

DESIGN FILE: I:\FIELD\N\ELECTRICAL\SIGNAL\DGN\L20&301EB.dgn
WORKSTATION: rronney DATE: 10/29/2009

TRAFFIC SIGNAL QUANTITIES

ITEM	QTY.	UNIT	DESCRIPTION
603	100	FT	4" CONDUIT, TYPE E
625	610	FT	CONDUIT, 1-1/2", 725.05
625	385	FT	CONDUIT, 2", 725.05
625	105	FT	CONDUIT, 3", 725.05
625	197	FT	CONDUIT JACKED OR DRILLED UNDER PAVEMENT, 2", AS PER PLAN
625	50	FT	CONDUIT JACKED OR DRILLED UNDER PAVEMENT, 3", AS PER PLAN
625	12	EACH	PULL BOX, 725.08, 18", AS PER PLAN
625	1	EACH	PULL BOX, 725.08, 24", AS PER PLAN
625	3	EACH	GROUND ROD, AS PER PLAN
632	4	EACH	VEHICULAR SIGNAL HEAD, 3-SECTION, 12" LENS, 1-WAY, AS PER PLAN
632	1	EACH	VEHICULAR SIGNAL HEAD, 3-SECTION, 12" LENS, 2-WAY, AS PER PLAN
632	4	EACH	DETECTOR LOOP
632	2	EACH	DETECTOR LOOP, AS PER PLAN (L-1 & L-2)
632	6	EACH	LOOP DETECTOR UNIT, DELAY AND EXTENSION TYPE, AS PER PLAN
632	1	EACH	DISCONNECT SWITCH WITH ENCLOSURE, AS PER PLAN
632	1	EACH	BREAKAWAY TETHER CONNECTION
632	130	FT	MESSENGER WIRE, 7-STRAND, 1/4" DIA. W/ ACC. (TETHER)
632	130	FT	MESSENGER WIRE, 7-STRAND, 3/8" DIA. W/ ACC.
632	302	FT	SIGNAL CABLE, 5/C, #14 AWG
632	121	FT	SIGNAL CABLE, 7/C, #14 AWG
632	514	FT	INTERCONNECT CABLE, INTEG. MESS. WIRE TYPE, 6 PR, #19 AWG, SOLID, REA (PE-38), APP
632	2	EACH	STRAIN POLE FOUNDATION, AS PER PLAN
632	1367	FT	LOOP DETECTOR LEAD-IN CABLE, 2/C, NO. 14 AWG
632	41	FT	POWER CABLE, 2/C, NO. 6 AWG
632	35	FT	POWER CABLE, 3/C, NO. 6 AWG
632	1029	FT	SERVICE CABLE, 3/C, NO. 6 AWG
632	1	EACH	POWER SERVICE, AS PER PLAN
632	1	EACH	CONDUIT RISER, 2" DIAMETER
632	1	EACH	STRAIN POLE, TYPE TC-81.10, DESIGN 10, AS PER PLAN
632	1	EACH	WOOD POLE, CLASS 5, 35'
632	1	EACH	DOWN GUY
632	1	EACH	SIGNALIZATION, MISC.; STRAIN POLE EXTENSION WITH 30' LUMINAIRE ARM
632	1	EACH	SIGNALIZATION, MISC.; STRAIN POLE, TYPE TC-81.10, INSTALLATION ONLY
632	1	EACH	SIGNALIZATION, MISC.; VIDEO DETECTION CAMERA
632	1	EACH	SIGNALIZATION, MISC.; VIDEO DETECTION SYSTEM CABINET HARDWARE
633	1	EACH	CONTROLLER UNIT, TYPE TS2/A2, WITH CABINET, TYPE TS-1, AS PER PLAN
633	1	EACH	CONTROLLER, MASTER, TRAFFIC RESPONSIVE
633	1	EACH	CABINET FOUNDATION, AS PER PLAN
633	3	EACH	CONTROLLER WORKPAD, AS PER PLAN

LOOP DETECTOR CHART

LOOP	SIZE (FEET)	TURNS	MODE	DELAY SEC.	UNIT	PHASE	COMMENTS
L-1	6X8	4	PULSE		1	2	
L-2	6X12	4	PULSE		2	2	
L-3	6X20	4	PRESENCE		3	6	
L-4	10X35	2-4-2	PRESENCE	10*	4	4	
L-5	6X20	3	PRESENCE	10*	5	4	
L-6	6X10	4	PULSE	3*	6	4	
DZ-1	8X8	NA	PULSE		NA	6	DETECTION FIELD AT 254' FROM STOP
DZ-2	8X8	NA	PULSE		NA	6	DETECTION FIELD AT 254' FROM STOP
DZ-3	8X8	NA	PULSE		NA	6	DETECTION FIELD AT 384' FROM STOP

* INHIBIT DELAY DURING ASSOC. PHASE GREEN

NOTES

- (A) 3" CONDUIT: 2-5/C & 1-7/C SIGNAL CABLE
- (B) 2" CONDUIT: 1-2/C POWER & 1-3/C SERVICE
- (C) 3" CONDUIT: 2-5/C & 1-7/C SIGNAL CABLE
- (D) 1-1/2" CONDUIT: 1-2/C POWER
- (E) 3" CONDUIT: 5-2/C LEAD-IN CABLE
- (F) 1-1/2" CONDUIT: 1-2/C LEAD-IN CABLE
- (G) 2" CONDUIT JACKED OR DRILLED: 1-3/C SERVICE CABLE
- (H) 3" CONDUIT JACKED OR DRILLED: 2-3/C SERVICE CABLE
- (I) 3" CONDUIT JACKED OR DRILLED: 2-3/C SERVICE CABLE
- (J) 3" CONDUIT JACKED OR DRILLED: 2-3/C SERVICE CABLE
- (K) 3" CONDUIT JACKED OR DRILLED: 2-3/C SERVICE CABLE
- (L) 3" CONDUIT JACKED OR DRILLED: 2-3/C SERVICE CABLE
- (M) 3" CONDUIT JACKED OR DRILLED: 2-3/C SERVICE CABLE
- (N) 3" CONDUIT JACKED OR DRILLED: 2-3/C SERVICE CABLE
- (O) 3" CONDUIT JACKED OR DRILLED: 2-3/C SERVICE CABLE
- (P) 3" CONDUIT JACKED OR DRILLED: 2-3/C SERVICE CABLE
- (Q) 3" CONDUIT JACKED OR DRILLED: 2-3/C SERVICE CABLE
- (R) 3" CONDUIT JACKED OR DRILLED: 2-3/C SERVICE CABLE
- (S) 3" CONDUIT JACKED OR DRILLED: 2-3/C SERVICE CABLE
- (T) 3" CONDUIT JACKED OR DRILLED: 2-3/C SERVICE CABLE
- (U) 3" CONDUIT JACKED OR DRILLED: 2-3/C SERVICE CABLE
- (V) 3" CONDUIT JACKED OR DRILLED: 2-3/C SERVICE CABLE
- (W) 3" CONDUIT JACKED OR DRILLED: 2-3/C SERVICE CABLE
- (X) 3" CONDUIT JACKED OR DRILLED: 2-3/C SERVICE CABLE
- (Y) 3" CONDUIT JACKED OR DRILLED: 2-3/C SERVICE CABLE
- (Z) 3" CONDUIT JACKED OR DRILLED: 2-3/C SERVICE CABLE

