

# MAINTENANCE OF TRAFFIC NOTES

## CONSTRUCTION SEQUENCE FOR U.S.20 & S.R.91

FROM STA. 202+00 TO STA. 203+00 ON S.R.91 AND FROM STA. 8+00 TO STA. 10+50 ON U.S.20, NO ROADWAY OR WATER WORK ITEM SHALL BE PERFORMED UNTIL THE TRAFFIC SIGNAL IS INSTALLED IN PLACE WITH THE TEMPORARY TIMING OPERATIONAL. (SEE SIGNAL TIMING, THIS SHEET)

THE FOLLOWING ITEMS SHALL BE INSTALLED; STRAIN POLES, CONTROLLER CABINET, CONTROLLER BASE, SPAN WIRE, VEHICULAR SIGNAL HEADS AND COVERS, VEHICULAR SIGNAL HEAD WIRING, PULL BOXES, AND THE CONDUIT THAT IS OUTSIDE OF THE EXISTING OR PROPOSED PAVEMENT.

THE SIGNAL SWITCH-OVER FROM EXISTING SIGNAL TO PROPOSED IN TEMPORARY OPERATION SHALL NOT OCCUR DURING THE HOURS OF 7:00 AM TO 8:30 AM AND 4:00 PM TO 6:00 PM AND MUST HAVE TWO POLICE OFFICERS TO DIRECT TRAFFIC WHEN THE SIGNAL SWITCH-OVER OCCURS.

ANY COST FOR THE TEMPORARY MAINTENANCE OF EXISTING SIGNALS SHALL BE INCLUDED IN THE LUMP SUM BID FOR 614 MAINTAINING TRAFFIC.

AS SOON AS THE TEMPORARY TIMING OPERATION IS IN PLACE, THE EXISTING SIGNAL EQUIPMENT SHALL BE REMOVED AND THE ROADWAY AND WATER WORK ITEMS MAY BE COMPLETED IN THIS AREA. THE PROPOSED CONDUIT FOR THE SIGNAL INSTALLATION THROUGH EXISTING OR PROPOSED PAVEMENTS SHALL BE INSTALLED AT THIS TIME.

PAYMENT SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM 614--MANTAINING TRAFFIC.

## CONSTRUCTION SEQUENCE FOR U.S. 20 & SOM--EUCLID SHOPPING CENTER

FROM STA. 15+00 TO STA. 16+50 ON U.S.20, NO ROADWAY OR WATER WORK ITEM SHALL BE PERFORMED UNTIL THE TRAFFIC SIGNAL IS INSTALLED IN PLACE WITH THE TEMPORARY TIMING OPERATIONAL. (SEE SIGNAL TIMING, THIS SHEET)

THE FOLLOWING ITEMS SHALL BE INSTALLED: STRAIN POLES, CONTROLLER CABINET, CONTROLLER BASE, SPAN WIRE, VEHICULAR SIGNAL HEADS AND COVERS, VEHICULAR SIGNAL HEAD WIRING, PULL BOXES, AND THE CONDUIT THAT IS OUTSIDE OF THE EXISTING OR PROPOSED PAVEMENT.

THE SIGNAL SWITCH-OVER FROM EXISTING SIGNAL TO PROPOSED IN TEMPORARY OPERATION SHALL NOT OCCUR DURING THE HOURS OF 7:00 AM TO 8:30 AM AND 4:00 PM TO 6:00 PM AND MUST HAVE A POLICE OFFICER TO DIRECT TRAFFIC WHEN THE SIGNAL SWITCH-OVER OCCURS.

ANY COST FOR THE TEMPORARY MAINTENANCE OF EXISTING SIGNALS SHALL BE INCLUDED IN THE LUMP SUM BID FOR 614 MAINTAINING TRAFFIC.

AS SOON AS THE TEMPORARY TIMING OPERATION IS IN PLACE, THE EXISTING SIGNAL EQUIPMENT SHALL BE REMOVED AND THE ROADWAY AND WATER WORK ITEMS MAY BE COMPLETED IN THIS AREA. THE PROPOSED CONDUIT FOR THE SIGNAL INSTALLATION THROUGH EXISTING OR PROPOSED PAVEMENTS SHALL BE INSTALLED AT THIS TIME.

PAYMENT SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM 614--MAINTAINING TRAFFIC.

|           | 2400-0600 | 0600-0700 | 0700-0800 | 0800-0900 | 0900-1130 | 1130-1500 | 1500-1800 | 1800-2130 | 2130-2300 | 2300-2400 |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| SUNDAY    | B         | B         | B         | B         | B         | D         | D         | B         | B         | B         |
| MONDAY    | B         | A         | A         | A         | D         | D         | C         | D         | B         | B         |
| TUESDAY   | B         | A         | A         | A         | D         | D         | C         | D         | B         | B         |
| WEDNESDAY | B         | A         | A         | A         | D         | D         | C         | D         | B         | B         |
| THURSDAY  | B         | A         | A         | A         | D         | D         | C         | D         | B         | B         |
| FRIDAY    | B         | A         | A         | A         | D         | D         | C         | D         | B         | B         |
| SATURDAY  | B         | B         | B         | B         | D         | D         | D         | B         | B         | B         |

WEEKLY TIMING PROGRAM CHART

## PAVEMENT MARKING SEQUENCE

WHEN CONSTRUCTION IS COMPLETED, EXISTING PAVEMENT MARKINGS SHALL BE REMOVED AND PERMANENT PAVEMENT MARKINGS INSTALLED IN THE FOLLOWING SEQUENCE:

ON U.S. 20 (EUCLID AVENUE) FROM STA. 6+95 TO STA. 8+95;

THE CENTERLINE, LANE LINES AND CHANNELIZING LINES ARE INTENDED TO BE INSTALLED IN THE SAME LOCATION AS EXISTING. THE CENTERLINE, LANE LINES AND CHANNELIZING LINE SHALL BE INSTALLED AND THEN THE ARROWS, ONLY, STOP BAR AND CROSSWALK. PAVEMENT MARKING SHALL BE INSTALLED.

ON U.S. 20 (EUCLID AVENUE) FROM STA. 9+75 TO STA. 19+25;

SOUTHERLY LANE LINE, REMOVAL AND INSTALLATION. PROPOSED CENTERLINE INSTALLED AND EXISTING CENTERLINE REMOVED.

NORTHERLY LANE LINE AND CHANNELIZING LINES INSTALLED FROM STA. 9+75 TO STA. 17+00.

LANE LINES FROM STA. 9+75 TO STA. 19+25.

CHANNELIZING LINES FOR LEFT TURN LANES.

TRANSVERSE LINES FROM STA. 17+00 TO STA. 19+25.

LANE ARROWS, WORDS ON PAVEMENT, AND STOP BARS.

ON S.R.91 (SOM CENTER ROAD) FROM STA. 199+15 TO STA. 200+56;

THE CENTERLINE, LANE LINES AND CHANNELIZING LINES ARE INTENDED TO BE INSTALLED IN THE SAME LOCATION AS EXISTING. THE CENTERLINE, LANE LINE AND CHANNELIZING LINE SHALL BE INSTALLED AND THEN THE ARROWS, ONLY, STOP BAR AND CROSSWALK. PAVEMENT MARKING SHALL BE INSTALLED.

ON S.R.91 (SOM CENTER ROAD) FROM STA. 201+52 TO STA. 204+25 (SOUTHBOUND);

INSTALL EASTERLY LANE LINE AND CHANNELIZING LINE.

REMOVE EXISTING EAST LANE MARKINGS.

INSTALL RIGHT TURN LANE LINE AND CHANNELIZING LINE.

REMOVE EXISTING THROUGH LANE MARKINGS AND INSTALL NEW THROUGH LANE MARKINGS.

INSTALL SECOND LEFT TURN CHANNELIZING LINE.

INSTALL TRANSVERSE LINES, LANE ARROWS, WORDS ON PAVEMENT AND STOP BARS.

## LOOP DETECTOR INSTALLATION

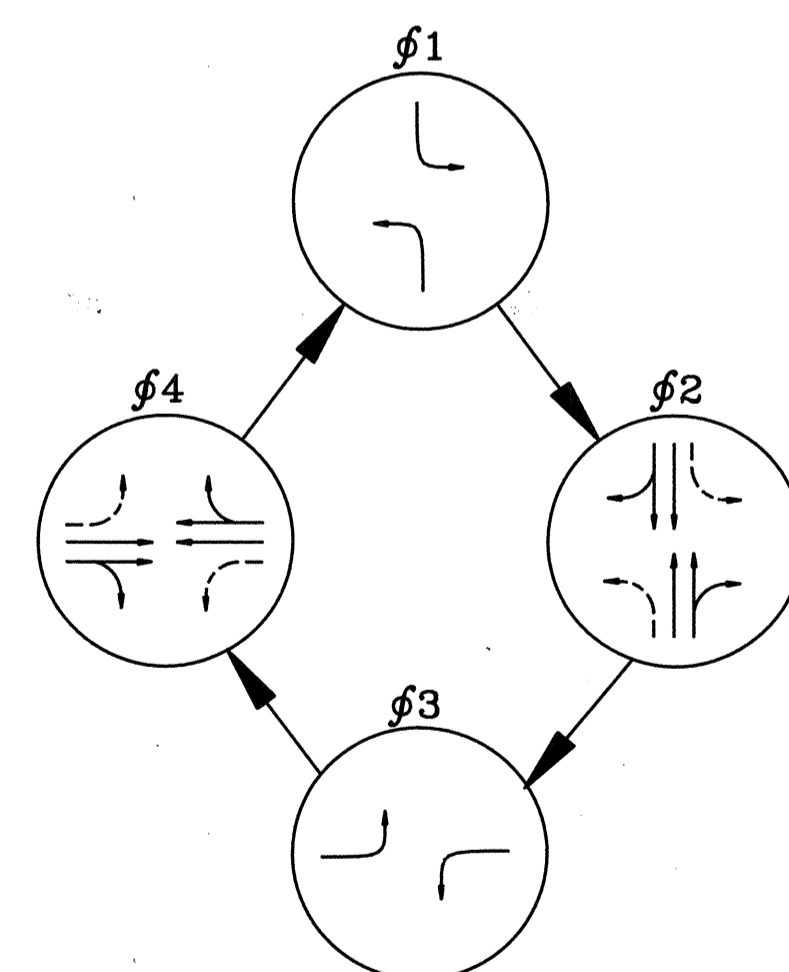
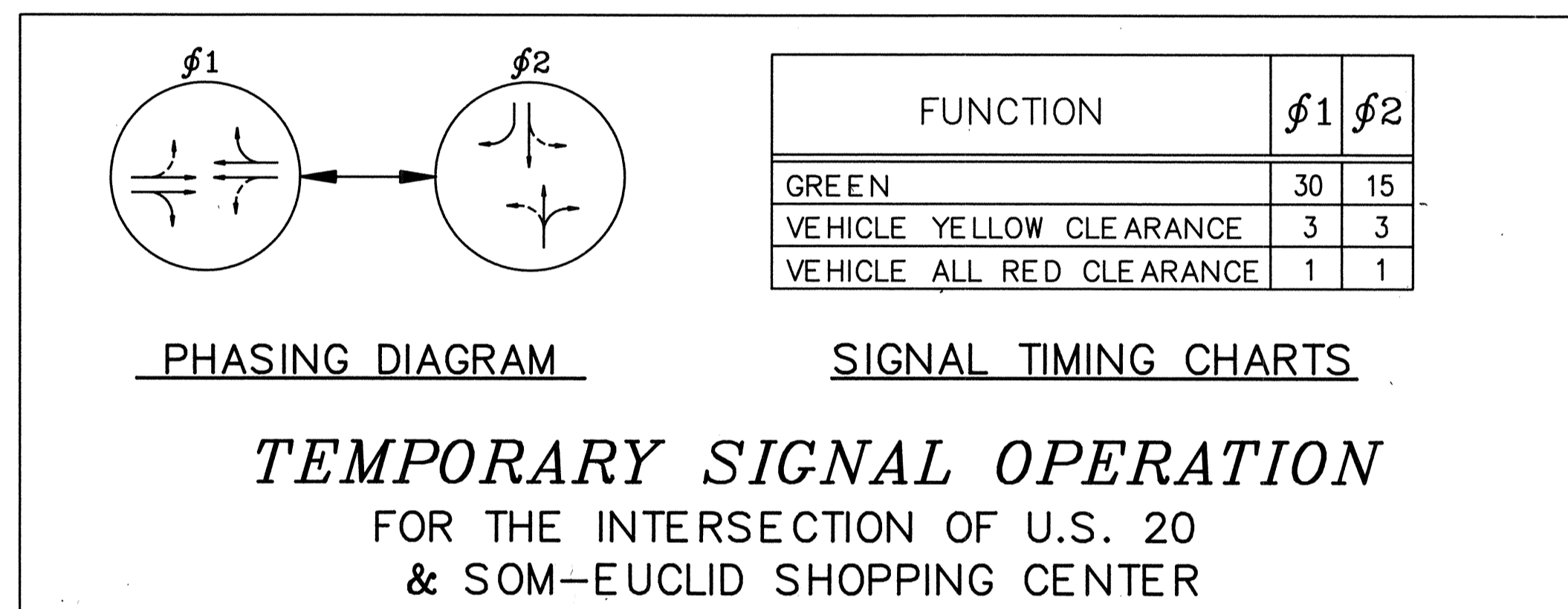
AFTER THE PERMANENT PAVEMENT MARKINGS ARE INSTALLED, THE THE LOOP DETECTORS SHALL BE CUT, WIRED AND CONNECTED TO THE CONTROLLERS.

## PEDESTRIAN SIGNALS

THE EXISTING PEDESTRIAN SIGNALS SHALL REMAIN IN OPERATION UNTIL THE PROPOSED PEDESTRIAN SIGNALS AND PUSH BUTTONS CAN BE PUT INTO OPERATION.

THE PEDESTRIAN SIGNAL HEADS, WIRING, PUSH BUTTONS, POLE MOUNTINGS, PEDESTAL MOUNTINGS, CONDUIT AND OTHER INCIDENTAL EQUIPMENT SHALL BE INSTALLED COINCIDENTALLY WITH THE VEHICULAR TRAFFIC CONTROL ITEMS WHEN THESE ITEMS DO NOT INTERFERE WITH THE INSTALLATION OF THE PROPOSED TRAFFIC SIGNAL OPERATIONS. IF PEDESTRIAN SIGNAL HEADS ARE INSTALLED BUT ARE NOT IN OPERATION, THESE SHALL BE COVERED UNTIL THEY ARE TURNED ON.

PAYMENT SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM 614--MAINTAINING TRAFFIC.



φ1 NORTH & SOUTH BOUND LEFT TURNS  
 φ2 NORTH & SOUTH BOUND THROUGH MOVEMENTS  
 φ3 EAST & WEST BOUND LEFT TURNS  
 φ4 EAST & WEST BOUND THROUGH MOVEMENTS

# TEMPORARY SIGNAL OPERATION FOR THE INTERSECTION OF U.S. 20 & S.R. 91

PROGRAM A

| FUNCTION                  | φ1 | φ2 | φ3 | φ4 |
|---------------------------|----|----|----|----|
| GREEN                     | 19 | 35 | 20 | 30 |
| PEDESTRIAN WALK           | -  | 17 | -  | 12 |
| PEDESTRIAN CLEARANCE      | -  | 18 | -  | 18 |
| VEHICLE YELLOW CLEARANCE  | 3  | 3  | 3  | 3  |
| VEHICLE ALL RED CLEARANCE | 1  | 1  | 1  | 1  |

PROGRAM B

| FUNCTION                  | φ1 | φ2 | φ3 | φ4 |
|---------------------------|----|----|----|----|
| GREEN                     | 12 | 25 | 12 | 25 |
| PEDESTRIAN WALK           | -  | 7  | -  | 7  |
| PEDESTRIAN CLEARANCE      | -  | 18 | -  | 18 |
| VEHICLE YELLOW CLEARANCE  | 3  | 3  | 3  | 3  |
| VEHICLE ALL RED CLEARANCE | 1  | 1  | 1  | 1  |

PROGRAM C

| FUNCTION                  | φ1 | φ2 | φ3 | φ4 |
|---------------------------|----|----|----|----|
| GREEN                     | 35 | 34 | 10 | 25 |
| PEDESTRIAN WALK           | -  | 17 | -  | 7  |
| PEDESTRIAN CLEARANCE      | -  | 18 | -  | 18 |
| VEHICLE YELLOW CLEARANCE  | 3  | 3  | 3  | 3  |
| VEHICLE ALL RED CLEARANCE | 1  | 1  | 1  | 1  |

PROGRAM D

| FUNCTION                  | φ1 | φ2 | φ3 | φ4 |
|---------------------------|----|----|----|----|
| GREEN                     | 17 | 25 | 17 | 25 |
| PEDESTRIAN WALK           | -  | 7  | -  | 7  |
| PEDESTRIAN CLEARANCE      | -  | 18 | -  | 18 |
| VEHICLE YELLOW CLEARANCE  | 3  | 3  | 3  | 3  |
| VEHICLE ALL RED CLEARANCE | 1  | 1  | 1  | 1  |

SIGNAL TIMING CHARTS