00	\$ 500.00
35	Manual Transfer Switch	EACH	1	\$ 800.00	\$ 400.00	\$ 1,200.00	\$ 1,200.00
36	Lights	EACH	4	\$ 100.00	\$ 50.00	\$ 150.00	\$ 600.00
37	Receptacles	EACH	4	\$ 100.00	\$ 25.00	\$ 125.00	\$ 500.00
38	Ground Bus Bar	EACH	1	\$ 100.00	\$ 300.00	\$ 400.00	\$ 400.00
39	Communication Racks	EACH	3	\$ 800.00	\$ 1,500.00	\$ 2,300.00	\$ 6,900.00
40	UPS (including EBM)	EACH	2	\$ 800.00	\$ 4,000.00	\$ 4,800.00	\$ 9,600.00
41	Patch Panel	EACH	2	\$ 1,200.00	\$ 3,500.00	\$ 4,700.00	\$ 9,400.00
42	Relocate Network Switches	EACH	7	\$ 2,500.00	\$ -	\$ 2,500.00	\$ 17,500.00
43	144/s Fiber Optic Cable	L.F.	50	\$ 6.25	\$ 3.45	\$ 9.70	\$ 485.00
44	NVR	EACH	1	\$ 1,500.00	\$ 800.00	\$ 2,300.00	\$ 2,300.00
45	Lightning Protection	EACH	1	\$ 3,000.00	\$ 2,000.00	\$ 5,000.00	\$ 5,000.00
46	Transportation	EACH	1	\$ 3,000.00		\$ 3,000.00	\$ 3,000.00
47						\$ -	\$ -
48						\$ -	\$ -
49						\$ -	\$ -
50						\$ -	\$ -
SUBTOTAL		\$	94,640.50	\$	179,756.50		
SAY (ROUNDED)		\$	95,000.00	\$	180,000.00	SAY \$	275,000.00



### HUB 8 Class 2 Engineer's Estimate

Prepared By: Stantec Consulting Services Inc.  
August 28, 2024

ITEM	DESCRIPTION	UNIT	QUANTITY	LABOR	MATERIAL	UNIT PRICE	TOTAL
1	Pre-Fabricated Mini Hut	L.S.	1	\$ 71,000.00	\$ 151,000.00	\$ 222,000.00	\$ 222,000.00
2	Type 200 Vault	EACH	0	\$ 800.00	\$ 11,200.00	\$ 12,000.00	\$ -
3	Type 500 Vault	EACH	1	\$ 1,600.00	\$ 21,550.00	\$ 23,150.00	\$ 23,150.00
4	Type P30 Pullbox	EACH	1	\$ 600.00	\$ 3,800.00	\$ 4,400.00	\$ 4,400.00
5	Type No.5 Pullbox	EACH	2	\$ 600.00	\$ 820.00	\$ 1,420.00	\$ 2,840.00
6	Trenching and Backfilling	L.F.	170	\$ 8.00	\$ 5.00	\$ 13.00	\$ 2,210.00
7	Concrete sidewalk/pavement removal	S.F.	965	\$ 9.50	-	\$ 9.50	\$ 9,167.50
8	Concrete Sidewalk/pavement Patching	S.Y.	107	\$ 200.00	\$ 8.00	\$ 208.00	\$ 22,256.00
9	1" PVC-40 Conduit	L.F.	20	\$ 48.50	\$ 1.50	\$ 50.00	\$ 1,000.00
10	1-1/2" PVC-40 Conduit	L.F.	0	\$ 58.00	\$ 2.00	\$ 60.00	\$ -
11	2" PVC-40 Conduit	L.F.	100	\$ 67.50	\$ 2.50	\$ 70.00	\$ 7,000.00
12	4" PVC-40 Conduit	L.F.	100	\$ 82.00	\$ 3.50	\$ 85.50	\$ 8,550.00
13	#2 AWG Cable	L.F.	510	\$ 2.45	\$ 2.50	\$ 4.95	\$ 2,524.50
14	#1/0 AWG Cable	L.F.	0	\$ 2.50	\$ 3.50	\$ 6.00	\$ -
15	#2/0 AWG Cable	L.F.	0	\$ 2.50	\$ 4.00	\$ 6.50	\$ -
16	#8 GND Cable	L.F.	0	\$ 1.50	\$ 1.50	\$ 3.00	\$ -
17	#6 GND Cable	L.F.	170	\$ 1.50	\$ 1.75	\$ 3.25	\$ 552.50
18	#3 GND Cable	L.F.	0	\$ 2.45	\$ 2.25	\$ 4.70	\$ -
19	Uncoil, Pull and Terminate Existing Fiber	L.F.	800	\$ 6.25	-	\$ 6.25	\$ 5,000.00
20	Coaxial Cable	L.F.	300	\$ 1.50	\$ 2.75	\$ 4.25	\$ 1,275.00
21	Bollards	EACH	21	\$ 1,000.00	\$ 750.00	\$ 1,750.00	\$ 36,750.00
22	Landscape Restoration	S.F.	287	\$ 13.50	-	\$ 13.50	\$ 3,874.50
23	Irrigation Repair	EACH	1	\$ 500.00	\$ 500.00	\$ 1,000.00	\$ 1,000.00
24	Demolition	L.S.	1	\$ 5,000.00	-	\$ 5,000.00	\$ 5,000.00
25	New Service Pedestal	EACH	1	-	-	\$ 12,000.00	\$ 12,000.00
26	Bush removal	EACH	2	\$ 500.00	-	\$ 500.00	\$ 1,000.00
27						\$ -	\$ -
52						\$ -	\$ -
TOTAL \$							371,550.00

### HUB 8 Engineer's Prefab Backup Data

Prepared By: Stantec Consulting Services Inc.  
August 28, 2024

ITEM	DESCRIPTION	UNIT	QUANTITY	LABOR	MATERIAL	UNIT PRICE	TOTAL
1	Pre-Fabricated Mini hut	L.S.	1	\$ 20,000.00	\$ 95,000.00	\$ 115,000.00	\$ 115,000.00
2	Type 200 Vault	EACH	0	\$ 800.00	\$ 11,200.00	\$ 12,000.00	\$ -
3	Type 500 Vault	EACH	0	\$ 1,600.00	\$ 21,550.00	\$ 23,150.00	\$ -
4	Type P30 Pullbox	EACH	0	\$ 600.00	\$ 3,800.00	\$ 4,400.00	\$ -
5	Trenching and Backfilling	L.F.	0	\$ 8.00	\$ -	\$ 8.00	\$ -
6	1" PVC-40 Conduit	L.F.	0	\$ 48.50	\$ 1.50	\$ 50.00	\$ -
7	1-1/2" PVC-40 Conduit	L.F.	0	\$ 58.00	\$ 2.00	\$ 60.00	\$ -
8	2" PVC-40 Conduit	L.F.	0	\$ 67.50	\$ 2.50	\$ 70.00	\$ -
9	4" PVC-40 Conduit	L.F.	0	\$ 82.00	\$ 4.00	\$ 86.00	\$ -
10	1/2" EMT	L.F.	100	\$ 12.50	\$ 2.50	\$ 15.00	\$ 1,500.00
11	#12 AWG Cable	L.F.	300	\$ 1.00	\$ 1.00	\$ 2.00	\$ 600.00
12	#2 AWG Cable	L.F.	0	\$ 2.45	\$ 2.50	\$ 4.95	\$ -
13	#1/0 AWG Cable	L.F.	0	\$ 2.50	\$ 3.50	\$ 6.00	\$ -
14	#2/0 AWG Cable	L.F.	0	\$ 2.50	\$ 4.00	\$ 6.50	\$ -
15	#12 GND Cable	L.F.	100	\$ 1.00	\$ 1.00	\$ 2.00	\$ 200.00
16	#8 GND Cable	L.F.	0	\$ 1.50	\$ 1.50	\$ 3.00	\$ -
17	#6 GND Cable	L.F.	0	\$ 1.50	\$ 1.75	\$ 3.25	\$ -
18	#3 GND Cable	L.F.	0	\$ 2.45	\$ 2.25	\$ 4.70	\$ -
19	57.400cmil Bare Cable (Ground Ring)	L.F.	120	\$ 2.25	\$ 3.00	\$ 5.25	\$ 630.00
20	Ground rod	EACH	4	\$ 100.00	\$ 50.00	\$ 150.00	\$ 600.00
21	Chainlink Fence	L.F.	0	\$ 55.00	\$ 40.00	\$ 95.00	\$ -
22	8' Sliding Gate	EACH	0	\$ 400.00	\$ 800.00	\$ 1,200.00	\$ -
23	Site Grading	C.Y.	20	\$ 135.00	\$ -	\$ 135.00	\$ 2,700.00
24	Sidewalk	S.F.	50	\$ 15.00	\$ 8.00	\$ 23.00	\$ 1,150.00
25	Concrete Foundation	C.Y.	7	\$ 450.00	\$ 400.00	\$ 850.00	\$ 5,950.00
26	CCTV camera fixed	EACH	1	\$ 400.00	\$ 800.00	\$ 1,200.00	\$ 1,200.00
27	CCTV Camera quad	EACH	2	\$ 400.00	\$ 3,000.00	\$ 3,400.00	\$ 6,800.00
28	HVAC	EACH	2	\$ 800.00	\$ 5,500.00	\$ 6,300.00	\$ 12,600.00
29	Cable Tray ( including accessories)	EACH	1	\$ 1,600.00	\$ 2,500.00	\$ 4,100.00	\$ 4,100.00
30	Access Control System	EACH	1	\$ 1,200.00	\$ 5,000.00	\$ 6,200.00	\$ 6,200.00
31	Automatic Temperature Control Panel	EACH	1	\$ 1,200.00	\$ 1,000.00	\$ 2,200.00	\$ 2,200.00
32	Electrical Panel	EACH	1	\$ 1,600.00	\$ 1,000.00	\$ 2,600.00	\$ 2,600.00
33	Generator Tap Box	EACH	1	\$ 100.00	\$ 400.00	\$ 500.00	\$ 500.00
34	Manual Transfer Switch	EACH	1	\$ 800.00	\$ 400.00	\$ 1,200.00	\$ 1,200.00
35	Lights	EACH	4	\$ 100.00	\$ 50.00	\$ 150.00	\$ 600.00
36	Receptacles	EACH	4	\$ 100.00	\$ 25.00	\$ 125.00	\$ 500.00
37	Ground Bus Bar	EACH	1	\$ 100.00	\$ 300.00	\$ 400.00	\$ 400.00
38	Communication Racks	EACH	3	\$ 800.00	\$ 1,500.00	\$ 2,300.00	\$ 6,900.00
39	UPS (including EBM)	EACH	2	\$ 800.00	\$ 4,000.00	\$ 4,800.00	\$ 9,600.00
40	Patch Panel	EACH	2	\$ 1,200.00	\$ 3,500.00	\$ 4,700.00	\$ 9,400.00
41	Relocate Network Switches	EACH	6	\$ 2,500.00	\$ -	\$ 2,500.00	\$ 15,000.00
42	Relocate RF equipment	EACH	1	\$ 2,000.00	\$ -	\$ 2,000.00	\$ 2,000.00
43	144/s Fiber Optic Cable	L.F.	50	\$ 6.25	\$ 3.45	\$ 9.70	\$ 485.00
44	NVR	EACH	1	\$ 1,500.00	\$ 800.00	\$ 2,300.00	\$ 2,300.00
45	Lightning Protection	EACH	1	\$ 3,000.00	\$ 2,000.00	\$ 5,000.00	\$ 5,000.00
46	Transportation	EACH	1	\$ 3,000.00	-	\$ 3,000.00	\$ 3,000.00
47						\$ -	\$ -
48						\$ -	\$ -
49						\$ -	\$ -
50						\$ -	\$ -
SUBTOTAL		\$	70,332.50	\$	150,582.50		

SAY (ROUNDED) \$ 71,000.00 \$ 151,000.00 SAY \$ 222,000.00

HUB 12 Class 2 Engineer's Estimate  
Prepared By: Stantec Consulting Services Inc.  
August 28, 2024

ITEM	DESCRIPTION	UNIT	QUANTITY	LABOR	MATERIAL	UNIT PRICE	TOTAL
1	Pre-Fabricated Mini Hut	L.S.	1	\$ 115,000.00	\$ 185,000.00	\$ 300,000.00	\$ 300,000.00
2	Type 200 Vault	EACH	1	\$ 800.00	\$ 11,200.00	\$ 12,000.00	\$ 12,000.00
3	Type 500 Vault	EACH	0	\$ 1,600.00	\$ 21,550.00	\$ 23,150.00	\$ -
4	Type P30 Pullbox	EACH	0	\$ 600.00	\$ 3,800.00	\$ 4,400.00	\$ -
5	Type No.5 Pullbox	EACH	0	\$ 600.00	\$ 820.00	\$ 1,420.00	\$ -
6	Trenching and Backfilling	L.F.	25	\$ 8.00	\$ 5.00	\$ 13.00	\$ 325.00
7	1" PVC-40 Conduit	L.F.	0	\$ 48.50	\$ 1.50	\$ 50.00	\$ -
8	1-1/2" PVC-40 Conduit	L.F.	0	\$ 58.00	\$ 2.00	\$ 60.00	\$ -
9	2" PVC-40 Conduit	L.F.	20	\$ 67.50	\$ 2.50	\$ 70.00	\$ 1,400.00
10	4" PVC-40 Conduit	L.F.	160	\$ 82.00	\$ 3.50	\$ 85.50	\$ 13,680.00
11	#2 AWG Cable	L.F.	0	\$ 2.45	\$ 2.50	\$ 4.95	\$ -
12	#1/0 AWG Cable	L.F.	0	\$ 2.50	\$ 3.50	\$ 6.00	\$ -
13	#2/0 AWG Cable	L.F.	900	\$ 2.50	\$ 4.00	\$ 6.50	\$ 5,850.00
14	#8 GND Cable	L.F.	0	\$ 1.50	\$ 1.50	\$ 3.00	\$ -
15	#6 GND Cable	L.F.	0	\$ 1.50	\$ 1.75	\$ 3.25	\$ -
16	#3 GND Cable	L.F.	300	\$ 2.45	\$ 2.25	\$ 4.70	\$ 1,410.00
17	144/s Fiber Optic Cable	L.F.	600	\$ 6.25	\$ 3.45	\$ 9.70	\$ 5,820.00
18	Uncoil, Pull and Terminate Existing Fiber	L.F.	1,000	\$ 6.25		\$ 6.25	\$ 6,250.00
19	Bollards	EACH	0	\$ -	\$ -	\$ -	\$ -
20	Landscape Restoration	S.F.	235	\$ 13.50	-	\$ 13.50	\$ 3,172.50
21	Demolition	L.S.	1	\$ 5,000.00		\$ 5,000.00	\$ 5,000.00
22	Bush removal	EACH	2	\$ 500.00		\$ 500.00	\$ 1,000.00
49						\$ -	\$ -
TOTAL \$							355,907.50

HUB 12 Engineer's Prefab Backup Data  
Prepared By: Stantec Consulting Services Inc.  
August 28, 2024

ITEM	DESCRIPTION	UNIT	QUANTITY	LABOR	MATERIAL	UNIT PRICE	TOTAL
1	Pre-Fabricated Mini hut	L.S.	1	\$ 20,000.00	\$ 95,000.00	\$ 115,000.00	\$ 115,000.00
2	Type 200 Vault	EACH	0	\$ 800.00	\$ 11,200.00	\$ 12,000.00	\$ -
3	Type 500 Vault	EACH	1	\$ 1,600.00	\$ 21,550.00	\$ 23,150.00	\$ 23,150.00
4	Type P30 Pullbox	EACH	1	\$ 600.00	\$ 3,800.00	\$ 4,400.00	\$ 4,400.00
5	Type No.5 Pullbox	EACH	1	\$ 600.00	\$ 820.00	\$ 1,420.00	\$ 1,420.00
6	Trenching and Backfilling	L.F.	40	\$ 8.00	\$ -	\$ 8.00	\$ 320.00
7	1" PVC-40 Conduit	L.F.	20	\$ 48.50	\$ 1.50	\$ 50.00	\$ 1,000.00
8	1-1/2" PVC-40 Conduit	L.F.	0	\$ 58.00	\$ 2.00	\$ 60.00	\$ -
9	2" PVC-40 Conduit	L.F.	25	\$ 67.50	\$ 2.50	\$ 70.00	\$ 1,750.00
10	4" PVC-40 Conduit	L.F.	110	\$ 82.00	\$ 4.00	\$ 86.00	\$ 9,460.00
11	1/2" EMT	L.F.	100	\$ 12.50	\$ 2.50	\$ 15.00	\$ 1,500.00
12	#12 AWG Cable	L.F.	300	\$ 1.00	\$ 1.00	\$ 2.00	\$ 600.00
13	#2 AWG Cable	L.F.	0	\$ 2.45	\$ 2.50	\$ 4.95	\$ -
14	#1/0 AWG Cable	L.F.	0	\$ 2.50	\$ 3.50	\$ 6.00	\$ -
15	#2/0 AWG Cable	L.F.	60	\$ 2.50	\$ 4.00	\$ 6.50	\$ 390.00
16	#12 GND Cable	L.F.	100	\$ 1.00	\$ 1.00	\$ 2.00	\$ 200.00
17	#8 GND Cable	L.F.	0	\$ 1.50	\$ 1.50	\$ 3.00	\$ -
18	#6 GND Cable	L.F.	0	\$ 1.50	\$ 1.75	\$ 3.25	\$ -
19	#3 GND Cable	L.F.	20	\$ 2.45	\$ 2.25	\$ 4.70	\$ 94.00
20	57,400cmil Bare Cable (Ground Ring)	L.F.	290	\$ 2.25	\$ 3.00	\$ 5.25	\$ 1,522.50
21	Ground rod	EACH	4	\$ 100.00	\$ 50.00	\$ 150.00	\$ 600.00
22	Chainlink Fence	L.F.	120	\$ 55.00	\$ 40.00	\$ 95.00	\$ 11,400.00
23	8' Sliding Gate	EACH	1	\$ 400.00	\$ 800.00	\$ 1,200.00	\$ 1,200.00
24	Site Grading	C.Y.	115	\$ 135.00	\$ -	\$ 135.00	\$ 15,525.00
25	Sidewalk	S.F.	50	\$ 15.00	\$ 8.00	\$ 23.00	\$ 1,150.00
26	Concrete Foundation	C.Y.	7	\$ 450.00	\$ 400.00	\$ 850.00	\$ 5,950.00
27	CCTV camera fixed	EACH	1	\$ 400.00	\$ 800.00	\$ 1,200.00	\$ 1,200.00
28	CCTV Camera quad	EACH	2	\$ 400.00	\$ 3,000.00	\$ 3,400.00	\$ 6,800.00
29	HVAC	EACH	2	\$ 800.00	\$ 5,500.00	\$ 6,300.00	\$ 12,600.00
30	Cable Tray ( including accessories)	EACH	1	\$ 1,600.00	\$ 2,500.00	\$ 4,100.00	\$ 4,100.00
31	Access Control System	EACH	1	\$ 1,200.00	\$ 5,000.00	\$ 6,200.00	\$ 6,200.00
32	Automatic Temperature Control Panel	EACH	1	\$ 1,200.00	\$ 1,000.00	\$ 2,200.00	\$ 2,200.00
33	Electrical Panel	EACH	1	\$ 1,600.00	\$ 1,000.00	\$ 2,600.00	\$ 2,600.00
34	Generator Tap Box	EACH	1	\$ 100.00	\$ 400.00	\$ 500.00	\$ 500.00
35	Manual Transfer Switch	EACH	1	\$ 800.00	\$ 400.00	\$ 1,200.00	\$ 1,200.00
36	Lights	EACH	4	\$ 100.00	\$ 50.00	\$ 150.00	\$ 600.00
37	Receptacles	EACH	4	\$ 100.00	\$ 25.00	\$ 125.00	\$ 500.00
38	Ground Bus Bar	EACH	1	\$ 100.00	\$ 300.00	\$ 400.00	\$ 400.00
39	Communication Racks	EACH	3	\$ 800.00	\$ 1,500.00	\$ 2,300.00	\$ 6,900.00
40	UPS (including EBM)	EACH	2	\$ 800.00	\$ 4,000.00	\$ 4,800.00	\$ 9,600.00
41	Patch Panel	EACH	2	\$ 1,200.00	\$ 3,500.00	\$ 4,700.00	\$ 9,400.00
42	Relocate Network Switches	EACH	10	\$ 2,500.00	\$ -	\$ 2,500.00	\$ 25,000.00
43	144/s Fiber Optic Cable	L.F.	150	\$ 6.25	\$ 3.45	\$ 9.70	\$ 1,455.00
44	NVR	EACH	1	\$ 1,500.00	\$ 800.00	\$ 2,300.00	\$ 2,300.00
45	Lightning Protection	EACH	1	\$ 3,000.00	\$ 2,000.00	\$ 5,000.00	\$ 5,000.00
46	Transportation	EACH	1	\$ 3,000.00		\$ 3,000.00	\$ 3,000.00
47						\$ -	\$ -
48						\$ -	\$ -
49						\$ -	\$ -
50						\$ -	\$ -
SUBTOTAL			\$ 114,161.50	\$ 184,025.00			
SAY (ROUNDED)			\$ 115,000.00	\$ 185,000.00			
					SAY \$	300,000.00	

HUB 21 Class 2 Engineer's Estimate

Prepared By: Stantec Consulting Services Inc.  
August 28, 2024

ITEM	DESCRIPTION	UNIT	QUANTITY	LABOR	MATERIAL	UNIT PRICE	TOTAL
1	Pre-Fabricated Mini Hut	L.S.	1	\$ 85,000.00	\$ 176,000.00	\$ 261,000.00	\$ 261,000.00
2	Type 200 Vault	EACH	0	\$ 800.00	\$ 11,200.00	\$ 12,000.00	\$ -
3	Type 500 Vault	EACH	0	\$ 1,600.00	\$ 21,550.00	\$ 23,150.00	\$ -
4	Type P30 Pullbox	EACH	0	\$ 600.00	\$ 3,800.00	\$ 4,400.00	\$ -
5	Type No.5 Pullbox	EACH	1	\$ 600.00	\$ 820.00	\$ 1,420.00	\$ 1,420.00
6	Trenching and Backfilling	L.F.	50	\$ 8.00	\$ 5.00	\$ 13.00	\$ 650.00
7	1" PVC-40 Conduit	L.F.	0	\$ 48.50	\$ 1.50	\$ 50.00	\$ -
8	1-1/2" PVC-40 Conduit	L.F.	0	\$ 58.00	\$ 2.00	\$ 60.00	\$ -
9	2" PVC-40 Conduit	L.F.	60	\$ 67.50	\$ 2.50	\$ 70.00	\$ 4,200.00
10	4" PVC-40 Conduit	L.F.	120	\$ 82.00	\$ 4.00	\$ 86.00	\$ 10,320.00
11	#2 AWG Cable	L.F.	50	\$ 2.45	\$ 2.50	\$ 4.95	\$ 247.50
12	#1/0 AWG Cable	L.F.	0	\$ 2.50	\$ 3.50	\$ 6.00	\$ -
13	#2/0 AWG Cable	L.F.	0	\$ 2.50	\$ 4.00	\$ 6.50	\$ -
14	#8 GND Cable	L.F.	35	\$ 1.50	\$ 1.50	\$ 3.00	\$ 105.00
15	#6 GND Cable	L.F.	140	\$ 1.50	\$ 1.75	\$ 3.25	\$ 455.00
16	#3 GND Cable	L.F.	0	\$ 2.45	\$ 2.25	\$ 4.70	\$ -
17	Uncoil, Pull and Terminate Existing Fiber	L.F.	400	\$ 6.25		\$ 6.25	\$ 2,500.00
18	Bollards	EACH	0	\$ -	\$ -	\$ -	\$ -
19	Demolition	L.S.	1	\$ 5,000.00		\$ 5,000.00	\$ 5,000.00
20	Meter Pedestal removal and reinstallation	EACH	1			\$ 8,030.00	\$ 8,030.00
21	Communication Distribution Cable Assembly	EACH	1			\$ 8,500.00	\$ 8,500.00
22						\$ -	\$ -
47						\$ -	\$ -

TOTAL \$ 302,427.50

HUB 21 Engineer's Prefab Backup Data

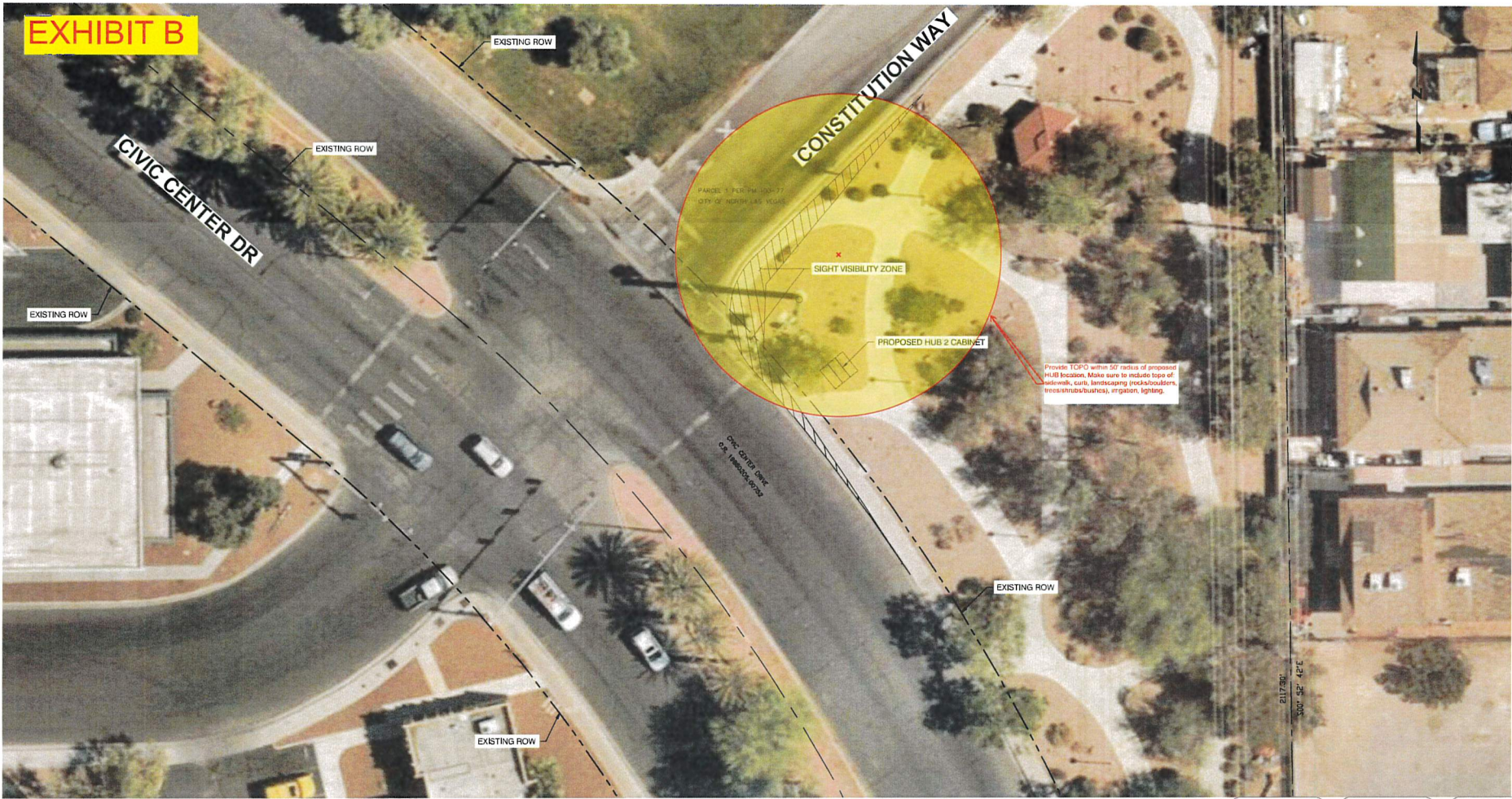
Prepared By: Stantec Consulting Services Inc.  
August 28, 2024

ITEM	DESCRIPTION	UNIT	QUANTITY	LABOR	MATERIAL	UNIT PRICE	TOTAL
1	Pre-Fabricated Mini hut	L.S.	1	\$ 20,000.00	\$ 95,000.00	\$ 115,000.00	\$ 115,000.00
2	Type 200 Vault	EACH	0	\$ 800.00	\$ 11,200.00	\$ 12,000.00	\$ -
3	Type 500 Vault	EACH	1	\$ 1,600.00	\$ 21,550.00	\$ 23,150.00	\$ 23,150.00
4	Type P30 Pullbox	EACH	0	\$ 600.00	\$ 3,800.00	\$ 4,400.00	\$ -
5	Type No.5 Pullbox	EACH	1	\$ 600.00	\$ 820.00	\$ 1,420.00	\$ 1,420.00
6	Trenching and Backfilling	L.F.	160	\$ 8.00	\$ -	\$ 8.00	\$ 1,280.00
7	1" PVC-40 Conduit	L.F.	20	\$ 48.50	\$ 1.50	\$ 50.00	\$ 1,000.00
8	1-1/2" PVC-40 Conduit	L.F.	0	\$ 58.00	\$ 2.00	\$ 60.00	\$ -
9	2" PVC-40 Conduit	L.F.	40	\$ 67.50	\$ 2.50	\$ 70.00	\$ 2,800.00
10	4" PVC-40 Conduit	L.F.	120	\$ 82.00	\$ 4.00	\$ 86.00	\$ 10,320.00
11	1/2" EMT	L.F.	100	\$ 12.50	\$ 2.50	\$ 15.00	\$ 1,500.00
12	#12 AWG Cable	L.F.	300	\$ 1.00	\$ 1.00	\$ 2.00	\$ 600.00
13	#2 AWG Cable	L.F.	60	\$ 2.45	\$ 2.50	\$ 4.95	\$ 297.00
14	#1/0 AWG Cable	L.F.	0	\$ 2.50	\$ 3.50	\$ 6.00	\$ -
15	#2/0 AWG Cable	L.F.	0	\$ 2.50	\$ 4.00	\$ 6.50	\$ -
16	#12 GND Cable	L.F.	100	\$ 1.00	\$ 1.00	\$ 2.00	\$ 200.00
17	#8 GND Cable	L.F.	0	\$ 1.50	\$ 1.50	\$ 3.00	\$ -
18	#6 GND Cable	L.F.	20	\$ 1.50	\$ 1.75	\$ 3.25	\$ 65.00
19	#3 GND Cable	L.F.	0	\$ 2.45	\$ 2.25	\$ 4.70	\$ -
20	57,400cmil Bare Cable (Ground Ring)	L.F.	260	\$ 2.25	\$ 3.00	\$ 5.25	\$ 1,365.00
21	Ground rod	EACH	4	\$ 100.00	\$ 50.00	\$ 150.00	\$ 600.00
22	Chainlink Fence	L.F.	100	\$ 55.00	\$ 40.00	\$ 95.00	\$ 9,500.00
23	8' Sliding Gate	EACH	1	\$ 400.00	\$ 800.00	\$ 1,200.00	\$ 1,200.00
24	Site Grading	C.Y.	0	\$ 135.00	\$ -	\$ 135.00	\$ -
25	Sidewalk	S.F.	51	\$ 15.00	\$ 8.00	\$ 23.00	\$ 1,173.00
26	Concrete Foundation	C.Y.	7	\$ 450.00	\$ 400.00	\$ 850.00	\$ 5,950.00
27	CCTV camera fixed	EACH	1	\$ 400.00	\$ 800.00	\$ 1,200.00	\$ 1,200.00
28	CCTV Camera quad	EACH	2	\$ 400.00	\$ 3,000.00	\$ 3,400.00	\$ 6,800.00
29	HVAC	EACH	2	\$ 1,200.00	\$ 5,500.00	\$ 6,700.00	\$ 13,400.00
30	Cable Tray ( including accessories)	EACH	1	\$ 1,600.00	\$ 2,500.00	\$ 4,100.00	\$ 4,100.00
31	Access Control System	EACH	1	\$ 1,200.00	\$ 5,000.00	\$ 6,200.00	\$ 6,200.00
32	Automatic Temperature Control Panel	EACH	1	\$ 1,200.00	\$ 1,000.00	\$ 2,200.00	\$ 2,200.00
33	Electrical Panel	EACH	1	\$ 1,600.00	\$ 1,000.00	\$ 2,600.00	\$ 2,600.00
34	Generator Tap Box	EACH	1	\$ 100.00	\$ 400.00	\$ 500.00	\$ 500.00
35	Manual Transfer Switch	EACH	1	\$ 800.00	\$ 400.00	\$ 1,200.00	\$ 1,200.00
36	Lights	EACH	4	\$ 100.00	\$ 50.00	\$ 150.00	\$ 600.00
37	Receptacles	EACH	4	\$ 100.00	\$ 25.00	\$ 125.00	\$ 500.00
38	Ground Bus Bar	EACH	1	\$ 100.00	\$ 300.00	\$ 400.00	\$ 400.00
39	Communication Racks	EACH	3	\$ 800.00	\$ 1,500.00	\$ 2,300.00	\$ 6,900.00
40	UPS (No EBM)	EACH	2	\$ 800.00	\$ 2,500.00	\$ 3,300.00	\$ 6,600.00
41	Patch Panel	EACH	2	\$ 1,200.00	\$ 3,500.00	\$ 4,700.00	\$ 9,400.00
42	Relocate Network Switches	EACH	4	\$ 2,500.00	\$ -	\$ 2,500.00	\$ 10,000.00
43	144/s Fiber Optic Cable	L.F.	50	\$ 6.25	\$ 3.45	\$ 9.70	\$ 485.00
44	NVR	EACH	1	\$ 1,500.00	\$ 800.00	\$ 2,300.00	\$ 2,300.00
45	Lightning Protection	EACH	1	\$ 3,000.00	\$ 2,000.00	\$ 5,000.00	\$ 5,000.00
46	Transportation	EACH	1	\$ 3,000.00		\$ 3,000.00	\$ 3,000.00
47						\$ -	\$ -
48						\$ -	\$ -
49						\$ -	\$ -
50						\$ -	\$ -

SUBTOTAL \$ 84,829.50 \$ 175,975.50  
SAY (ROUNDED) \$ 85,000.00 \$ 176,000.00 SAY \$ 261,000.00

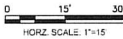
ESTIMATE SUMMARY	
Location	Estimated Value
Hub 2	\$ 353,282.75
Hub 3	\$ 408,095.50
Hub 6	\$ 305,617.50
Hub 7	\$ 325,518.00
Hub 8	\$ 371,550.00
Hub 12	\$ 355,907.50
Hub 21	\$ 302,427.50
Subtotal	\$ 2,422,398.75
Construction Contingency (10%)	\$ 242,239.88
Final Cleanup (0.5%)	\$ 12,111.99
Mobilization/Demobilization (5%)	\$ 121,119.94
Construction Survey (LS)	\$ 50,000.00
Subtotal	\$ 2,847,870.56
Contractor Overhead and Profit (12%)	\$ 341,744.47
<b>Total Project Estimated</b>	<b>\$ 3,189,615.02</b>
<b>SAY</b>	<b>\$ 3,190,000.00</b>





NOTES

- 1. PROPOSED CABINET LOCATION SHOWN FALLS WITHIN PUBLIC RIGHT OF WAY. RIGHT OF WAY LINES ARE SHOWN WHEN THEY FALL WITHIN THE PLAN SHEET LIMITS.
- 2. SITE VISIBILITY ZONES SHOWN PER DWG NO. 201.2 OF THE UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA.



FAST AMS HUB UPGRADE

ROW & SIGHT DISTANCE ANALYSIS EXHIBIT HUB 2 CABINET  
CONSTITUTION WAY AND CIVIC CENTER DR  
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA



PROJECT No: 18050475 DRAWN BY: M. HERNANDEZ JR.  
DESIGNED BY: M. HERNANDEZ JR. CHECKED BY: E. GOURDEAU  
APPROVED BY: M. CALB



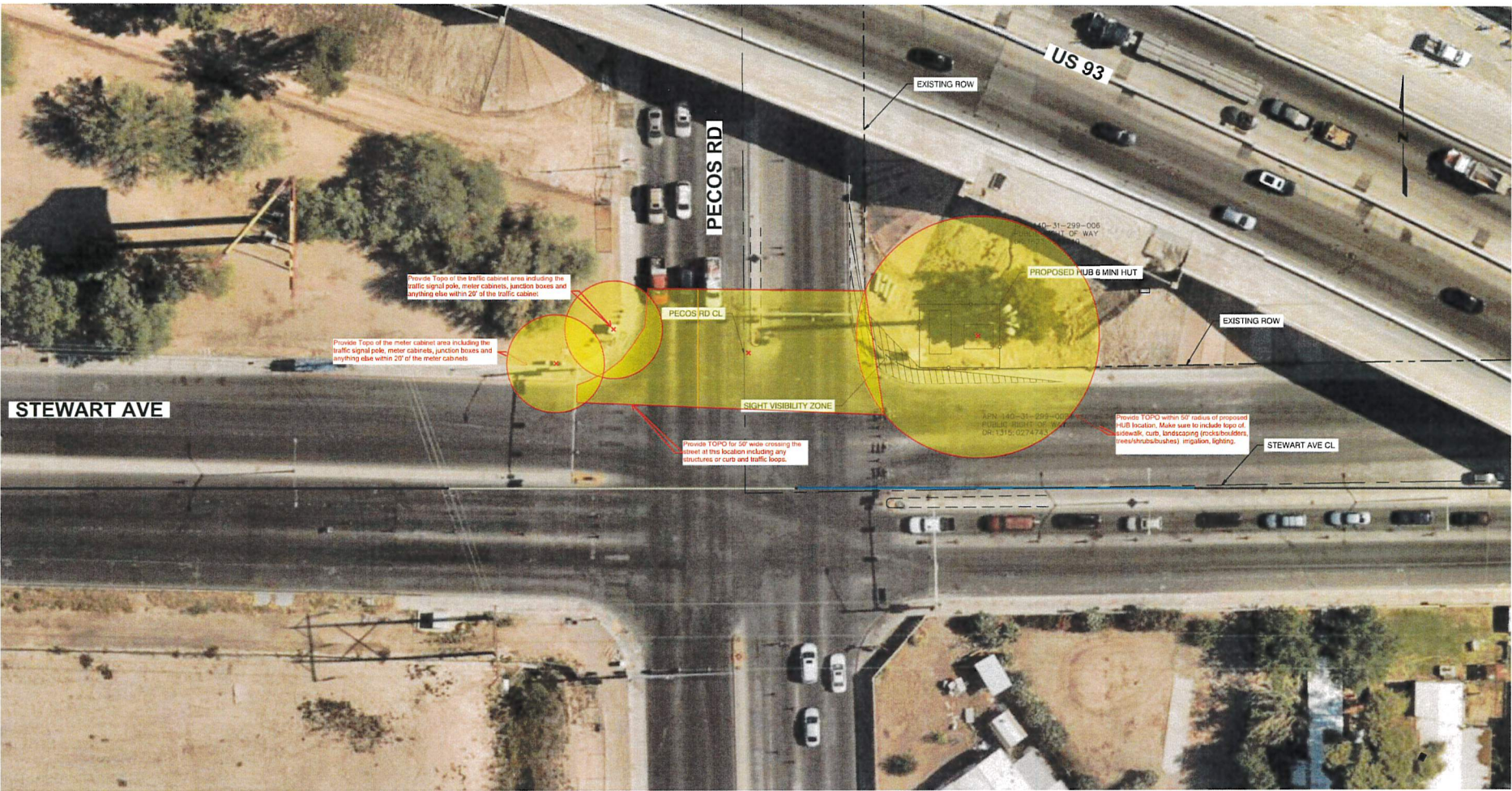
SCALE: HORIZ: 1" = 15'  
VERT: NONE  
DRAWING No: EX-01  
SHT 1 OF 8  
17 JULY 2023

Agenda Item #9.









**NOTES**

- 1. PROPOSED MINI HUT LOCATION SHOWN FALLS WITHIN PUBLIC RIGHT OF WAY. RIGHT OF WAY LINES ARE SHOWN WHEN THEY FALL WITHIN THE PLAN SHEET LIMITS.
- 2. SITE VISIBILITY ZONES SHOWN PER DWG NO. 201.2 OF THE UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA.



**FAST AMS HUB UPGRADE**

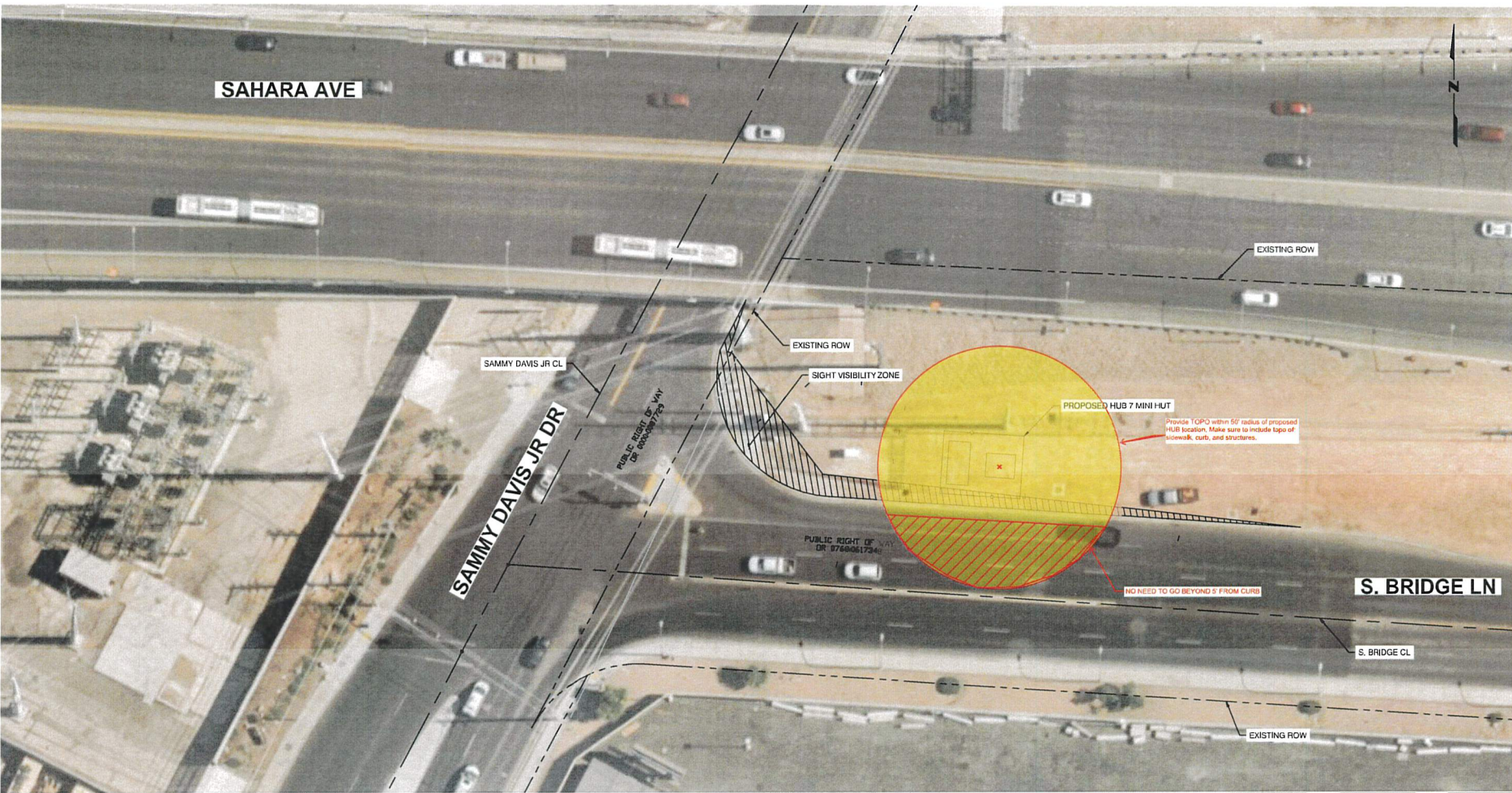
ROW & SIGHT DISTANCE ANALYSIS EXHIBIT HUB 6 MINI HUT  
STEWART AVE & PECOS RD  
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT NO: 19250175  
DESIGNED BY: M. HERNANDEZ JR.  
APPROVED BY: M. GAB.  
DRAWN BY: M. HERNANDEZ JR.  
CHECKED BY: E. GONZALEZ  
Stantec

SCALE  
HORIZ: 1" = 20'  
VERT: NONE  
DRAWING NO: EX-03  
SHT 3 OF 8  
17 JULY 2023

Agenda Item #9.





**NOTES**

- 1. PROPOSED MINI HUT LOCATION SHOWN FALLS WITHIN PUBLIC RIGHT OF WAY. RIGHT OF WAY LINES ARE SHOWN WHEN THEY FALL WITHIN THE PLAN SHEET LIMITS.
- 2. SITE VISIBILITY ZONES SHOWN PER DWG NO. 201.2 OF THE UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA.



**FAST AMS HUB UPGRADE**

ROW & SIGHT DISTANCE ANALYSIS EXHIBIT HUB 7 MINI HUT  
S BRIDGE LN & SAMMY DAVIS JR DR  
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA



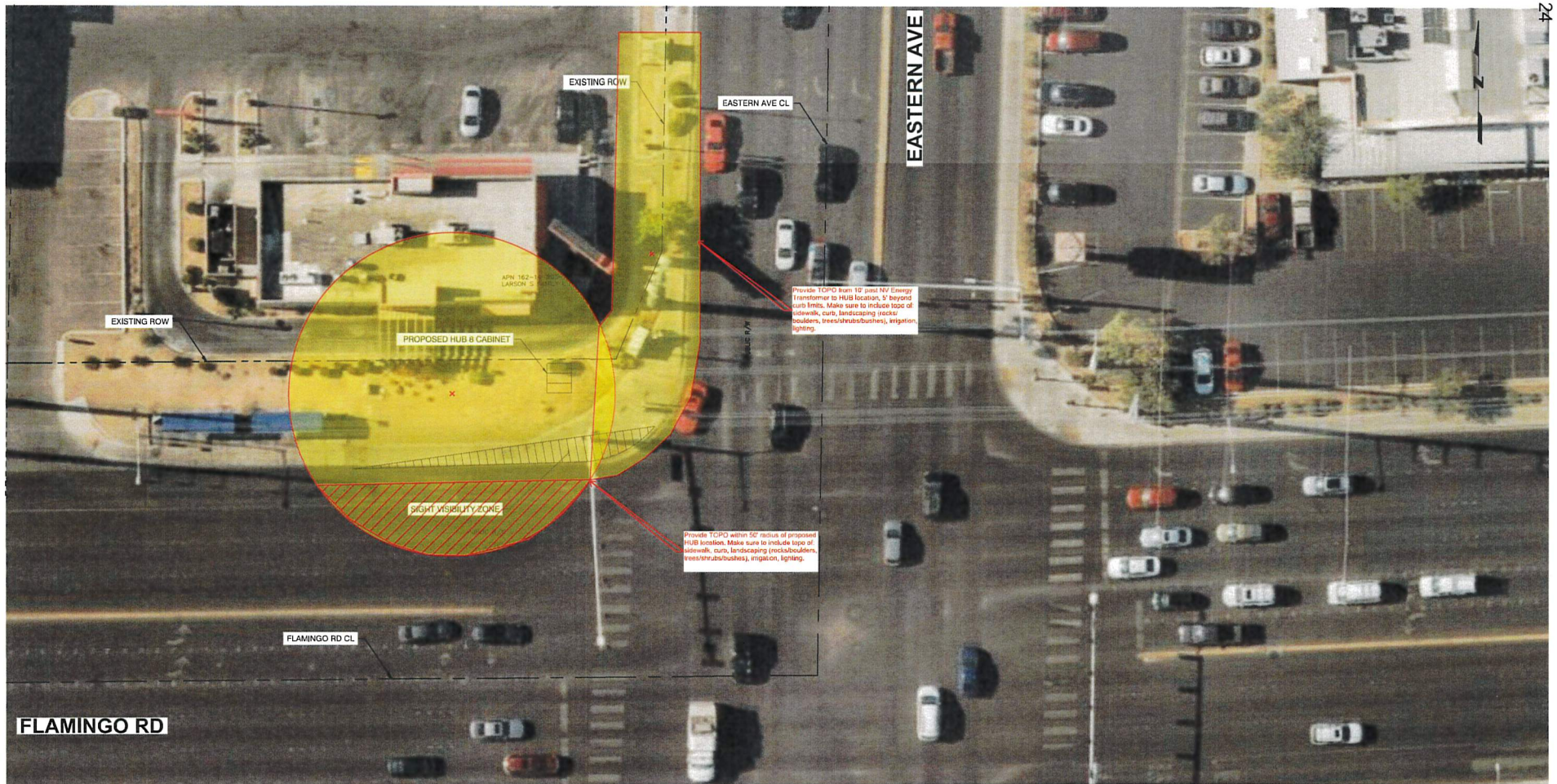
PROJECT NO: 15250475 DRAWN BY: M. HERNANDEZ JR.  
DESIGNED BY: M. HERNANDEZ JR. CHECKED BY: G. GOURDEAU  
APPROVED BY: M. KALL



SCALE: HORIZ: 1" = 20'  
VERT: NONE  
DRAWING NO: EX-04  
SHT 4 OF 8  
17 JULY 2022

Appendix Item #9.





**NOTES**

1. PROPOSED CABINET LOCATION SHOWN FALLS WITHIN PUBLIC RIGHT OF WAY. RIGHT OF WAY LINES ARE SHOWN WHEN THEY FALL WITHIN THE PLAN SHEET LIMITS.
2. SITE VISIBILITY ZONES SHOWN PER DWG NO. 201.2 OF THE UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA.



**FAST AMS HUB UPGRADE**

ROW & SIGHT DISTANCE ANALYSIS EXHIBIT HUB 8 CABINET  
FLAMINGO RD & EASTERN AVE  
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

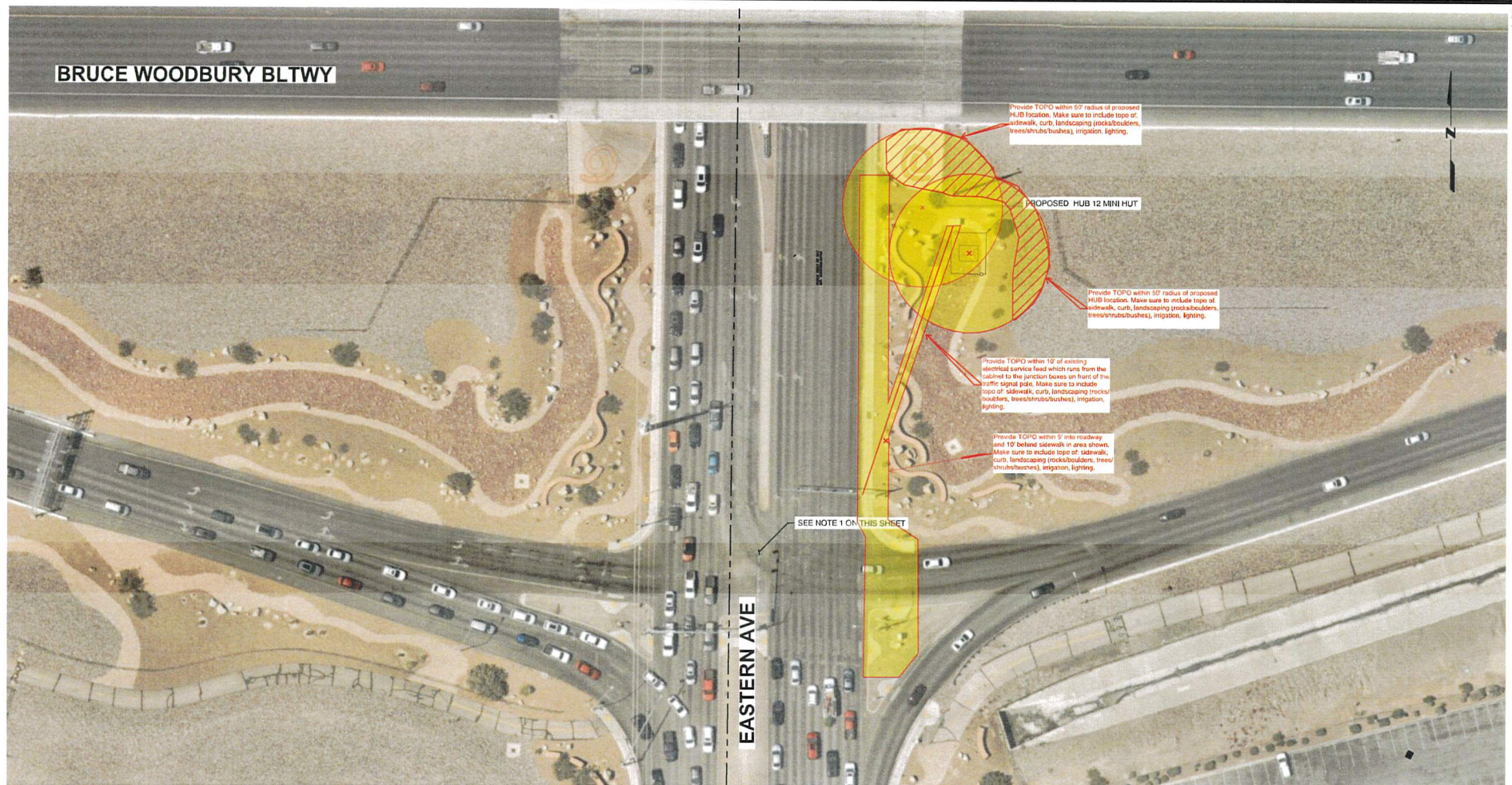


PROJECT No: 180518 DRAWN BY: M. HERNANDEZ JR.  
DESIGNED BY: M. HERNANDEZ JR. CHECKED BY: E. GONZALEZ  
APPROVED BY: M. GALT



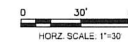
SCALE: HORIZ: 1" = 15'  
VERT: NONE  
DRAWING No: EX-05  
SHT 5 OF 8  
17 JUL Y 2023





**NOTES**

1. PROPOSED LOCATION OF NEW COMMUNICATION MINI HUT SITE 12 FALLS OUTSIDE THE INTERSECTION LIMITS, THUS THE SIGHT VISIBILITY ZONES ARE NOT SHOWN. THE LOCATION SATISFIES THE SIGHT DISTANCE REQUIREMENTS.
2. PROPOSED MINI HUT LOCATION SHOWN FALLS WITHIN PUBLIC RIGHT OF WAY. RIGHT OF WAY LINES ARE SHOWN WHEN THEY FALL WITHIN THE PLAN SHEET LIMITS.



Call before you Dig

1-800-227-2800

CALL BEFORE YOU DIG

1-702-227-2929

**FAST**

Call before you UnderGround

1-702-432-5300

**FAST AMS HUB UPGRADE**

ROW & SIGHT DISTANCE ANALYSIS EXHIBIT HUB 12 MINI HUT  
EASTERN AVE & BRUCE WOODBURY BLTWY  
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA



PROJECT No. 181504	DRAWN BY M. HERNANDEZ JR.	SCALE	DRAWING No.
DESIGNED BY M. HERNANDEZ JR.	CHECKED BY E. VOUGEAU	HORIZ. 1" = 5'	EX-06
APPROVED BY M. OLS		VERT. NONE	SHT 6 OF 8
			17 JULY 2023

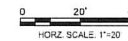
Appendix Item #9.





**NOTES**

1. PROPOSED MINI HUT LOCATION SHOWN FALLS WITHIN PUBLIC RIGHT OF WAY. RIGHT OF WAY LINES ARE SHOWN WHEN THEY FALL WITHIN THE PLAN SHEET LIMITS.
2. SITE VISIBILITY ZONES SHOWN PER DWG NO. 201.2 OF THE UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA.



**FAST AMS HUB UPGRADE**

ROW & SIGHT DISTANCE ANALYSIS EXHIBIT HUB 21 MINI HUT  
ARENA DR & FRANK SINATRA DR  
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA



REV NO.	DATE	DESCRIPTION	APPROVED

PROJECT NO: 19250470	DRAWN BY: M. HERNANDEZ JR.	SCALE: HORIZ: 1" = 20'	DRAWING NO: EX-08
DESIGNED BY: M. HERNANDEZ JR.	CHECKED BY: E. GOURDEAU	VERT: NONE	SHT 8 OF 8
APPROVED BY: M. GALE			17 JULY 2023
Stantec			