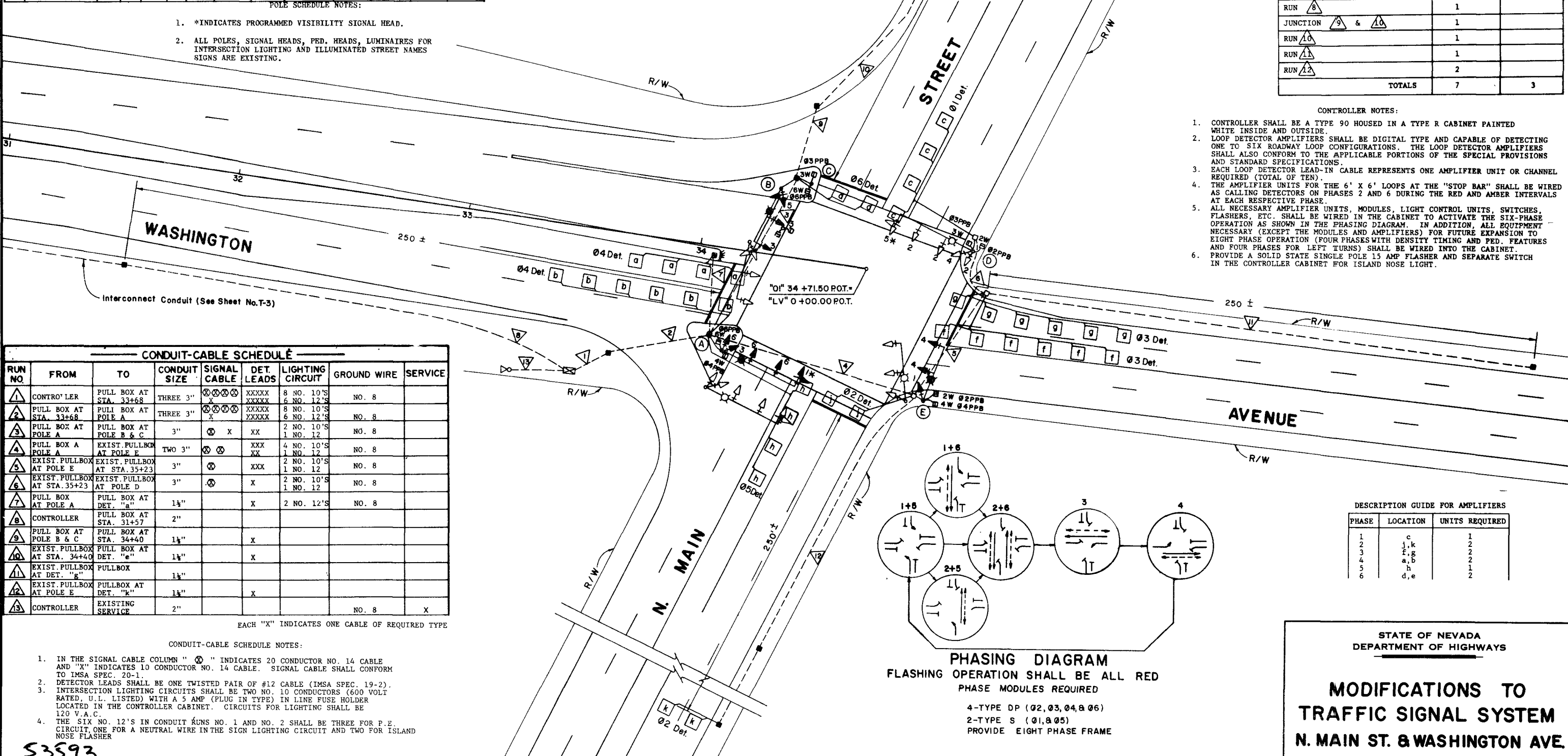
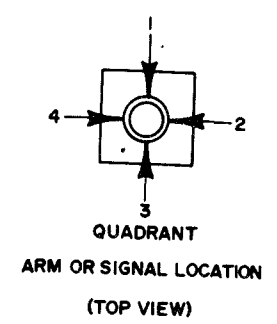


POLE SCHEDULE													
NO.	STATION	POLE			SIGNALS VEH.		SIGNALS PED.		PED. BUTTON				
		TYPE	SIGNAL ARM QUAD. LENGTH	LUM. ARM QUAD. LENGTH	TYPE	MOUNT	QUAD.	MOUNT	QUAD.	QUAD.	ARROW		
A	"01" 34+15 (44' RT.) (RELOCATED)	20	2	35'	2	10'	1W3C* 1W3C 1W3C	M-2 M-2 M-2	MAST ARM MAST ARM MAST ARM	W-3 4 1	2 2 1	LT. RT.	
B	"01" 34+30 (28' LT.) (RELOCATED)	20	3	25'	3	10'	1W3C 1W3C 1W3C	M-2 M-2 M-2	MAST ARM MAST ARM MAST ARM	1 1 1	- - -	- - -	
C	"01" 34+40 (33' LT.) (RELOCATED)	1-B	-	-	-	-	-	-	-	W-2	POST TOP	2 3	LT. RT.
D	EXISTING	20	4	35'	4	10'	1W3C* 1W3C 1W3C 1W3C	M-2 M-2 M-2 M-2	MAST ARM MAST ARM MAST ARM MAST ARM	W-3 2 3 4	2 3 4	LT. RT.	
E	"01" 35+03 (52' RT.) (RELOCATED)	20	1	25'	1	10'	1W3C 1W3C 1W3C	M-2 M-2 M-2	MAST ARM MAST ARM MAST ARM	W-3 3 4	3 4	RT. LT.	

- POLE SCHEDULE NOTES:
- \*INDICATES PROGRAMMED VISIBILITY SIGNAL HEAD.
  - ALL POLES, SIGNAL HEADS, PED. HEADS, LUMINAIRES FOR INTERSECTION LIGHTING AND ILLUMINATED STREET NAMES SIGNS ARE EXISTING.



CONDUIT-CABLE SCHEDULE							
RUN NO.	FROM	TO	CONDUIT SIZE	SIGNAL CABLE	DET. LEADS	LIGHTING CIRCUIT	GROUND WIRE SERVICE
1	CONTROLLER	PULL BOX AT STA. 33+68	THREE 3"	XXXXX	XXXXX	8 NO. 10'S 6 NO. 12'S	NO. 8
2	PULL BOX AT STA. 33+68	PULL BOX AT POLE A	THREE 3"	XXXXX	XXXXX	8 NO. 10'S 6 NO. 12'S	NO. 8
3	PULL BOX AT POLE A	PULL BOX AT POLE B & C	3"	X	XX	2 NO. 10'S 1 NO. 12'	NO. 8
4	PULL BOX A POLE A	EXIST. PULLBOX AT POLE E	TWO 3"	X	XX	4 NO. 10'S 1 NO. 12'	NO. 8
5	EXIST. PULLBOX AT POLE E	EXIST. PULLBOX AT STA. 35+23	3"	X	XXX	2 NO. 10'S 1 NO. 12'	NO. 8
6	EXIST. PULLBOX AT STA. 35+23	EXIST. PULLBOX AT POLE D	3"	X	X	2 NO. 10'S 1 NO. 12'	NO. 8
7	PULL BOX AT POLE A	PULL BOX AT DET. "a"	1 1/2"	X	X	2 NO. 12'S	NO. 8
8	CONTROLLER	PULL BOX AT STA. 31+57	2"				
9	PULL BOX AT POLE B & C	PULL BOX AT STA. 34+40	1 1/2"	X	X		
10	EXIST. PULLBOX AT STA. 34+40	PULL BOX AT DET. "e"	1 1/2"	X	X		
11	EXIST. PULLBOX AT DET. "g"	PULLBOX	1 1/2"				
12	EXIST. PULLBOX AT POLE E	PULLBOX AT DET. "k"	1 1/2"	X	X		
13	CONTROLLER	EXISTING SERVICE	2"				NO. 8 X

EACH "X" INDICATES ONE CABLE OF REQUIRED TYPE

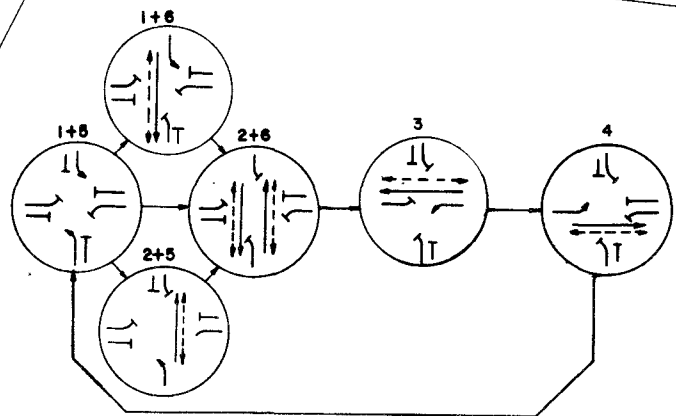
CONDUIT-CABLE SCHEDULE NOTES:

- IN THE SIGNAL CABLE COLUMN "X" INDICATES 20 CONDUCTOR NO. 14 CABLE AND "X" INDICATES 10 CONDUCTOR NO. 14 CABLE. SIGNAL CABLE SHALL CONFORM TO IMSA SPEC. 20-1.
- DETECTOR LEADS SHALL BE ONE TWISTED PAIR OF #12 CABLE (IMSA SPEC. 19-2).
- INTERSECTION LIGHTING CIRCUITS SHALL BE TWO NO. 10 CONDUCTORS (600 VOLT RATED, U.L. LISTED) WITH A 5 AMP (PLUG IN TYPE) IN LINE FUSE HOLDER LOCATED IN THE CONTROLLER CABINET. CIRCUITS FOR LIGHTING SHALL BE 120 V.A.C.
- THE SIX NO. 12'S IN CONDUIT RUNS NO. 1 AND NO. 2 SHALL BE THREE FOR P.E. CIRCUIT, ONE FOR A NEUTRAL WIRE IN THE SIGN LIGHTING CIRCUIT AND TWO FOR ISLAND NOSE FLASHER

PULL BOX SCHEDULE		
LOCATION	QUANTITY	
	NO. 3 1/2	NO. 5
JUNCTION 1 & 2		1
JUNCTION 3 & 4 & 5		1
JUNCTION 6 & 7		1
JUNCTION 8 & 9		EXISTING
JUNCTION 10 & 11		EXISTING
RUN 12		EXISTING
RUN 13	1	
RUN 14	1	
JUNCTION 15 & 16	1	
RUN 17	1	
RUN 18	1	
RUN 19	2	
TOTALS	7	3

CONTROLLER NOTES:

- CONTROLLER SHALL BE A TYPE 90 HOUSED IN A TYPE R CABINET PAINTED WHITE INSIDE AND OUTSIDE.
- LOOP DETECTOR AMPLIFIERS SHALL BE DIGITAL TYPE AND CAPABLE OF DETECTING ONE TO SIX ROADWAY LOOP CONFIGURATIONS. THE LOOP DETECTOR AMPLIFIERS SHALL ALSO CONFORM TO THE APPLICABLE PORTIONS OF THE SPECIAL PROVISIONS AND STANDARD SPECIFICATIONS.
- EACH LOOP DETECTOR LEAD-IN CABLE REPRESENTS ONE AMPLIFIER UNIT OR CHANNEL REQUIRED (TOTAL OF TEN).
- THE AMPLIFIER UNITS FOR THE 6' X 6' LOOPS AT THE "STOP BAR" SHALL BE WIRED AS CALLING DETECTORS ON PHASES 2 AND 6 DURING THE RED AND AMBER INTERVALS AT EACH RESPECTIVE PHASE.
- ALL NECESSARY AMPLIFIER UNITS, MODULES, LIGHT CONTROL UNITS, SWITCHES, FLASHERS, ETC. SHALL BE WIRED IN THE CABINET TO ACTIVATE THE SIX-PHASE OPERATION AS SHOWN IN THE PHASING DIAGRAM. IN ADDITION, ALL EQUIPMENT NECESSARY (EXCEPT THE MODULES AND AMPLIFIERS) FOR FUTURE EXPANSION TO EIGHT PHASE OPERATION (FOUR PHASES WITH DENSITY TIMING AND PED. FEATURES AND FOUR PHASES FOR LEFT TURNS) SHALL BE WIRED INTO THE CABINET.
- PROVIDE A SOLID STATE SINGLE POLE 15 AMP FLASHER AND SEPARATE SWITCH IN THE CONTROLLER CABINET FOR ISLAND NOSE LIGHT.



PHASING DIAGRAM  
FLASHING OPERATION SHALL BE ALL RED  
PHASE MODULES REQUIRED

- 4-TYPE DP (02, 03, 04, 06)
- 2-TYPE S (01, 05)
- PROVIDE EIGHT PHASE FRAME

DESCRIPTION GUIDE FOR AMPLIFIERS		
PHASE	LOCATION	UNITS REQUIRED
1	c	1
2	j,k	2
3	f,g	2
4	a,b	2
5	h	1
6	d,e	2

STATE OF NEVADA  
DEPARTMENT OF HIGHWAYS

**MODIFICATIONS TO  
TRAFFIC SIGNAL SYSTEM  
N. MAIN ST. & WASHINGTON AVE.**

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