### UTILITIES

<table>
<thead>
<tr>
<th><strong>POWER</strong></th>
<th><strong>WATER</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>- Washington Power &amp; Light</td>
<td>- Daviess County Rural Water</td>
</tr>
<tr>
<td>- 101 North 5th St</td>
<td>- PO Box 108</td>
</tr>
<tr>
<td>- Washington, IN 47501</td>
<td>- Washington, IN 47501</td>
</tr>
<tr>
<td>- (812) 254-2730</td>
<td>- (812) 254-8626</td>
</tr>
<tr>
<td>- PO Box 108</td>
<td>-</td>
</tr>
<tr>
<td>- Washington, IN 47501</td>
<td>-</td>
</tr>
<tr>
<td>- (812) 254-2730</td>
<td>-</td>
</tr>
</tbody>
</table>

### SHEET INDEX

**PURPOSE**

This purpose of this Index sheet is to provide a listing of all sheets in the plan, utilities contact information, and a record of revisions to the plan.

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<th>DRAWING NO.</th>
<th>SUBJECT</th>
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</thead>
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<tr>
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<td>C1</td>
<td>TITLE</td>
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<td>2</td>
<td>C2</td>
<td>INDEX</td>
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<td>3</td>
<td>C3</td>
<td>TYPICAL CROSS SECTIONS</td>
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<td>年輕 DETAIL</td>
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<td>ROAD SUMMARY</td>
</tr>
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<td>18</td>
<td>C18</td>
<td>CROSS SECTIONS</td>
</tr>
</tbody>
</table>

### REVISIONS

<table>
<thead>
<tr>
<th>SHEET NO.</th>
<th>DATE</th>
<th>REVISED</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### REQUIRED ELEMENTS:

1. Sheet Index
2. Utility Information
   - Name
   - Address
   - Contact Person
   - Contact Phone No.
3. Revisions Block
4. Signature Block and PE Seal

Note: Only two sheets of cross sections have been included in this sample plan set to illustrate format.

See IDP 14.1.07021 for information regarding sequence of sheets when additional sheets are required for a project.

This sheet containing the structural details of the bridge are considered a drawing subset of the entire plan set and are assigned drawing numbers beginning with C (Concrete) or T (Timber) according to the bridge construction type. This format is optional, but recommended to reduce revisions associated with rendering sheets.
NEVER CLEAR ZONE NOR OBSTRUCTION-FREE ZONE SHOULD BE SHOWN WHEN A BARRIER IS PRESENT.

NOTE: Neither clear zone nor obstruction-free zone should be shown when a barrier is present.

The purpose of this drawing is to show materials, details, and provisions for roadway sections which vary from those included in the Standard Drawings.

The purpose of this drawing is to show materials, details, and provisions for roadway sections which vary from those included in the Standard Drawings.

NOTE: Neither clear zone nor obstruction-free zone should be shown when a barrier is present.

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The purpose of this drawing is to show materials, details, and provisions for roadway sections which vary from those included in the Standard Drawings.
### Purposes:
The purposes of this drawing are to show permanent signing and pavement markings required.

### Details:
- **Permanent Signing and Pavement Markings:**
- **Location:** Sta. 1448+80
- **Marking:** Bridge Ref. Marker
- **Color:** BRM (46) (12" x 6"
- **Description:** Bridge Ref. Marker
- **Location:** Sta. 1448+80
- **Marking:** Bridge Ref. Marker
- **Color:** BRM (46) (12" x 6"
- **Description:** Bridge Ref. Marker
- **Location:** Sta. 1445+41
- **Marking:** BRM (+94) (12" x 4"
- **Description:** Bridge Ref. Marker
- **Location:** Sta. 1447+59
- **Marking:** BRM (+94) (12" x 4"
- **Description:** Bridge Ref. Marker

### Required Elements:
- **Horizontal Alignment:**
- **Begin/End of Project:**
- **North Arrow:**
- **Sheet Scale:**
- **Title Block:**
- **Labels:**
- **Orthographic Projections:**

### Additional Information:
- **Pavement Markings Summary Table:**
- **Legend:**
- **Signature Block and PE Seal:**
The purpose of this Soil Borings sheet is to show the test borings performed in the structure area. This showing is used to determine the type of foundation and the allowable loads.

The Soil Borings sheet is to show the test borings:

1. REQUIRED ELEMENTS:
   - Boring Log (Single Borings Only)
   - Boring Plan and North Arrow
   - Soil and Foundation Design Data, Table of this loading for Geotechnical Testing
   - Notes
   - Signature Block and PE Seal

### SOIL/BORING DESCRIPTION

**SOIL/MATERIAL DESCRIPTION**

- **Core Size:** RIG TYPE
- **Boring Method:** Rock Coring
- **Weather:** Penetration Test
- **Temperature:** Standard

**SAMPLING METHOD**

- Bag Sample
- Rock Core Sample
- Shelby Tube Sample
- Split Spoon Sample

**PI**

- Plasticity Index
- Plastic Limit
- Liquid Limit
- Hand Penetrometer

**PL**

- Moisture
- PI
- PL

**HSA**

- Hand Penetrometer
- Plastic Limit
- Moisture

**WD**

- Wash Drilling
- Solid Flight Auger
- Hollow Stem Auger

**MD**

- Mud Drilling
- Wash Drilling
- Solid Flight Auger

**RC**

- Rock Coring

**SFA**

- Soil and Foundation Design Data
- Table of this loading for Geotechnical Testing

**NOTE**

1. Indicates the number of borings required to drive a ULT, U.D. O.D. Soil Sample (N) by means of a 60 lb weight boring bit.
The purpose of this End Bent Details sheet is to show physical dimensions, reinforcement and pertinent information necessary for construction of end bent(s).

**PURPOSE:**

**P lo t:** 4/2013

**DATE:**

**REMARKS:**

1. For Section A, Section B, and Section C, see drawing C-1.
2. For Reinforcing Bar Notes, see Standard Drawing E-703-BRST-01.
3. All reinforcing bars in end bents shall be epoxy-coated.
4. All reinforcement warning below power and grade line in the wing is billed with the end bent.
5. Geometric data is listed with the superstructure.

**NOTES:**

**RECOMMENDED:**

**END BENT NO. 1 AND NO. 4 DETAILS**

**SCALE:**

**PRESENTED:**

**CHECKED:**

**DESIGNED:**

**FOR APPROVAL:**

**ENGINEER OF RECORD:**

**DRAWN:**

**CHECKED:**

**SIGNATURE:**

**PE SEAL:**

---

**REQUIRED ELEMENTS:**

1. Plan - End Bent Pan, Pile, Footing Plan
2. North Arrow
3. Elevation Showing Reinforcing
4. Sections as Necessary
5. Table of Top of Pile Elevations (Method A Attachment) or Table of Beam Seat Elevations (Method B Attachment)
6. Notes
7. Signature Block and PE Seal

---

**TOP OF PILE ELEVATIONS**

<table>
<thead>
<tr>
<th>Beam No. 1</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
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</thead>
<tbody>
<tr>
<td>Beam No. 1</td>
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<td>461.76</td>
<td>461.30</td>
<td>461.25</td>
<td>461.30</td>
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<tr>
<td>Beam No. 4</td>
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<td>461.74</td>
<td>461.22</td>
<td>461.76</td>
<td>461.30</td>
</tr>
</tbody>
</table>

**FRONT FACE REINFORCING**

**ELEVATION**

Scale: N" = 1'-0"

**REAR FACE REINFORCING**

**PLAN**

Scale: N" = 1'-0"
The purpose of this End Bent Details sheet is to show additional details necessary for construction and Bill of Materials for end bents.

**PURPOSE:**

- **Typ. All Views and Sections:** Dimensions and Text Callouts: 12 Pt Text
- **Section Sub-Title:** 14 Pt Text
- **Section Title:** 18 Pt Text

**WING A EL. 465.12**

- **Wing A & Wing C Elevation:** Scale: 5/" = 1'-0"
- **Wing B & Wing D Elevation:** Scale: 5/" = 1'-0"

**SECTION A-A**

- **Type A Joint:**

**SECTION B-B**

- **Type A Joint:**

**SECTION C-C**

- **Type A Joint:**

**RECOMMENDED:**

1. End Bent Section Between Beams
2. End Bent Section Through Beam
3. Wing Section
4. Reinforcing Bar Bending Diagrams
5. Bill of Materials
6. Anchor Plate Detail When Required
7. Notes
8. Signature Block and PE Seal

**NOTES:**

1. For End Bent Plan and Section, locations of Section A-A, Section B-B, and Section C-C, see Covering C3.
2. For reinforcing bar notes, see Covering C4.
3. Concrete cover is 6" minimum for Reinforcing Bar Notes. See Standard Drawings C5 and C8.
4. All reinforcing bars in end bents shall be epoxy-coated.
5. All reinforcement containing shear wall and edge bar in the wing is included with the end bars.
6. Concrete cage is bonded with the superstructure.
7. For spiral reinforcement, see Standard Drawings C3-2/1.

**BIL 99999**

**END BENT NO. 1 AND NO. 4 DETAILS**

**REMARKS:**

- **Recommended:** Labeled: 10 Pt Text, Signature: 12 Pt Text

**INDEX:**

- **INDIANA DEPARTMENT OF TRANSPORTATION**

**RECOMMENDED:**

- **PLAN SCALE:**
  - **7218:** 1" = 20'-0"
  - **7592:** 1" = 20'-0"
  - **7591:** 1" = 20'-0"

**END BENT NO. 1 AND NO. 4 DETAILS**

**BILL OF MATERIALS FOR END BENT NO. 1 (END BENT NO. 4 SAME UNLESS NOTED)**

**WING A & Wing C ELEVATION**

- **Scale:** 5/" = 1'-0"

**SECTION A-A**

- **Type A Joint:**

**SECTION B-B**

- **Type A Joint:**

**SECTION C-C**

- **Type A Joint:**

**RECOMMENDED:**

1. End Bent Section Between Beams
2. End Bent Section Through Beam
3. Wing Section
4. Reinforcing Bar Bending Diagrams
5. Bill of Materials
6. Anchor Plate Detail When Required
7. Notes
8. Signature Block and PE Seal

**NOTES:**

1. For End Bent Plan and Section, locations of Section A-A, Section B-B, and Section C-C, see Covering C3.
2. For reinforcing bar notes, see Covering C4.
3. Concrete cover is 6" minimum for Reinforcing Bar Notes. See Standard Drawings C5 and C8.
4. All reinforcing bars in end bents shall be epoxy-coated.
5. All reinforcement containing shear wall and edge bar in the wing is included with the end bars.
6. Concrete cage is bonded with the superstructure.
7. Concrete cage is bonded with the superstructure.
8. For spiral reinforcement, see Standard Drawings C3-2/1.

**REMARKS:**

- **Recommended:** Labeled: 10 Pt Text, Signature: 12 Pt Text

**INDEX:**

- **INDIANA DEPARTMENT OF TRANSPORTATION**

**RECOMMENDED:**

- **PLAN SCALE:**
  - **7218:** 1" = 20'-0"
  - **7592:** 1" = 20'-0"
  - **7591:** 1" = 20'-0"

**END BENT NO. 1 AND NO. 4 DETAILS**

**BILL OF MATERIALS FOR END BENT NO. 1 (END BENT NO. 4 SAME UNLESS NOTED)**

**WING A & Wing C ELEVATION**

- **Scale:** 5/" = 1'-0"

**SECTION A-A**

- **Type A Joint:**

**SECTION B-B**

- **Type A Joint:**

**SECTION C-C**

- **Type A Joint:**

**RECOMMENDED:**

1. End Bent Section Between Beams
2. End Bent Section Through Beam
3. Wing Section
4. Reinforcing Bar Bending Diagrams
5. Bill of Materials
6. Anchor Plate Detail When Required
7. Notes
8. Signature Block and PE Seal

**NOTES:**

1. For End Bent Plan and Section, locations of Section A-A, Section B-B, and Section C-C, see Covering C3.
2. For reinforcing bar notes, see Covering C4.
3. Concrete cover is 6" minimum for Reinforcing Bar Notes. See Standard Drawings C5 and C8.
4. All reinforcing bars in end bents shall be epoxy-coated.
5. All reinforcement containing shear wall and edge bar in the wing is included with the end bars.
6. Concrete cage is bonded with the superstructure.
7. Concrete cage is bonded with the superstructure.
8. For spiral reinforcement, see Standard Drawings C3-2/1.

**REMARKS:**

- **Recommended:** Labeled: 10 Pt Text, Signature: 12 Pt Text

**INDEX:**

- **INDIANA DEPARTMENT OF TRANSPORTATION**

**RECOMMENDED:**

- **PLAN SCALE:**
  - **7218:** 1" = 20'-0"
  - **7592:** 1" = 20'-0"
  - **7591:** 1" = 20'-0"
The purpose of this Pier Details sheet is to show the pier dimensions, reinforcement, and pertinent information necessary for construction.

**PURPOSE**

**PLOT:**

**DOTWise\Documents\Standards\Working Drawings\Structural\WChiles\Sample Plan Sheets\Bridge Project\0001250\Design\MS\Sht Pier No 2 and 3_01 wc.dgn

**SCALE:**

**ELEVATION**

**SECTION A-A**

**REINFORCING STEEL**

**CONCRETE DIMENSIONS**

**PLAN**

**NOTES**

REQUIRED ELEMENTS:

1. North Arrow
2. Cap Pan
3. Elevation showing Dimensions and Reinforcing Steel
4. Vertical Sections as Needed
5. Cap Section
6. Notes
7. Signature Block and PE Seal

For Reinforcing Bar Notes, see Standard Drawing E 703-BRST-01.

For Bill of Materials, see Drawing C6.

For General Notes, see Drawing C2.

1. Pier General Notes, see Drawing C2
2. Pier Reinforcing Bar Notes, see Standard Drawing E 703-BRST-01
3. Pier Bill of Materials, see Drawing C6
4. The construction drawings are not shown to scale. However, they should be shown to approximate proportions.

4.1 Required Elements:

1. North Arrow
2. Footing Plan
3. Pier Plan
4. Pier Connection Detail
5. Reinforcing Bar Bending Diagrams
6. Bill of Materials
7. Notes
8. Signature Block and PE Seal

5. All Elevations and Sections:

- Soils: Typ. 18 F.C.
- Foundations: Typ. 18 F.C.
- Dimensions and Pier Callouts: 1/8" = 1'-0"

6. Dimensions and Text Callouts:

- Bar Mark Title: 14 Pt Text
- Title: 18 Pt Text
- Dimensions: 12 Pt Text
- Typ. All Views and Sections:
- Typ. All Bar Bending Diagrams:
  - 18 F.C. for Concrete
  - 18 F.C. for Steel
  - 18 F.C. for Pile

7. Typical All Bar Bending Diagrams:

- Steel H-Pile HP 12 x 74
- 300 Spa. @ 2'-0" Max.
- Concrete:
  - C6 14
  - C14 13

8. Bill of Materials for Piers:

- Concrete:
  - C6 14
  - C14 13
- Reinforcing Steel:
  - #8 x 20'-4" (Typ.)
  - #5 430 Spa. @ 2'-0" Max.
  - #4 531 x 8'-6" Max.
  - #3 631 x 2'-8" Max.


The purpose of this Framing Plan sheet is to provide all necessary tie-in dimensions and beam end details as required.

**NOTES**
1. For General Notes, see Drawing C2.
2. For Beam Details, see Drawings C8 and C9.
3. For Bearing Assembly Details, see Drawing C9.

**REQUIRED ELEMENTS:**
1. North Arrow
2. Framing Plan
3. Beam Bearing Seat Detail at End Bent
4. Beam Bearing Seat Detail at Pier
5. Notes
6. Signature Block and PE Seal

**SCALE**
- Framing Plan: 3/8" = 1'-0"
- Beam Bearing Seat Detail at Pier: 1/8" = 1'-0"
- Beam Bearing Seat Detail at End Bent: 1/8" = 1'-0"

**DIMENSIONS AND TEXT CALLOUTS:**
- 12 Pt Text
- 10 Pt Text
- 18 Pt Text
- Labels: 10 Pt Text
- Signature: 12 Pt Text

**SECTION TITLE:**
- 18 Pt Text

**SECTION SUB-TITLE:**
- 14 Pt Text

**SECTION CODE:**
- 614

**DIMENSIONS:**
- Span A: 38'-0" Bent to Pier
- Span B: 46'-0" Pier to Pier
- Span C: 38'-0" Pier to Bent

**CONSTRUCTION DETAILS:**
- Concrete Beam AASHTO Type II
- Elastomeric Bearing
- Pad Type 2 (Typ.)
- HP 12 x 53

**LAYOUT:**
- North Arrow
- North View
- Tie-in Dimensions
- Beam End Details

**SIGNATURE BLOCK:**
- 12 Pt Text
- Signature Block
- PE Seal
The purpose of this Beam Details sheet is to show the longitudinal beam information necessary for fabrication of the beams and related design data.

**Beam Dimensions**
- Beam Dimensions: [Provide dimensions here]

**Reinforcing Bars**
- Reinforcing Bars: [Provide reinforcing bar details here]

**Prestressing Strands**
- Prestressing Strands: [Provide prestressing strand details here]

**General Notes - Beams**
1. Beams shall be cast a minimum 90 days prior to pouring.
2. Reinforcing bars shall be Grade 60 ksi minimum yield strength. Concrete strength at release, f′ = 5,000 psi.
3. Estimated elastic shortening is 0.104 in.
4. Beams shall be cast to AASHTO LRFD.
5. Anchorages are to be used at the bearings and supports. Allowance in the beam length should be made during handling, storage, and transportation.
6. Beams shall be lifted and supported at the bearing points during handling, storage, and transportation. Beams shall be cast a minimum of 90 days prior to pouring.
7. Prestressing steel shall be 0.5" uncoated, low relaxation, seven-wire strand, 270 ksi (ASTM A416).
8. Prestressing steel shall be 0.5" uncoated, low relaxation, seven-wire strand, 270 ksi (ASTM A416).
9. Prestressing steel shall be 0.5" uncoated, low relaxation, seven-wire strand, 270 ksi (ASTM A416).
10. Prestressing steel shall be 0.5" uncoated, low relaxation, seven-wire strand, 270 ksi (ASTM A416).

**Design Data**
- Design Data: [Provide design data here]

**Required Elements**
- Beam Dimensions
- Reinforcing Bars
- Prestressing Strands
- Design Data (Example only. Project specific information required)
- General Notes for Beams. Example only. Project specific information required.
The purpose of this Beam Details sheet is to show the additional details information necessary for installation of the beams. This sheet is intended to be used in conjunction with the appropriate Standard Beam Details Sheet.

**PURPOSE:**

1. Beam Bearing Assembly Details at End Bents
2. Beam Bearing Assembly Details at Piers
3. Taper Plate Detail (When Needed)
4. Elastomeric Bearing Pad Detail
5. Fillet Detail Including Section and Orientation
6. Camber Table
7. Notes

**REQUIRED ELEMENTS:**

1. Beam Bearing Assembly Details at End Bents
2. Beam Bearing Assembly Details at Piers
3. Taper Plate Detail (When Needed)
4. Elastomeric Bearing Pad Detail
5. Fillet Detail Including Section and Orientation
6. Camber Table
7. Notes

**NOTES:**

1. For general beam notes and design data, see Drawing No.
2. Bearing assemblies shall be included in the cost of structural members.

**TABLE OF CAMBERS (in.)**

<table>
<thead>
<tr>
<th>SPAN</th>
<th>0.125</th>
<th>0.250</th>
<th>0.500</th>
<th>0.750</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN A</td>
<td>2.000</td>
<td>4.000</td>
<td>8.000</td>
<td></td>
</tr>
<tr>
<td>SPAN B</td>
<td>2.000</td>
<td>4.000</td>
<td>8.000</td>
<td></td>
</tr>
</tbody>
</table>

**CAPABILITIES:**

- Prestressed Concrete
- Steel Studs
- I-Beam
- Cast with beam.

**Scale:** 1" = 1'-0"
RAILING DETAILS

Purpose:
The purpose of this Railing Details sheet is to show physical dimensions, reinforcing, and pertinent information necessary for the contractor to construct the bridge railing and bridge railing transitions.

Notes:
- All views are drawn to approximate proportions. However, they should be drawn to appropriate scale. Bar bending diagrams are not shown to scale. Values shown should be drawn to approximate proportions.
- For bar bending diagrams, see IDM 405-2.0 for guidance regarding detailing, strengthening, and slab continuity.
- All reinforcing bars shall be epoxy-coated.
- For additional details of Concrete Bridge Railing, see Standard Drawings E 706-BRSF-01 through E 706-BRSF-03.
- For additional details of Concrete Bridge Railing Transition, see Standard Drawings E 703-BRST-01.
- For Reinforcing Bar Notes, see Standard Drawing E 701-3.
- Transition details of bar bending should be separated by phase. However, they should be shown to approximate proportions.

Bill of Materials:

<table>
<thead>
<tr>
<th>SIZE &amp; PHASE</th>
<th>LENGTH</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Concrete:
- Railing Type FC: 13.2 Cu.
- Railing Transition Type TFC: 4.8 Cu.
- Total Concrete, Class C: 18.5 Cu.

Miscellaneous:
- Concrete Bridge Railing Transition Type TFC: 4.8 Cu.

Required Elements:
1. Railing Plan
2. North Arrow
3. Section(s) showing Dimensions and Reinforcing for Bridge Railing and Bridge Railing Transitions
4. Section(s) showing Dimensions and Reinforcing
5. Reinforcing Bar Bending Details
6. Bill of Materials
7. Notes
8. Signature Block and PE Seal

Notes:
1. All reinforcing bars shall be separated by phase. However, they should be shown to approximate proportions.
2. For Nominal Bar Notes, see Standard Drawing E 701-3.
3. For Epoxy Coated Reinforcing Bars, see Standard Drawings E 706-TBCF-01 through E 706-TBCF-03.
4. For additional details of Concrete Bridge Railing Type FC, see Standard Drawings E 706-BRSF-01 through E 706-BRSF-03.
**PLAN OF SCREEDS**

Scale: $\frac{1}{8''} = 1'-0''$

**TABLE OF SCREED ELEVATIONS**

<table>
<thead>
<tr>
<th>POINT</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>13</th>
<th>14</th>
<th>15</th>
<th>16</th>
<th>17</th>
</tr>
</thead>
</table>

**CONCRETE DEAD LOAD DEFLECTION DIAGRAM**

Scale: Not to Scale

**PROCEDURE AND NOTES**

1. After beams are set, take elevations at all screed points while operations are completed. Subtract these elevations from the tabulated elevations to determine the elevation of the slab on top of beams. Enter these elevations in the table.

2. After beams are set, take elevations at all screed points while operations are completed. Subtract these elevations from the tabulated elevations to determine the elevation of the slab on top of beams. Enter these elevations in the table.

3. Do not set forms by leveling.

4. Screed slabs shall be poured in what order the concrete is poured.

5. Screed elevations as shown in the table include an allowance for concrete dead load deflections.

6. Screed elevations as shown in the table include an allowance for concrete dead load deflections.

7. For General Notes, see Drawing C1.
**PURPOSE:**

The purpose of this Approach Slab Details sheet is to provide all necessary dimensional and reinforcing details needed to construct the bridge approach slab.

**REQUIRED ELEMENTS:**

1. North Arrow
2. Approach Slab Plan
3. Section
4. Reinforcing Bar Bending Details and Cutting Diagrams
5. Bill of Materials
6. Notes
7. Signature Block and PE Seal

**BILL OF MATERIALS**

R.C. Bridge Approach (End Bents No. 1 and No. 4 Same)

<table>
<thead>
<tr>
<th>Size &amp; Length</th>
<th>No of Bars</th>
<th>Total Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>#5 @ 6&quot;</td>
<td>1</td>
<td>1.5 lbs</td>
</tr>
<tr>
<td>#5 @ 8&quot;</td>
<td>2</td>
<td>3 lbs</td>
</tr>
<tr>
<td>#5 @ 10&quot;</td>
<td>3</td>
<td>4.5 lbs</td>
</tr>
<tr>
<td>#5 @ 12&quot;</td>
<td>4</td>
<td>6 lbs</td>
</tr>
</tbody>
</table>

**CONCRETE**

- C26, 12" 20.0 lbs
- C30 Extension (2.75" x 2) 8.4 lbs
- Total C26 28.4 lbs

**MISCELLANEOUS**

- Concrete Expansion Joint: 0.5 in
- Terminal Joint: 0.35 in
- Surface Seal: 0.010 in

**NOTES:**

1. For more details, refer to Imperial Drafting C2
2. For details of Reinforcement for R.C. see Standard Drawing E 609-TBAE-01. Thickness shall match approach slab thickness of 12".
3. For Reinforcing Bar Notes, see Standard Drawing E 703-BRST-01.
4. All reinforcing bars in approach slab shall be epoxy-coated.
5. R.C. shall be surface sealed.

**SECTION THROUGH APPROACH SLAB AT END BENT NO. 4**

- Approach Slab Plan
- Plan Showing Top Reinforcement
- Plan Showing Bottom Reinforcement
- Section Sub-Title: 14 Pt Text
- Section Title: 18 Pt Text
- Scale: 1" = 1'-0"
- Dimensions and Text Callouts: 12 Pt Text
- Bar Mark Title: 14 Pt Text
- Not to Scale

**BAR BENDING DETAILS**

- #5 @ 6" (1 Bar Cuts 2)
- #5 @ 8" (1 Bar Cuts 2)
- #5 @ 10" (1 Bar Cuts 2)
- #5 @ 12" (1 Bar Cuts 2)

**RECOMMENDED:**

- E 703-BRST-01
- E 609-TBAE-01

**ENGINEER OF RECORD:**

- Designer: MM/DD/YY
- Check: MM/DD/YY
- Drawn: MM/DD/YY
The purpose of this Bridge Summary sheet is to summarize quantities by superstructure, substructure elements, and approach structure for the bridge.

### REQUIRED ELEMENTS:
1. Summary of Bridge Quantities Table
2. Signature Block and PE Seal

### SUMMARY OF BRIDGE QUANTITIES

<table>
<thead>
<tr>
<th>ITEM</th>
<th>CONCRETE</th>
<th>CONCRETE</th>
<th>REINL. BASES</th>
<th>MASONRY</th>
<th>IRON &amp; STEEL</th>
<th>PLUMBING &amp; ELECTRICAL</th>
<th>TEL-RAM ASS. CONCRETE</th>
<th>CONTRACTOR</th>
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<tbody>
<tr>
<td></td>
<td>C Type A</td>
<td>C Type B</td>
<td>C Type C</td>
<td>Class C</td>
<td>Class D</td>
<td>Class E</td>
<td>Class F</td>
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</tbody>
</table>

#### PURPOSE

- **N/A**

#### SHEET

- **1**: 1:26 430 ft

#### PLOT

- **3/7/2014**

#### SIGNATURE BLOCK AND PE SEAL

- **Plot Block Text**: Label: 12 Pt Bold; Signature: 12 Pt Bold
The purpose of the Road Summary sheet is to summarize quantities for the project in addition to the bridge structure itself.

### PAVEMENT QUANTITIES AND APPROACH TABLE

<table>
<thead>
<tr>
<th>LOCATION</th>
<th>DESCRIPTION</th>
<th>APPROXIMATE LENGTH (FT)</th>
<th>APPROXIMATE WIDTH (FT)</th>
<th>ROAD</th>
<th>EXCAVATION</th>
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### STRUCTURE DATA TABLE

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<tr>
<th>BRIDGE</th>
<th>LOCATION</th>
<th>TYPE</th>
<th>SPANS</th>
<th>TOTAL LENGTH</th>
<th>FLOOR</th>
<th>DECK</th>
<th>SUPPORTS</th>
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<tbody>
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### UNDERDRAIN TABLE

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<tr>
<th>STATION</th>
<th>LOCATION</th>
<th>CONSTRUCTION DRAIN</th>
<th>PERMIT DRAIN</th>
<th>CYLS</th>
<th>EACH</th>
<th>EXCH</th>
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### PERMANENT EROSION CONTROL SUMMARY TABLE

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<thead>
<tr>
<th>FROM STATION</th>
<th>TO STATION</th>
<th>PAYMENT</th>
<th>DITCH</th>
<th>TOTAL LENGTH</th>
<th>DRAIN</th>
<th>CLOSURE</th>
<th>TERMINAL</th>
<th>CONVEYOR</th>
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### GUARDRAIL SUMMARY TABLE

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### R/W MARKER TABLE

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### MONUMENT TABLE

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</table>

### MAILBOX APPROACHES

<table>
<thead>
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<th>STATION</th>
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<th>DESCRIPTION</th>
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<th>DESCRIPTION</th>
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**Note:** All road summary tables have been shown on this sample for format and typical location only. Tables may not be shown on plans for which there are no related quantities.