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<td>Abutments for 11 inch deck beams</td>
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<td>AD-11-R</td>
<td>Abutments for 11 inch deck beams</td>
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<td>Abutments for 17” or 21” deck beams</td>
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<td>AD-1721-L</td>
<td>Abutments for 17” or 21” deck beams</td>
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<td>AD-1721-R</td>
<td>Abutments for 17” or 21” deck beams</td>
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<td>AD-2742-0</td>
<td>Abutments for 27”, 33”, or 42” deck beams, no skew</td>
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<td>Abutments for 27”, 33”, or 42” deck beams, left skew</td>
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<td>Abutments for 27”, 33”, or 42” deck beams, ahead right skew</td>
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</table>
Pile Data

- Cast top of wingwall flush with exterior beam face after beams have been erected.
- Bend in field as required.
- Fan #5 v(E) bars Each face.
- Concrete Encasement, typ.
- See Field Cutting Diagram
- See Sec. Thru Abut.
- #4 u(E) bars at 12" cl.
- Order v(E) bars full length.
- Cut as shown and use remainder of bars in opposite face.
- For details of piles and Concrete Encasement, see sheet - of -.

Bill of Material

- #6 v(E) bars at 12" cts.
- #5 v(E) bars at 12" cts.
- #5 u(E) bars at 12" cts.
- #4 u(E) bars at 12" cts.
- Construction joint Mandatory
- See Sec. Thru Abut.
- 2-17-2017

Abutments

- Structure No.
- State of Illinois
- Department of Transportation

Field Cutting Diagram

- BAR v1(E)
- BAR s(E)
- BARS u(E) & u1(E)

Plan

- Elevation
- Plan

Pile Data

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

Elev.
Each End bars 4-#6 u(E) bars

Each End 1-#s1(E) bars and Piles

Abut. use remainder of bars in opposite face.

Order v(E) full length. Cut as shown and use remainder of bars in opposite face.

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<td>No. Test Piles:</td>
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For details of piles and Concrete Encasement, see sheet - of -.

(Elev.)

1'-0" to 3'-0"

Varies from 1'-0"

(see sheet - of -)

* (Dimensions are at Rt. E's)

Concrete Excavation, typ.

Concrete Structures, typ.

Reinforcement Bars, typ.

Concrete Encasement, typ.

Structure Excavation to 1'-0"

*(See Field Cutting Diagram)

Cu. Yd.

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### PILE DATA

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

### BILL OF MATERIAL

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</table>

*For details of piles and Concrete Encasement, see sheet - of.*

### FIELD CUTTING DIAGRAM

Order v(E) bars full length. Cut as shown and use remainder of bars in opposite face.

### PLAN

- Beams at =
- Each end -# s(E) bars at 12" cts.
- # v(E) bars at 12" cts.
- Cutting piles at cts., typ.
- Between piles typ.
- Bend in field as required
- Cast top of wingwall flush with exterior beam face after beams have been erected.
- Cast top of wingwall flush with exterior beam face after beams have been erected.
- Cast top of wingwall flush with exterior beam face after beams have been erected.
- Cast top of wingwall flush with exterior beam face after beams have been erected.

### ELEVATION

- Concrete Encasement, typ.
- u(E) bars at 12" cts.
- # v(E) bars Each face
- (See Field Cutting Diagram)
- each face
- Minimum

### SECTION A-A

- Each end -# s(E) bars
- Bend in field as required
- Fan -# h(E) bars Each face.
- Each end -# s(E) bars
- Bend in field as required
- Fan -# h(E) bars Each face.
- Each end -# s(E) bars
- Bend in field as required
- Fan -# h(E) bars Each face.
- Each end -# s(E) bars
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- Fan -# h(E) bars Each face.
- Each end -# s(E) bars
- Bend in field as required
- Fan -# h(E) bars Each face.
Cast top of wingwall flush with exterior beam face after beams have been erected.

Concrete Encasement, typ.

Bar v(E) bars at 12" cts.

Order v(E) bars full length. Cut as shown and use remainder of bars in opposite face.

BAR v(E)

BAR v1(E)

 FIELD CUTTING DIAGRAM

PILE DATA

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

FIELD OF MATERIAL

For details of piles and Concrete Encasement, see sheet - of -.
- Cast top of wingwall flush with exterior beam face after beams have been erected.

**ELEVATION**

- #5 v(E) bars at 12" cts.
- #5 v1(E) bars at 12" cts.

**PLAN**

- Back of Abut.
- E: Abut. and Piles

**FIELD CUTTING DIAGRAM**

- #5 u(E) bars

**PILEDATA**

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

**BILL OF MATERIAL**

- Concrete Encasement: 1' - 8'
- Reinforcement Bars: Epoxy Coated or Plain
- Driving Piles: Foot
- Furnishing - Piles, Foot

For details of piles and Concrete Encasement, see sheet - of -.
ELEVATION

PLAN

PILE DATA
Type: Mandatory Required Bearing:
Factor: Required Resistance Available:
No. Production Piles:
No. Test Piles:

FIELD CUTTING DIAGRAM
Order all bars full length. Cut as shown and use remainder of bars in opposite face.

BAR s(E)
BAR u(E)
BAR v1(E)

Notes:
For details of piles and Concrete Encasement, see sheet - of -.
Cast backwall after beams and concrete wearing surface, if applicable, have been erected.
Elevation

Plan

Field Cutting Diagram

Bill of Material

Pile Data

Notes:
- Cast top of wingwall flush with exterior beam face after beams have been erected.
- Cast backwall after beams and concrete wearing surface, if applicable, have been erected.
- Beams at =
- See Sec. Thru Abut.
- See Field Cutting Diagram
- Bar v(E) full length. Cut as shown and use remainder of bars in opposite face.

Structures No.

State of Illinois
Department of Transportation
**PILE DATA**

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

**BILL OF MATERIAL**

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<th>Material Description</th>
<th>Cu. Yd.</th>
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<tr>
<td>Driving Piles</td>
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**FIELD CUTTING DIAGRAM**

Order (E) full length. Cut as shown and use remainder of bars in opposite face.

**BAR v(E)**

**BARS s(E) & s1(E)**

Notes:

- Coasting top of wingwall flush with exterior beam face after beams have been erected.
- Cast top of wingwall flush with exterior beam face after beams have been erected.
- Cast backwall after beams and concrete wearing surface, if applicable, have been erected.