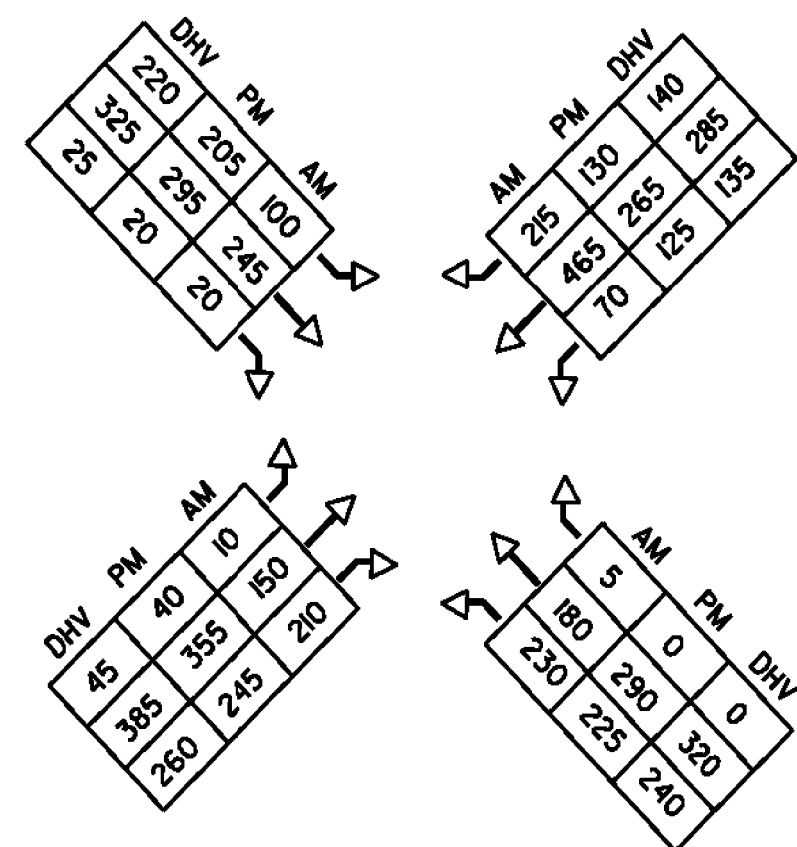


2009 AVERAGE WEEKDAY TRAFFIC DATA



LIST OF MAJOR EQUIPMENT

EQUIPMENT ITEM 678.J5	QUANTITY
ECONOLITE TRAFFIC SIGNAL CONTROLLER	1
ECONOLITE SYSTEM MASTER CONTROLLER ASC/2M-1000	1
POTS LINE TELECOMMUNICATIONS DROP WITH COMPATIBLE 56K MODEM	1
ECONOLITE "P44" BASE MOUNTED CONTROLLER CABINET WITH 15-INCH EXTENDED BASE ON A CONCRETE FOUNDATION, PAINTED FLAT BLACK WITH ANCILLARY CONTROL EQUIPMENT	1
FLAT BLACK PAINTED STEEL MAST ARM SIGNAL POLE WITH 25 FOOT MAST ARM WITH 8 FOOT LIGHTING BRACKET ARM (POLE #1)	1
FLAT BLACK PAINTED TUBULAR BEAM SIGN STRUCTURE FOR MOUNTING SIGNAL HEADS AND EQUIPMENT WITH 8 FOOT LIGHTING BRACKET ARMS ON EACH SUPPORT POST (POLE #2A/2B)	1
FLAT BLACK PAINTED PEDESTAL POST	3
ONE WAY, 3-SECTION, 12-INCH POLYCARBONATE TUBULAR BEAM MOUNTED LED TRAFFIC SIGNAL HEAD WITH TUNNEL VISORS AND LOUVERED BACKPLATES WITH ALL PIECES PAINTED FLAT BLACK	10
ONE WAY, 3-SECTION, 12-INCH POLYCARBONATE MAST ARM MOUNTED LED TRAFFIC SIGNAL HEAD WITH TUNNEL VISORS AND LOUVERED BACKPLATES WITH ALL PIECES PAINTED FLAT BLACK	2
ONE WAY, 3-SECTION, 12-INCH POLYCARBONATE POLE MOUNTED LED TRAFFIC SIGNAL HEAD WITH TUNNEL VISORS AND LOUVERED BACKPLATES WITH ALL PIECES PAINTED FLAT BLACK	2
POLE MOUNTED 16-INCH LED COUNTDOWN PEDESTRIAN SIGNAL HEAD	4
VTRANS SPEC ACCESSIBLE PEDESTRIAN PUSH BUTTONS WITH R10-3e TYPE SIGN ASSEMBLY AND AUDIBLE INDICATORS	4
ASTRO-BRACKETS	12
OPTICAL DETECTION SENSOR WITH DETECTOR CABLES	5
WIRELESS RADIO INTERCONNECT SYSTEM	1
EMERGENCY VEHICLE PREEMPTION RECEIVER	4
EMERGENCY VEHICLE PREEMPTION 4-CHANNEL PHASE SELECTOR AND CHASSIS	1
EMERGENCY VEHICLE PREEMPTION STROBE	4

DETECTION SCHEDULE

INCIDENTAL TO ITEM 678.J5							
OPTICAL VIDEO DETECTORS							
LOOP NO.	LANE	CALL	SIZE	TYPE & NO. TURNS	DELAY OR PRESENCE	SLOT	CHANNEL
1	NBLT	1	6X40	OPTICAL	PRESENCE	2	1
2	SBTH	2	6X40	OPTICAL	PRESENCE	4	2
3	EBLT	3	6X40	OPTICAL	PRESENCE	6	1
4	WBTH	4	6X40	OPTICAL	PRESENCE	8	2
5	WBRT	4	6X40	OPTICAL	5 SEC DELAY	8	3
6	SBLT	5	6X40	OPTICAL	PRESENCE	4	1
7	NBTH	6	6X40	OPTICAL	PRESENCE	2	2
8	WBLT	7	6X40	OPTICAL	PRESENCE	8	1
9	EBTH	8	6X40	OPTICAL	PRESENCE	6	2
10	EBRT1	8	6X40	OPTICAL	PRESENCE	8	4
11	EBRT2	8	6X40	OPTICAL	PRESENCE	8	4

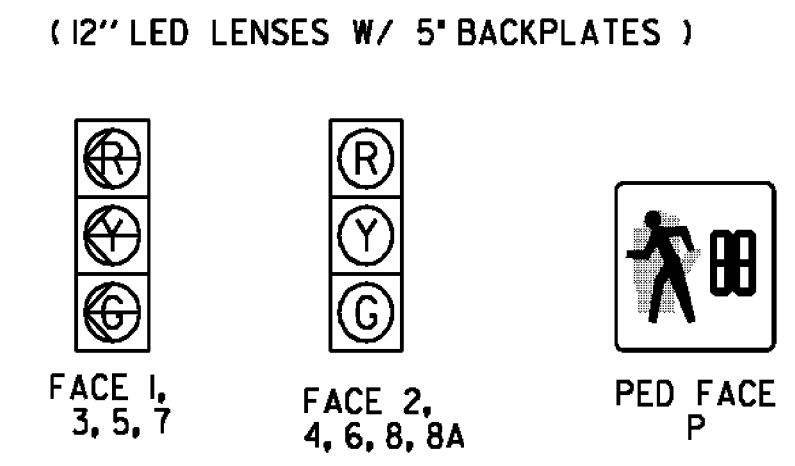
WIRED CONDUIT (PVC) AND ELECTRICAL CONDUIT SLEEVE SCHEDULE

ITEM NUMBER	678.24		678.23		678.30		DESCRIPTION
	ELECTRICAL WIRING	WIRED CONDUIT	WIRED CONDUIT	CONDUIT SLEEVE	CONDUIT SLEEVE	CONDUIT SLEEVE	
FROM/TO		3'	4'	8'			
POWER TO CABINET			20				CONDUIT TO CITY-PROVIDED POWER SOURCE
CABINET TO POST #1			20				POST #1
CABINET TO EXISTING SIGN STRUCTURE BASE				18			POLE #1, POLE #2A/B, POST #2, POST #3
USE EXISTING SIGN STRUCTURE AS RACEWAY	108						POLE #1, POLE #2A/B, POST #2, POST #3
EXISTING SIGN STRUCTURE BASE TO POST #2			17				POST #2
EXISTING SIGN STRUCTURE BASE TO POLE #2B				48			POLE #1, POLE #2A/B
USE SIGNAL MONOTUBE AS RACEWAY	152						POLE #1, POLE #2A/B
POLE #2B TO POST #3			86		45		POST #3
POLE #2A TO POLE #1		LASH SIGNAL CABLES TO SPAN WIRE					POLE #1
SUB-TOTALS	260	143	66	45			
ROUNDING	0	7	4	0			
TOTALS	260	150	70	45			

EQUIPMENT NOTES

- (A) SEE STANDARDS E-170, E-171A, E-171B, 171C, 173, & 175 FOR ADDITIONAL INFORMATION.
- (B) SEE TRAFFIC SIGNAL NOTE SHEETS 46, 47 & 54 AND SINGLE MAST ARM CANTILEVER/FOOTING DETAIL SHEETS 55 & 56 FOR ADDITIONAL INFORMATION.
- (C) MAST ARM POLE EXTENSION (POLE #1) AND MONOTUBE STRUCTURE LIGHTING EXTENSION (POLE #2A) SHALL BE DESIGNED FOR SPAN WIRE ATTACHMENT FOR SIGNAL CABLES.
- (D) USE EXISTING SIGN STRUCTURE MONOTUBE (STA. 139+61) AS RACEWAY FOR SIGNAL CABLES ACROSS WASHINGTON STREET. PROVIDE WEATHERHEADS FOR POLE 1 AND POLE 2A TO PROVIDE SPAN WIRE CONNECTION BETWEEN POLES. SIGNAL CABLES FOR POLE 1 SHALL BE LASHED TO SPAN WIRE TO CROSS CHANNELIZED RIGHT. SPAN WIRE SHALL MAINTAIN AT LEAST 24-FOOT CLEARANCE ABOVE ROADWAY. SPAN WIRE SAG SHALL NOT IMPEDE SIGNAL DISPLAY OR OPTICAL DETECTION EQUIPMENT.
- (E) FOR SIGN DETAILS, SEE SHEET 36 THROUGH 45.
- (F) SEE SHEET 70 FOR ADDITIONAL DETAILS FOR TRAFFIC CONTROL, CONSTRUCTION AND PHASING.

SIGNAL FACE ARRANGEMENT



LEGEND

LEGEND	
CC	CONTROLLER CABINET
SH	SIGNAL HEAD
---	CONDUIT
○	OPTICAL DETECTION ZONE
●	PEDESTAL POST
⊕	STANCHION
-S	SPARE SWEEP
⬇	EMERGENCY VEHICLE PREEMPTION STROBE
⬅	EMERGENCY VEHICLE PREEMPTION RECEIVER
—	PROPOSED MAST ARM
●	PEDESTRIAN PUSH BUTTON
⊕	OVERHEAD SIGN
⊕	RADIO ANTENNA
—	OPTICAL DETECTION
—	EXISTING MAST ARM

DATUM

VERTICAL	NAVD 1929
HORIZONTAL	NAD 27



VHB Vanasse Hangen Brustlin, Inc.

NORTH MAIN ST AND ELM ST/WASHINGTON ST

PROJECT NAME: BARRE CITY
 PROJECT NUMBER: FEGC F 026-1(34) C/1

FILE NAME: z09B240_TSPS2.dgn
 PROJECT LEADER: G. BAKOS
 DESIGNED BY: DMP / MDS
 TRAFFIC SIGNAL PLAN 2, SHEET 1

PLOT DATE: 4/5/2010
 DRAWN BY: DMP / JAR
 CHECKED BY:
 SHEET 53 OF 95