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<th>CELL / MODEL NAME</th>
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<th>DATE</th>
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<tr>
<td>PDS-11-M-F-0</td>
<td>11&quot; bm super multi span F shape, no skew</td>
<td>6/8/2015</td>
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<tr>
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</tr>
<tr>
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<td>1/27/2012</td>
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<tr>
<td>PDS-HMA-11-M-T1-R</td>
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<td>6/8/2015</td>
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<td>PDS-HMA-M-R34-0</td>
<td>17&quot; thru 42&quot; bm super multi span R34 rail (HMA), no skew</td>
<td>7/1/2010</td>
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<tr>
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<tr>
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<td>-------------------</td>
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<td>17” thru 42” bm super simple span R34 rail, ahead right</td>
<td>6/8/2015</td>
</tr>
</tbody>
</table>
PLAN

out to out deck

Free to Face parapets

CROSS SECTION

(out to out)

MINIMUM BAR LAP

#4 bar 2'-2"

Notes:
- All concrete wearing surfaces shall be placed prior to casting a backwall and/or approach slab. See sheet of for Superstructure Details pad details.
- 1'' x 2" Dowels in cap (2 each beam)
- 1'' x 2" Dowels in cap (2 each beam)
- 1'' x 2" Formed joint with Bridge Relief Joint Sealer (See Special Provisions)
- Bridge Relief Joint Sealer (See Special Provisions)
- 1'' x 2" Formed joint with Bridge Relief Joint Sealer (See Special Provisions)
- Bridge Relief Joint Sealer (See Special Provisions)
- Bridge Relief Joint Sealer (See Special Provisions)
- Bridge Relief Joint Sealer (See Special Provisions)
- 1'' x 2" Formed joint with Bridge Relief Joint Sealer (See Special Provisions)

SECTION A-A

Notes:
- Bars indicated thus 30 x #4 etc. Indicates 30 bars of #4 bars with 2 lengths per line.
- Bars indicated thus 30 x #4 etc. Indicates 30 bars of #4 bars with 2 lengths per line.
- Bars indicated thus 30 x #4 etc. Indicates 30 bars of #4 bars with 2 lengths per line.
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- Bars indicated thus 30 x #4 etc. Indicates 30 bars of #4 bars with 2 lengths per line.
- Bars indicated thus 30 x #4 etc. Indicates 30 bars of #4 bars with 2 lengths per line.

SECTION B-B

Notes:
- Bars indicated thus 30 x #4 etc. Indicates 30 bars of #4 bars with 2 lengths per line.
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- Bars indicated thus 30 x #4 etc. Indicates 30 bars of #4 bars with 2 lengths per line.
Inside Elevation of Parapet

**MINIMUM BAR LAP**

- 4 x 2" galvanized steel in backwall (Parapet) $\#4 \times 2"$

**INSIDE ELEVATION OF PARAPET**

- Parapet joints
- See Section thru Parapet

**SECTION THRU PARAPET**

- Use 1" preformed self-expanding cork joint filler according to ASTM C-920, Type S, Grade NS, Class 25.
- Use 1" x 3" aluminum sheet with a 3" backer rod.

**Pier Joint Details**

- Use 5" preformed joint filler.
- Use 1 1/2" x 3" aluminum sheet with 5" backer rod.

**ANTICIPATED CONCRETE WEARING SURFACE PROFILE**

- Use 1 1/2" x 3" aluminum sheet with a 3" backer rod.
- Use 5" preformed joint filler.

**BILL OF MATERIAL**

- Use 1 1/2" x 3" aluminum sheet with a 3" backer rod.
- Use 5" preformed joint filler.

**CONSTRUCTION DETAILS**

- Use 1" preformed self-expanding cork joint filler according to ASTM C-920, Type S, Grade NS, Class 25.
- Use 1" x 3" aluminum sheet with a 3" backer rod.

**SUPERSTRUCTURE**

- Use 1" preformed self-expanding cork joint filler according to ASTM C-920, Type S, Grade NS, Class 25.
- Use 1" x 3" aluminum sheet with a 3" backer rod.

**STATE OF ILLINOIS**

- Use 1" preformed self-expanding cork joint filler according to ASTM C-920, Type S, Grade NS, Class 25.
- Use 1" x 3" aluminum sheet with a 3" backer rod.

**DEPARTMENT OF TRANSPORTATION**

- Use 1" preformed self-expanding cork joint filler according to ASTM C-920, Type S, Grade NS, Class 25.
- Use 1" x 3" aluminum sheet with a 3" backer rod.

---

Note: All details and materials shall be in accordance with the Standard Specifications for Highway Engineering, Illinois Department of Transportation. The contractor shall be responsible for the installation of all materials and the completion of all work in accordance with the plans and specifications. The cost of all work shall be included in the lump sum contract price.
**SECTION A-A**

- MINIMUM BAR LAP
- FACE TO FACE PARAPETS 1'-7''
- 1'' x 2'' F.J.F.
- 2'' x 2'' F.J.F.
- 1'' x 3'' (full width)
- 2'' x 1'' P.J.F.
- 1'' x 2'' P.J.F.
- 1'' x 2'' P.J.F.
- 1'' x 1'' P.J.F.
- 2'' x 2'' P.J.F.
- 1'' x 2'' P.J.F.
- 1'' x 2'' P.J.F.
- 2'' x 2'' P.J.F.
- 1'' x 2'' P.J.F.
- 2'' x 1'' P.J.F.
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- 1'' x 3'' P.J.F.
- 2'' x 2'' P.J.F.
- 1'' x 3'' P.J.F.
- 2'' x 2'' P.J.F.
MINIMUM BAR LAP

- #4 bar = 2'-2''
- #4 bar = 2'-2''

Notes:
- See sheet for fabric bearing pad details.
- All concrete wearing surfaces shall be placed prior to casting a backwall and/or approach slab.
- See sheet for Superstructure Details and Bill of Materials.
- Bars indicated thus 23 x #4 etc., indicates 23 lines of bars with a spacing per line.
**SUPERSTRUCTURE DETAILS**

**BILL OF MATERIAL**

<table>
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<tr>
<th>Description</th>
<th>Unit</th>
<th>Quantity</th>
<th>Unit Price</th>
<th>Total Cost</th>
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<td>Concrete Wearing Surface</td>
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<td></td>
</tr>
<tr>
<td><strong>MINIMUM BAR LAP</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Loop Ferrule inserts for 5'' bolts.</td>
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<td></td>
<td></td>
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<tr>
<td>Place at 1/2 of beam depth.</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Place (DE) bars at 9'' cts. in fascia beam.</td>
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</tr>
</tbody>
</table>

*Non-staining gray one-component non-sag elastomeric gun grade polyurethane sealant meeting the requirements of ASTM C-920, Type S, Grade NS, Class 25. Use Type 1 with a 3/8'' backer rod.*

**SECTION B-B**

<table>
<thead>
<tr>
<th>Description</th>
<th>Unit</th>
<th>Quantity</th>
<th>Unit Price</th>
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<tr>
<td>Concrete Wearing Surface</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>INSIDE ELEVATION OF PARAPET</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**ACTUAL CONCRETE WEARING SURFACE PROFILE** (For information only)

**REMARKS**

- Drain tubes and accessories shall be galvanized according to AASHTO M111 or M232, as applicable.
- The cost of the drain tube assemblies and everything necessary for their installation is included with Concrete Superstructure.
**SECTION A-A**

**PLAN**

- #4 b(E) bars at 12'' cts.
- 2 #4 b(E) bars equal spaced at 12'' cts.

**Abut.**

- Back of face to face parapets 1'-7''

**CROSS SECTION** (Looking )

- 3'' x 10'' Precast Prestressed Concrete Deck Beams
- Slope '' per foot

**MINIMUM BAR LAP**

- #4 bar = 2'-2''
- #4 bar = 2'-2''

**Notes:**

- See sheet of for Superstructure Details and/or approach slab.
- Bars indicated thus 20 x 2-#4 etc. indicates total drop = Surface Concrete Wearing Beaker pad details.

**MINIMUM BAR LAP**

- #4 bar = 2'-2''
- #4 bar = 2'-2''

**Notes:**

- See sheet of for Superstructure Details and/or approach slab. All concrete wearing surfaces shall be placed prior to casting a backwall and/or approach slab. See sheet of for fabric bearing pad details.
PLAN

SECTION A-A

See sheet of for fabric bearing pad details.

SECTION B-B

1'-0'' x 6'' Precast Prestressed Concrete Deck Beams

Notes:
- 1'' Jt. shall be filled with non-shrink grout.
- 1'' x 2'-0'' Dowel rods in 1'' x 6'' PJF beam lengths.

CROSS SECTION

- 1" x 3" = 1" sawed joint with Bridge Relief Joint Sealer (See Special Provisions) (full width)
- 1" x 6" P.J.F. beam drilled in cap (2 each rods in 1" ) holes drilled in cap (2 each beam)
- 1" = 1 1/2'' # Dowel rods in cap (2 each beam)
- 1'' x 3" = 2'' Dowel rods in 1'' x 6'' PJF beam (full width)
- 1'' x 2'' joint with Bridge Relief Joint Sealer (Special Provisions) (full width)
- 1'' x 2'' = 1'' sawed joint with Bridge Relief Joint Sealer (See Special Provisions) (full width)

References:
- See sheet of for Superstructure Details and Bill of Materials.
**INSIDE ELEVATION OF CURB**

- **Drain Tube**
  - HSS 8 x 4 x 6" bent ` for 3" # bolts.
  - E-Drain tube
  - ~ Drain tube

- **MINIMUM BAR LAP**
  - #6 over 5"
  - Gasket
  - Bend ` for 3" # bolts.

**SECTION THRU CURB**

- Curb shall be placed in the field.
- E Loop Ferrule inserts for 5" # bolts.
- Place at E of beam depth.
- Place #5 (DEJ) bars at 12" cts. in fascia beam for railing curb. Omit (DEJ) bars in curb transition. DEJ bar included in cost of beam.

- Loop Ferrule inserts for 3" # bolts.

**ANTICIPATED HMA WEARING SURFACE PROFILE**

- Top of beam (for reference only)

---

**BILL OF MATERIAL**

- **SUPERSTRUCTURE**
  - Curb transition. D(E) bar included in beam for railing curb. Omit D(E) bars in Place #5 D(E) bars at 12" cts. in fascia beam for railing curb. Omit DEJ bars in curb transition. DEJ bar included in cost of beam.

---

**SUPERSTRUCTURE DETAILS**

- Beam
- Curb
- Rail Post
- Anchor Devices

---

**STATE OF ILLINOIS**

**DEPARTMENT OF TRANSPORTATION**

---

**PDS-HMA-11-M-T1-D** 6-1-35
PLAN

CROSS SECTION
(Looking ~)

OUT to OUT deck

End to End deck

Back of Abut.

ENDS

rail post

not to scale

Slopes ~ per foot

$*$ Joint shall be filled with non-shrink grout. 1" dimension may vary to accommodate tolerance in beam length.

SECTION A-A

(Slopes are of Tri. Laid)

SECTION B-B

(See sheet of for Special Provisions) (full width)

Fabric bearing pad details.

Notes:

See sheet of for Superstructure Details and Bill of Materials.

PDS-HMA-11-M-T1-L

1'-0''

6''

out to out Deck

1'-0''

face to face curb

1'-0''

OUT to OUT deck

Slopes ~ per foot

$*$ Joint shall be filled with non-shrink grout. 1" dimension may vary to accommodate tolerance in beam length.

PDS-HMA-11-M-T1-L

1'-0''

6''

OUT to OUT deck
CROSS SECTION

1'-0" to 6'
out to out deck

PLAN

out to out deck
face to face curb

CROSS SECTION

1'-3"

face to face curb

Notes:

- Spaces at a, cts., etc., a, a.
- See sheet of for Superstructure Details and Div of Materials.
- 6" x 2" joints shall be filled with non-shrink grout. 1" dimension may vary to accommodate tolerances in beam lengths.
- Section A-A
  - Dimensions are at Rt. {E's}
  - See sheet of for Fabric bearing pad details.
- Section B-B
  - Dimensions are at Rt. {E's}
  - See sheet of for Bridge Relief Joint Sealer (See Special Provisions) (full width)
- 12" x 6" P.J.F. beam
- Drilled in cap (2 each rods in 1" space)
- 1" x 6" P.J.F. beam
- Drilled in cap (2 each rods in 1" space)
- ~1" Jt. shall be filled with non-shrink grout.
Plan:
- Out to out deck
- Face to face curb
- Slope \( \frac{1}{10} \) per foot
- Slope \( \frac{1}{20} \) per foot
- E Rib
- Total drop

Cross Section:
- 11'' x 7'' Prestressed Concrete Deck Beams
- 'E' Abut.
- 'Back of
- 'Precast Bearing Pad Details

Notes:
See sheet of for Superstructure Details and Bill of Material.

Section A-A
See sheet of for fabric bearing pad details.
No. | Size | Length | Shape
---|---|---|---
1 line of bars with lengths per line.

Bars indicated thus 1 x -#6 etc. indicates for clean out.
Leave end open 3"

Drain tube 8" M in.
1'-7"
4"
2'" c l.

** D(E)
Bent ` for } bolts.
~ Drain (Typ.)
Insert. (Typ.)

Anticipated HMA Wearing Surface Profile
(For information only)

SECTION THRU CURB
Curb shall be placed in the field.

- E Loop Ferrule inserts for 5" # bolts.
- Place at E of beam depth.
- Place #5 (DEI) bars at 12" cts. In fascia beam for railing curb. Omit (DEI) bar in curb transition. (DEI) bar included in cost of beam.

Superstructure Details

Bill of Material

Bar DEI
Bar e(E)

HMA Wearing Surface
Tons
Concrete
Cu. Yd.
Superstructure

Bars indicated thus 1 x -#6 etc. Indicates 1 line of bars with lengths per line.
PLAN

CROSS SECTION

Notes:
- See sheet of for Superstructure Details and Div of Materials.

- PDS-HMA-11-S-T1-L
- STRUCTURE NO.
- STATE OF ILLINOIS
- DEPARTMENT OF TRANSPORTATION

DEPARTMENT OF TRANSPORTATION
STATE OF ILLINOIS
SUPERSTRUCTURE STRUCTURE NO.
PLAN

MINIMUM BAR LAP

CROSS SECTION

Notes:
- See sheet of for Superstructure Details
- See sheet of for Fabric Bearing Pad Details.
PLAN

SECTION A-A
See sheet of for
Fabric bearing pad details.

SECTION B-B
"1" Jt. shall be filled with non-shrink grout. 1" dimension may vary to accommodate tolerance in beam lengths.

BILL OF MATERIAL

ANTICIPATED HMA WEARING SURFACE PROFILE

NOTES:
See sheet of for Superstructure Details and Bill of material.
 SECTION A-A
Dimensions are at R1, L1
See sheet of for fabric bearing pad details.

SECTION B-B
Dimensions are at R1, L1
'*' shall be filled with non-shrink grout. *' dimension may vary to accommodate tolerance in break lengths.

BILL OF MATERIAL

<table>
<thead>
<tr>
<th>UNIT</th>
<th>ITEM</th>
<th>QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tons</td>
<td>HMA Wearing Surface</td>
<td></td>
</tr>
</tbody>
</table>

Notes:
See sheet of for Superstructure Details and Bill of Materials.

ANTICIPATED HMA WEARING SURFACE PROFILE
(For information only)
Abut.

Back of

SECTION A-A
(Dimensions are at Rt. L's)
See sheet of for
fabric bearing pad details.

Total drop =

Precast Prestressed Concrete Deck Beams

SECTION B-B
(Dimensions are at Rt. L's)
"1" Jt. shall be filled with non-shrink grout.
"1" dimension may vary to accommodate tolerances in beam lengths.

BILL OF MATERIAL

UNIT
ITEM
QUANTITY

HMA Wearing Surface
Tons

ANTICIPATED HMA WEARING SURFACE PROFILE
(For information only)

CROSS SECTION
Looking 1

Notes:
See sheet of for Superstructure Details and Bill of Material.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STRUCTURE NO.

FILE NAME

PLOT SCALE
PLOT DATE

CHECKED
DRAWN
CHECKED
DESIGNED

REVISED
REVISED
REVISED
REVISED

DEPARTMENT OF TRANSPORTATION
STATE OF ILLINOIS
F.A. RTE.
SECTION
COUNTY
CONTRACT NO.

TOTAL SHEETS
SHEET NO.
SECTION A-A

PLAN
end to end deck

PLAN
end to end deck

SECTION A-A
end to end deck

Notes:
See sheet of for Superstructure Details
and of Memorials.
Bars indicated thus 20 x 2-#4 etc. indicates
20 lines of bars with 2 lengths per line.

MINIMUM BAR LAP

CROSS SECTION
(looking )

TOTAL DROP =" x " Precast Prestressed Concrete Deck Beams

BILL OF MATERIAL

HMA WEARING SURFACE

TOTAL SHEETS 4

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE STRUCTURE NO.

FED. AID PROJECT

COUNTY

CONTRACT NO.

DEPARTMENT OF TRANSPORTATION
STATE OF ILLINOIS

PLAN

A A

Abut.

Back of

~

Abut.

Back of

out to out deck

#4 bar = 2'-7"

MINIMUM BAR LAP

Skew

~ of structure.

Spacing of A(E) bars shall be measured along the

20 lines of bars with 2 lengths per line.

Bars indicated thus 20 x 2-#4 etc. indicates

and Bill of Material.

See sheet of for Superstructure Details

Notes:

Spacing Rail post

- Spaces at - " cts. = - "

PDS-HMA-S-R34-L

CROSS SECTION

( looking )

Total drop = - " x - "

Precast Prestressed Concrete Deck Beams

BILL OF MATERIAL

UNIT

ITEM

QUANTITY

0

HMA Wearing Surface

Tons

ANTICIPATED HMA WEARING SURFACE PROFILE

Top of beam

MINIMUM BAR LAP

#4 bar = 2'-7"

DEPARTMENT OF TRANSPORTATION

STATE OF ILLINOIS

SUPERSTRUCTURE

STRUCTURE NO.

FILE NAME

USER NAME

PLOT SCALE

PLOT DATE

CHECKED

DRAWN

CHECKED

DESIGNED

REVISED

REVISED

REVISED

- - - -

- - - -

- - - -

- - - -

- - - -"
**PLAN**

End to end deck

**SECTION A-A**

(Dimensions are in ft. L)

See sheet 7-1-10 for fabric bearing pad details.

**Notes:**

- Spaces at \( \frac{3}{8} \) cts. = \( \frac{3}{4} \) cts.

- Precast Prestressed Concrete Deck Beams

- \( \frac{3}{4} \) bar = 2'-7''

**Minimum Bar Lap**

\( \frac{3}{4} \) bar \( \times \) 2-11/2

**Bill of Material**

**Cross Section**

(Looking At)

**Total drop =**

\( \frac{3}{4} \) x \( \frac{3}{4} \) Precast Prestressed Concrete Deck Beams

**Estimated HMA Wearing Surface Profile**

Top of beam

**Unit**

**Item**

**Quantity**

HMA Wearing Surface

Tons

**Bill of Material**

**Estimated HMA Wearing Surface Profile**
**SECTION A-A**

20 lines of bars with 2 lengths per line.

Bars indicated thus 20 x 2-#4 etc. indicates and Bill of Material.

Notes:

- MINIMUM BAR LAP
  - face to face parapets
  - 1'-7''

- **Notes:**
  - See sheet of for Superstructure Details

**CROSS SECTION**

Looking:

- 3 x -#4 b(E) bars

- 2'-10'' x -#4 a(E) bars

- 3'-#5 d(E) bars

**PLAN**

- 1'-2'' x -#4 a(E) bars at 12'' cts.

**SECTION B-B**

Notes:

- See sheet of for Fabric Bearing Pad Details.

- Joints shall be filled with non-shrink grout. 1''

- dimension may vary to accommodate tolerance

- Beam lengths.
**MINIMUM BAR LAP**

- Parapet: 2'-0" bar + 5'-11"
- Back Face: 1'-#4 e (E) bar
- Front Face: 7'-#8 e (E) bar
- Drain Tube: 3" x 5" x 8"

**INSIDE ELEVATION OF PARAPET**

- Beam 1'-9" cl.
- Beam 1'-10" cl.
- Drain Tube 3"
- Beam 1'-8" cl.
- Beam 1'-9" cl.
- Beam 1'-10" cl.
- Beam 1'-8" cl.
- Beam 1'-9" cl.

**SECTION THRU PARAPET**

- Parapet Joins 2'-0" bar, Front Face: 1'-#8 e (E) bar
- Parapet Joins 1'-#4 e (E) bar, Back Face: 1'-#8 e (E) bar

**SECTION B-B**

- Beam 2'-0" bar, Front Face: 1'-#8 e (E) bar
- Beam 1'-#4 e (E) bar, Back Face: 1'-#8 e (E) bar

**SUPERSTRUCTURE DETAILS**

- Epoxy Coated Reinforcement Bars, Superstructure Concrete

**BILL OF MATERIAL**

- Item | Quantity | Description
- --- | --- | ---
- | | Epoxy Coated Reinforcement Bars
- | | Concrete Superstructure

**ANTICIPATED CONCRETE WEARING SURFACE PROFILE**

- (For information only)
- (For information only)
- (For information only)
**SECTION A-A**

(Dimensions are at R.T.'s)

Notes:
- All concrete wearing surfaces shall be placed prior to casting a backwall and/or approach slab.
- See sheet 1 for fabric bearing pad details.

**SECTION B-B**

(Dimensions are at R.T.'s)

Notes:
- j Joint shall be filled with non-shrink grout.
- Footing dimension may vary to accommodate tolerance in beam lengths.

**MINIMUM BAR LAP**

(Refer to)

Notes:
- See sheet 1 for Superstructure Details and Bill of Materials.
- Bars indicated thus 20 x #4 etc. Indications 20 bars of bars with 2 length per line.
- Spacing of #4 and #6 bars shall be measured along the E of structure.

**реб**

**STATE OF ILLINOIS**

DEPARTMENT OF TRANSPORTATION
SECTION A-A

Notes:
- All concrete wearing surfaces shall be placed prior to casting a backwall and/or approach slab.
- See sheet of for fabric bearing pad details.

SECTION B-B

Notes:
- See sheet of for Superstructure Details and fill at bottom.
- Bars indicated thus 30 x 2-#4 etc. indicates 20 lines of bars with 2 lengths per line.

MINIMUM BAR LAP

Notes:
- See sheet of for Supersstructure Details and fill at bottom.
- Bars indicated thus 30 x 2-#4 etc. indicates 20 lines of bars with 2 lengths per line.
Bar D(E)

- Place 2-#4 D(E) bars in beam at each post location as shown. D(E) bar included in cost of beam.

Notes:
- Formwork necessary for the wearing surface may be secured utilizing the button roll anchorage inserts and/or additional inserts cast into the beam.

ANTICIPATED CONCRETE WEARING SURFACE PROFILE
For reference only

BILL OF MATERIAL
SUPERSTRUCTURE

PDS-M-R34-D 1-27-12

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
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
COUNTY
CONTRACT NO.
TOTAL SHEETS
SHEET NO.
Notes:
- All concrete wearing surfaces shall be placed prior to casting a backwall and/or approach slab.
- See sheet 1 for fabric bearing pad details.

**SECTION A-A**

(Dimensions are at Rt. 's)

*1" Jt. shall be filled with non-shrink grout. 1" dimension may vary to accommodate tolerance in beam lengths.

**SECTION B-B**

(Dimensions are at Rt. 's)

- Spaces at 12" cts. = 12"''
- 4 " = 2'-2"
- Precast Prestressed Concrete Deck Beams
- Precast Concrete Wearing Surface

**MINIMUM BAR LAP**

- 4 " = 2'-2"
- Bars indicated thus 20 x 2-#4 etc. indicates 20 lines of bars with 2 lengths per line.
- Spacing of 20 bars shall be measured along the E of structure.

**CROSS SECTION**

{Looking at}

- Slope " per foot
- Stage " per foot

**PLAN**

- Out to out deck

**NOTES**

See sheet 1 of  for Superstructure Details and Bill of Materials.

All concrete wearing surfaces shall be placed prior to casting a backwall and/or approach slab.
PLAN

out to out deck

SECTION A-A
(Dimensions are at Rt. {'s)

Notes:
- All concrete wearing surfaces shall be placed prior to casting a backwall and/or approach slab.
- See sheet 3 for fabric bearing pad details.

SECTION B-B
(Dimensions are at Rt. {'s)

Notes:
- See sheet 3 for Superstructure Details and Bill of Materials.
- Bars indicated thus 20 x #4 etc. indicates 20 lines of bars with 5 lengths per line.
- Spacing of #4 bars shall be measured along the E of structure.

MINIMUM BAR LAP
#4 bar @ 2'-2"

Notes:
- Precast Prestressed Concrete Deck Beams

PDS-M-R34-R 6-8-15
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
COUNTY
CONTRACT NO.
TOTAL SHEETS
SHEET NO.

end to end deck

Spans of " " dia. = " "
skew ° per foot
Total drop = ""

Concrete Wearing
Surface

Subgrade

Pier

end to end deck

" " x " Precast Prestressed Concrete Deck Beams

Notes:
- See sheet 3 for Superstructure Details and Bill of Materials.
- Bars indicated thus 20 x #4 etc. indicates 20 lines of bars with 5 lengths per line.
- Spacing of #4 bars shall be measured along the E of structure.
Minimum Bar Lap

Maps: G 6-8-15

Superstructure

State of Illinois
Department of Transportation

Notes:
- All concrete wearing surfaces shall be placed prior to casting a backwall.
- See sheet of for fabric bearing pad details.
**PLAN**

- #4 bars at 12'' cts.
- 20 lines of bars with 2 lengths per line.
- Minimum bar lap = 6'' x 2-#4 etc. indicates and Bill of Material.
- Spacing of #4 and #5 bars shall be measured along the E of structure.

**CROSS SECTION** (Looking )

Notes:
- See sheet of for Superstructure Details and Bill of Material.
- Bars indicated thus P0 x 2-#4 etc. indicates 20 lines of bars with 2 lengths per line.
- Spacing of #4 and #5 bars shall be measured along the E of structure.

**MINIMUM BAR LAP**

#4 bar = 2'-2''

**Notes:**
- All concrete wearing surfaces shall be placed prior to casting a backwall and/or approach slab.
- See sheet of for fabric bearing pad details.
PLAN

out to out deck

to face parapets

net to end deck

CROSS SECTION

Notes:
- See sheet  for Superstructure Details
- Notes:
- All concrete wearing surfaces shall be placed prior to casting a backwall
- 6-8-15
- Structure NO.

MINIMUM BAR LAP

#4 bar = 2'-2"

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE STRUCTURE NO.

DEPARTMENT OF TRANSPORTATION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
SECTION A-A

Notes:

- All concrete wearing surfaces shall be placed prior to casting a backwall and/or approach slab.
- See sheet of for fabric bearing pad details.
- See sheet of for Superstructure Details

PLAN

out to out deck

end to end deck

CROSS SECTION

Looking

Concrete Wearing Surface

Total Drop

Stope "" per foot

Stope "" per foot

MINIMUM BAR LAP

2-#4 bars at 12"" cts.

x 2-#4 6"" bars at 12"" cts.

x 2-#4 6"" bars equally spaced at 12"" cts.

x 2-#4 6"" bars equally spaced at 12"" cts.

Precast Prestressed Concrete Deck Beams

20 lines of bars with 2 lengths per line.

Bars indicated thus 20 x 2-#4 etc. indicates
and Bill of Material.

See sheet of for Superstructure Details
Notes:
Formwork necessary for the wearing surface may be secured utilizing the bottom rail anchorages. Inserts and/or additional inserts cast into the beam.

**Plan**

1. Bar a(E) 6" 4" into the beam.
2. anchorage inserts and/or additional inserts cast may be secured utilizing the bottom rail Formwork necessary for the wearing surface

**Notes:**
Concrete Deck Beam Pre cast prestressed Concrete wearing CIP Reinforced

**SECTION A-A**

Bar (D(E))

- Place 2-#4 D(E) bars in beam at each post location as shown. D(E) bar included in cost of beam.

**BILL OF MATERIAL**

<table>
<thead>
<tr>
<th>BAR</th>
<th>NO.</th>
<th>SIZE</th>
<th>LENGTH</th>
<th>SHAPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>#4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SUPERSTRUCTURE DETAILS**

- Bar indicated thus 1 x  -#4 indicates 1 line of bars with lengths per line.
PLAN

out to out deck

CROSS SECTION

Looking

MINIMUM BAR LAP

Notes:
1. All concrete wearing surfaces shall be placed prior to casting a backwall and/or approach slab.

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
COUNTY
CONTRACT NO.
TOTAL SHEETS
SHEET NO.
No detail at 2'-2'' spacing

PLAN

out to out deck

CROSS SECTION

(out to out deck)

NOTES:

1. All concrete wearing surfaces shall be placed prior to casting a backwall and/or approach area.
3. See sheet  of  for Superstructure Details

Roof post spacing

Sparks of 1/8" cts.

Back of Abut.

Back of Abut.

MINIMUM BAR LAP

Bars indicated thus 20 x 2-#4 etc. indicates 20 lines of bars with 2 lengths per line. Spacing of all bars shall be measured along the edge of structure.

Surface Concrete Wearing

Concrete Wearing Surface

MINIMUM BAR LAP

PDS-S-R34-R 6-8-15

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE STRUCTURE NO.