## BILL OF MATERIALS

<table>
<thead>
<tr>
<th>MARK OR SIZE</th>
<th>NO. OF BARS</th>
<th>LENGTH</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>S901</td>
<td>42</td>
<td>4'-2&quot;</td>
<td></td>
</tr>
<tr>
<td>S904</td>
<td>5</td>
<td>16'-7&quot;</td>
<td></td>
</tr>
</tbody>
</table>

Total Epoxy-Coated Reinforcing Steel: 269 LBS

## EPOXY-COATED REINFORCING STEEL

Concrete, Class C

## MISCELLANEOUS

Concrete bridge railing transition type TFC, TPF-1, TPF-2, TPS-1, OR TPS-2 limits


### NOTES

1. See Standard Drawings E 706-TFC-01 through -03 for concrete bridge railing transition type TFC details.
2. See Standard Drawings E 706-TPF-01 and -02 for concrete bridge railing transition type TPF-1 details.
   - See Standard Drawings E 706-TPF-03 and -04 for concrete bridge railing transition type TPF-2 details.
   - See Standard Drawings E 706-TPF-05 and -06 for concrete bridge railing transition type TPS-1 details.
   - See Standard Drawings E 706-TPP-07 and -08 for concrete bridge railing transition type TPS-2 details.

### SECTION F-F

Concrete bridge railing limits

- 3 - S904 (bottom)
- 2 - S904 (top)

Concrete bridge approach

- 33-S901 (top), lap with #4 bars in R.C. bridge approach
- 8 spa. @ 2'-0" = 16'-0" (bottom)
- 9-S901 (bottom), lap with #5 bars in R.C. bridge approach

### SECTION E-E

Concrete bridge approach

- R.C. bridge approach
- S901 x 4'-2"
- S904 x 16'-7"

### PLAN

Concrete bridge railing limits

- 1'-6" cl.
- 2'-0" cl.
- 3'-7" cl.
- 6"
- 6"
- 3"
- 3"
- 2'-0" cl.
- 1'-6" cl.

### E 609-TBFAE-01

- STANDARD DRAWING NO.
- RCBA EXTENSION FOR BRIDGE RAILING TRANSITION TFC, TPF-1, TPF-2, TPS-1, OR TPS-2
- SEPTEMBER 2012

**INDIANA DEPARTMENT OF TRANSPORTATION**

**SUPERVISOR, ROADWAY STANDARDS**

**CHIEF ENGINEER**

### STANDARD DRAWING NO.

E 609-TBFAE-01

- /s/ Richard L. VanCleave
- /s/ Mark A. Miller

- DATE: 09/04/12
- DATE: 09/04/12

- STATE OF
- STATE OF

- RICHARD L. VANCLEAVE
- RICHARD L. VANCLEAVE

- SUPERVISOR, ROADWAY STANDARDS
- CHIEF ENGINEER

- DATE
- DATE

- 9750
- 9750
Concrete bridge railing transition type TFT, TTF-2, or TTX limits (1, 2, 3)

Concrete bridge railing limits

20'-6"

3"

3"

Concrete, Class C

Reinforcing Steel

Total Epoxy-Coated Reinforcing Steel

333 LBS

MISCELLANEOUS

Concrete, Class C

3.4 SYS

BILL OF MATERIALS

Quantities are for one side's RCBA extension

EPOXY-COATED REINFORCING STEEL

<table>
<thead>
<tr>
<th>MARK OR SIZE</th>
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<th>WEIGHT</th>
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<tr>
<td>5901</td>
<td>52</td>
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<tr>
<td>5902</td>
<td>5</td>
<td>20'-7&quot;</td>
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</table>

Total Epoxy-Coated Reinforcing Steel

333 LBS

NOTES

1. See Standard Drawing E 706-TTFT-01 through -03 for concrete bridge railing transition type TFT details.

2. See Standard Drawing E 706-TTFF-01 through -04 for concrete bridge railing transition type TFF-2 details.


INDIANA DEPARTMENT OF TRANSPORTATION

RCBA EXTENSION FOR BRIDGE RAILING TRANSITION TFT, TTF-2, OR TTX

SEPTEMBER 2012

STANDARD DRAWING NO. E 609-TBAE-02

/Richard L. VanCleave 09/04/12
SUPERVISOR, ROADWAY STANDARDS

/Mark A. Miller 09/04/12
CHIEF ENGINEER

DATE

DATE
Concrete, Class C
Reinforcing Steel
Total Epoxy-Coated
EPOXY-COATED REINFORCING STEEL
312 LBS
3.4 SYS

BILL OF MATERIALS

RCBA extension

EPOXY-COATED REINFORCING STEEL

<table>
<thead>
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<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
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<td>11</td>
<td>5'-0&quot;</td>
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</tr>
<tr>
<td>5901</td>
<td>35</td>
<td>4'-2&quot;</td>
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<td>#5</td>
<td>5</td>
<td>18'-1&quot;</td>
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</tr>
<tr>
<td>#5</td>
<td>2</td>
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<tr>
<td>Total Epoxy-Coated Reinforcing Steel</td>
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<td></td>
<td>312 LBS</td>
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MISCELLANEOUS

Concrete, Class C
3.4 SYS

NOTES

1. See Standard Drawings E 706-TWFC-01 through -03 for concrete bridge railing transition WFC details.


INDIANA DEPARTMENT OF TRANSPORTATION
RCBA EXTENSION FOR
BRIDGE RAILING TRANSITION
WFC
SEPTEMBER 2012

STANDARD DRAWING NO. E 609-TBAE-03

SUPERVISOR, ROADWAY STANDARDS DATE

/\ Richard L. VanCleave 09/04/12

/\ Mark A. Miller 09/04/12

CHIEF ENGINEER DATE

STATE OF
IN
RICHARD L. VANCLEAVE
CONTRACTING ENGINEER

9750
No. STATE OF
RICHARD L. VANCLEAVE
CONTRACTING ENGINEER

9750
No. STATE OF
RICHARD L. VANCLEAVE
CONTRACTING ENGINEER
GENERAL NOTES


3. This end of the reinforced concrete bridge approach extension shall match the construction at the bridge end as shown on the plans.


5. See the plans for thickness of RCBA and its extension to be used with asphalt pavement.

6. See the plans for thickness of RCBA and its extension to be used with a terminal joint and portland cement concrete pavement.