<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>11/22/2016</td>
</tr>
<tr>
<td>SDE-SB-2</td>
<td>Superstructure Details; Expansion; Steel beam; Multi-span</td>
<td>11/22/2016</td>
</tr>
<tr>
<td>SE-SB-1-0</td>
<td>Superstructure; Expansion; Steel beam; Single span; No skew</td>
<td>11/22/2016</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>11/22/2016</td>
</tr>
<tr>
<td>SE-SB-1-L-Less than or equal to 30 degrees</td>
<td>Superstructure; Expansion; Steel beam; Single span; Left skew; Less than or equal to 30 degrees</td>
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</tr>
<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>
<td>11/22/2016</td>
</tr>
<tr>
<td>SE-SB-1-R-Less than or equal to 30 degrees</td>
<td>Superstructure; Expansion; Steel beam; Single span; Right skew; Less than or equal to 30 degrees</td>
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<tr>
<td>SE-SB-2-0</td>
<td>Superstructure; Expansion; Steel beam; Multi-span; No skew</td>
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MINIMUM BAR LAP

#5 bar = 3'-6"

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

See Sheet of for superstructure details Notes:
-#5 d(E) bars at 11'' cts.
-#5 b(E) bars at 6'' cts. top, each end
-#5 x (E) bars bottom, each end (Fixed)

Back of Abut.
Back of (Expansion)

PLAN

cross section. bottom of slab

" at 50° F.

out to out deck

Face to Face parapets

Total drop =

CROSS SECTION

looking }

spaces of

DEF.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STRUCTURE NO.

FILE NAME
USER NAME
PLOT SCALE
PLOT DATE
CHECKED
DRAWN
CHECKED
DESIGNED

REVISED
REVISED
REVISED
REVISED

DEPARTMENT OF TRANSPORTATION
STATE OF ILLINOIS
F.A.
RTE.
SECTION
ILLINOIS FED. AID PROJECT
COUNTY
CONTRACT NO.
TOTAL
SHEETS
SHEET

SE-SB-1-0
MINIMUM BAR LAP
#5 bar = 3'-6''

PLAN
Face to face parapets

CROSS SECTION
Looking Up

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

MINIMUM BAR LAP

-#5 bar = 3'-6''

CROSS SECTION (Looking )

SE-SB-1-RD(30°)

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

Cross section bottom of slab
3 x -#5 b(E) bars spaced as shown in (Fixed)
Back of Abut. 4 each end
-#5 x (E) bars bottom, spaced as shown,
(Expansion) Abut.
Cut to fit skew and use remainder of bars in opposite end.
Order a(E) & a(E) bars full length.
See sheet of for superstructure details
and Bill of Material.
Drawn See sheet of of superstructure details
Details, typ. for point block
Details, typ. along skew (typ.)
Details, typ. for point block
Details, typ. along skew (typ.)

Notes:

* -#5 a(E) bars at 11'' cts.
2 -#5 d(E) bars at 11'' cts.
11-22-2016

150° F.

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

- #5 bars at 3'-6" each end

**CROSS SECTION**

**PARTIAL PLAN**

- Order all #5 and #6 bars full length.
  - Cut to fit skew and use remainder of bars in opposite end.

- See sheet of for superstructure details.
  - Notes: See sheet of for structure details and Bill of Material.

- 20 lines of bars with 3 lengths per line.

**SE-SB-2-LO309**

- Total drop = 2'-10"

- Minimum bar lap:
  - #5 bar = 3'-6"

- Order all #5 and #6 bars full length.
  - Cut to fit skew and use remainder of bars in opposite end.

- See sheet of for superstructure details.
  - Notes: See sheet of for structure details and Bill of Material.

- 20 lines of bars with 3 lengths per line.

**SE-SB-2-LO309**

- Total drop = 2'-10"

- Minimum bar lap:
  - #5 bar = 3'-6"
20 lines of bars with 3 lengths per line. Bars indicated thus 20 x 3-#5 etc. indicates and Bill of Material. See sheet of for superstructure details.

Notes:
- Order a(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"
**MINIMUM BAR LAP**

- #5 bar = 3'-6''

**PARTIAL PLAN**

- #5 d (E) bars at 11'' cts.
- #5 a (E) bars at 6'' cts., bottom
- #5 a (E) bars at 6'' cts., top
- #5 d (E) bars at 12'' cts.

**CROSS SECTION**

- Typical between beams
- 20 lines of bars with 3 lengths per line.
- See sheet of for superstructure details.
- Cut to fit skew and use remainder of bars in opposite end.

**Notes:**
- Order d(E) & a(E) bars full length.
- Bars indicated thus 20 x 3-#5 etc. indicates and Bill of Material.
- See sheet of for superstructure details.
- Lap with a(E) bars in joints in parapet.
- Aluminum sheet 1 '-7'' at 0 ° F.
- Details, typ. for point block.
- Total drop =
- Min. bar lap
- #5 bar = 3'-6''

**SE-SB-2-RD30°**

11-22-2016
Top of slab
-#5 b(E) bars equally spaced at |12'' cts.

Top of slab
-#6 b(E) bars at |12'' cts.

Top of slab
3 x -#5 b(E) bars

Top of slab
2-#6 b(E) bars

Cross section. Bottom of slab
-#5 a(E) bars spaced as shown in out to out deck

Notes:
* Order d(E) & a(E) bars full length. Cut to fit skew and use remainder of bars in opposite end.
* -#5 a(E) bars at 6'' cts. bottom
* -#5 a(E) bars at 6'' cts. top

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

UNIT PLAN
~ Pier

Skew
°

PARTIAL PLAN

SE-SB-2-R(30°)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE NO.

DEPARTMENT OF TRANSPORTATION
STATE OF ILLINOIS
F.A.
RTE.
SECTION
FED. AID PROJECT
COUNTY
CONTRACT NO.
TOTAL SHEETS
SHEET NO.