

## CHARACTERISTICS OF LIGHTS

### Left Descending Bank

|            |                                               |
|------------|-----------------------------------------------|
| F. W.      | Fixed White                                   |
| F. R.      | Fixed Red                                     |
| 2 F. R.    | Two Fixed Red                                 |
| FL (2) W5s | Group Flashing White every 5 Sec. (2 flashes) |
| FL (2) W6s | Group Flashing White every 6 sec. (2 flashes) |
| FL (2) R5s | Group Flashing Red every 5 sec. (2 flashes)   |
| FL (2) R6s | Group Flashing Red every 6 sec. (2 flashes)   |
| Iso W 2s   | Equal Interval White 2 sec.                   |
| Iso R 2s   | Equal Interval Red 2 sec.                     |
| Q R        | Quick Flashing Red                            |
| IQ R       | Interrupted Quick Flashing Red                |

### Right Descending Bank

|          |                                  |
|----------|----------------------------------|
| F. W.    | Fixed White                      |
| F. G.    | Fixed Green                      |
| 2 F. G.  | Two Fixed Green                  |
| FL W4s   | Flashing White every 4 Sec.      |
| FL G4s   | Flashing Green every 4 sec.      |
| Iso W 2s | Equal Interval White 2 sec.      |
| Iso G 2s | Equal Interval Green 2 sec.      |
| Q G      | Quick Flashing Green             |
| IQ G     | Interrupted Quick Flashing Green |

## CHARACTERISTICS OF BEACONS

All beacons have reflective material which matches the color indicated below:

|    |                                                |
|----|------------------------------------------------|
| SG | Square shaped Green PASSING beacon.            |
| CG | Diamond shaped Green CROSSING beacon.          |
| TR | Triangle shaped Red PASSING beacon.            |
| JR | Triangle shaped Red and Green JUNCTION beacon. |

## POSITION OF AIDS TO NAVIGATION

Buoys are set to mark project depths taking into consideration the prevailing river stage and obstructions. Buoy positions as shown on the obstructions. Buoy position as shown on the chart are approximate and should always be given as wide a berth in passing as possible consistent with the length and width of the bend or crossing.

Buoys should always be used with caution. They may be carried off position by high water accumulation of drift, ice, or sunk by collision or other causes. When carried off position destroyed, or removed to prevent loss, buoys are replaced at the earliest opportunity.

## LIGHTS AND BEACONS ARE ALSO SHOWN IN APPROXIMATE LOCATIONS.

### NOTE

NAVIGATIONAL SYMBOLS AS SHOWN IN THE LEGEND ARE ONLY REPRESENTATIVE. THE ACTUAL LOCATION OF THE ITEMS WHICH THEY REPRESENT MAY VARY FROM WHAT IS SHOWN ON THE NAVIGATION CHART.

## MARINE RADIO CHANNELS

| CHANNEL | FREQUENCY  | PURPOSE            |
|---------|------------|--------------------|
| 13      | 156.650mhz | Bridge to Bridge   |
| 14      | 156.700mhz | Port Operations    |
| 16      | 156.800mhz | Hailing & Distress |

### NOTES:

1. Locks monitor Channels 13 & 16.
2. Coast Guard monitors Channel 16 for Distress Calls.

## CHARACTERISTICS OF LIGHTS AND NOTES NAVIGATION CHARTS MONONGAHELA RIVER

U.S. ARMY ENGINEER DISTRICT, PITTSBURGH

Revised: 1 January 2000