ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 70	*	ST. CLAIR	111	99

FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT- IM-70

* 82-3HV8-3R-3
CONTRACT NO. 76305

SHEET S-32 OF S-44

1 / S32 PARAPET DEMOLITION PLAN

New parapet to be cast as shown on Shts. S14 through S22

Existing parapet and sidewalk to be removed

Exist. transverse deck reinforcing to remain in deck, See Note 1 with Detail 3/S32 for Additional Requirements.

Limit of deck removal as shown on Shts. S14 through S22

9" Typ.

Existing steel decking

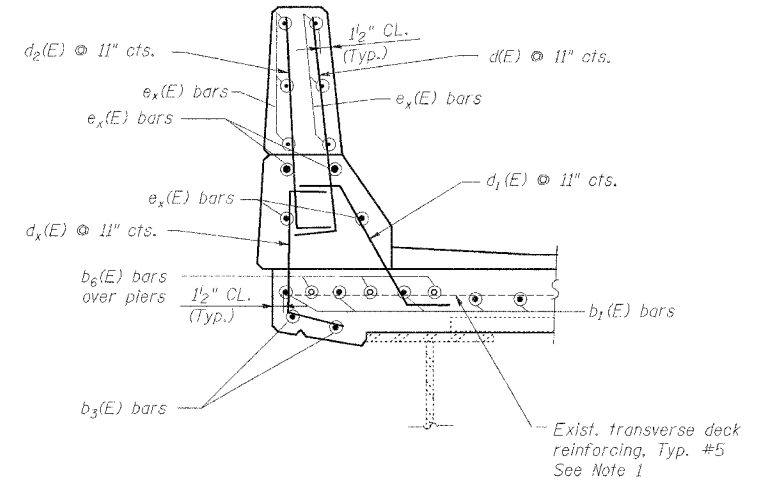Existing concrete deck to be removed
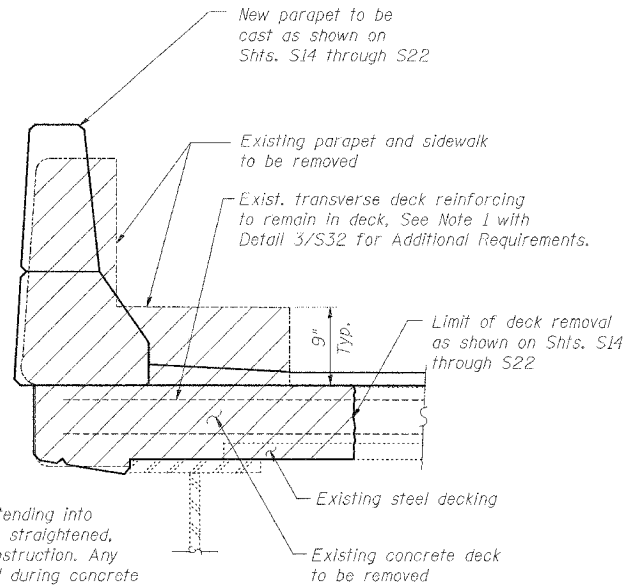
Note:
Existing deck reinforcing bars extending into the removal area shall be cleaned, straightened, and incorporated into the new construction. Any reinforcing bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with concrete removal.
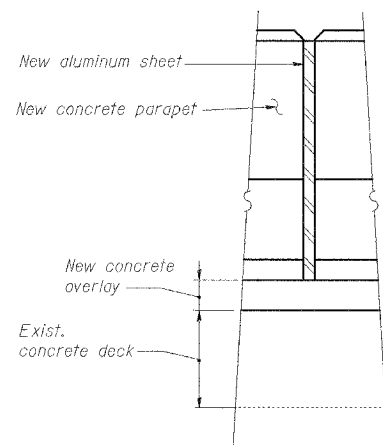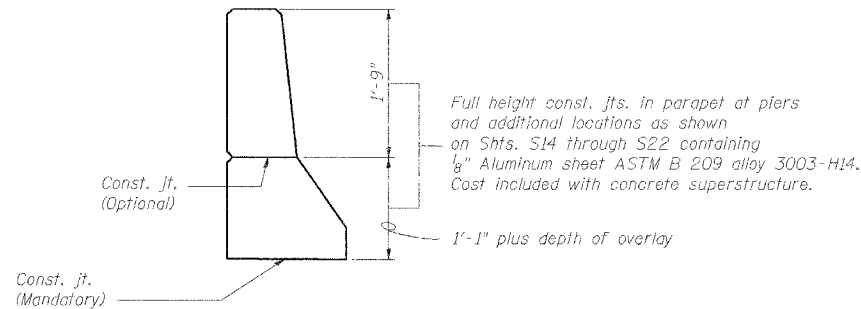
2 / S32 TYPICAL NEW PARAPET CROSS SECTION

Const. jt. (Optional)

Const. jt. (Mandatory)

$11\frac{1}{2}$" plus depth of overlay

Slope of the new top deck surface should match exist. unless otherwise noted.

Address top deck surface as shown on Sht. S35.

New $2\frac{1}{2}$" bonded concrete overlay

Exist. steel decking

$\frac{3}{4}$" △ Drip notch, full length

Dimensions: 1'-0", 7", 2", $7\frac{3}{4}$", $2\frac{1}{4}$", 1'-9", 1'-9", 2'-10" Parapet, 10", 5", 9", 2", 2", 4", 1"

Notes:
All edges shall have $\frac{3}{4}$" chamfer.

3 / S32 TYPICAL REINFORCEMENT FOR NEW PARAPET

$d_2(E)$ @ 11" cts.
$1\frac{1}{2}$" CL. (Typ.)
$d(E)$ @ 11" cts.
$e_x(E)$ bars
$e_x(E)$ bars
$e_x(E)$ bars
$d_1(E)$ @ 11" cts.
$d_x(E)$ @ 11" cts.
$b_6(E)$ bars over piers
$1\frac{1}{2}$" CL. (Typ.)
$b_1(E)$ bars
$b_3(E)$ bars
Exist. transverse deck reinforcing, Typ. #5 See Note 1

Note 1. Existing transverse reinforcement terminated at locations of existing floor drains and does not extend across the full width of the deck at those locations. Contractor shall provide #5 $a_{35i}(E)$ bars connected to existing transverse bars via mechanical splices at these locations. See deck plan sheets for quantities.

4 / S32 PARAPET CONSTRUCTION JOINT

New aluminum sheet

New concrete parapet

New concrete overlay

Exist. concrete deck

5 / S32 PARAPET JOINT DETAILS

1'-9"

Const. jt. (Optional)

Const. jt. (Mandatory)

Full height const. jts. in parapet at piers and additional locations as shown on Shts. S14 through S22 containing $\frac{1}{8}$" Aluminum sheet ASTM B 209 alloy 3003-H14. Cost included with concrete superstructure.

1'-1" plus depth of overlay

Notes:
$e_x(E)$ bars shall not pass thru aluminum sheets.

Contractor shall verify existing dimensions in field.