

	LIST OF MAJOR ITEMS REQUIRED
7	DESCRIPTION
	T.S. CABINET AND CONTROLLER: 8 PHASE TS2-TYPE 1, OPTICOM PREEMPTION, GRAPHICS, CLOSED LOOP SYSTEM READY, GPS-TBC, FULL INPUT AND OUTPUT SUPPRESSION PACKAGE W/FOUNDATION PLUS 2 SPARE B14'S
	35' GALV. STEEL MAST ARM
	40' GALV. STEEL MAST ARM
	ELECTRIC SERVICE CONNECTION
	SIGNAL HEAD 1-WAY 3-SECTION YELLOW HOUSING 12" L.E.D. W/LOUVERED BACKPLATE & VISOR
	SIGNAL HEAD 1-WAY 5-SECTION YELLOW HOUSING 12" L.E.D. W/LOUVERED BACKPLATE & VISOR
	PEDESTRIAN SIGNAL HEAD 16" YELLOW HOUSING L.E.D. W/SOLID HAND & MAN, PUSHBUTTONS & SIGNS
	PREEMPTION CONFIRMATION HIGH INTENSITY CLEAR STROBE
	OPTICOM DETECTOR (MODEL 711)
	2-CHANNEL PHASE SELECTOR AND RACK (700 SERIES)

R10-12 (LT YIELD ON GREEN BALL) SIGN, 30"X36" PLUS ALL MISCELLANEOUS EQUIPMENT AND MATERIAL NECESSARY TO PROVIDE A COMPLETE OPERATING TRAFFIC CONTROL SIGNAL SYSTEM.

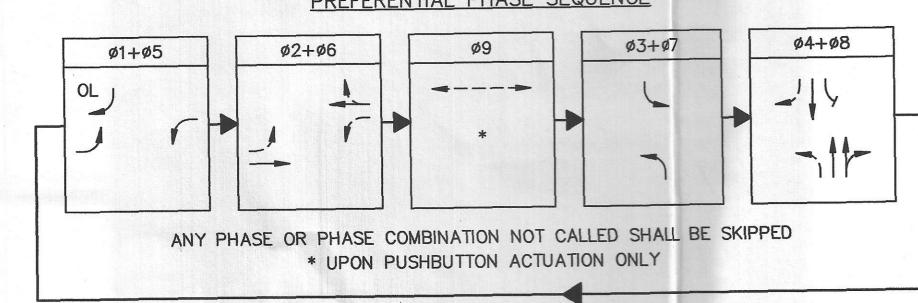
VEHICLE DETECTION LOOP 6'x6' (4 TURNS)

(INCLUDES 2 SPARE)

PREFERENTIAL PHASE SEQUENCE

QUADRUPOLE VEHICLE DETECTION LOOP 6'x23' (2 TURNS)

2 CHANNEL LOOP DETECTOR AMPLIFIER - RACK MOUNTED

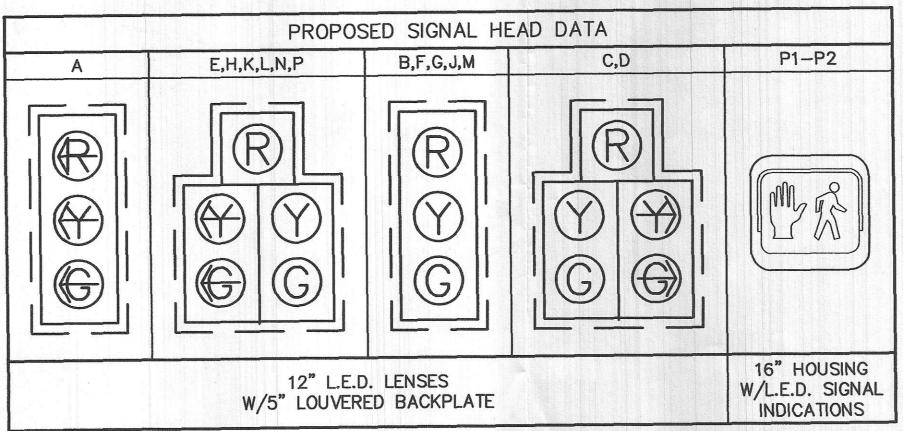


PLAN NOTE: 1. VEHICLE TURNING MOVEMENTS NOT SUPPORTED BY ARROW INDICATION SHOWN AS A DASHED ARROW ON PLAN.

ø2+ø5 Ø3+Ø8 Ø1+Ø6 Ø4+Ø7

EMERGENCY VEHICLE PREEMPTION OPERATION:

- 1. EMERGENCY VEHICLE PREEMPTION SHALL BE ACTUATED BY AN OPTICAL SIGNAL FROM AN OPTICAL EMITTER MOUNTED ON AN EMERGENCY VEHICLE AND RECEIVED BY AN OPTICAL DETECTOR LOCATED AT THE INTERSECTION. A SEPARATE RECEIVING DETECTOR IS REQUIRED FOR EACH DETECTED APPROACH.
- 2. PREEMPTION SIGNALS FROM MULTIPLE APPROACHES SHALL BE SERVICED ON A FIRST DETECTED FIRST SERVED BASIS.
- 3. IN RESPONSE TO A PREEMPTION SIGNAL RECEIVED AT AN INTERSECTION BY OPTICAL DETECTOR, THE CONTROLLER SHALL TIME THE CLEARANCE INTERVALS OF THE ACTIVE PHASE (IF DIFFERENT THAN THAT TO BE SERVICED) AND ADVANCE TO AND/OR HOLD IN EMERGENCY VEHICLE PREEMPTION PHASE UNTIL PREEMPTION SIGNAL CEASES. THE CONTROLLER SHALL THEN TIME CLEARANCES AND SIMILARLY SERVICE OTHER EMERGENCY VEHICLE PREEMPTION SEQUENCES IN THE ORDER RECEIVED (IF RECEIVED). OTHERWISE, RETURN TO MAIN LINE PHASE (\$2+\$6).
- 4. NORMAL CLEARANCES SHALL BE PROVIDED ON PHASES THAT ARE TO BE TERMINATED BY PREEMPTION DEMAND.
- 5. MINIMUM GREEN FOR PREEMPTION SEQUENCES SHALL BE 6 SECONDS.



NOTE: SIGNALS "K", "N", AND "P" SHALL HAVE TUNNEL VISORS; ALL OTHER SIGNALS SHALL HAVE CAP VISORS.

CONSTRUCTION NOTES:

1. CONTROLLER PROGRAMMING SHALL BE ACCOMPLISHED BY QUALIFIED FACTORY REPRESENTATIVES.

	A 11 11 12		TECTOR DA	IA			
DETECTOR NUMBER	NUMBER SECTION/ SIZE	NUMBER OF TURNS	OPERATIONS	CALL DELAY	CALL PHASE	EXT. PHASE	LOOP CONN.
\triangle	1-6'x23'	2 QUADRUPOLE	PRESENCE	_	6	6	DIRECT
2	1-6'x23'	2 QUADRUPOLE	PRESENCE	-	1/6	1/6	DIRECT
3	1-6'x23'	2 QUADRUPOLE	PRESENCE	_	6	6	DIRECT
4	1-6'x23'	2 QUADRUPOLE	PRESENCE	-	1/6	1/6	DIRECT
5	1-6'x6'	4	PRESENCE	_	6	6	DIRECT
6	1-6'x6'	4	PRESENCE	-	1/6	1/6	DIRECT
	1-6'x23'	2 QUADRUPOLE	PRESENCE	_	2/5	2/5	DIRECT
8	1-6'x23'	2 QUADRUPOLE	PRESENCE	-	2	2	DIRECT
9	1-6'x23'	2 QUADRUPOLE	PRESENCE	_	2/5	2/5	DIRECT
10	1-6'x23'	2 QUADRUPOLE	PRESENCE	_	2	2	DIRECT
11	1-6'x6'	4	PRESENCE	-	2/5	2/5	DIRECT
12	1-6'x6'	4	PRESENCE	-	2	2	DIREC1
13	1-6'x6'	4	PRESENCE	_	2	2	DIRECT
14	1-6'x6'	4	PRESENCE		6	6	DIRECT
15	1-6'x23'	2 QUADRUPOLE	PRESENCE	_	4	4	DIREC
16	1-6'x23'	2 QUADRUPOLE	PRESENCE	_	7	7	DIREC
A	1-6'x23'	2 QUADRUPOLE	PRESENCE		4	4	DIREC
18	1-6'x23'	2 QUADRUPOLE	PRESENCE	_	7	7	DIREC
19	2-6'x23'	2 QUADRUPOLE	PRESENCE		8	8	SERIES
20	1-6'x23'	2 QUADRUPOLE	PRESENCE	5	4	4	DIREC
21	1-6'x23'	2 QUADRUPOLE	PRESENCE	5	4	4	DIREC
22	2-6'x23'	2 QUADRUPOLE	PRESENCE		8	8	SERIE
23	1-6'x23'	2 QUADRUPOLE	PRESENCE	_	3/8	3/8	DIREC
24	1-6'x23'	2 QUADRUPOLE	PRESENCE	_	3/8	3/8	DIREC
25	1-6'x6'	4	PRESENCE	_	3/8	3/8	DIREC
26	1-6'x6'	4	PRESENCE	_	8	8	DIREC
27	1-6'x6'	4	PRESENCE	-	8	8	DIREC
28	1-6'x6'	4	PRESENCE	: -	8	8	DIREC
29	1-6'x6'	4	PRESENCE	-	8	8	DIREC
30	1-6'x6'	4	PRESENCE	-	3/8	3/8	DIREC
31	1-6'x6'	4	PRESENCE	10	3/8	3/8	DIREC
32	1-6'x6'	4	PRESENCE	10	3/8	3/8	DIREC

NOTE: LOOPS 31 AND 32 CALL LOW PRIORITY PREEMPTION PE5, (PHASES 3 & 8 WITH A 60 SECOND HOLD TIME MAX.)

PROJECT TITLE

Coggeshall Street at I-195 Westbound

New Bedford, Massachusetts

PREPARED FOR

City of New Bedford

New Bedford, Massachusetts



ANDOVER, MASSACHUSETTS 10 N.E. BUSINESS CENTER DRIVE ANDOVER, MA 01810-1066 TEL: (978) 474-8800 FAX: (978) 688-6508

FORT MYERS, FLORIDA 12730 NEW BRITTANY BLVD., SUITE 600 FORT MYERS, FL 33907 TEL: (239) 437-4601 FAX: (239) 437-4636

DESIGNED BY	AJD		
DRAWN BY	BPD		
CHECKED BY			
DATE	JUNE 2009		
SCALE	NTS		
STAMP			

NO.	DESCRIPTION	DATE

Traffic Signal Data Coggeshall Street at I-195 Ramps

SHEET 38 OF 45 | DRAWING NUMBER **TR11**

Copyright © 2008 by VAI. All Rights Reserved.