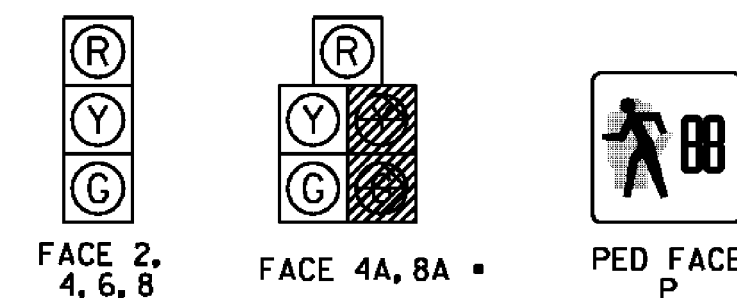


**2011 AVERAGE WEEKDAY TRAFFIC DATA (PHASES 2-6)**

(SEE SHEET 190)

**EXISTING SIGNAL FACE ARRANGEMENT**

(12" LED LENSES W/ 5" BACKPLATES)



CONTRACTOR SHALL COVER YELLOW AND GREEN ARROWS AND REPLACE SIGNAL HEADS WITH 3-SECTION GREEN-YELLOW-RED SIGNALS

AT THE COMPLETION OF PHASE 1E, REINSTALL SALVAGED MAST ARMS AND INSTALL NEW SIGNAL HEADS ON NEW BRACKETS.

NOT REQUIRED AS CONTRACTOR WORKED AT NIGHT THROUGH THIS INTERSECTION  
**LIST OF MAJOR EQUIPMENT**

EQUIPMENT ITEM 678.40	QUANTITY
RELOCATE TRAFFIC SIGNAL HEADS FROM MAST ARM MOUNTING TO SPAN WIRE MOUNTING, WITH NEW WIRING AS NEEDED	8
SALVAGE TRAFFIC SIGNAL HEADS	2
SPAN WIRE MOUNTING DISCONNECT BRACKET	8
RELOCATE TRAFFIC SIGNAL HEADS FOR STAGES IB, IC, ID, & IE	20
RELOCATE EMERGENCY PREEMPTION EQUIPMENT TO SPAN WIRE	-
RELOCATE VIDEO DETECTION EQUIPMENT TO TRAFFIC SIGNAL POLES	4
MODIFY VIDEO DETECTION ZONES FOR STAGED CONSTRUCTION (1x PER CAMERA PER SITE)	20

**EXISTING DETECTION SCHEDULE**

OPTICAL VIDEO DETECTORS						
LOOP NO.	LANE	CALL #	SIZE	TYPE & NO. TURNS	DELAY OR PRESENCE	SLOT CHANNEL
WBLT	1		6X40	OPTICAL	PRESENCE	2 1
EBTH	2		6X40	OPTICAL	PRESENCE	4 2
EBRT	2		6X40	OPTICAL	5 SEC DELAY	4 3
SBTH	4		6X40	OPTICAL	PRESENCE	6 1
SBRT	4		6X40	OPTICAL	5 SEC DELAY	6 2
EBLT	5		6X40	OPTICAL	PRESENCE	4 1
WBTH	6		6X40	OPTICAL	PRESENCE	2 2
WBRT	6		6X40	OPTICAL	5 SEC DELAY	2 3
NBLT	8		6X40	OPTICAL	PRESENCE	8 1
NBRT	8		6X40	OPTICAL	5 SEC DELAY	8 2

**EQUIPMENT NOTES**

- (A) SEE STANDARDS E-170, E-171A, E-171B, 171C, 173, & 175 FOR ADDITIONAL INFORMATION.
- (B) FOR SIGN DETAILS, SEE SHEET 85.
- (C) SEE SHEETS 172, 174, 176, 178, 180, AND 181 FOR ADDITIONAL DETAILS FOR TRAFFIC CONTROL, CONSTRUCTION, AND PHASING. TRAFFIC SIGNAL SHALL OPERATE AS 2-PHASE SIGNAL DURING STAGED CONSTRUCTION IN PHASE 1. TRAFFIC SIGNAL SHALL OPERATE AS PROPOSED FOR PHASES 2-7. CONTRACTOR SHALL MODIFY TIMING PLAN IN ACCORDANCE TO DETOUR TRAFFIC CONDITIONS.

**LEGEND**

EXISTING	LEGEND
	CONTROLLER CABINET
	SIGNAL HEAD
	CONDUIT
	OPTICAL DETECTION ZONE
	PEDESTAL POST
	STANCHION
	EMERGENCY VEHICLE PREEMPTION STROBE
	EMERGENCY VEHICLE PREEMPTION RECEIVER
	PEDESTRIAN PUSH BUTTON
	PULL BOX
	OVERHEAD SIGN
	RADIO ANTENNA
	OPTICAL DETECTION
	MAST ARM

**TIMING AND PHASING (PHASE 1)**

	PHASE 2+6 (DWELL)				PHASE 4 + 8				FLASHING OPERATION
	W	Y	R	B	W	Y	R	B	
VEHICLE	4	3			4	2			
MINIMUM	60	4	3		40	4	2		
MAXIMUM	75	4	3		55	4	2		
PED ACT									
VEHICLE					2				
MINIMUM					25	4	2		
MAXIMUM					45	4	2		
PED ACT					60	4	3		
VEHICLE					2				
MINIMUM					25	4	2		
MAXIMUM					50	4	3		
PED ACT					75	4	3		
FACE 2	G	Y	R		R	R	R		FY
FACE 4	R	R	R		G	Y	R		FR
FACE 6	G	Y	R		R	R	R		FY
FACE 8	R	R	R		G	Y	R		FR
PED (N-S)	D	W	D	W	D	W	D	W	B
PED (E-W)	F	D	D	W	D	W	D	W	B

W = WALK, FD = FLASHING DON'T WALK, DW = DON'T WALK, B = BLANK, FR = FLASHING RED, FY = FLASHING YELLOW

1. FACE NUMBERS ARE BASED ON NEMA PHASES
2. DURING PHASE 1, ALL LEFT TURNS SHALL OPERATE UNDER PERMISSIVE PHASING
3. DURING PHASE 1, CLOSED PEDESTRIAN CROSSINGS SHALL HAVE THE PEDESTRIAN SIGNAL HEADS COVERED AND THE PUSH BUTTONS DEACTIVATED.

**PROGRAM PERIODS OF OPERATION**

	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
	AM												PM											
SUNDAY																								
MONDAY	4		1	2																				
TUESDAY	4		1	2																				
WEDNESDAY	4		1	2																				
THURSDAY	4		1	2																				
FRIDAY	4		1	2																				
SATURDAY																								

- NOTES:
- PLAN 1 - MIDDAY (MAXIMUM D): 6:00 AM TO 7:00 AM, M-F  
9:00 AM TO 3:00 PM, M-F  
6:00 PM TO 10:00 PM, M-F
  - PLAN 2 - AM PEAK (MAXIMUM 2): 7:00 AM TO 9:00 AM, M-F
  - PLAN 3 - PM PEAK (MAXIMUM 2): 3:00 PM TO 6:00 PM, M-F
  - PLAN 4 - OFFPEAK (MAXIMUM D): MIDNIGHT TO 6:00 AM, M-F  
10:00 PM TO MIDNIGHT, M-F  
ALL DAY SATURDAYS AND SUNDAYS

**COORDINATION CYCLE / SPLIT / OFFSET SCHEDULE**

	PLAN 1	PLAN 2	PLAN 3	PLAN 4
CYCLE LENGTH	80	80	80	FREE
COS	111	121	131	-
OFFSET	8	77	39	-
SPLIT TIME 01	0	0	0	-
SPLIT TIME 02	46	34	44	-
SPLIT TIME 03	0	0	0	-
SPLIT TIME 04	34	46	36	-
SPLIT TIME 05	0	0	0	-
SPLIT TIME 06	46	34	44	-
SPLIT TIME 07	0	0	0	-
SPLIT TIME 08	34	46	36	-

COORDINATION NOTES:  
1. OFFSET IS REFERENCED TO BEGINNING OF THE COORDINATED PHASE (04 & 08)



**VHB** Vanasse Hangen Brustlin, Inc.

**TEMPORARY TRAFFIC SIGNAL SYSTEM  
NORTH MAIN ST AND MAPLE AVE / RT 62**

PROJECT NAME: BARRE CITY  
PROJECT NUMBER: FECC F 026-(134) C/2

FILE NAME: z85b010\_TEMP1.dgn  
PROJECT LEADER: G. BAKOS  
DESIGNED BY: DMP / MDS  
TEMPORARY TRAFFIC SIGNAL PLAN

PLOT DATE: 3/9/2011  
DRAWN BY: DMP / JAR  
CHECKED BY:  
SHEET 189 OF 339

DATUM  
VERTICAL: NAVD 1929  
HORIZONTAL: NAD 27