<table>
<thead>
<tr>
<th>CELL / MODEL NAME</th>
<th>DESCRIPTION</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>SDE-SB-1</td>
<td>Superstructure Details; Expansion; Steel beam; Single span</td>
<td>2/17/2017</td>
</tr>
<tr>
<td>SDE-SB-2</td>
<td>Superstructure Details; Expansion; Steel beam; Multi-span</td>
<td>2/17/2017</td>
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<tr>
<td>SE-SB-1-0</td>
<td>Superstructure; Expansion; Steel beam; Single span; No skew</td>
<td>2/17/2017</td>
</tr>
<tr>
<td>SE-SB-1-L-Greater than 30 degrees</td>
<td>Superstructure; Expansion; Steel beam; Single span; Left skew; Greater than 30 degrees</td>
<td>2/17/2017</td>
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<tr>
<td>SE-SB-1-L-Less than or equal to 30 degrees</td>
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<tr>
<td>SE-SB-1-R-Greater than 30 degrees</td>
<td>Superstructure; Expansion; Steel beam; Single span; Right skew; Greater than 30 degrees</td>
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<tr>
<td>SE-SB-2-0</td>
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end to end deck

top of slab

3 x -#5 b(E) bars

cross section. bottom of slab

3-#5 b(E) bars spaced as shown in bottom between beams, each end

-#5 a(E) bars at cts. top

-#5 a1(E) bars at cts. bottom

-#5 a(E) bars at cts. top

-#5 a1(E) bars at cts. bottom

-#5 d(E) bars at cts. top

-#5 d1(E) bars at cts. bottom

2 x -#5 b(E) bars
top of slab

d(E)
d1(E)
b(E)
a(E)
a1(E)

Order d(E) & a(E) bars full length. Cut to fit skew and use remainder of bars in opposite end.

MINIMUM BAR LAP

#5 bar = 3'-6"

1'-7"

PLAN

MINIMUM BAR LAP

#5 bar = 3'-6"

PLAN

out to out deck

FACE TO FACE PARAPETS

MINIMUM BAR LAP

#5 bar = 3'-6"

PLAN

out to out deck

FACE TO FACE PARAPETS

Notes:
See sheet of for superstructure details and Bill of Material.
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
STRUCTURE NO.
SUPERSTRUCTURE

out to out deck
1'-7"

face to face parapets
spaces at

d(E)
d1(E)
b(E)
a2(E)
a1(E)
d(E)
d1(E)
b(E)
b1(E)
a2(E)
a(E)

Total drop =
typ. between beams

#5 b1(E) bars spaced as shown in
top of slab

SE-SB-1-R(>30°)

PLAN

MINIMUM BAR LAP
#5 bar = 3'-6"

Notes:
See sheet of for superstructure details and Bill of Material.
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.

out to out deck

slope %
slope %

spaces at

CROSS SECTION
(Looking )

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE NO.

F.A.
RTE.
SECTION
COUNTY
CONTRACT NO.
TOTAL SHEETS
SHEET NO.
FED. AID PROJECT
### MINIMUM BAR LAP

#5 bar = 3'-6".

*Order #6(E) & #8(E) bars full length.
*Cut to fit skew and use remainder of bars in opposite end.

Bar details:
- #6(E) bars at 6" cts. top, each end
- #8(E) bars at 8" cts. top, each end
- #6(E) headed bars at 8" cts. bottom between, each end
- 4-#5 a(E) bars at 6" cts. top, each end
- 3-#5 b(E) bars at 6" cts. bottom
- 1-# a1(E) bar, bottom each end
- 1-# d1(E) bar
- 3-# a(E) bars at 6" cts. top
- 1-#5 a1(E) bars at 12" cts.
- 2-#5 b(E) bars at 12" cts.
- 3-#5 d1(E) bars at 11" cts.
- 3-#5 b(E) bars at 12" cts.
- 3-#5 a(E) bars at 6" cts. top

**Notes:**
- See sheet for superstructure details.
- Bars indicated thus 20×3-#5 etc. indicates 20 lines of bars with 3 lengths per line.

**PLAN**

- Out to out deck
- Face to face parapets
- Slope %
- Total drop =

**CROSS SECTION**

(Looking /)

- Spaces at 1'-7"
- Total drop =
**Notes:**

See sheet of for superstructure details and Bill of Material. Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.

**MINIMUM BAR LAP**

#5 bar = 3'-0"

- Order #5 & #6(E) bars full length.
- Cut to fit skew and use remainder of bars in opposite end.
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- Order #5 & #6(E) bars full length.
- Cut to fit skew and use remainder of bars in opposite end.
MINIMUM BAR LAP
#5 bar = 3'-6"

PARTIAL PLAN

CROSS SECTION

Notes: See sheet of for superstructure details and Bill of Material. Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
-#5 a(E) bars at cts. top
-#5 b(E) bars at cts. top, each end
-#5 a(E) bars at cts. bottom
-#5 b(E) bars at cts. bottom
-#5 a(E) bars at 17" cts.
-#5 d1(E) bars at 11" cts.
-#5 b1(E) bars at 12" cts.
-#5 a1(E) bars at 9" cts. top
-#5 a(E) bars at 9" cts. top
-#5 a1(E) bars at 9" cts. bottom
-#5 a(E) bars at 9" cts. bottom
-#5 d1(E) bars at 11" cts.
-#5 a5(E) bars at 6" cts. top, each end
1-#4 a3(E) headed bars at 6" cts. bottom between beams, each end
3-#5 a(E) headed bars at 6" cts. bottom between beams, each end
-#5 b1(E) bars at ±12" cts.
-#5 b(E) bars equally spaced at ±12" cts.
-#6 b1(E) bars at ±12" cts.
-#6 b(E) bars at ±12" cts.
-#5 d(-E) bars full length.
Cut to fit skew and use remainder of bars in opposite end.
Order a(E) & a1(E) bars full length.
See sheet of for superstructure details and Bill of Material.
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.

MINIMUM BAR LAP

#5 bar = 3'-0"
### Top of Slab
- 3 x -#5 b(E) bars equally spaced at ±12" cts.

### Top of Slab over Pier
- 6 x -#6 b1(E) bars at ±12" cts.

### Bottom of Slab
- 5 x -#5 b2(E) bars spaced as shown in Cross Section

### Particulars
- See sheet for superstructure details

### Notes
- * -#5 a1(E) bars at 1'-2" cts. bottom
- * -#5 a(E) bars at 1'-7" cts. top

### Cross Section
- Total drop = 1'-7"
- Spaces at NEAR PIER
- Spaces at NEAR MIDSPAN

### Partial Plan
- Minimum Bar Lap
  
  | #5 bar | 3'-6" |

### Particulars
- Bar indicated thus: 20 x 3-#5 etc. indicates and Bill of Material
- See sheet for superstructure details
- Bars indicated thus: 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.