

### CABLE TERMINATION CHART

CABLE CONDUCTOR	T-1		T-2		T-3		T-4	
	S.H. No.	INDICATION	S.H. No.	INDICATION	S.H. No.	INDICATION	S.H. No.	INDICATION
WHITE/BLACK	SPARE		SPARE		SPARE		SPARE	
WHITE	COMMON		COMMON		COMMON		COMMON	
RED	3-5	R	8-10	R	13-15	R	18-20	R
GREEN	3-5	G	8-10	G	13-15	G	18-20	G
ORANGE	3-5	Y	8-10	Y	13-15	Y	18-20	Y
GREEN/BLACK	SPARE		SPARE		SPARE		SPARE	
BLACK/WHITE	SPARE		10	→Y	15	→Y	20	→Y
BLUE/BLACK	SPARE		10	→C	15	→G	20	→G
BLACK	1-2	←Y	6-7	←Y	11-12	←Y	16-17	←Y
BLUE	1-2	←G	6-7	←G	11-12	←G	16-17	←G
BLACK/RED	SPARE		SPARE		SPARE		SPARE	
BLUE/RED	21	W	23	W	25	W	27	W
BLUE/WHITE	22	W	24	W	26	W	28	W
RED/BLACK	21	DW	23	DW	25	DW	27	DW
ORANGE/BLACK	22	DW	24	DW	26	DW	28	DW
RED/WHITE	PB-21	Ø8	PB-23	Ø2	PB-25	Ø4	PB-27	Ø6
ORANGE/RED	PB-22	Ø2	PB-24	Ø4	PB-26	Ø6	PB-28	Ø8
WHITE/RED	PBCOMMON		PBCOMMON		PBCOMMON		PBCOMMON	
GREEN/WHITE	SPARE		SPARE		SPARE		SPARE	
RED/GREEN	1-2	←R	6-7	←R	11-12	←R	16-17	←R

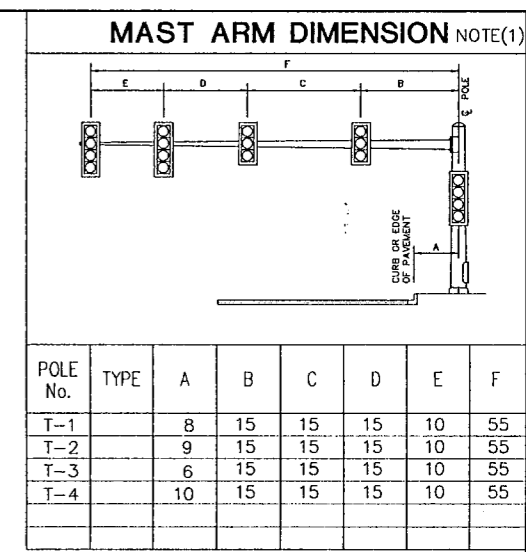
### SIGNAL HEADS \*\* NOTE(1)

No.	TYPE	BACKPLATE (12")		VEH SIG SEC (12")	PED. SIG. SEC.
		3 SEC.	4 SEC.		
1	V3LT	1		3	
2	V3LT	1		3	
3	V3	1		3	
4	V3	1		3	
5	V3	1		3	
6	V3LT	1		3	
7	V3LT	1		3	
8	V3	1		3	
9	V3	1		3	
10	V4RT		1	4	
11	V3LT	1		3	
12	V3LT	1		3	
13	V3	1		3	
14	V3	1		3	
15	V4RT		1	4	
16	V3LT	1		3	
17	V3LT	1		3	
18	V3	1		3	
19	V3	1		3	
20	V4RT		1	4	
21-22	143C				2
23-24	143C				2
25-26	143C				2
27-28	143C				2
TOTALS		17	3	63	8

\*\* FOR CONTRACTOR INFORMATION

### SMALL SIGN SUMMARY \*\*\*\*

SHT. NO.	SIGN NO.	SIGN TYPE	SIGN TEXT	SIGN DIMEN.	REFLECT. SHEET.	PLYWOOD TYPE A	ALUM. TYPE A	TYPE OF MOUNT
			LEFT ON GREEN ARROW ONLY	24" x 30"	C		X	MOUNT ON MAST ARMS T-1, T-2, T-3, T-4
			ONLY ONLY	30" x 30"	C		X	MOUNT ON MAST ARMS T-1, T-2, T-3, T-4
			(No Ped Sign)	30" x 30"	C		X	MOUNT ON MAST ARMS T-1, T-2, T-3, T-4



### ITEM 628 - ELECTRICAL SERVICE

LOCATION	TYPE	EA
N.E. CORNER OF MIDWAY RD AT BELT LINE RD.	TY S(120/240)000(NS)GS(E)SP(U)	1

\*\*\*\* NO SEPARATE PAY ITEM. SUBSIDIARY TO BID ITEM 680. FOR CONTRACTORS INFORMATION ONLY

REFLECTIVE SHEETING WILL BE DESIGNATED AS :

TYPE A - ENGINEER GRADE  
 TYPE B - SUPER ENGINEER GRADE  
 TYPE C - HIGH SPECIFIC INTENSITY

NOTES :  
 (1) THE TOWN OF ADDISON WILL PROVIDE AND THE CONTRACTOR SHALL PICK UP AND INSTALL SIGNAL POLES, MAST ARMS, TRANSFORMER BASES, SIGNAL HEADS, CONTROLLER CABINETS, CONTROLLERS, ANCHOR BOLTS FOR CONTROLLER CABINETS, TRAFFIC SIGNAL POLE ANCHOR BOLT ASSEMBLIES, AND PEDESTRIAN PUSH BUTTONS. THE CONTRACTOR SHALL PICK UP THESE ITEMS AT :

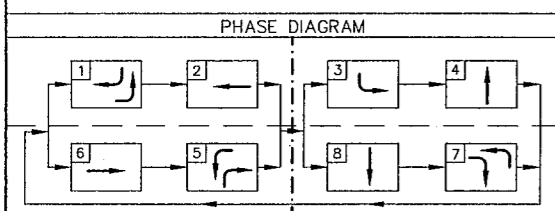
TOWN OF ADDISON SERVICE CENTER  
 16801 WESTGROVE DR.  
 ADDISON, TEXAS 75001  
 CONTACT JEFF MARKIEWCZ AT (972) 450-2871

INSTALLATION OF ITEMS PROVIDED BY THE TOWN OF ADDISON SHALL BE PAID FOR UNDER ITEM 680.

(2) TOWN OF ADDISON WILL PROVIDE OPTICOM CABLE AND OPTICOM HEADS AND THE CONTRACTOR SHALL INSTALL THEM. THE CONTRACTOR SHALL PICK UP THESE ITEMS AT THE TOWN OF ADDISON SERVICE CENTER AS SHOWN IN NOTE (1). INSTALLATION SHALL BE SUBSIDIARY TO ITEM 680.

(3) ALL ITEMS AND QUANTITIES SHOWN ON THIS SHEET ARE FOR THE MIDWAY ROAD/BELT LINE ROAD INTERSECTION.

(4) THE TOWN OF ADDISON WILL PROVIDE AND INSTALL SMALL ROADSIDE SIGNS UPON COMPLETION OF CONSTRUCTION.



### FOUNDATIONS - ITEM 656

POLE No.	DRILL SHAFT			TRAF SIG CNTRL FND	
	24" DIA LF	30" DIA LF	36" DIA LF	LOCATION	CY
T-1	-	-	14	N.E. CORNER MIDWAY RD/ BELT LINE RD	1.1
T-2	-	-	14		
T-3	-	-	14		
T-4	-	-	14		
TOTAL	-	-	56		1.1

### DETECTOR DETAILS

LOOP	DIMEN. (FT.)	TURNS	DET. CTR.	DEL INH	EXTEND	DELAY	ITEM 688 - DETECTORS (14 AWG) LOOP WIRE COLOR (LF.) **					SAW CUT (LF.)	PED DETECT* (PUSH BTN) NOTE(1)
							BLU	BLK	ORNG	BRN	GRN		
Ø1-1	5 x 60	1-2-1	PRESENCE		0.5	5	315					245	EA.
Ø1-2	5 x 60	1-2-1	PRESENCE		0.5	5		325				250	
Ø2-1	5 x 60	1-2-1	PRESENCE		0.5	5				280		200	
Ø2-2	5 x 60	1-2-1	PRESENCE		0.5	5				290		210	
Ø2-3	5 x 60	1-2-1	PRESENCE		0.5	5			300			220	
Ø2(PED)													2
Ø3-1	5 x 60	1-2-1	PRESENCE		0.5	5	310					225	
Ø3-2	5 x 60	1-2-1	PRESENCE		0.5	5		310				235	
Ø4-1	5 x 60	1-2-1	PRESENCE		0.5	5				280		200	
Ø4-2	5 x 60	1-2-1	PRESENCE		0.5	5				290		205	
Ø4-3	5 x 60	1-2-1	PRESENCE		0.5	5			300			215	
Ø4(PED)													2
Ø5-1	5 x 60	1-2-1	PRESENCE		0.5	5	315					230	
Ø5-2	5 x 60	1-2-1	PRESENCE		0.5	5		325				245	
Ø6-1	5 x 60	1-2-1	PRESENCE		0.5	5				290		210	
Ø6-2	5 x 60	1-2-1	PRESENCE		0.5	5			300			225	
Ø6-3	5 x 60	1-2-1	PRESENCE		0.5	5			310			235	
Ø6(PED)													2
Ø7-1	5 x 60	1-2-1	PRESENCE		0.5	5	290					230	
Ø7-2	5 x 60	1-2-1	PRESENCE		0.5	5		300				240	
Ø8-1	5 x 60	1-2-1	PRESENCE		0.5	5				270		195	
Ø8-2	5 x 60	1-2-1	PRESENCE		0.5	5				280		205	
Ø8-3	5 x 60	1-2-1	PRESENCE		0.5	5			290			215	
Ø8(PED)													2
SUBTOTAL							1230	1260	1200	1160	1120	4435	8

\*\* FOR CONTRACTOR INFORMATION

### ITEM 618

#### CONDUIT SUMMARY

TYPE	LENGTH (LF)
4" PVC (BORE)	625
3" PVC (TRENCH)	40
2" PVC (TRENCH)	2770
1 1/2" RM	30
1" PVC *	150

\* DETECTOR LEAD-IN PAIRS OR GROUP OF PAIRS VARIABLE LENGTH

### ITEM 624

#### GROUND BOX SUMMARY

TYPE	EA
A	11
C	1

### CNDRS INSIDE POLE

SIGNAL POLE	ITEM 684 TYPE A		
	3 CNDR. (2) CABLE (LF)	5 CNDR. CABLE (LF)	7 CNDR. CABLE (LF)
T-1	55	255	0
T-2	55	245	10
T-3	55	245	10
T-4	55	245	10
TOTAL	220	990	30

(2) SEE NOTE (2)

### CONDUIT RUNS (LF.)

RUN No.	SIZE/TYPE CONDUIT	ITEM 620	ITEM 6031	ITEM 684		LENGTH OF RUN	
		ELECTRICAL CONDUCTORS	COMMUN CABLE	TYP. C	TYP. A		
A	1-3" PVC (TRENCH)	1		1	1	10	
B	1-4" PVC (BORE)	1	1	10	2	75	
C	1-4" PVC (BORE)	1	2	10	2	65	
D	1-3" PVC (TRENCH)	1		1	1	10	
E	2-4" PVC (TRENCH)	2	4	20	4	10	
F	1-4" PVC (BORE)	1	2	5	1	85	
G	1-4" PVC (BORE)	1	1	5	1	55	
H	1-4" PVC (BORE)		1			80	
I	1-4" PVC (BORE) EMPTY					60	
J	1-3" PVC (TRENCH)	1		1	1	10	
K	1-4" PVC (BORE)	1		5	1	90	
L	1-4" PVC (BORE)	1	1	5	1	55	
M	1-3" PVC (TRENCH)	1		1	1	10	
O	2-2" PVC (TRENCH)		1			220	
P	2-2" PVC (TRENCH)		1			195	
Q	2-2" PVC (TRENCH)		1			185	
R	2-2" PVC (TRENCH)		1			230	
Z	2-2" PVC (TRENCH)		1			225	
AA	2-2" PVC (TRENCH)		1			180	
BB	1-4" PVC (BORE)		1			60	
CC	2-2" PVC (TRENCH)		1			150	
DD	1 - 1 1/2" RM	3	1			30	
TOTAL		110	505	2050	3025	645	645

(2) SEE NOTE (2)



### TRAFFIC SIGNAL PLANS

#### QUANTITY SUMMARY

#### MIDWAY ROAD AT BELT LINE ROAD

ADDISON TRANSIT PASS  
ADDISON, TEXAS

REVISION	DATE	FED. ROAD DIST. No.	FEDERAL AID PROJECT NO.	SHEET No.
		6	CM 97 (449)	42
		STATE	COUNTY	
		TEXAS	DALLAS	
DESIGNED BY:	R.A.Y.	CONT.	SECT.	JOB
DRAWN BY:	B-A	8050	18	034
CHECKED BY:	L.M.P.	HIGHWAY No.		BELT LINE RD
BA FILE NAME :				