<table>
<thead>
<tr>
<th>CELL / MODEL NAME</th>
<th>DESCRIPTION</th>
<th>DATE</th>
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<tr>
<td>SA-1-0</td>
<td>Approach span for vaulted abutments with PPC I beams no skew</td>
<td>2/17/2017</td>
</tr>
<tr>
<td>SA-1-L</td>
<td>Approach span for vaulted abutments with PPC I beams ahead left</td>
<td>2/17/2017</td>
</tr>
<tr>
<td>SA-1-R</td>
<td>Approach span for vaulted abutments with PPC I beams ahead right</td>
<td>2/17/2017</td>
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<td>SA-1D-0</td>
<td>Approach span for vaulted abutments with PPC I beams no skew</td>
<td>2/17/2017</td>
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<td>SA-1D-L</td>
<td>Approach span for vaulted abutments with PPC I beams ahead left</td>
<td>2/17/2017</td>
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<tr>
<td>SA-1D-R</td>
<td>Approach span for vaulted abutments with PPC I beams ahead right</td>
<td>2/17/2017</td>
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<tr>
<td>SA-2-0</td>
<td>Approach span for vaulted abutments (sand filled) no skew</td>
<td>2/17/2017</td>
</tr>
<tr>
<td>SA-2-L</td>
<td>Approach span for vaulted abutments (sand filled) ahead left</td>
<td>2/17/2017</td>
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<tr>
<td>SA-2-R</td>
<td>Approach span for vaulted abutments (sand filled) ahead right</td>
<td>2/17/2017</td>
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</table>
Vaulted Abutment Approach Span

Inside Elevation of Parapet

- #5 d(E) bars at 11" cts.
- 3-#5 d(E) bars at 11" cts.
- Bend 3-#5 (E) bars.
- 1-#4 e(E) bar at 11" cts.
- #5 d(E) bars at 77" cts.
- Bend 3-#5 (E) bars.
- #5 d(E) bars at 77" cts.
- #8 anchor bolts.
- 1-#8 ø (E) bar, front face
- 1-#8 ø (E) bar, back face

Plan

- 3-#6 ø (E) Top of Slab
- ø (E) bar at 3'-6" Top of slab

Cross Section

- 7'-#4 e(E) bars

Notes: See sheets and of for v3(E) thru v6(E) bars.
**INSIDE ELEVATION OF PARAPET**

- Order $a(E)$ and $a1(E)$ bars full length. Cut to fit same and use remainder of bars in opposite end.

- Bend 1-#4 $e(E)$ bar to fit taper, typ.

- Cut 3-#4 $e(E)$ bars to fit taper, typ.

- $1'\-0"$ $a(E)$ bars at $\pm$ 12" cts. Top of slab

- $1'\-0"$ $a1(E)$ bars at $\pm$ 12" cts. Bott. to fit taper, typ.

- $1'-7\"$ $a3(E)$ bar, Top and Bott.

- $1'-7\"$ $a3(E)$ bars at Cls. Top

- $1'-7\"$ $a3(E)$ bars at Cls. Bott.

Notes:
- See sheets and of for $v3(E)$ thru $v6(E)$ bars.
- Alternate between each $a(E)$ bar.

**SECTION THRU PARAPET**

- 1" Ø Anchor bolt

- 1-#8 $a(E)$ bar, front face

- 1-#4 $a(E)$ bar, back face

- $\pm$ 12" cts. Top of slab

- $2'\-0"$ $b(E)$ bars, esp. as shown

- $7"$ $d(E)$ bars at 11" cts.

- $7"$ x $7"$ PH inserts for $\frac{2}{3}"$ x 2" threaded dowel rods

- $\frac{1}{2}"$ x 2" threaded dowel rods

- $\frac{1}{2}"$ Ø Anchor Bolt

- $50°$ F.

- $\pm$ 12" cts. to fit taper, typ.

**SECTION A-A**

- $1'-2"$ roadway

- $2'-0"$ roadway

- $2'-6"$ roadway

**SECTION B-B**

- $1'-0"$ roadway

- $1'-0"$ roadway

**VIEW C-C**

- Top to top deck

- Face to face parapets

**CROSS SECTION**
Notes:
See sheet and of for m(E), m1(E), and m2(E) bars.

See Section B-B on sheet of .

For location of m(E), m1(E), m2(E), and m3(E) bars

BAR d(E)

BAR d1(E)

BAR s(E)

BAR s1(E)

BAR v(E)

TWO APPROACH SLABS

BILL OF MATERIAL

<table>
<thead>
<tr>
<th>Description</th>
<th>Bar</th>
<th>Size</th>
<th>Length</th>
<th>Shape</th>
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<tbody>
<tr>
<td>Fabric Brg. Pad</td>
<td>#6</td>
<td>Ø6</td>
<td>2'-0&quot;</td>
<td>Flat</td>
</tr>
<tr>
<td>Ferrule inserts for Ø6 threaded dowel rods</td>
<td>#6</td>
<td>Ø6</td>
<td>2'-0&quot;</td>
<td>Flat</td>
</tr>
<tr>
<td>Ferrule inserts for Ø1 threaded dowel rods</td>
<td>#5</td>
<td>Ø1</td>
<td>2'-0&quot;</td>
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<tr>
<td>Tapered Dowel Rods</td>
<td>#4</td>
<td>Ø4</td>
<td>2'-0&quot;</td>
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<tr>
<td>Ferrule Inserts for Tapered Dowel Rods</td>
<td>#3</td>
<td>Ø3</td>
<td>2'-0&quot;</td>
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<tr>
<td>Ferrule Inserts for #3 Tapered Dowel Rods</td>
<td>#3</td>
<td>Ø3</td>
<td>2'-0&quot;</td>
<td>Flat</td>
</tr>
</tbody>
</table>

Fabric Brg. Pad: 6" x 6" x 2"

Concrete Superstructure: Cu Yd

SA-10-L

2-17-2017

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
VAULTED ABUTMENT APPROACH SPAN DETAILS
STRUCTURE NO.

DEPARTMENT OF TRANSPORTATION
STATE OF ILLINOIS
F.A. RTE.
SECTION}

COUNTY
CONTRACT NO.
TOTAL SHEETS
SHEET NO.
Notes:
See sheet  and  for m(E), m1(E), and m3(E) bars.

For location of m(E), m1(E), m2(E), and m3(E) bars see Section A-A on sheet  of .

For location of m(E), m1(E), m2(E), and m3(E) bars see Section B-B on sheet  of .