

RUN NO.	FROM	TO	CONDUIT SIZE	SIGNAL CABLE		DET. LEADS		LIGHTING OR		INTERCONNECT		SERVICE
				10 CON 20 CON	14 AWG	20 CON 20 CON	20 CON 20 CON	LUM.	FLASH	CON	14 AWG	
1	SERVICE POINT	PULL BOX	2"									X
2	PULL BOX	SINGLE METER PADMOUNT	2"									X
3	SINGLE METER PADMOUNT	CONTROLLER	2"									X
4	CONTROLLER	POLE "B"	2"			X		X				
5	CONTROLLER	PULL BOX	2"			X X		X X				
6	CONTROLLER	PULL BOX	2"			X		X				
7	PULL BOX	POLE "A"	2"			X		X X				
8	PULL BOX	PULL BOX	1"					EXISTING			X	
9	PULL BOX	POLE "C"	2"			X		X				
10	PULL BOX	ISLAND FLASHER	1"					EXISTING		X		
11	POLE "D"	PULL BOX	2"			X				X		
12	CONTROLLER	PULL BOX	2"			X		X		X		
13	POLE "D"	PULL BOX	2"							X		
14	POLE "A"	PULL BOX	2"			X						
15	POLE A	PULL BOX	2"							X X		
16	PULL BOX	PULL BOX	2"							X		

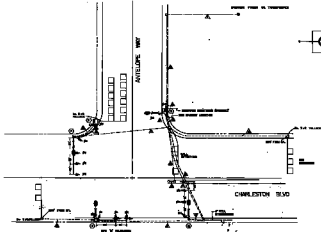
NO.	TYPE	POLE		SIGNALS	VEH	SIGNALS	PED	PED PUSH BUTTON
		SIGNAL ARM QUAD	ARM LENGTH					
A	X X	3	45'	3	15'	MASTARM M2 (3)		
B		EXISTING	4	15'		N/A	W-OT	3 LEFT
C	X X	1	45'	1	15'	MASTARM M2 (3)		
D	X X	2	35'	1	15'	MASTARM M2 (2)	4	W OT 4 LEFT
E	I B					MASTARM M2 (2)	W 2T	3 RIGHT 2 LEFT

- NOTES**
- CHECK CONDUIT AND CABLE SCHEDULE FOR CABLE AND WIRE SIZE.
 - THE ROUTING AND TERMINATION OF CONDUIT AND THE PLACING OF POLES AND CABINETS SHALL BE AS INDICATED ON PLANS. ALL CHANGES SHALL BE APPROVED BY THE TRAFFIC ENGINEER.
 - SIGNAL CABLE SHALL BE A 10 AND 20 CONDUCTOR #14 A.W.G. CABLE I.M.S.A. SPEC 20-1.
 - LOOP CABLE SHALL BE ONE TWISTED PAIR OF #12 A.W.G. CABLE I.M.S.A. SPEC 19-2.
 - ALL SIGNAL LENSES SHALL BE 12" GLASS.
 - CALL DETECTORS TO BE CONNECTED DURING PHASE RED FOR ONE DETECTION AND THEN DISCONNECTED.
 - CONTROLLER SHALL BE HOUSED IN A TYPE "R" CABINET WITH EXHAUST FAN AND THERMOSTAT CONTROL.
 - CABINET SHALL BE PAINTED WHITE INSIDE AND OUT.
 - EACH LOOP DETECTOR LEAD-IN REPRESENTS A SEPARATE AMPLIFIER UNIT REQUIRED. (10 REQUIRED).
 - ALL NECESSARY AMPLIFIED UNITS, MODULES LIGHT CONTROL UNITS, FLASHERS, ETC. SHALL BE WIRED IN CABINET TO ACTIVATE THE FIVE PHASE OPERATION AS SHOWN IN DIAGRAM. ALL NECESSARY EQUIPMENT EXCEPT THE MODULES AND AMPLIFIERS SHALL BE WIRED INTO THE CABINET FOR FUTURE EIGHT PHASE OPERATION.
 - EACH STREETLIGHT LUMINAIRE SHALL BE FUSED IN CABINET USING IN LINE FUSEHOLDERS.
 - ALL PEDESTRIAN PUSH BUTTON SIGNS SHALL BE 9" X 12" WITH FULL MOUNTING BRACKET.
 - ALL CABLE AND WIRING SHALL BE INSTALLED TERMINAL TO TERMINAL, NO SPLICES ALLOWED.
 - POLES "A", "B", "C", AND "D" SHALL HAVE INTERNALLY ILLUMINATED STREET NAME SIGNS INSTALLED. THE POLES SHALL BE WIRED TO THE LUMINAIRE PHOTO CELL FOR CONTROL.
 - STREET NAME SIGN ON POLE "A" SHALL READ ANTELOPE WAY, ON POLE "C" SHALL READ ANTELOPE WAY, ON POLE "B" SHALL READ CHARLESTON BL (ALL SIGNS SHALL BE DOUBLE FACED).
 - ALL SIGNAL POLES SHALL CONFORM TO C.L.V. STANDARD SPEC. 404.402 AND 404.406.
 - LOOP DETECTORS TO BE LOCATED BY C.L.V. IN THE FIELD.
 - LUMINAIRE SHALL BE 400 WATTS HIGH PRESSURE SODIUM CUTOFF (G.E.M 400A) WITH MCLII DISTRIBUTION AND INDIVIDUAL P.E. CONTROL AND BUILT IN BALLASTS.
 - STREET NAME SIGN TO BE INSTALLED ON POLE "B" SHALL BE INSTALLED AS SHOWN IN CITY OF LAS VEGAS STANDARD DRAWINGS NO. 404.414.

- NOTE:**
- ALL CONDUIT SHALL BE 2" UNLESS OTHERWISE SPECIFIED
 - ALL PULL BOXES SHALL BE No.5 UNLESS OTHERWISE SPECIFIED
 - SERVICE CONDUCTORS SHALL BE No 6 AWG 3 BLACK & 1 WHITE TO THE CONTROLLER CABINET
 - POLES "A" & "C" HAVE EXISTING TYPE "H" FOUNDATIONS WITH 16 1/2 BOLT CIRCLES.

Scale 1" = 20'	Date	W.O. no.
Design by GEORGE DAMMEIR	Drawn by F. CALIXTO	Date
Approved by Supervisor of Traffic	Approved by the City Engineer	Date
Traffic Engineering Division		
TRAFFIC SIGNAL		
CHARLESTON BLVD & ANTELOPE WAY		
Department of Public Services		

AS BUILT



NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS, CITY OF CHARLESTON, SOUTH CAROLINA, LATEST EDITION.

2. ALL SIGNAL POLES SHALL BE 15' TALL UNLESS OTHERWISE SPECIFIED.

3. SIGNAL HEADS SHALL BE IN ACCORDANCE WITH THE CITY OF CHARLESTON SPECIFICATIONS.

4. SIGNAL SHALL BE 12" HIGH EXCEPT THE 'V' SIGNALS WHICH SHALL BE 18" HIGH.

5. ALL SIGNALS SHALL BE IN ACCORDANCE WITH THE CITY OF CHARLESTON SPECIFICATIONS.

6. ALL SIGNALS SHALL BE IN ACCORDANCE WITH THE CITY OF CHARLESTON SPECIFICATIONS.

7. ALL SIGNALS SHALL BE IN ACCORDANCE WITH THE CITY OF CHARLESTON SPECIFICATIONS.

8. ALL SIGNALS SHALL BE IN ACCORDANCE WITH THE CITY OF CHARLESTON SPECIFICATIONS.

9. ALL SIGNALS SHALL BE IN ACCORDANCE WITH THE CITY OF CHARLESTON SPECIFICATIONS.

10. ALL SIGNALS SHALL BE IN ACCORDANCE WITH THE CITY OF CHARLESTON SPECIFICATIONS.

- NOTES**
1. ALL WORK SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS, CITY OF CHARLESTON, SOUTH CAROLINA, LATEST EDITION.
 2. ALL SIGNAL POLES SHALL BE 15' TALL UNLESS OTHERWISE SPECIFIED.
 3. SIGNAL HEADS SHALL BE IN ACCORDANCE WITH THE CITY OF CHARLESTON SPECIFICATIONS.
 4. SIGNAL SHALL BE 12" HIGH EXCEPT THE 'V' SIGNALS WHICH SHALL BE 18" HIGH.

NO.	DESCRIPTION	QUANTITY	UNIT	AMOUNT	TOTAL
1	TRAFFIC SIGNAL	1	EA	100.00	100.00
2	SIGNAL POLE	1	EA	150.00	150.00
3	TRAFFIC SIGNAL	1	EA	100.00	100.00
4	SIGNAL POLE	1	EA	150.00	150.00
5	TRAFFIC SIGNAL	1	EA	100.00	100.00
6	SIGNAL POLE	1	EA	150.00	150.00
7	TRAFFIC SIGNAL	1	EA	100.00	100.00
8	SIGNAL POLE	1	EA	150.00	150.00
9	TRAFFIC SIGNAL	1	EA	100.00	100.00
10	SIGNAL POLE	1	EA	150.00	150.00
11	TRAFFIC SIGNAL	1	EA	100.00	100.00
12	SIGNAL POLE	1	EA	150.00	150.00
13	TRAFFIC SIGNAL	1	EA	100.00	100.00
14	SIGNAL POLE	1	EA	150.00	150.00
15	TRAFFIC SIGNAL	1	EA	100.00	100.00
16	SIGNAL POLE	1	EA	150.00	150.00
17	TRAFFIC SIGNAL	1	EA	100.00	100.00
18	SIGNAL POLE	1	EA	150.00	150.00
19	TRAFFIC SIGNAL	1	EA	100.00	100.00
20	SIGNAL POLE	1	EA	150.00	150.00

NO.	DESCRIPTION	QUANTITY	UNIT	AMOUNT	TOTAL
1	TRAFFIC SIGNAL	1	EA	100.00	100.00
2	SIGNAL POLE	1	EA	150.00	150.00
3	TRAFFIC SIGNAL	1	EA	100.00	100.00
4	SIGNAL POLE	1	EA	150.00	150.00
5	TRAFFIC SIGNAL	1	EA	100.00	100.00
6	SIGNAL POLE	1	EA	150.00	150.00
7	TRAFFIC SIGNAL	1	EA	100.00	100.00
8	SIGNAL POLE	1	EA	150.00	150.00
9	TRAFFIC SIGNAL	1	EA	100.00	100.00
10	SIGNAL POLE	1	EA	150.00	150.00
11	TRAFFIC SIGNAL	1	EA	100.00	100.00
12	SIGNAL POLE	1	EA	150.00	150.00
13	TRAFFIC SIGNAL	1	EA	100.00	100.00
14	SIGNAL POLE	1	EA	150.00	150.00
15	TRAFFIC SIGNAL	1	EA	100.00	100.00
16	SIGNAL POLE	1	EA	150.00	150.00
17	TRAFFIC SIGNAL	1	EA	100.00	100.00
18	SIGNAL POLE	1	EA	150.00	150.00
19	TRAFFIC SIGNAL	1	EA	100.00	100.00
20	SIGNAL POLE	1	EA	150.00	150.00

NO.	DESCRIPTION	QUANTITY	UNIT	AMOUNT	TOTAL
1	TRAFFIC SIGNAL	1	EA	100.00	100.00
2	SIGNAL POLE	1	EA	150.00	150.00
3	TRAFFIC SIGNAL	1	EA	100.00	100.00
4	SIGNAL POLE	1	EA	150.00	150.00
5	TRAFFIC SIGNAL	1	EA	100.00	100.00
6	SIGNAL POLE	1	EA	150.00	150.00
7	TRAFFIC SIGNAL	1	EA	100.00	100.00
8	SIGNAL POLE	1	EA	150.00	150.00
9	TRAFFIC SIGNAL	1	EA	100.00	100.00
10	SIGNAL POLE	1	EA	150.00	150.00
11	TRAFFIC SIGNAL	1	EA	100.00	100.00
12	SIGNAL POLE	1	EA	150.00	150.00
13	TRAFFIC SIGNAL	1	EA	100.00	100.00
14	SIGNAL POLE	1	EA	150.00	150.00
15	TRAFFIC SIGNAL	1	EA	100.00	100.00
16	SIGNAL POLE	1	EA	150.00	150.00
17	TRAFFIC SIGNAL	1	EA	100.00	100.00
18	SIGNAL POLE	1	EA	150.00	150.00
19	TRAFFIC SIGNAL	1	EA	100.00	100.00
20	SIGNAL POLE	1	EA	150.00	150.00

Department of Public Services
 CHARLESTON BLVD
 ANTELOPE WAY
 TRAFFIC SIGNAL

