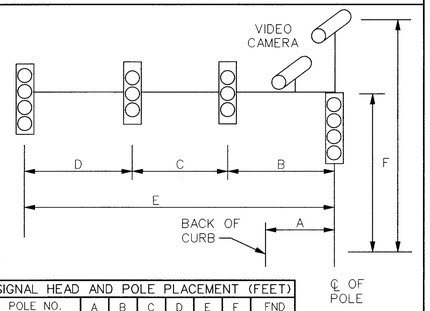
SIGNAL HEAD AND POLE PLACEMENT



SIGNAL HEAD AND POLE PLACEMENT (FEET)							
POLE NO.	A	B	C	D	E	F	FND
T-1	3	23	12	---	40	28	36-A
T-2	2	8	11	11	30	19	30-A
T-3	5	13	11	11	35	19	30-A
T-4	5	18	11	11	40	28	36-A
T-5	5	23	11	11	45	19	EXIST.
T-6	7	30	12	12	55	28	EXIST.
T-7	5	18	11	11	40	28	EXIST.
T-8	5	18	11	11	40	28	EXIST.

SIGNAL POLE CONDUCTORS					
POLE NUMBER	OPTICOM	5-CNDR	7-CNDR	COAX	3-CNDR
T-1	55	115	---	35	35
T-2	50	75	55	30	30
T-3	---	165	---	30	30
T-4	60	110	65	35	35
T-5	---	---	---	---	---
T-6	---	---	80	---	---
T-7	---	95	65	---	---
T-8	---	---	---	---	---
TOTAL (LF)	165	560	265	130	130

CONDUIT SUMMARY

SIZE	TYPE	LENGTH (LF)
1" PVC	TRENCH	-
2" PVC	TRENCH	-
3" PVC	TRENCH	40
4" PVC	BORE	250
4" PVC	TRENCH	-
4" RM	BORE	90

GROUND BOX SUMMARY

TYPE	EA
A	4
C	-

CABLE TERMINATION CHART

CABLE CONDUCTOR	T-1 (16 CNDR)		T-2 (16 CNDR)		T-3 (16 CNDR)		T-4 (16 CNDR)		T-5 (16 CNDR)		T-6 (16 CNDR)		T-7 (16 CNDR)		T-8 (10 CNDR)	
	S.H. NO.	INDICATION	S.H. NO.	INDICATION	S.H. NO.	INDICATION	S.H. NO.	INDICATION	S.H. NO.	INDICATION	S.H. NO.	INDICATION	S.H. NO.	INDICATION	S.H. NO.	INDICATION
BLACK	SPARE		4	<- Y	SPARE		31	<- Y	SPARE		SPARE		21	<- Y	SPARE	
WHITE		COMMON		COMMON		COMMON		COMMON		COMMON		COMMON		COMMON		COMMON
RED	1-2	R	5-6	R	8-10	R	11-12	R	13-15	R	17-19	R	21-23	R	27-29	R
GREEN	1-2	G	5-6	G	8-10	G/<- G	11-12	G	13-15	G	17-19	G/<- G	21-23	G	27-29	G/<- G
ORANGE	1-2	Y	5-6	Y	8-10	Y	11-12	Y	13-15	Y	17-19	Y	21-23	Y	27-29	Y
BLUE	SPARE		4	<- G	SPARE		31	<- G	SPARE		SPARE		21	<- G	SPARE	
WHT/BLK	SPARE		SPARE			PB COM		PB COM		PB COM		PB COM		PB COM	SPARE	
RED/BLK	SPARE		SPARE		7	DW	3	DW	30	DW	20	DW	24	DW	SIGN SR3-1	
GRN/BLK	SPARE		SPARE		7	W	3	W	30	W	20	W	24	W	SPARE	
ORN/BLK	SPARE		4	Y	SPARE		SPARE		16	Y	SPARE		26	Y	SPARE	
BLUE/BLK	SPARE		SPARE		SPARE		SPARE		SPARE		PB 25	Ø4	PB 24	Ø8		
BLK/WHT	SPARE		SPARE		PB 7	Ø4	PB 3	Ø4	PB 30	Ø4	PB 20	Ø8	SPARE			
RED/WHT	SPARE		4	R	SPARE		SIGN SR3-1		16	R	25	DW	SPARE			
GRN/WHT	SPARE		4	G	SPARE		SPARE		16	G	25	W	SPARE			
BLUE/WHT	SPARE		SPARE		SPARE		SPARE		SPARE		SPARE		26	G		
BLK/RED	SPARE		SPARE		SPARE		SPARE		SPARE		SPARE		26	R		
WHT/RED																
ORN/RED																
BLUE/RED																

SIGNAL HEADS

NO	TYPE	PHASE	BACKPLATE		SIGNAL HEAD		PED SIG SEC
			3 SEC	4 SEC	3 SEC	4 SEC	
1-2	V3	Ø3	2		2		
4	V4LT*	Ø5+O.L. B		1		1	
5-6	V3	O.L. 2	2		2		
8	V4LT	O.L. C		1		1	
9-10	V3	O.L. C	2		2		
11-12	V3	O.L. 6	2		2		
13-15	V3	O.L. 4	EXIST.		EXIST.		
16	V3	O.L. 7	EXIST.		EXIST.		
17	V4LT	Ø8		1		1	
18-19	V3	Ø8	EXIST.		EXIST.		
21	V4LT*	O.L. A+D		1		1	
22-23	V3	O.L. A	2		2		
26	V3	O.L.4	EXIST.		EXIST.		
27	V4LT	Ø7		1		1	
28-29	V3	Ø7	EXIST.		EXIST.		
31	V4LT*	Ø1+O.L. 6		1		1	
3,7	PED	Ø4					2
20,24	PED	Ø8					EXIST.
25,30	PED	Ø4					EXIST.
TOTALS	---	---	10	6	10	6	2

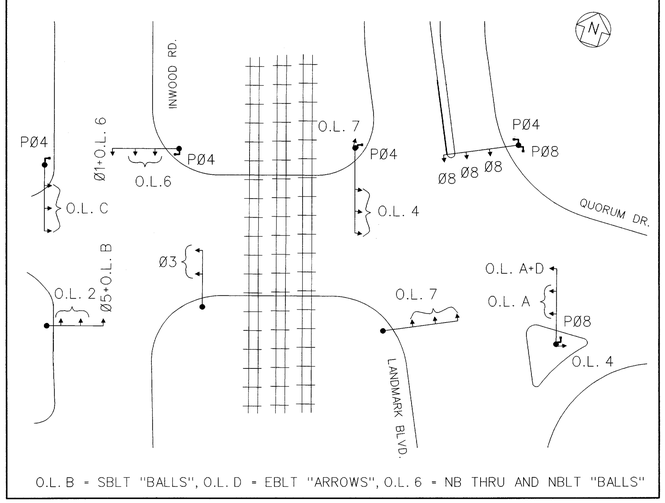
* -USE GREEN/YELLOW BI-MODAL TURN ARROW.

CONDUIT RUNS

RUN NO.	QUANTITY	SIZE	TYPE	METHOD	*4 XHHW	*6 BARE	COAX CABLE	4 CNDR OPTICOM	3 CNDR (VIDEO)	*12 XHHW	10 CNDR	16 CNDR	CONDUIT LENGTH	CABLE LENGTH	RUN NO.
A	2	4"	PVC	Exist.			5	3	5			4	10	15	A
B	2	4"	PVC	Exist.			5	3	5			4	15	20	B
C	1	4"	PVC	Exist.									100	110	C
D	1	3"	PVC	Exist.									10	15	D
E	1	4"	PVC	Exist.									115	125	E
F	1	3"	PVC	Exist.									20	25	F
G	1	4"	PVC	Exist.									105	115	G
H	1	3"	PVC	Exist.			1		1				20	25	H
I	1	4"	PVC	Exist.			1		1				100	110	I
J	1	3"	PVC	Exist.									15	20	J
K	1	4"	RMC	Bored		1	4	3	4			4	90	100	K
L	1	3"	PVC	Trench		1	1	1	1			1	5	10	L
M	1	4"	PVC	Bored		1	1	1	1			1	85	95	M
N	1	3"	PVC	Trench		1	1	1	1			1	10	15	N
O	1	3"	PVC	Trench		1	1		1			1	10	15	O
P	1	4"	PVC	Bored		1	1		1			1	85	95	P
Q	1	3"	PVC	Trench		1	1	1	1			1	15	20	Q
R	1	4"	PVC	Bored		1	2	1	2			2	80	90	R
S	1	2"	PVC	Exist.									50	60	S
*T															T
TOTAL(LF)	---	---	---	---	---	440	1140	635	1140	---	---	970	---	---	

* TO SITE OF NEW R.R. INTERFACE EQUIPMENT.

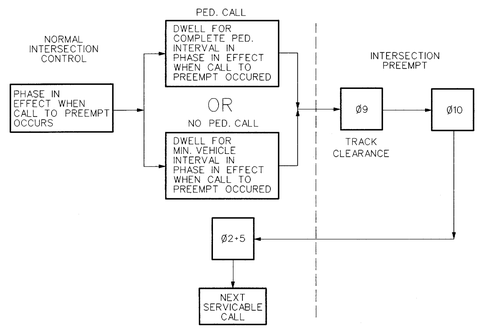
SIGNAL HEAD PHASING



O.L. B = SBLT "BALLS", O.L. D = EBLT "ARROWS", O.L. 6 = NB THRU AND NBLT "BALLS"

ECONOLITE ASC-2 PROGRAMMING

Ø1 = N.B.L.T. (INWOOD)
O.L. 2 = Ø2+10
Ø3 = E.B. THRU
O.L. 4 = Ø3+4
Ø5 = S.B.L.T. (INWOOD)
O.L. 6 = Ø6+10
O.L. 7 = Ø7+10
Ø8 = N.B.L.T. & THRU (LANDMARK)
O.L. A = Ø3+4+5+6+9
O.L. B = Ø2 BUT NOT Ø10
O.L. C = Ø4+7+8+9
O.L. D = Ø5+6+9



RAILROAD PREEMPT SEQUENCE DIAGRAM

Ø9 = O.L. A+C+D (TRACK CLEARANCE)
Ø10 = Ø2, Ø6, Ø7 (PREEMPTION PHASES)

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SIGNAL LAYOUT TABLES

INWOOD CONNECTION
DEPARTMENT OF PUBLIC WORKS
TOWN OF ADDISON, TEXAS

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NUMBER
A.P.M.	C.W.W.	05/12/03				27

File : SIGNAL-TABLES

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