Chapter 03 - Superstructure

SECTION 03
SUPPORT BRACKETS (SUP-SB)
Chapter 03 - Superstructure

Section 03 – Support Brackets

SUB-SECTION 01
42” F-SHAPE AND SINGLE SLOPE SLOPE PARAPET
(SUP-SB(42F) and SUP-SB(42SS))
1.02

SECTION A-A
Scale: 1/2"="1'-0"

For Section "B-B" see Sheet 2 of 2.

42" STRAIGHT BACK

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF STRUCTURES

SUPPORT BRACKET FOR BRIDGE MOUNTED LIGHT POST WITH SINGLE CONDUIT AND 42" F-SHAPE OR SINGLE SLOPE PARAPET WITH STRAIGHT BACK

DETAIL NO. SUP-SB(42F)-101 SHEET __ OF __

APPROVAL
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OFFICE OF STRUCTURES

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VERSION
1.02

Note:
Deck overhang reinforcing steel not shown.

Note A:
The bolt circle dimension and size of anchor bolts shall be provided by the lighting contractor for the fixture identified on the Lighting Plans. All light poles to be set plumb using leveling nuts on anchor bolts. Max height of pole for this detail is 40'.

Note B:
Station for light post support bracket shown on Plans is only approximate. Bracket to be located midway between parapet control joints.

A = Normal parapet control joint spacing (adjust as necessary to meet minimum limitations).

If a light post is placed at A of pier, eliminate the control joint at the 5/16 of pier. The first control joint beyond, on one side only shall be changed to a paraffin joint.

Spacing to match that of deck overhang steel (Varies 5" to 7"). Bars to be placed between deck overhang steel.

Hook one end.

Provide slip hole or drill and tap box for 1/4" conduit.

Provide holes in box for 4" conduit.

Parapet control joint.

4-#5 Ties

See "Note A.

1'-10"

1'-1/2"

1'-1/2"

1'-10"

A (Minimum 6'-5") see Note B

"5  Ties. See Sheet 2 of 2.

"5 Ties.

6" x 6" x 8" galvanized cast iron, galvanized steel or fiberglass U.L. listed junction box with cover. Provide holes in box for 4" conduit.

4" conduit

1/2" Drain at low point of junction box.

Sleeves for anchor bolts. See "Note A."

Parapet control joint.

Parapet control joint.

Station for light post support bracket shown on Plans is only approximate. Bracket to be located midway between parapet control joints.

A = Normal parapet control joint spacing (adjust as necessary to meet minimum limitations).

If a light post is placed at A of pier, eliminate the control joint at the 5/16 of pier. The first control joint beyond, on one side only shall be changed to a paraffin joint.

Spacing to match that of deck overhang steel (Varies 5" to 7"). Bars to be placed between deck overhang steel.

Hook one end.

Provide slip hole or drill and tap box for 1/4" conduit.

Provide holes in box for 4" conduit.

Parapet control joint.

4-#5 Ties

See "Note A.

1'-10"

1'-1/2"

1'-1/2"

1'-10"

A (Minimum 6'-5") see Note B

"5  Ties. See Sheet 2 of 2.

"5 Ties.

6" x 6" x 8" galvanized cast iron, galvanized steel or fiberglass U.L. listed junction box with cover. Provide holes in box for 4" conduit.

4" conduit

1/2" Drain at low point of junction box.

Sleeves for anchor bolts. See "Note A."

Parapet control joint.

Parapet control joint.

Station for light post support bracket shown on Plans is only approximate. Bracket to be located midway between parapet control joints.

A = Normal parapet control joint spacing (adjust as necessary to meet minimum limitations).

If a light post is placed at A of pier, eliminate the control joint at the 5/16 of pier. The first control joint beyond, on one side only shall be changed to a paraffin joint.

Spacing to match that of deck overhang steel (Varies 5" to 7"). Bars to be placed between deck overhang steel.

Hook one end.

Provide slip hole or drill and tap box for 1/4" conduit.

Provide holes in box for 4" conduit.

Parapet control joint.

4-#5 Ties

See "Note A.

1'-10"

1'-1/2"

1'-1/2"

1'-10"

A (Minimum 6'-5") see Note B

"5  Ties. See Sheet 2 of 2.

"5 Ties.

6" x 6" x 8" galvanized cast iron, galvanized steel or fiberglass U.L. listed junction box with cover. Provide holes in box for 4" conduit.

4" conduit

1/2" Drain at low point of junction box.

Sleeves for anchor bolts. See "Note A."

Parapet control joint.
Note:
Conduit, drain tubes and cap may be galvanized steel or PVC.

For exact configuration of overhang:
Connect drain to low point of junction box.

4-#5 Ties
2'' cl, (typ.)
Connect drain to low point of conduit.

\( \frac{1}{2}'' \) Drains

\( \frac{1}{4}'' \) conduit, bend using 8'' max. radius.

- #5 @ 8'' c/c to alternate with
- #5 @ 8'' c/c in place of normal parapet reinforcing

See "Note C"

For exact configuration of overhang:
See "Typical Cross Section" of bridge.

Connect drain to low point of junction box.

SECTION B-B FOR "F-SHAPE" BARRIER
Scale: \( \frac{1}{2}'' = 1'-0'' \)

Note:
All #7 and #8 bars shall be placed continuously in the parapet from expansion opening to expansion opening in a simple span bridge and expansion opening to centerline of pier in a multi-span bridge. Refer to either SUP-TB(42F)-101 or SUP-TB(42SS)-101.

Note D:
The construction between the parapet and the deck may vary slightly from the joint indicated. For exact details and location of the joint see "Superstructure" Sheet.

Note C:
F-Shape barrier is for illustrative purposes only. See plans for barrier type.
For Section "B-B" see Sheet 2 of 2.

42'' DIAMOND BACK

Note A:
The bolt circle dimension and size of anchor bolts shall be provided by the lighting contractor for the fixture identified on the Lighting Plans. All light poles to be set plumb using leveling nuts on anchor bolts. Max height of pole for this detail is 40'.

Note B:
Station for light post support bracket shown on Plans is only approximate. Bracket to be located midway between parapet control joints.

A: Normal parapet control joint spacing (Adjust as necessary to meet minimum limitations).

If a light post is placed at % of pier, eliminate the control joint at the % of pier. The first control joint beyond, on one side only shall be changed to a paraffin joint.
Note:
Conduit, drain tubes and cap may be galvanized steel or PVC.

Note:
All #7 and #8 bars shall be placed continuously in the parapet from expansion opening to expansion opening in a simple span bridge and expansion opening to centerline of pier in a multispanspans bridge. Refer to either SUP-TB(42F)-102 or SUP-TB(42SS)-102.

Note C:
The constr. jt. between the parapet and the deck may vary slightly from the joint indicated. For exact details and location of the joint see “Superstructure” Sheet.

Note D:
F-Shape barrier is for illustrative purposes only. See plans for barrier type.

SECTION B-B FOR “F-SHAPE” BARRIER
Scale: \( \frac{1}{4}'' = 1'-0'' \)

42" DIAMOND BACK

SUPPORT BRACKET FOR BRIDGE MOUNTED LIGHT POST WITH SINGLE CONDUIT AND 42" F-SHAPE OR SINGLE SLOPE PARAPET WITH DIAMOND BACK

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STATE HIGHWAY ADMINISTRATION
OFFICE OF STRUCTURES

SUPPORT BRACKET FOR BRIDGE MOUNTED LIGHT POST WITH SINGLE CONDUIT AND 42" F-SHAPE OR SINGLE SLOPE PARAPET WITH DIAMOND BACK

DETAIL NO. SUP-SB(42F)-102 SHEET 2 OF 2
Spacing to match that of deck overhang steel (Varies 5" to 7"). Bars to be placed between deck overhang steel.

12#5’s, epoxy coated, spaced as shown, top and bottom placed parallel to deck overhang steel. Hook one end.

Provide slip hole or drill and tap box for 1/4” conduit.

¢ 4” conduit, full length of bridge.

#5 epoxy coated.

¢ Parapet control joint

5-#5 Ties—See “Note A.”

¢ Bracket

See “Note A.”

Note B:
Station for light post support bracket shown on Plans is only approximate. ¢ Bracket to be located midway between parapet control joints.
A = Normal parapet control joint spacing (adjust as necessary to meet minimum limitations). If a light post is placed at the edge of pier, eliminate the control joint at the edge of pier. The first control joint beyond, on one side only shall be changed to a paraffin joint.

Note A:
The bolt circle dimension and size of anchor bolts shall be provided by the lighting contractor for the fixture identified on the Lighting Plan(s). All light poles to be set plumb using leveling nuts on anchor bolts. Max height of pole for this detail is 40’. The bolt circle dimension is 8” c/c.

8-#5 Ties, epoxy coated, @ 8” c/c. See Sheet 2 of 2.

2-#5 straight bars epoxy coated

¢ Parapet control joint

¢ 4” conduit

#5 Ties. See Sheet 2 of 2.

5-#5 Ties

¢ Drain at low point of junction box.

6” x 6” x 8” galvanized cast iron, galvanized steel or fiberglass U.L. listed junction box with cover. Provide holes in box for 4” conduit.

Note B:
Station for light post support bracket shown on Plans is only approximate. ¢ Bracket to be located midway between parapet control joints.
A = Normal parapet control joint spacing (adjust as necessary to meet minimum limitations). If a light post is placed at the edge of pier, eliminate the control joint at the edge of pier. The first control joint beyond, on one side only shall be changed to a paraffin joint.

Note A:
The bolt circle dimension and size of anchor bolts shall be provided by the lighting contractor for the fixture identified on the Lighting Plan(s). All light poles to be set plumb using leveling nuts on anchor bolts. Max height of pole for this detail is 40’. The bolt circle dimension is 8” c/c.

8-#5 Ties, epoxy coated, @ 8” c/c. See Sheet 2 of 2.
For exact configuration of overhang, see "Typical Cross Section" of bridge.

Connect drain to low point of junction box.

Note:
- Conduit, drain tubes and cap may be galvanized steel or PVC.
- 1/4" conduit, bend using 8" max. radius.
- 5" @ 8" c/c to alternate with 8" @ 8" c/c in place of normal parapet steel.
- See "Note C".

SECTION B-B FOR "F-SHAPE" BARRIER

Scale: 1/2" = 1'-0"

42" RECESSED BACK

SUPER - SUPPORT BRACKET

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SUPPORT BRACKET FOR BRIDGE MOUNTED LIGHT POST WITH SINGLE CONDUIT AND 42" F-SHAPE OR SINGLE SLOPE PARAPET WITH ARCHITECTURAL FINISH

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DETAIL NO. SUP-SB(42F)-103 SHEET 2 OF 2
Station for light post support bracket shown on Plans is only approximate.

Bracket to be located midway between parapet control joints.

Note A:
Station for light post support bracket shown on Plans is only approximate.

Bracket to be located midway between parapet control joints.

Note B:
Station for light post support bracket shown on Plans is only approximate.

Bracket to be located midway between parapet control joints.

Note C:
Station for light post support bracket shown on Plans is only approximate.

Bracket to be located midway between parapet control joints.
Note:
Conduit, drain tubes and cap may be galvanized steel or PVC.

Note:
For exact configuration of overhang see "Typical Cross Section" of bridge.

Note C:
For exact details and location of the joint see "Superstructure" Sheet.

Note D:
F-Shape barrier is for illustrative purposes only. See plans for barrier type.

42' STRAIGHT BACK

SECTION B-B FOR "F-SHAPE" BARRIER
Scale: 1/2"=1'-0"

SUPER - SUPPORT BRACKET
SUP-SB(42F)-201

Note:
All #7 and #8 bars shall be placed continuously in the parapet from expansion opening to expansion opening in a simple span bridge and expansion opening to centerline of pier in a multi-span bridge. Refer to either SUP-TB(42F)-101 or SUP-TB(42SS)-101.

Note C:
The constr. joint between the parapet and the deck may vary slightly from the joint indicated. For exact details and location of the joint see "Superstructure" Sheet.

Note D:
F-Shape barrier is for illustrative purposes only. See plans for barrier type.
Station for light post support bracket shown on Plans is only approximate. Bracket to be located midway between parapet control joints.

"A" Normal parapet control joint spacing (Adjust as necessary to meet minimum limitations). If a light post is placed at "A" of pier, eliminate the control joint at the "A" of pier. The first control joint beyond, on one side only shall be changed to a paraffin joint.

Note:
Deck overhang reinforcing steel not shown.

Note A:
The bolt circle dimension and size of anchor bolts shall be provided by the lighting contractor for the fixture identified on the Lighting Plans. All light poles to be set plumb using leveling nuts on anchor bolts. Max height of pole for this detail is 40'.
Note:
All #7 and #8 bars shall be placed continuously in the parapet from expansion opening to expansion opening in a simple span bridge and expansion opening to centerline of pier in a multi-span bridge. Refer to either SUP-TB(42F)-102 or SUP-TB(42SS)-102.

Note C:
The construction joint between the parapet and the deck may vary slightly from the joint indicated. For exact details and location of the joint see “Superstructure” Sheet.

Note D:
F-Shape barrier is for illustrative purposes only. See plans for barrier type.
Spacing to match that of deck overhang steel (Varies 5" to 7"). Bars to be placed between deck overhang steel.

Provide slip hole or drill and tap box for 1/4" conduit.

Φ 3" conduits, full length of bridge.

5-5 Ties

Note B:
Station for light post support bracket shown on Plans is only approximate. Bracket to be located midway between parapet control joints.
A = Normal parapet control joint spacing (adjust as necessary to meet minimum limitations).

If a light post is placed at E of pier, eliminate the control joint at the E of pier. The first control joint beyond, on one side only shall be changed to a paraffin joint.

Note:
Deck overhang reinforcing steel not shown.

Note A:
The bolt circle dimension and size of anchor bolts shall be provided by the lighting contractor for the fixture identified on the Lighting Plans. All light poles to be set plumb using leveling nuts on anchor bolts. Max height of pole for this detail is 40'.

6" x 6" x 8" galvanized cast iron, galvanized steel or fiberglass U.L. listed junction boxes with cover. Provide holes in box for 3" conduit.

Φ 3" conduits

2-5 straight bars epoxy coated

5-5 Ties, epoxy coated, @ 8" c/c. See Sheet 2 of 2.

42' RECESSED BACK
**SECTION B-B FOR "F-SHAPE" BARRIER**

Scale: $\frac{1}{2}'' = 1'-0''$

**Notes:**
- All #7 and #8 bars shall be placed continuously in the parapet from expansion opening to expansion opening in a simple span bridge and expansion opening to centerline of pier in a multispans bridge. Refer to either SUP-TB(42F)-103 or SUP-TB(42SS)-103.
- The construction joint between the parapet and the deck slab may vary slightly from the joint indicated. For exact details and location of the joint see "Superstructure" Sheet.
- F-Shape barrier is for illustrative purposes only. See plans for barrier type.

For exact configuration of overhang see "Typical Cross Section" of bridge.

Connect drain to low point of conduit.

$\frac{1}{2}''$ Drains

$1/4''$ conduit, bend using 8'' max. radius.

$\Phi$ in $8'' c/c$ to alternate with $8''$ in place of normal parapet steel.

See "Note C" using 8'' max. radius.

42'' RECESSED BACK

SUP-SB(42F)-203

SUPPORT BRACKET FOR BRIDGE MOUNTED LIGHT POST WITH DUAL CONDUITS AND 42'' F-SHAPE OR SINGLE SLOPE PARAPET WITH ARCHITECTURAL FINISH

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF STRUCTURES

APPROVAL
DIRECTOR
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DATE: 08/23/2019

VERSION

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DETAIL NO. SUP-SB(42F)-203

SHEET 2 OF 2
Chapter 03 - Superstructure

Section 03 – Support Brackets

SUB-SECTION 02
PARAPET WITH SIDEWALK
(SUP-SB(SW))
Note A:
The bolt circle dimension and size of anchor bolts shall be provided by the lighting contractor for the fixture identified on the Lighting Plans. All light poles to be set plumb using leveling nuts on anchor bolts. Max height of pole for this detail is 40'.

Note B:
Station for light post support bracket shown on Plans is only approximate. Bracket to be located midway between parapet control joints.

The bolt circle dimension and size of anchor bolts shall be provided by the lighting contractor for the fixture identified on the Lighting Plans. All light poles to be set plumb using leveling nuts on anchor bolts. Max height of pole for this detail is 40'.
SECTION B-B FOR SIDEWALKS WITH PARAPET

Scale: 1/8"=1'-0"

Note:
Conduit, drain tubes and cap may be galvanized steel or PVC.

Note C:
Connect drain to low point of conduit.

Connect drain to low point of junction box.

For exact configuration of overhang see "Typical Cross Section" of bridge.

Normal parapet reinforcing.

For exact details and location of the joint see "Superstructure" Sheet.

Note:
All longitudinal bars are #5's and shall be placed continuously in the sidewalk from expansion opening to expansion opening in a simple span bridge and expansion opening to centerline of pier in a multispanspan bridge. Refer to SUP-TBSW-101.

Note C:
The constr. joint between the sidewalk and the deck may vary slightly from the joint indicated.

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Office of Structures

Support Bracket for Bridge Mounted Light Post
With Single Conduit and Parapet
With Straight Back and Sidewalk

Detail No. SUP-SBSW-101

Sheet 2 of 2
Station for light post support bracket shown on Plans is only approximate. Bracket to be located midway between parapet control joints.

A: Normal parapet control joint spacing (Adjust as necessary to meet minimum limitations). Note B:
Station for light post support bracket shown on Plans is only approximate. Bracket to be located midway between parapet control joints.

Face of curb
12#9's, epoxy coated, spaced as shown, top and bottom placed parallel to deck overhang steel.

Provide slip hole or drill and tap box for 1/2" conduit.

5#5 Ties, epoxy coated, @ 12" O.C. See Sheet 2 of 2.

Spacing to match that of deck overhang steel (Varies 5" to 7''). Bars to be placed between deck overhang steel.

Hook one end.

Provide slip hole or drill and tap box for 1/2" conduit.

A: Normal parapet control joint spacing (Adjust as necessary to meet minimum limitations).

If a light post is placed at 1/4 of pier, eliminate the control joint at the 1/4 of pier. The first control joint beyond, on one side only shall be changed to a paraffin joint.

Note A:
The bolt circle dimension and size of anchor bolts shall be provided by the lighting contractor for the fixture identified on the Lighting Plan(s). All light poles to be set plumb using leveling nuts on anchor bolts. Max height of pole for this detail is 40'.

1'-10" 1'-1/2" 1'-1/2" 1'-10"
A (Minimum 6'-5") See Note B

Note B:
Station for light post support bracket shown on Plans is only approximate. Bracket to be located midway between parapet control joints.

A= Normal parapet control joint spacing (Adjust as necessary to meet minimum limitations).

If a light post is placed at 1/4 of pier, eliminate the control joint at the 1/4 of pier. The first control joint beyond, on one side only shall be changed to a paraffin joint.

Note A:
The bolt circle dimension and size of anchor bolts shall be provided by the lighting contractor for the fixture identified on the Lighting Plan(s). All light poles to be set plumb using leveling nuts on anchor bolts. Max height of pole for this detail is 40'.
Note:

All longitudinal bars are #5’s and shall be placed continuously in the sidewalk from expansion opening to expansion opening in a simple span bridge and expansion opening to centerline of pier in a multispan bridge. Refer to SUP-TB(SW)-102.

Note C:
The construction between the sidewalk and the deck slab may vary slightly from the joint indicated. For exact details and location of the joint see “Superstructure” Sheet.

SECTION B-B FOR SIDEWALKS WITH PARAPET

Scale: 1/8" = 1'-0"

Note:
Conduit, drain tubes and cap may be galvanized steel or PVC.

Normal parapet reinforcing.

1/8" conduit, bend using 8" max. radius.

See “Note C”

1/2" Drains (Galv.)

Connect drain to low point of junction box.

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DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF STRUCTURES

SUPPORT BRACKET FOR MOUNTED LIGHT POST WITH SINGLE CONDUIT AND PARAPET WITH DIAMOND BACK AND SIDEWALK

DETAIL NO. SUP-SB(SW)-102 SHEET 2 OF 2
APPROVAL

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OFFICE OF STRUCTURES

DEPARTMENT OF TRANSPORTATION
STATE OF MARYLAND

DETAIL NO. SUP-SBSW-103

SUPPORT BRACKET FOR BRIDGE MOUNTED LIGHT POST WITH SINGLE CONDUIT AND PARAPET WITH ARCHITECTURAL FINISH AND SIDEWALK

Note B:
Station for light post support bracket shown on Plans is only approximate, Bracket to be located midway between parapet control joints.
A = Normal parapet control joint spacing (adjust as necessary to meet minimum limitations).
If a light post is placed at A of pier, eliminate the control joint at the A of pier. The first control joint beyond, on one side only shall be changed to a paraffin joint.

Note A:
The bolt circle dimension and size of anchor bolts shall be provided by the lighting contractor for the fixture identified on the Lighting Plans. All light poles to be set plumb using leveling nuts on anchor bolts. Max height of pole for this detail is 40'.

Note: Deck overhang reinforcing steel not shown.

Recessed Back With Sidewalk

Sleeves for anchor bolts. See "Note A."

Bottom to match underside of fascia, parallel to grade.

For Section "B-B" see Sheet 2 of 2.
Note:
All longitudinal bars are #5's and shall be placed continuously in the sidewalk from expansion opening to expansion opening in a simple span bridge and expansion opening to centerline of pier in a multispan bridge. Refer to SUP-TB(SW)-103.

Note C:
The constr. joint between the sidewalk and the deck may vary slightly from the joint indicated. For exact details and location of the joint see "Superstructure" Sheet.

SECTION B-B FOR SIDEWALKS WITH PARAPET

For exact configuration of overhang see "Typical Cross Section" of bridge.

Connect drain to low point of junction box.

4'' Drains

For exact configuration of overhang see "Typical Cross Section" of bridge.

Connect drain to low point of junction box.

4'' Drains
Face of curb

Spacing to match that of deck overhang steel (Varies 5" to 7", Bars to be placed between deck overhang steel.

12#9's, epoxy coated, spaced as shown, top and bottom placed parallel to deck overhang steel. Hook one end.

Provide slip hole or drill and tap box for 1/4" conduit.

Φ 3/4 conduits, full length of bridge.

#5 Ties. See "Note A".

5-10" Ties, epoxy coated, spaced as shown. See Sheet 2 of 2.

If stain is applied to inside face of concrete the color of the cover shall match the stain. Provide holes in box for 3/4 conduit.

Note:
Station for light post support bracket shown on Plans is only approximate. Bracket to be located midway between parapet control joints.

4-5 Ties

"5 o top and bottom epoxy coated.

Φ Parapet control joint.

See "Note A".

Scale: 1/2"=1'-0"

PLAN

For Section "B-B" see Sheet 2 of 2.

SECTION A-A

Scale: 1/2"=1'-0"

SIDEWALK WITH STRAIGHT BACK AND SIDEWALK

Note:
Deck overhang reinforcing steel not shown.

Note A:
The bolt circle dimension and size of anchor bolts shall be provided by the lighting contractor for the fixture identified on the Lighting Plans. All light poles to be set plum using leveling nuts on anchor bolts. Wax height of pole for this detail is 40'.

6" x 6" x 10" galvanized cast iron, galvanized steel or fiberglass U.L. listed junction boxes with cover. If stain is applied to inside face of concrete the color of the cover shall match the stain. Provide holes in box for 3/4 conduit.

SUP-SB(SW)-201

For Section "B-B" see Sheet 2 of 2.
SECTION B-B FOR SIDEWALKS WITH PARAPET

Scale: 1/8"=1'-0"

Note:
- Conduit, drain tubes and cap may be galvanized steel or PVC.
- Conduit, bend using 8" max. radius.
- Connect drain to low point of conduit.
- Connect drain to low point of junction box (typ.).

Normal parapet reinforcing:

For exact configuration of overhang see "Typical Cross Section" of bridge.

Note C:
- The constr. jt. between the sidewalk and the deck may vary slightly from the joint indicated.
- For exact details and location of the joint see "Superstructure" Sheet.

Note:
- All longitudinal bars are #5's and shall be placed continuously in the sidewalk from expansion opening to expansion opening in a simple span bridge and expansion opening to centerline of pier in a multispan bridge. Refer to SUP-TB(SW)-101.

SIDEWALK WITH STRAIGHT BACK

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STATE HIGHWAY ADMINISTRATION
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SUPPORT BRACKET FOR BRIDGE MOUNTED LIGHT POST
WITH DUAL CONDUITS AND PARAPET
WITH STRAIGHT BACK AND SIDEWALK

DETAIL NO. SUP-SB(SW)-201 Sheet 2 of 2
Note A:
The bolt circle dimension and size of anchor bolts shall be provided by the lighting contractor for the fixture identified on the Lighting Plans. All light poles to be set plumb using leveling nuts on anchor bolts, max height of pole for this detail is 40'.

Note B:
Station for light post support bracket shown on Plans is only approximate. Bracket to be located midway between parapet control joints. A: Normal parapet control joint spacing (Adjust as necessary to meet minimum limitations).

If a light post is placed at & of pier, eliminate the control joint at the L of pier. The first control joint beyond, on one side only shall be changed to a paraffin joint.

Face of curb
12#9's, epoxy coated, spaced as shown, top and bottom placed parallel to deck overhang steel. Hook one end.

Provide slip hole or drill and tap box for 1/4" conduit.

Ø 3" conduits, full length of bridge.

#5 Ø tops and bottom epoxy coated.

Ø Parapet control joint.

See "Note A" 1'-10"
1'-1/2"
1'-1/2"
1'-10"
A/2
A/2
A (Minimum 6'-5") See Sheet 2 of 2

PLAN
Scale: 1/2"=1'-0"
6" x 6" x 10" galvanized cast iron, galvanized steel or fiberglass U.L.II listed junction boxes with cover. If stain is applied to inside face of concrete the color of the cover shall match the stain. Provide holes in box for 3" conduit.

4 3" conduits

No. Ties See Sheet 2 of 2.

1/2" Drain at low point of junction box.
Sleeves for anchor bolts. See "Note A."

For Section "B-B" see Sheet 2 of 2.

SUPER-SUPPORT BRACKET
SUP-SB(SW)-202

SIDEWALK WITH DIAMOND BACK
WITH DUAL CONDUITS AND PARAPET WITH DIAMOND BACK AND SIDEWALK

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SUPPORT BRACKET FOR BRIDGE MOUNTED LIGHT POST WITH DUAL CONDUITS AND PARAPET WITH DIAMOND BACK AND SIDEWALK

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DETAL NO. SUP-SB(SW)-202 SHEET ___ OF ___
Note:
All longitudinal bars are #5’s and shall be placed continuously in the sidewalk from expansion opening to expansion opening in a simple span bridge and expansion opening to centerline of pier in a multispan bridge. Refer to SUP-TBS(SW)-102.

Note C:
The constr. jt. between the sidewalk and the deck slab may vary slightly from the joint indicated. For exact details and location of the joint see “Superstructure” Sheet.

SECTION B-B FOR SIDEWALKS WITH PARAPET

Scale: 1/"=1'-0"

SIDEWALK WITH DIAMOND BACK AND SIDEWALK
Note A:
The bolt circle dimension and size of anchor bolts shall be provided by the lighting contractor for the fixture identified on the Lighting Plans. All light poles to be set plumb using leveling nuts on anchor bolts. Maximum height of pole for this detail is 40'.

Note B:
Station for light post support bracket shown on Plans is only approximate. Bracket to be located midway between parapet control joints.

A = Normal parapet control joint spacing (adjust as necessary to meet minimum limitations). If a light post is placed at A of pier, eliminate the control joint at the A of pier. The first control joint beyond, on one side only shall be changed to a paraffin joint.

8-#5 L Ties, epoxy coated, spaced as shown. See Sheet 2 of 2.

#5 Ties, epoxy coated.

 предоставляется связи, чтобы связь была тесной, а также

sheet 2 of 2.
Note:
All longitudinal bars are #5's and shall be placed continuously in the sidewalk from expansion opening to expansion opening in a simple span bridge and expansion opening to centerline of pier in a multi-span bridge. Refer to SUP-TB(SW)-103.

Note C:
The construction joint between the sidewalk and the deck may vary slightly from the joint indicated.
For exact details and location of the joint see "Superstructure" Sheet.

Conduit, drain tubes and cap may be galvanized steel or PVC.
8-#5 6/8" c/c in place of normal parapet reinforcing.

SECTION B-B FOR SIDEWALKS WITH PARAPET
Scales: 1/2" = 1'-0"

RECESSED BACK WITH SIDEWALK

SUP-SB(SW)-203
SUPPORT BRACKET FOR BRIDGE MOUNTED LIGHT POST WITH DUAL CONDUITS AND PARAPET WITH ARCHITECTURAL FINISH AND SIDEWALK