

CONDUIT-CABLE SCHEDULE

RUN NO.	FROM	TO	CONDUIT SIZE	SIGNAL CABLE	DET. LEADS	LIGHTING CIRCUIT	GRND. WIRE	INTER-CONNECT	OPTICOM CABLE	SERVICE
1	PULL BOX SPECIAL JCT. BOX	PULL BOX POLE (A)	2"		XXX			X		
2	PULL BOX POLE (A)	PULL BOX CONTROLLER @ HONOLULU	3"	⊗	XXXX	2-#10	1-#8	X		
3	PULL BOX CONTROLLER @ HONOLULU	PULL BOX # 1 DETS	3"	⊗	XXX	2-#10	1-#8	X		
4	PULL BOX # 1 DETS	PULL BOX POLE (C)	3"	⊗	XX	2-#10	1-#8	X		
5	PULL BOX POLE (C)	PULL BOX POLE (D)	2"	⊗		2-#10	1-#8			
6	PULL BOX CONTROLLER @ HONOLULU	CONTROLLER @ HONOLULU	2-3"	⊗	XXXX XXXXX	2-#10	1-#8	XXX	XX	
7	PULL BOX TERMINUS (A)	PULL BOX POLE (C)	1 1/2"		XX					
8	PULL BOX CONTROLLER	PULL BOX JCT. (A) & (A)	EXISTING 1 1/2"		X			XX		
9	PULL BOX JCT. (A) & (A)	PULL BOX CONTROLLER	EXISTING 1 1/2"					XX		
10	PULL BOX CONTROLLER @ RAMP CR3	CONTROLLER @ RAMP CR3	EXISTING 3-3"	⊗	XXXX XXXXX	2-#10	EXISTING 1-#2	XXXX	X	EXISTING 2-#2 2-#6
11	PULL BOX CONTROLLER @ RAMP CR3	PULL BOX TERMINUS (A)	EXISTING 1 1/2"		EE					
12	PULL BOX CONTROLLER @ RAMP CR3	PULL BOX POLE (E)	EXISTING 3"	⊗	EE X		EXISTING 1-#2	EXISTING XX		EXISTING 2-#2 2-#6
13	PULL BOX CONTROLLER @ RAMP CR3	PULL BOX POLE (E)	1-3" 1-2"	⊗	XXXX	2-#10	1-#8		X	
14	PULL BOX POLE (E)	PULL BOX POLE (E)	1-3" 1-2"	⊗	XXXX	2-#10	1-#8			
15	PULL BOX POLE (E)	PULL BOX POLE (E)	3"	⊗		2-#10	1-#8			
16	PULL BOX POLE (E)	PULL BOX POLE (E)	2"	⊗		2-#10	1-#8			
17	PULL BOX POLE (E)	PULL BOX TERMINUS (A)	2"		XXXX					
18	PULL BOX POLE (E)	PULL BOX TERMINUS (A)	1 1/2"		X					
19	PULL BOX POLE (E)	PULL BOX TERMINUS (A)	EXISTING 1 1/2"		EE					
20	PULL BOX POLE (E)	PULL BOX JCT. (A) & (A)	EXISTING 2"		X		EXISTING 1-#2	EXISTING XX		EXISTING 2-#2 2-#6
21	PULL BOX JCT. (A) & (A)	PULL BOX CONTROLLER @ RAMP CR2	EXISTING 2"				EXISTING 1-#2	EXISTING XX		EXISTING 2-#2 2-#6
22	PULL BOX CONTROLLER @ RAMP CR2	CONTROLLER @ RAMP CR2	2-3"	⊗	XXXX XXXXX	2-#10	1-#8	XXX	X	
23	PULL BOX CONTROLLER @ RAMP CR2	PULL BOX JCT. (A) & (A)	1-3" 1-2"	⊗	XXX XXXX	2-#10	1-#8			
24	PULL BOX JCT. (A) & (A)	PULL BOX POLE (E)	3"	⊗	XXXX	2-#10	1-#8			
25	PULL BOX POLE (E)	PULL BOX POLE (E)	2"	⊗		2-#10	1-#8			
26	PULL BOX POLE (E)	PULL BOX TERMINUS (A)	1 1/2"		X					
27	PULL BOX POLE (E)	PULL BOX TERMINUS (A)	1 1/2"		XXXX					

CONDUIT-CABLE SCHEDULE CONTINUE

RUN NO.	FROM	TO	CONDUIT SIZE	SIGNAL CABLE	DET. LEADS	LIGHTING CIRCUIT	GRND. WIRE	INTER-CONNECT	OPTICOM CABLE	SERVICE
28	PULL BOX CONTROLLER @ RAMP CR2	PULL BOX POLE (E)	EXISTING 3"	⊗	XXX	2-#10	1-#8	EXISTING X	X	
29	PULL BOX POLE (E)	PULL BOX TERMINUS (A)	EXISTING 1 1/2"		XXX			EXISTING X		
30	SERVICE #1	CONTROLLER @ RAMP CR3	EXISTING 3"			EXISTING 2-#10	EXISTING 1-#2			EXISTING 4-#2 2-#6
31	SERVICE #2	PULL BOX CONTROLLER @ HONOLULU	2"			2-#10	1-#2			2-#2
32	POWER SOURCE	SERVICE #2	2"							3-#0

CONDUIT-CABLE SCHEDULE NOTES

- ⊗ INDICATES 20 CONDUCTOR NO. 14 AWG CABLE, ⊙ INDICATES 15 CONDUCTOR NO. 14 AWG.
- LOOP DETECTOR CABLE SHALL BE ONE TWISTED PAIR OF #12 AWG CABLE I.M.S.A. SPEC. 19-2.
- SIGNAL CONDUCTOR CABLE SHALL BE INSTALLED "HOME RUN" TERMINAL BLOCK TO CONTROLLER WITH NO SPLICING ALLOWED. CONDUCTORS IN POLES PAST TERMINAL BLOCK SHALL BE INDIVIDUAL, COLOR CODED NO. 14 AWG CONDUCTORS.
- SIGNAL CABLE SHALL CONFORM TO I.M.S.A. SPEC. 20-1.
- THE CONTRACTOR SHALL INSTALL AND CONNECT A SIX (6) PAIR NO. 22 AWG CONDUCTOR CABLE (INTER-CONNECT CABLE) FROM THE SPECIAL JUNCTION CABINET IN THE RAISED ISLAND AT "C" 1+70+ TO THE CONTROLLER (AT HONOLULU ST) WITH NO SPLICING ALLOWED. SEE NOTES FOR INTERCEPTING INTERCONNECT CABLE ON SHEET T-1.
- ALL PULL BOXES SHALL BE NO. 5 UNLESS OTHERWISE NOTED.
- OPTICOM DETECTOR CABLE SHALL BE A 3 CONDUCTOR NO. 20 AWG CABLE (SEE SPECIAL PROVISIONS).
- "E" INDICATES EXISTING DETECTOR LEADS AND "X" INDICATES NEW DETECTOR LEADS IN COLUMN FOR DETECTOR LEADS.

POLE SCHEDULE NOTES

- * INDICATES PROGRAMMED VISIBILITY HEAD. (E) REPRESENTS EXISTING SIGNAL HEAD.
- LUMINAIRES SHALL BE 400 WATT HIGH PRESSURE SODIUM 90 DEG. CUT OFF (GE #400A C646N506 OR APPROVED EQUAL) WITH IES III DISTRIBUTION AND REGULATOR BALLAST (120 VAC) AND INDIVIDUAL P. E. CONTROL.
- ALL POLES ARE TO BE PRIME PAINTED BY MANUFACTURER AND FINISH PAINTED BY CONTRACTOR. (SEE SPECIAL PROVISIONS).
- ALL NEW TYPE 35 POLES SHALL BE EQUIPPED WITH A HIGHRISE LUMINAIRE ARM AND A MINIMUM MOUNTING HEIGHT OF 35 FEET.
- THE PEDESTRIAN SIGNAL HEADS SHALL BE INTERNATIONAL SYMBOL (HAND AND WALKING MAN) NEON MODULES. CLAMSHELL MOUNTINGS SHALL BE USED (WITH A 12 POSITION TERMINAL STRIP). PUSH BUTTON DETECTOR SIGNS SHALL BE SYMBOL TYPE. DIRECTION OF MAN WALKING SHALL MATCH THE ARROW DIRECTION SHOWN IN SCHEDULE ABOVE. SEE SHEET NO. T-10 FOR PEDESTRIAN PUSH BUTTON SIGN DETAIL.
- EXISTING POLE (E) (SEE SHEET T-7) IS RELOCATED TO POLE (E) COMPLETE WITH MAST ARM, LUMINAIRE ARM, VEHICLE SIGNALS, PEDESTRIAN SIGNALS, AND PEDESTRIAN PUSH BUTTONS.
- POLE (E) IS RELOCATED POLE NO. (E). THE LUMINAIRE, VEHICLE SIGNALS, PEDESTRIAN SIGNALS, AND PEDESTRIAN PUSH BUTTONS SHALL BE ATTACHED AS PER POLE SCHEDULE.
- POLE (E) IS EXISTING POLE NO. (E). NO EQUIPMENT ADJUSTMENT WILL BE NECESSARY.
- POLE (E) IS EXISTING POLE NO. (E). MOUNT TWO VEHICLE SIGNALS TO EXISTING MAST ARM.
- POLE (E) IS RELOCATED POLE NO. (E). MODIFY EXISTING "B-1" SIGNAL ASSEMBLY TO "B-2" SIGNAL ASSEMBLY AS PER CITY OF LAS VEGAS DRAWING NO. 404.1024. (NEW IW3C SIGNAL HEAD WITH BACK PLATE REQUIRED).
- POLE (E) IS RELOCATED POLE NO. (E). REMOVE EXISTING WT-2 PEDESTRIAN SIGNAL AND INSTALL NEW PEDESTRIAN SIGNAL AS PER SCHEDULE.
- THE COST OF RELOCATING POLES SHALL BE PAID FOR UNDER BID ITEM "REMOVE AND RESET SIGNAL POLE" EACH.

POLE SCHEDULE NOTES CONTINUE

- THE FOLLOWING ITEMS WILL BE REMOVED FROM EXISTING POLES AND RESET TO NEW OR RELOCATED POLES AS FOLLOWS:
 - FROM POLE NO. (E) TWO MAST ARM SIGNALS, "WS-1" PEDESTRIAN SIGNAL ASSEMBLY, AND ONE PEDESTRIAN PUSH BUTTON TO POLE (E). THE "B-1" ASSEMBLY SHALL BE RELOCATED TO POLE (E).
 - FROM POLE NO. (E) TWO MAST ARM SIGNALS TO POLE NO. (E). "B-1" SIGNAL ASSEMBLY, WS-2 PEDESTRIAN SIGNAL ASSEMBLY AND TWO PEDESTRIAN PUSH BUTTONS TO POLE NO. (E).
 - FROM POLE NO. (E) TWO MAST ARM SIGNALS TO POLE NO. (E).
 - FROM POLE NO. (E) TWO PEDESTRIAN PUSH BUTTONS TO POLE NO. (E).
- RELOCATION OF VEHICLE SIGNAL HEADS AND PEDESTRIAN SIGNAL HEADS SHALL BE PAID FOR UNDER BID ITEM "REMOVE AND RESET SIGNAL HEAD" EACH. RELOCATION OF PEDESTRIAN PUSH BUTTONS AND TENON INSTALLATION SHALL BE INCLUDED WITH OTHER ITEMS OF WORK WITH NO DIRECT PAYMENT.
- INTERNALLY ILLUMINATED STREET NAME SIGNS SHALL BE INSTALLED ON POLE NO. (E) AND SHALL READ "HONOLULU ST", ALSO POLE NO. (E) AND SHALL READ "SANDHILL RD." SIGNS SHALL BE WIRED TO LUMINAIRE P.E. CONTROL (SEE STANDARD SHEET T-30.1.5).
- A R10-5(S) (36" X 24") SIGN SHALL BE INSTALLED ON MAST ARMS OF POLE NOS. (E) AND (E). A R3-8(S) (30" X 42") SHALL BE INSTALLED ON POLE SHAFT OF POLE NO. (E) SO AS NOT TO BE IN CONFLICT WITH SIGNAL MOUNTED ON SIDE OF POLE.
- SEE SHEET T-6 FOR LOADING REQUIREMENTS FOR ALL TYPE 35 POLES.

FED. RD. REG. NO.	STATE	PROJECT NO.	COUNTY	SHEET NO.
9	NEVADA	ID-IDG-515-1(16)0	CLARK	T-3

POLE SCHEDULE

NO.	STATION	TYPE	SIGNAL ARM QUAD		LUM. ARM QUAD		TYPE	MOUNT	QUAD.	MOUNT.	QUAD.	QUAD.	PED. BUTTON
			LENGTH	LENGTH	LENGTH	LENGTH							
(A)	"C" 3+75 50' LT.	35	3	40	3	15	1W3C* M-2 1W3C M-2 1W3C 2W3C	M-2 M-2 B-2a	MAST ARM MAST ARM MAST ARM 1	WCS-2	1	2 3	LT. RT.
(B)	"C" 4+40 57' LT. RELOCATED POLE NO. (E)	35	4	30	4	15	1W3C (E) 1W3C (E) 1W3C (E)	M-2 M-2 B-1	MAST ARM MAST ARM MAST ARM 2	WS-1 (E)	2	3 (E)	LT.
(C)	"C" 4+43 63' RT.	35	1	50	1	15	1W3C 1W3C 1W3C	M-2 M-2 B-1	MAST ARM MAST ARM MAST ARM 3	WCS-1	3	1	RT.
(D)	"C" 3+68 65' RT. RELOCATED POLE NO. (E)	35	2 (E)	30	2 (E)	15	1W3C 1W3C 2W3C	M-2 M-2 B-2a	MAST ARM MAST ARM MAST ARM 4	WCS-2	4	1 2	LT. RT.
(E)	"C" 7+77 50' LT.	7	-	-	3	15	1W3C (E)	B-1 (E)	2	WS-2 (E)	1	2 (E) 3 (E)	LT. RT.
(F)	"C" 8+20 50' LT.	1-B	-	-	-	-	-	-	-	WT-1	POST TOP	3	LT.
(G)	"C" 7+68 8' RT.	28	1	40	-	-	1W3C (E) 1W3C (E) 1W3C* 1W3C (E)	M-2 M-2 M-2 M-2	MAST ARM MAST ARM MAST ARM MAST ARM	WCS-2	4	4	BOTH
(H)	"C" 8+18 84' RT.	35	1	40	1	15	1W3C (E) 1W3C (E) 2W3C	M-2 M-2 B-2	MAST ARM MAST ARM MAST ARM 3	WS-1 (E)	3	1 (E)	RT.
(I)	"C" 7+38 77' RT.	7	-	-	2	15	1W3C (E)	B-1 (E)	3	WCS-2	3	1 (E) 2 (E)	LT. RT.
(J)	"C" 12+40 45' LT. EXISTING POLE NO. (E)						DO NOT DISTURB NO EQUIPMENT ADJUSTMENT NECESSARY.						
(K)	"C" 13+05 40' LT. EXISTING POLE NO. (E)	35	4 (E)	30	4 (E)	15	1W3C 1W3C 1W3C (E) 1W3C (E)	M-2 M-2 B-1 B-1	MAST ARM MAST ARM MAST ARM MAST ARM	WS-2 (E)	2 (E)	3 (E) 4 (E)	LT. RT.
(L)	"C" 13+12 82' RT. RELOCATED POLE NO. (E)	35	1 (E)	45	1 (E)	15	1W3C (E) 1W3C (E) 1W3C (E) 1W3C	M-2 M-2 M-2 B-2	MAST ARM MAST ARM MAST ARM MAST ARM	WCS-2	3	4 1 (E)	LT. RT.
(M)	"C" 12+64 82' RT. RELOCATED POLE NO. (E)	1-B	-	-	-	-	-	-	-	WT-1	POST TOP	1	LT.

STATE OF NEVADA
DEPARTMENT OF TRANSPORTATION
CONDUIT, POLE SCHEDULES
& NOTES FOR CHARLESTON BLVD.
SIGNAL SYSTEM

46067