



LEGEND OF SYMBOLS	
	VIDEO DETECTION ZONES
	SIGNAL POLE/MAST ARM SET UP
	SIGNAL HEAD NUMBERS
	CONTROLLER CABINET
	GROUND BOX TYPE D (LG)
	GROUND BOX TYPE E (SM)
	LUMINAIRE
	PHASE NUMBERS
	POLE NUMBERS
	CONDUIT RUN NUMBERS
	R.O.W. RIGHT OF WAY LINES
	VIVDS CAMERA
	ELECTRICAL SERVICE
	OPTICOM
	MAST ARM MOUNTED SIGN
	WIRELESS ETHERNET SUBSCRIBER



SIGNAL HEAD TYPES



V3 V4LT* (WITH COUNTDOWN) PED
 *WITH BI-MODAL YELLOW AND GREEN ARROWS.

ELECTRICAL SERVICE DATA

ELECTRICAL SERVICE DESCRIPTION SEE ED(4)	SERVICE CONDUIT SIZE (RMC)	SERVICE CONDUCTORS NO. / SIZE	MAIN CIRCUIT BREAKER POLE / AMP	TWO-POLE CONTACTOR AMPS	PANEL BOARD LOAD CENTER AMP RATING (MIN)	CIRCUIT NO.	BRANCH CKT. BRK. POLE / AMPS	KVA LOAD
TYD (120240) TO (NS) SS (E) PS (U)	2"	3 / #0	2P / 100	30	100	T.S. ILBN	1P / 50 2P / 20	< 7.1

NOTES:

- 1) SALVAGE EXISTING SIGNAL EQUIPMENT. RETURN TO TOWN OF ADDISON.
- 2) ALL POLES AND MAST ARMS TO BE POWDER COAT SILVER TO MATCH BELT LINE STREET LIGHTS.
- 3) ALL MAST ARM MOUNTED SIGNS SHALL HAVE HIGH INTENSITY PRISMATIC (HIP) SHEETING.
- 4) RELOCATE EXISTING STREET NAME SIGNS TO NEW POLES/MAST ARMS.
- 5) FURNISH AND INSTALL A 10' POLE EXTENSION ON T-1 SIGNAL ARM. CONTRACTOR TO INSTALL TOWN SUPPLIED WIRELESS ETHERNET SUBSCRIBER ON THE POLE EXTENSION. CONTRACTOR SHALL AIM THE ETHERNET SUBSCRIBER UNIT AS DIRECTED BY THE TOWN ENGINEER. WIRELESS RADIO TO BE MOUNTED BY OPTICOM HEAD ON T-1.
- 6) CONTRACTOR SHALL FURNISH AND INSTALL THE VIDEO SERVER AND HARDENED ETHERNET SWITCH INSIDE THE TRAFFIC SIGNAL CONTROLLER CABINET.
- 7) THE VIDEO SERVER SHALL BE INSTALLED BETWEEN THE VIVDS PROCESSOR AND HARDENED ETHERNET SWITCH (POLE T-1).
- 8) REMOVE ALL EXISTING FIELD WIRING AFTER NEW SIGNALS ARE PUT INTO SERVICE.
- 9) ALL EXISTING PULL BOXES TO TO BE REMOVED AND ABANDONED CONDUIT TO BE CUT AND CAPPED. SALVAGED PULL BOXES TO BE RETURNED TO TOWN OF ADDISON.

SIGNAL POLE CHART																				
POLE NUMBER	T-1					T-2					T-3					T-4				
MAST ARM LENGTH	55'					28'					55'					28'				
FOUNDATION TYPE	48-A					30-A					48-A					30-A				
WITH LUMINAIRES	NO					NO					NO					NO				
MAST ARM SIGNS	R10-12, R3-4					R10-5L					R10-12, R3-4					R3-8LL, R10-5L				
SIZE OF LENS	12"																			
SIGNAL TYPE	B	A	A	A	C	C	B	A	C	C	B	A	A	A	C	C	B	A	C	C
SIGNAL FACE NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
LED SIGNAL INDICATIONS	R	R	R	R	DW	DW	R	R	DW	DW	R	R	R	R	DW	DW	R	R	DW	DW
	Y	Y	Y	Y	W	W	Y	Y	W	W	Y	Y	Y	Y	W	W	Y	Y	W	W
	G	G	G	G			G	G			G	G	G	G			G	G		

ALL SIGNAL HEADS SHALL HAVE BLACK PLASTIC BACK PLATES. LEFT-TURN INDICATIONS WILL CONSIST OF 4 SECTION HEADS WITH BI-MODAL YELLOW AND GREEN ARROWS. ALL MAST ARMS WILL HAVE LED ILLUMINATED STREET NAME SIGNS.



S.P. Booth, P.E. 1/24/2014
 Signature of Registrant Date

NO.	REVISION	BY	DATE
TOWN OF ADDISON DALLAS COUNTY, TEXAS BELT LINE ROAD UNDERGROUND ELECTRICAL PROPOSED TRAFFIC SIGNAL LAYOUT BELT LINE RD AT RUNYON RD			
PROJECT	DESIGN	DRAWN	DATE
29350	HALFF	HALFF	NOV. 2013
FILE	SHEET		
29350_SGNL_07	TS-7		