NOTES:

1. Install at all locations where AC pavement is constructed adjacent to dirt grade. Leave in-place.
2. Splice boards shall be installed on the grade side and shall be minimum 50 x 150 x 1000 mm (2" x 6" x 3'-0").
3. Headers, splice boards and stakes shall be redwood or preservative treated Douglas Fir.

Dimensions are in millimeters, except as noted.
Rounded on top

PCC

Sand

PCC sidewalk or pavement

100 to 150 dia (4" to 6" dia) standard weight steel pipe (galvanized). See project plans for size.

PCC

300
(1'-0"
) dia

50
(2"
)

750
(2'-6"
)

1000
(3'-0"
)

TYPICAL SECTION

NOTE:

Pipe size refers to nominal diameter.

Dimensions are in millimeters, except as noted.
FORMED BASE
(when specified)

Dimensions are in millimeters, except as noted
DETAIL FOR TRENCHING, BACKFILL & A.C. PAVEMENT REPAIR

NOTES:

1. Backfill for trenches with \( W = 900 \text{ mm} \) (36") or less shall be cement slurry, class 120–E–1.4 (200–E–200) unless otherwise approved by the City Engineer.
2. Unless otherwise instructed by the City Engineer, trench patch shall not be crowned at center.
3. Temporary asphalt concrete shall be 100 mm (4") minimum thickness. Compaction and surface finish shall equal to that required for permanent asphalt concrete pavement.
4. Outer dimension does not apply to single excavations smaller than 1.5 x 1.5 m (5' x 5').
5. Replace obliterated striping within 7 days of permanent paving.

Dimensions are in millimeters, except as noted.
NOTES:

1. Posts shall be structural grade redwood or perservative treated Douglas Fir, surfaced four sides; cross pieces shall be 50 x 300 mm (2" x 12") select grade Douglas Fir, surfaced four sides.

2. All exposed portions of barricades shall be painted with two coats of white exterior enamel over primer coat.

3. Connections shall be made with 10 x 150 mm (3/8" x 6") galvanized lag screws with one (1) washer each. Reflector sign fasteners shall be 10 x 40 mm (3/8" x 1 1/2") galvanized lag screws.

4. Reflector signs shall be Caltrans Type N-2 for use on dead end streets and Type N-1 for all other conditions.

5. Markings for barricade rails shall be reflectorized alternate orange and white stripes in accordance with the "Work Area Traffic Control Handbook."

Dimensions are in millimeters, except as noted.
Rubber sleeve (food belting) 450 mm (1'-6'') wide x 5 mm (3/16'') thick attached to steel pipe

50 mm (2'') wide silver reflective tape (or install reflectors)

150 mm (6'') dia std steel pipe 450 mm (1'-6'') long (removable)

19 mm (3/4'') Dia. x 200 mm (8'') long galvanized bolt with a 10 mm (3/8'') dia hole for padlock

140 mm (5 1/2'') dia galvanized std steel pipe (well casing) 600 mm (2'-0'') long

Concrete footing

Note: Post shall be painted bright yellow for visibility

SECTION

PLAN

Dimensions are in millimeters, except as noted.
DRAFTING SYMBOLS

BARRICADE

BENCH MARK

EXISTING GRADE

FENCE

FIRE HYDRANT

FLOW DIRECTION

GUY

JOIN EXISTING IMPROVEMENTS

MANHOLE

METER

MONUMENT

POLE

POST OR IRON PIPE

PULL BOX

SIGN

SIGNAL CONTROL BOX

SPRINKLER HEAD

STREET LIGHT

TRAFFIC LIGHT STANDARD

TREE – PALM

OTHER

VALVE

WALLS – BLOCK, CONCRETE, STUCCO, ETC.

NOTE: Symbol sizes proportionate to drawings scale

CITY OF LONG BEACH, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

STANDARD SYMBOLS

REVISIONS

CITY ENGINEER I.E. No. 40599

STANDARD PLAN NO.

METRIC

132

1 OF 1
Dimensions may vary depending on actual buses used on various bus routes. Verify dimensions with Long Beach Transit.

Dimensions are in millimeters, except as noted.
PUBLIC WORKS CONSTRUCTION
STREET RESURFACING
ADDITIONAL TEXT
EST COMPLETE: MAY 2002
PROJECT INFO:
562 570 0000

1220 x 1220 mm (48"x48") SIGN

See notes, sheet 2.

Dimensions are in millimeters, except as noted

<table>
<thead>
<tr>
<th>A</th>
<th>95 mm (3 3/4&quot;&quot;)</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>76 mm (3&quot;&quot;)</td>
</tr>
<tr>
<td>C</td>
<td>50 mm (2&quot;&quot;)</td>
</tr>
<tr>
<td>D</td>
<td>110 mm (4 1/4&quot;&quot;)</td>
</tr>
<tr>
<td>E</td>
<td>60 mm (2 1/2&quot;&quot;)</td>
</tr>
</tbody>
</table>

CITY OF LONG BEACH, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

CONSTRUCTION INFORMATION SIGN

REVISIONS
NO. DATE
1 12/23/02
2
3
4

APPROVED BY: [Signature]
CITY ENGINEER R. No. 40599
DATE: 4/16/03
EX. DATE: 04/30/07

1 OF 2
915 x 915 mm (36"x36") SIGN

Notes

1. Use 1220 x 1220 mm (48"x48") signs except where signs will interfere with pedestrian access. Otherwise, use 915 x 915 mm (36"x36") signs. Signs are required for all street, highway and utility projects lasting two weeks or more.

2. Signs shall be furnished by the Contractor or permittee. Post at least two signs per each work location; one sign at each end of street work, and one at each side street with a curb-to-curb width of 11 m (36') or greater.

3. Signs shall be aluminum, 1.6 mm (1/16") thick, engineering grade. Background shall be non-reflective white. Text shall be black.

4. For City projects, City will furnish City's logo in computerized format, if needed.

5. Overlay plate areas show job-specific text to be obtained from City or Agency before sign fabrication. Overlay plates shall be aluminum with coloring and text matching main sign. Overlay plates shall be mechanically attached.

6. Install signs on existing street light poles, if available. Otherwise, furnish new posts. Install signs per LB-317.

7. Post signs before beginning work. Remove signs after completing work, per City's approval, and deliver to City of Long Beach Traffic Paint and Sign Shop. The work will not be given final acceptance until the signs are delivered.

Dimensions are in millimeters, except as noted.
White thermoplastic
300 mm (12") wide

\( Q \) of Roadway

\[ \begin{align*}
\text{Gutter Width or} & \\
\text{450 (18") if no gutter} &
\end{align*} \]

Length of speed hump

Width of roadway

NOTES
1. See project plans for placement of humps and warning signage.
2. Not to be installed within 60 m (200') of Stop controlled intersections and 90 m (300') of signalized intersections.
3. Not for roadways with center drainage swales.

Dimensions are in millimeters, except as noted
CITY OF LONG BEACH, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

SPEED HUMP

REVISIONS
NO. DATE  STANDARD PLAN NO.
1  02/28/03  METRIC
2
3
4  APPROVED BY:  DATE: 4/6/03  SHEET
   CITY ENGINEER R. NO.  40599  EX. DATE 03/31/07  2 OF 2

Dimensions are in millimeters, except as noted