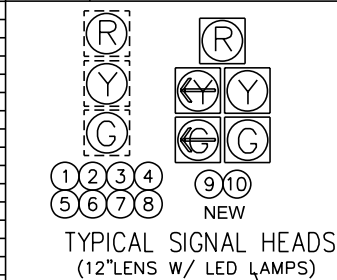


DESIGN FILE: I:\FIELD\VE\ELECTRICAL\SIGNAL\DWG\W3&95.dwg
WORKSTATION: rmoney
DATE: 10/14/2009

EXISTING MATERIAL		
DESCRIPTION	QUANTITY	UNITS
CONNECTOR KIT, TYPE VIII, CU	12	EACH
LIGHT POLE FOUNDATION, 24"x6" DEEP, APP	4	EACH
CONDUIT, 1", 713.04	498	LIN.FT.
CONDUIT, 1-1/2", 713.04	518	LIN.FT.
CONDUIT, 2", 713.04	778	LIN.FT.
CONDUIT, 3", 713.04	37	LIN.FT.
CONDUIT, JACKED OR DRILLED UNDER PAVEMENT, 2"	88	LIN.FT.
TRENCH, AS PER PLAN	1768	LIN.FT.
PULL BOX, 713.08, 18"	17	EACH
GROUND ROD, AS PER PLAN	9	EACH
PHOTOELECTRIC CONTROL	2	EACH
SIGN FLASHER ASSEMBLY, AS PER PLAN	4	EACH
VEHICULAR SIGNAL HEAD, 3-SECTION, 12" LENS, 1-WAY	8	EACH
VEHICULAR SIGNAL HEAD, 3-SECTION, 12" LENS, 2-WAY	1	EACH
COVERING OF VEHICULAR SIGNAL HEAD	9	EACH
LOOP DETECTOR UNIT, DELAY AND EXTENSION TYPE, APP	10	EACH
LOOP DETECTOR TIE-IN, AS PER PLAN	1	EACH
MESSENGER WIRE, 7-STRAND, 1/4" DIA., W/ ACCES.	145	LIN.FT.
MESSENGER WIRE, 7-STRAND, 3/8" DIA., W/ ACCES.	145	LIN.FT.
SIGNAL CABLE, 3 CONDUCTOR, NO. 14 AWG	2324	LIN.FT.
SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG	933	LIN.FT.
STRAIN POLE FOUNDATION, APP (3" DIA X 11" DEEP)	4	EACH
LOOP DETECTOR LEAD-IN CABLE, 2/C, NO. 14 AWG	4487	LIN.FT.
POWER CABLE, 2 CONDUCTOR, NO. 6 AWG	86	LIN.FT.
POWER CABLE, 3 CONDUCTOR, NO. 6 AWG	35	LIN.FT.
POWER SERVICE, AS PER PLAN	1	EACH
STRAIN POLE, TYPE TC-81.10, DESIGN 10, 32'	1	EACH
REMOVAL OF TRAFFIC SIGNAL INSTALLATION, APP	1	EACH
METER BASE, 100 AMP W/ BYPASS	1	EACH
STEEL STRAIN POLE, 7.5" DIA., 10.5" BOLT CIRCLE, 11 GA., 15'	4	EACH
STRAIN POLE, TYPE TC-81.10, DESIGN 10, 32', INSTALL ONLY	1	EACH
LOOP DETECTOR WIRE, TYPE E, AS PER PLAN	3014	LIN.FT.
CONTROLLER, ACTUATED, 8-PHASE, SOLID STATE DIGITAL MICRO.	1	EACH
CONTROLLER WORKPAD (3'X4')	22	SQ.FT.
FLASHER CONTROLLER (POLE MOUNTED @ P1)	1	EACH
CONCRETE FOR CABINET FOUNDATION	1.9	C.Y.

MATERIAL REQUIRED PROJ. 233-05			
REF. NO.	DESCRIPTION	QUANTITY	UNITS
24	SIGN, FLAT SHEET	10.0	SF
26	REMOVAL OF SIGN	2	EACH
-	VEH. SIGNAL HEAD, 5-SECTION, 12", 2-WAY, APP	1	EACH
46	SIGNAL CABLE, 5/C, NO. 14 AWG	72	FT
70	REMOVAL OF CONTROLLER	1	EACH
75	REMOVAL OF VEH. SIGNAL HEAD	1	EACH
92	REMOVE AND REINSTALL LASHING RODS	52	FT
94	CONTROLLER UNIT, TYPE TS2/A2, W/ CABINET, TYPE TS1 (EXISTING LOOP DETECTOR UNITS TO BE REUSED)	1	EACH
99	BATTERY BACKUP SYSTEM WITHOUT ENCLOSURE	1	EACH



** SIGNAL HEADS TO BE ASSEMBLED AND INSTALLED AS A 2-WAY HEAD

LOOP DETECTOR CHART						
LOOP	SIZE (FEET)	TURNS	MODE	DELAY SEC.	UNIT	PHASE
L-1	6X8	3	PULSE		1	2
L-2	6X8	3	PULSE		1	2
L-3	6X8	3	PULSE		2	2
L-4	6X8	3	PULSE		2	2
L-5	6X8	3	PULSE		3	2
L-6	6X8	3	PULSE		3	2
L-7	6X30	2	PRESENCE	4*	4	5
L-8	6X30	2	PRESENCE	4*	5	1
L-9	6X8	3	PULSE		6	6
L-10	6X8	3	PULSE		6	6
L-11	6X8	3	PULSE		7	6
L-12	6X8	3	PULSE		7	6
L-13	6X8	3	PULSE		8	6
L-14	6X8	3	PULSE		8	6
L-15	8X30	2	PRESENCE	10*	9	4
L-16	8X20	2	PRESENCE	10*	9	4
L-17	8X20	2	PRESENCE	10*	10	8
L-18	8X30	2	PRESENCE	10*	10	8

* INHIBIT DELAY DURING ASSOC. PHASE GREEN

