<table>
<thead>
<tr>
<th>CELL / MODEL NAME</th>
<th>DESCRIPTION</th>
<th>DATE</th>
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<tbody>
<tr>
<td>AV-I-0</td>
<td>Vaulted abutment no skew with PPC I beams</td>
<td>2/17/2017</td>
</tr>
<tr>
<td>AV-I-L</td>
<td>Vaulted abutment ahead left with PPC I beams</td>
<td>2/17/2017</td>
</tr>
<tr>
<td>AV-I-R</td>
<td>Vaulted abutment ahead right with PPC I beams</td>
<td>2/17/2017</td>
</tr>
<tr>
<td>AV-IW-0</td>
<td>Vaulted abutment no skew with PPC I beams</td>
<td>2/17/2017</td>
</tr>
<tr>
<td>AV-IW-LR</td>
<td>Vaulted abutment skewed with PPC I beams</td>
<td>2/17/2017</td>
</tr>
<tr>
<td>AV-S-0 (1 of 2)</td>
<td>Vaulted abutment no skew sand filled</td>
<td>2/17/2017</td>
</tr>
<tr>
<td>AV-S-0 (2 of 2)</td>
<td>Vaulted abutment no skew sand filled</td>
<td>2/17/2017</td>
</tr>
<tr>
<td>AV-S-L (1 of 2)</td>
<td>Vaulted abutment ahead left sand filled</td>
<td>2/17/2017</td>
</tr>
<tr>
<td>AV-S-L (2 of 2)</td>
<td>Vaulted abutment ahead left sand filled</td>
<td>2/17/2017</td>
</tr>
<tr>
<td>AV-S-R (1 of 2)</td>
<td>Vaulted abutment ahead right sand filled</td>
<td>2/17/2017</td>
</tr>
<tr>
<td>AV-S-R (2 of 2)</td>
<td>Vaulted abutment ahead right sand filled</td>
<td>2/17/2017</td>
</tr>
</tbody>
</table>
Notes:
Space reinforcement in cap to miss anchor bolts. Pour steps monolithically with cap. For details of piles, see sheet - of - For details of reinforcement and Bill of Material, see sheet - of -

**APPROACH BENT-PILE DATA**

**Type:**
- Nominal Required Bearing:
- Factored Resistance Available:
- Est. Length:
- No. Production Piles:
- No. Test Piles:

**ABUTMENT- PILE DATA**

**Type:**
- Nominal Required Bearing:
- Factored Resistance Available:
- Est. Length:
- No. Production Piles:
- No. Test Piles:

For details of piles, see sheet - of -
Pour steps monolithically with cap.
Space reinforcement in cap to miss anchor bolts.

**Notes:**
- See Sec. B-B
- See Sec. E-E
- See Sec. F-F
- See sheet - of -

**VIEW C-C**

**PLAN**

**SECTION A-A**

**SECTION B-B**

**SECTION C-C**

**SECTION D-D**

**SECTION E-E**

**SECTION F-F**

**STATE OF ILLINOIS**

**DEPARTMENT OF TRANSPORTATION**

**STRUCTURE NO.**

**FILE NAME**

**USER NAME**

**PLOT SCALE**

**PLOT DATE**

**CHECKED**

**DRAWN**

**REVISED**

**REVISED**

**REVISED**

**REVISED**

**DEPARTMENT OF TRANSPORTATION**

**FED. AID PROJECT**

**COUNTY**

**CONTRACT NO.**

**TOTAL SHEETS**

**SHEET NO.**

**ILLINOIS**

**F.A. RTE.**

**SECTION**

**NO. Test Piles:**

**No. Production Piles:**

**Est. Length:**

**Factored Resistance Available:**

**Nominal Required Bearing:**

**Type:**

**No. Test Piles:**

**No. Production Piles:**

**Est. Length:**

**Factored Resistance Available:**

**Nominal Required Bearing:**

**Type:**

**No. Test Piles:**

**No. Production Piles:**

**Est. Length:**

**Factored Resistance Available:**

**Nominal Required Bearing:**

**Type:**

**No. Test Piles:**

**No. Production Piles:**

**Est. Length:**

**Factored Resistance Available:**

**Nominal Required Bearing:**

**Type:**

**No. Test Piles:**

**No. Production Piles:**

**Est. Length:**

**Factored Resistance Available:**

**Nominal Required Bearing:**

**Type:**

**No. Test Piles:**

**No. Production Piles:**

**Est. Length:**

**Factored Resistance Available:**

**Nominal Required Bearing:**

**Type:**

**No. Test Piles:**

**No. Production Piles:**

**Est. Length:**

**Factored Resistance Available:**

**Nominal Required Bearing:**

**Type:**
Each Corner: 1-#5 v3(E) bar E.F.

Each Face: 1-#5 h3(E) bar

Each Face: -#5 n(E) bars

Provide Door on Wall

Door Elevation

Cost of door and frame are included with Concrete Structures.

Notes:
- Pour steps monolithically with cap.

Approach Bent Step Detail

(Awning)

Bill of Material

<table>
<thead>
<tr>
<th>Bar No.</th>
<th>Size</th>
<th>Length</th>
<th>Shape</th>
</tr>
</thead>
<tbody>
<tr>
<td>H(E)</td>
<td>#5</td>
<td>3'-0&quot;</td>
<td></td>
</tr>
<tr>
<td>H1(E)</td>
<td>#5</td>
<td>2'-6&quot;</td>
<td></td>
</tr>
<tr>
<td>H2(E)</td>
<td>#5</td>
<td>2'-2&quot;</td>
<td></td>
</tr>
<tr>
<td>H3(E)</td>
<td>#5</td>
<td>2'-0&quot;</td>
<td></td>
</tr>
<tr>
<td>H4(E)</td>
<td>#5</td>
<td>2'-6&quot;</td>
<td></td>
</tr>
<tr>
<td>H5(E)</td>
<td>#5</td>
<td>4'-6&quot;</td>
<td></td>
</tr>
<tr>
<td>H6(E)</td>
<td>#5</td>
<td>4'-6&quot;</td>
<td></td>
</tr>
<tr>
<td>V(E)</td>
<td>#4</td>
<td>2'-6&quot;</td>
<td></td>
</tr>
<tr>
<td>V1(E)</td>
<td>#7</td>
<td>2'-6&quot;</td>
<td></td>
</tr>
<tr>
<td>V2(E)</td>
<td>#7</td>
<td>2'-6&quot;</td>
<td></td>
</tr>
<tr>
<td>V3(E)</td>
<td>#7</td>
<td>2'-6&quot;</td>
<td></td>
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<td>V4(E)</td>
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<td>V6(E)</td>
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<tr>
<td>W(E)</td>
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</tr>
</tbody>
</table>

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

2-17-2017
FIELD CUTTING DIAGRAM

* Order h4(E) and v5(E) bars full length. Cut to fit and use the remainder of bars in opposite face.

BILL OF MATERIAL

<table>
<thead>
<tr>
<th>Bar No.</th>
<th>Size</th>
<th>Length</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
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<td></td>
</tr>
</tbody>
</table>

APPROACH BENT STEP DETAIL

(looking )

DOOR ELEVATION

Cost of door and frame are included with Concrete Structures.

SECTION A-A

SIDE ELEVATION

hydrate 6061-T6

Fabric Pad

Notes:

Pour steps monolithically with cap.

AV-IW-LR

2-17-2017

DEPARTMENT OF TRANSPORTATION

STATE OF ILLINOIS

ABUTMENT DETAILS

STRUCTURE NO.

FILE NAME

USER NAME
**BILL OF MATERIAL**

<table>
<thead>
<tr>
<th>Bar No.</th>
<th>Size</th>
<th>Length</th>
<th>Shape</th>
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</thead>
<tbody>
<tr>
<td>v9(E)</td>
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<tr>
<td>v8(E)</td>
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<tr>
<td>v7(E)</td>
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<td>v6(E)</td>
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<tr>
<td>v5(E)</td>
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<tr>
<td>v4(E)</td>
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<td></td>
</tr>
<tr>
<td>v3(E)</td>
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</tr>
<tr>
<td>v(E)</td>
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</tr>
<tr>
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<tr>
<td>v2(E)</td>
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<tr>
<td>v3(E)</td>
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<tr>
<td>v5(E)</td>
<td>#5</td>
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<tr>
<td>v6(E)</td>
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<td>v7(E)</td>
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<td>v8(E)</td>
<td>#5</td>
<td></td>
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</tr>
<tr>
<td>v9(E)</td>
<td>#5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Order h7(E) & v7(E) bars full length. Cut to fit as shown and use remainder of bars in other face.*

**FIELD CUTTING DIAGRAM**

- **SECTION E-E**
- **SECTION F-F**

**APPENDIX BENT-PILE DATA**

Type: Nominal Required Bearing:  
Factored Resistance Available:  
Est. Length:  
No. Production Piles:  
No. Test Piles:  

**ABUT.- PILE DATA**

Type: Nominal Required Bearing:  
Factored Resistance Available:  
Est. Length:  
No. Production Piles:  
No. Test Piles:  

**STATE OF ILLINOIS**

DEPARTMENT OF TRANSPORTATION

**ABUTMENT DETAILS**

**STRUCTURE NO.**

**FILE NAME**

**PLOT SCALE**

**PLOT DATE**

**CHECKED**

**DRAWN**

**DESIGNED**

**REVISED**

**DEPARTMENT OF TRANSPORTATION**

**STATE OF ILLINOIS**

**FED. AID PROJECT**

**COUNTY**

**CONTRACT NO.**

**TOTAL SHEETS**

**SHEET NO.**

**F.A. RTE. SECTION**

**ILLINOIS**

**v7(E)**

**h7(E)**

**v7(E)**

**h7(E)**

**-v7(E) bars**

**-h7(E) bars**

**Cut Line**

**v4(E)**

**h4(E)**

**v3(E)**

**h3(E)**

**v2(E)**

**h2(E)**

**v1(E)**

**h1(E)**

**v(E)**

**h(E)**

**v1(E)**

**h1(E)**
**FIELD CUTTING DIAGRAM**

*Order h7(E) & h9(E) bars full length. Cut to fit as shown and use remainder of bars in other face.*

**BILL OF MATERIAL**

<table>
<thead>
<tr>
<th>Bar</th>
<th>No.</th>
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<th>Shape</th>
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**APPR. BENT-PILE DATA**

- Type: Epoxy Coated
- Nominal Required Bearing: 1
- Factored Resistance Available: 1
- Est. Length: 1
- No. Test Piles: 1
- No. Production Piles: 1
- Type: Epoxy Coated
- Nominal Required Bearing: 1
- Factored Resistance Available: 1
- Est. Length: 1
- No. Test Piles: 1
- No. Production Piles: 1

**ABUT. PILE DATA**

- Type: Epoxy Coated
- Nominal Required Bearing: 1
- Factored Resistance Available: 1
- Est. Length: 1
- No. Test Piles: 1
- No. Production Piles: 1
- Type: Epoxy Coated
- Nominal Required Bearing: 1
- Factored Resistance Available: 1
- Est. Length: 1
- No. Test Piles: 1
- No. Production Piles: 1

**FIELD CUTTING DIAGRAM**

*Order h7(E) & h9(E) bars full length. Cut to fit as shown and use remainder of bars in other face.*