<table>
<thead>
<tr>
<th>CELL / MODEL NAME</th>
<th>DESCRIPTION</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>SDI-SB-1</td>
<td>Superstructure Details; Integral; Steel beam; Single span</td>
<td>2/17/2017</td>
</tr>
<tr>
<td>SDI-SB-2</td>
<td>Superstructure Details; Integral; Steel beam; Multi-span</td>
<td>2/17/2017</td>
</tr>
<tr>
<td>SDI-SB-TXR4-2</td>
<td>Superstructure Details; integral; steel beam; Texas rail TL-4; multi-span</td>
<td>2/17/2017</td>
</tr>
<tr>
<td>SI-SB-1-0</td>
<td>Superstructure; Integral; Steel beam; Single span; No skew</td>
<td>2/17/2017</td>
</tr>
<tr>
<td>SI-SB-1-L-Greater than 30 degrees</td>
<td>Superstructure; Integral; Steel beam; Single span; Left skew; Greater than 30 degrees</td>
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<td>SI-SB-1-R-Greater than 30 degrees</td>
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</table>
F.A. RTE. SECTION
FED. AID PROJECT
COUNTY CONTRACT NO.

BILL OF MATERIAL

<table>
<thead>
<tr>
<th>No.</th>
<th>Size</th>
<th>Weight</th>
<th>Description</th>
</tr>
</thead>
</table>
| BAR d(E) | #5 | 10 lbs. | Epoxy Coated Reinforcement Bars, conforming to ASTM A706. 
| BAR s10(E) | #5 | 4 lbs. | Epoxy Coated Reinf. Plastic Rebar, 6" Ø x 8" Fiberglass Pipe. 
| BAR s11(E) | #5 | 4 lbs. | Epoxy Coated Bendable Bar, 1" Ø Steel Stud Bolt. 

Notes:
- Fiberglass pipe shall conform to ASTM D2996, with short-time rupture strength hoop tensile stress.
- The exterior surfaces of the floor drains shall be painted according to Article 506 with the finish coat as specified.
- The exterior surfaces of the floor drains shall be coated according to the Society of Protective Coating's Spec. SSPC-SP11 prior to painting.
- The top portion of aluminum floor drains shall be coated to minimize reaction with wet concrete.
- The clamping device shall be galvanized according to AASHTO M232. Cost of clamping device included.
- Headed bars shall conform to ASTM A416 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.

SECTION THRU RAILING

- Concrete, reinforcing, and piping. See sheet for details.
- Dimensions as required by drawing. 

Notes:
- Dimensions as required by drawing.
- Fiberglass pipe shall conform to ASTM D2996, with short-time rupture strength hoop tensile stress.
- The exterior surfaces of the floor drains shall be painted according to Article 506 with the finish coat as specified.
- The exterior surfaces of the floor drains shall be coated according to the Society of Protective Coating's Spec. SSPC-SP11 prior to painting.
- The top portion of aluminum floor drains shall be coated to minimize reaction with wet concrete.
- The clamping device shall be galvanized according to AASHTO M232. Cost of clamping device included.
- Headed bars shall conform to ASTM A416 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.
MINIMUM BAR LAP
#5 bar = 3'-0"

PLAN
out to out deck
1'-7"
1'-7"
1'-2"
1'-2"

Face to face parapets:

Total drop =

CROSS SECTION
(Looking )

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

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 NO.
MINIMUM BAR LAP

#5 bar = 3'-6"

- Order #5(E) & #5(E) bars full length
- Cut to fit skew and use remainder of bars in opposite end.

PLAN

out to out deck

CROSS SECTION

(Looking )

SI-SB-1-L(>30°)  2-17-2017

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE NUMBER

FILE NAME

USER NAME

PLOT SCALE

PLOT DATE

CHECKED

DRAWN

CHECKED

DESIGNED

REVISED

REVISED

REVISED

REVISED

DEPARTMENT OF TRANSPORTATION
STATE OF ILLINOIS
FED. AID PROJECT
COUNTY
CONTRACT NO.
TOTAL SHEETS
SHEET NO.

Notes:
- See sheet 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
- Face to face parapets
- Spaces at

**PLAN**

- Bend d(E) bar to fit
- Cut back leg of d1(E) bar to fit
- Cut to fit skew and use remainder of bars in opposite end

**MINIMUM BAR LAP**

#5 bar = 3'-6"

**CROSS SECTION**

(Looking )

**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 = 7'-6"-
- Order #6(E) & #5(E) bars full length.
- Cut to fit skew and use remainder of bars in opposite end.

PLAN

CROSS SECTION

Notes:
- See sheet of for superstructure details and Bill of Material.
- Bars indicated thus 20 x #5 etc. indicates 20 lines of bars with 3 lengths per line.
- Order a(E) & a1(E) bars full length.
- Cut to fit skew and use remainder of bars in opposite end.
- Order #6(E) & #5(E) bars full length.
- Cut to fit skew and use remainder of bars in opposite end.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE NO.

SHEET NO. =
CHECKED =
DRAWN =
REVISED =
DEPARTMENT OF TRANSPORTATION
STATE OF ILLINOIS
F.A. RTE.
SECTION
ILLINOIS FED. AID PROJECT
CONTRACT NO.
TOTAL SHEETS
SHEET

2-12-2017

SI-SB-1-R(≤30°)
MINIMUM BAR LAP

#5 bar = 7'-6"
**MINIMUM BAR LAP**

- #5 bar = 3'-6"  
- #5 d(E) bars at 11" cts.
- #5 a(E) bars at ±12" cts.
- #5 b1(E) bars at ±12" cts.

**PARTIAL PLAN**

- Cut back leg of d1(E) bar to fit
- Bend d1(E) each end top and bottom
- Order #6 & #5(E) bars full length.
- Cut to fit skew and use remainder of bars in opposite end

**CROSS SECTION**

- #5 a(E) bars at its top
- #5 b2(E) bars spaced as shown
- #5 a(E) bars at ±12" cts., top
- #5 b(E) bars equal spaced
- #5 b1(E) bars at ±12" cts.

**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.

**SI-SB-2-L(≤30°)**
MINIMUM BAR LAP

-5 bar = 3'-6"
-22 Order #5(1) bars full length.
-22 Cut to fit skew and use remainder of bars in opposite end.

PARTIAL PLAN

Notes:
See sheet 
B for superstructure details

CROSS SECTION

Total drop =

CUT BACK LEG OF #5(1) BAR TO FIT
MINIMUM BAR LAP

-5 bar = 7'-8"

Order #5 & #3 bars full length.
Cut to fit skew and use remainder of bars in opposite end.

PARTIAL PLAN

CROSS SECTION

SI-SB-2-R(≤30°)  2-17-2017