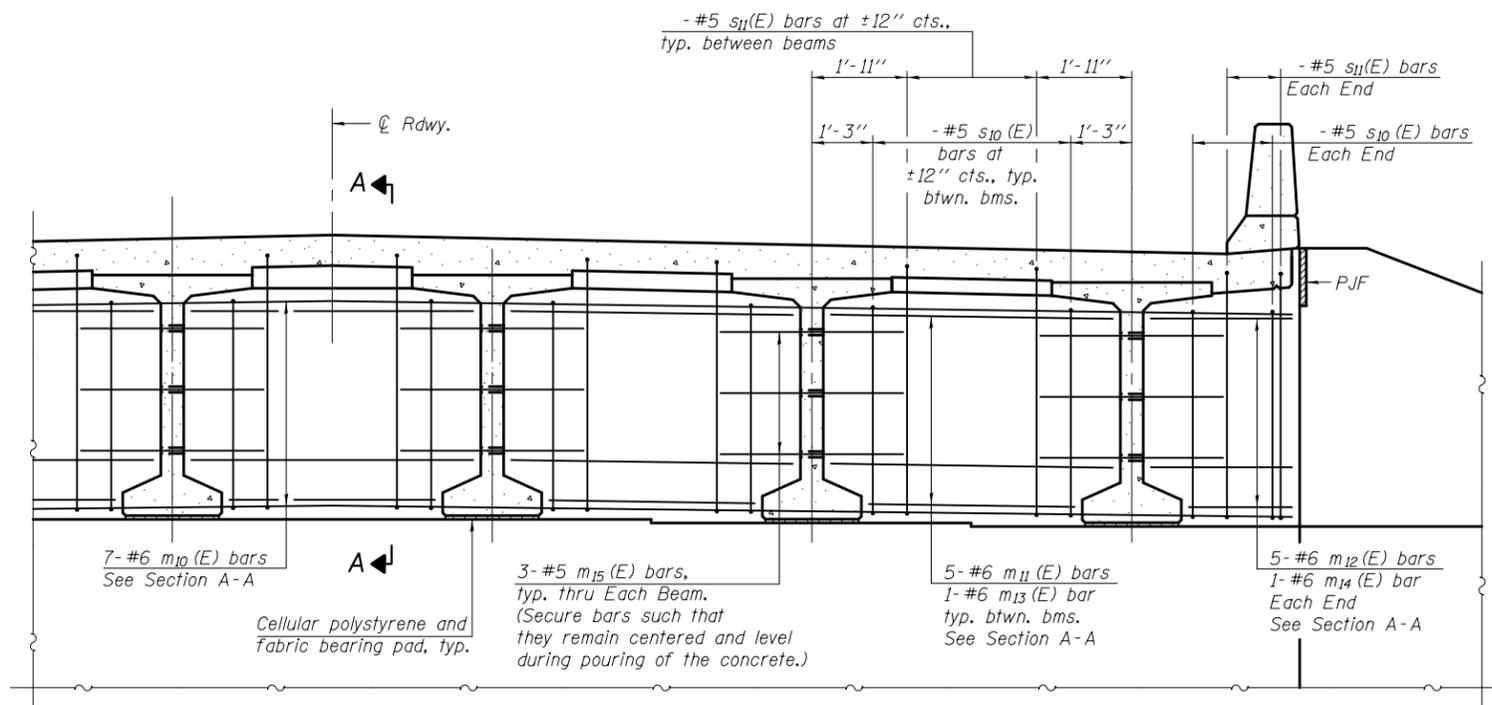
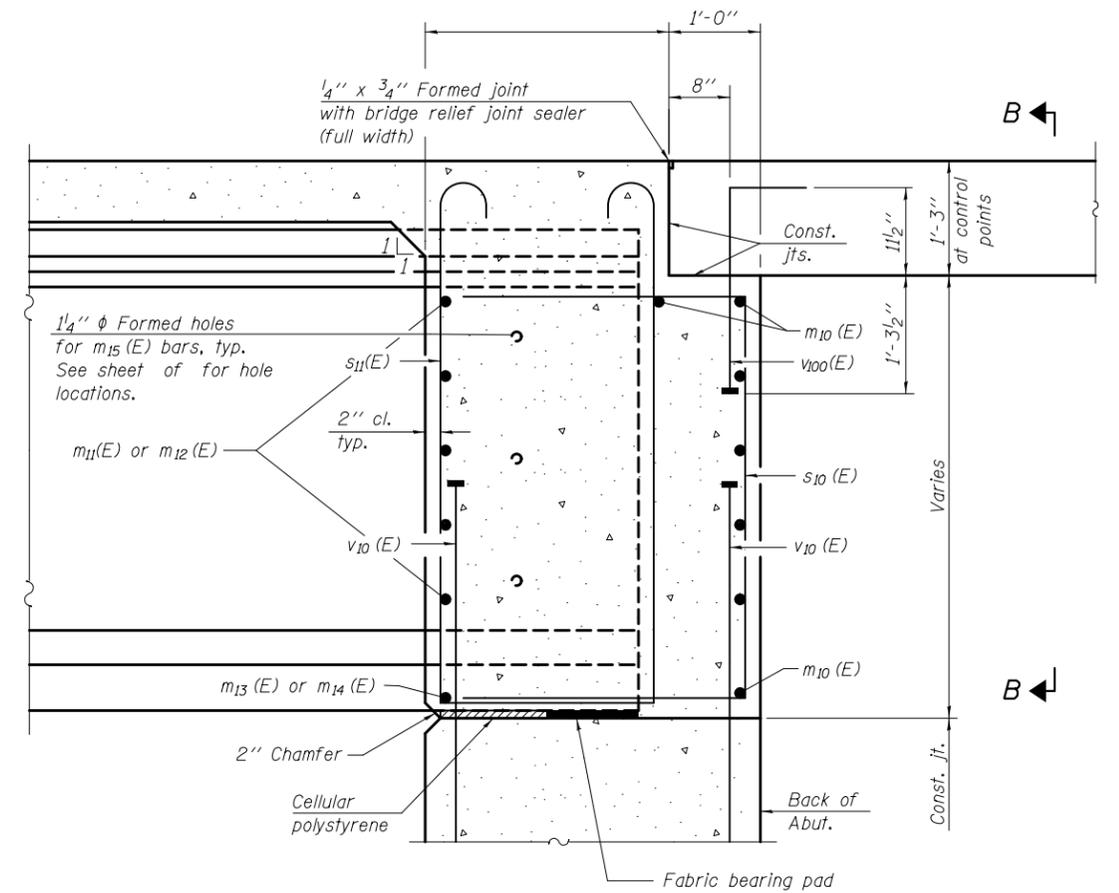


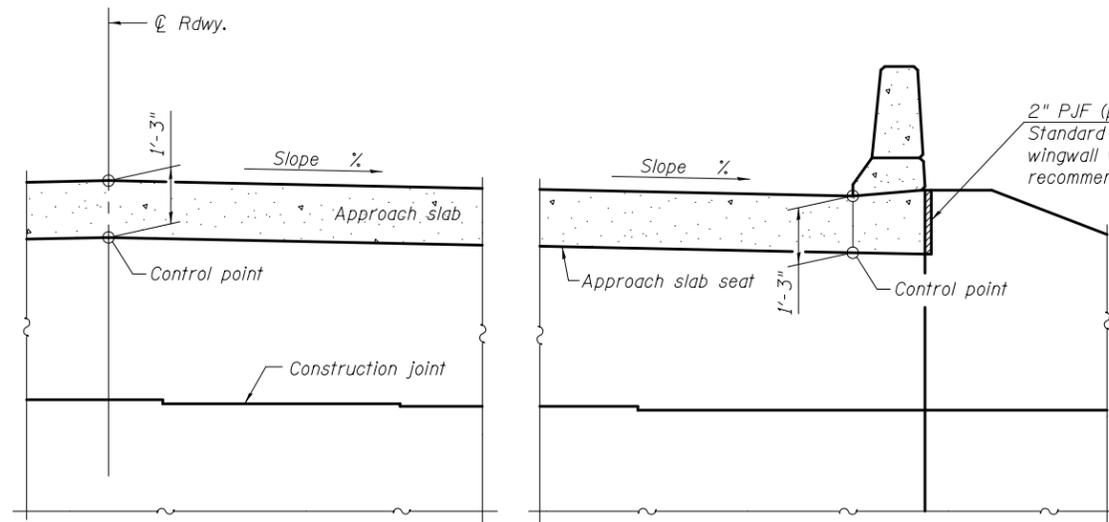
CELL / MODEL NAME	DESCRIPTION	DATE
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DIA-BT6372-L	Diaphragm Integral Abutment; Bulb T-Beam 63-72 inch beam depth; Left skew	10/7/2016
DIA-BT6372-R	Diaphragm Integral Abutment; Bulb T-Beam 63-72 inch beam depth; Right skew	10/7/2016
DIA-I3642-0	Diaphragm Integral Abutment; I-Beam 36-42 inch beam depth; No skew	10/7/2016
DIA-I3642-L	Diaphragm Integral Abutment; I-Beam 36-42 inch beam depth; Left skew	10/7/2016
DIA-I3642-R	Diaphragm Integral Abutment; I-Beam 36-42 inch beam depth; Right skew	10/7/2016
DIA-I4854-0	Diaphragm Integral Abutment; I-Beam 48-54 inch beam depth; No skew	10/7/2016
DIA-I4854-L	Diaphragm Integral Abutment; I-Beam 48-54 inch beam depth; Left skew	10/7/2016
DIA-I4854-R	Diaphragm Integral Abutment; I-Beam 48-54 inch beam depth; Right skew	10/7/2016
DIA-IL27-0	Diaphragm Integral Abutment; IL 27 inch beam depth; No skew	10/7/2016
DIA-IL27-L	Diaphragm Integral Abutment; IL 27 inch beam depth; Left skew	10/7/2016
DIA-IL27-R	Diaphragm Integral Abutment; IL 27 inch beam depth; Right skew	10/7/2016
DIA-IL36-0	Diaphragm Integral Abutment; IL 36 inch beam depth; No skew	10/7/2016
DIA-IL36-L	Diaphragm Integral Abutment; IL 36 inch beam depth; Left skew	10/7/2016
DIA-IL36N-0	Diaphragm Integral Abutment; IL 36 inch beam depth narrow top; No skew	10/7/2016
DIA-IL36N-L	Diaphragm Integral Abutment; IL 36 inch beam depth narrow top; Left skew	10/7/2016
DIA-IL36N-R	Diaphragm Integral Abutment; IL 36 inch beam depth narrow top; Right skew	10/7/2016
DIA-IL36-R	Diaphragm Integral Abutment; IL 36 inch beam depth; Right skew	10/7/2016
DIA-IL4554-0	Diaphragm integral abutment; IL 45-54 inch beam depth; No skew	10/7/2016
DIA-IL4554-L	Diaphragm Integral Abutment; IL 45-54 inch beam depth; Left skew	10/7/2016
DIA-IL4554N-0	Diaphragm integral abutment; IL 45-54 inch beam depth narrow top; No skew	10/7/2016
DIA-IL4554N-L	Diaphragm Integral Abutment; IL 45-54 inch beam depth narrow top; Left skew	10/7/2016
DIA-IL4554N-R	Diaphragm Integral Abutment; IL 45-54 inch beam depth narrow top; Right skew	10/7/2016
DIA-IL4554-R	Diaphragm Integral Abutment; IL 45-54 inch beam depth; Right skew	10/7/2016
DIA-IL6372-0	Diaphragm Integral Abutment; IL 63-72 inch beam depth; No skew	10/7/2016
DIA-IL6372-L	Diaphragm Integral Abutment; IL 63-72 inch beam depth; Left skew	10/7/2016
DIA-IL6372N-0	Diaphragm Integral Abutment; IL 63-72 inch beam depth narrow top; No skew	10/7/2016
DIA-IL6372N-L	Diaphragm Integral Abutment; IL 63-72 inch beam depth narrow top; Left skew	10/7/2016
DIA-IL6372N-R	Diaphragm Integral Abutment; IL 63-72 inch beam depth narrow top; Right skew	10/7/2016
DIA-IL6372-R	Diaphragm Integral Abutment; IL 63-72 inch beam depth; Right skew	10/7/2016



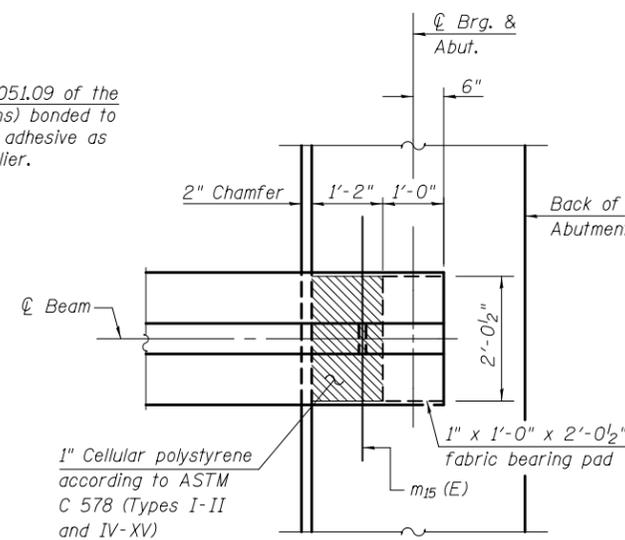
**DIAPHRAGM AT ABUTMENT**



**SECTION A-A**



**SECTION B-B**



**PLAN AT ABUTMENT**  
(Showing bottom flange of beam)

Notes:  
 Reinforcement bars in diaphragm are billed with superstructure on sheet of .  
 Concrete in diaphragm is included with Concrete Superstructure on sheet of .  
 For details of bars s<sub>10</sub>(E), s<sub>11</sub>(E) and v<sub>100</sub>(E) see sheet of .  
 The approach slab seat shall have a constant slope determined from the control points shown.  
 Cost of cellular polystyrene is included with Concrete Superstructure.  
 Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

DIA-BT6372-0

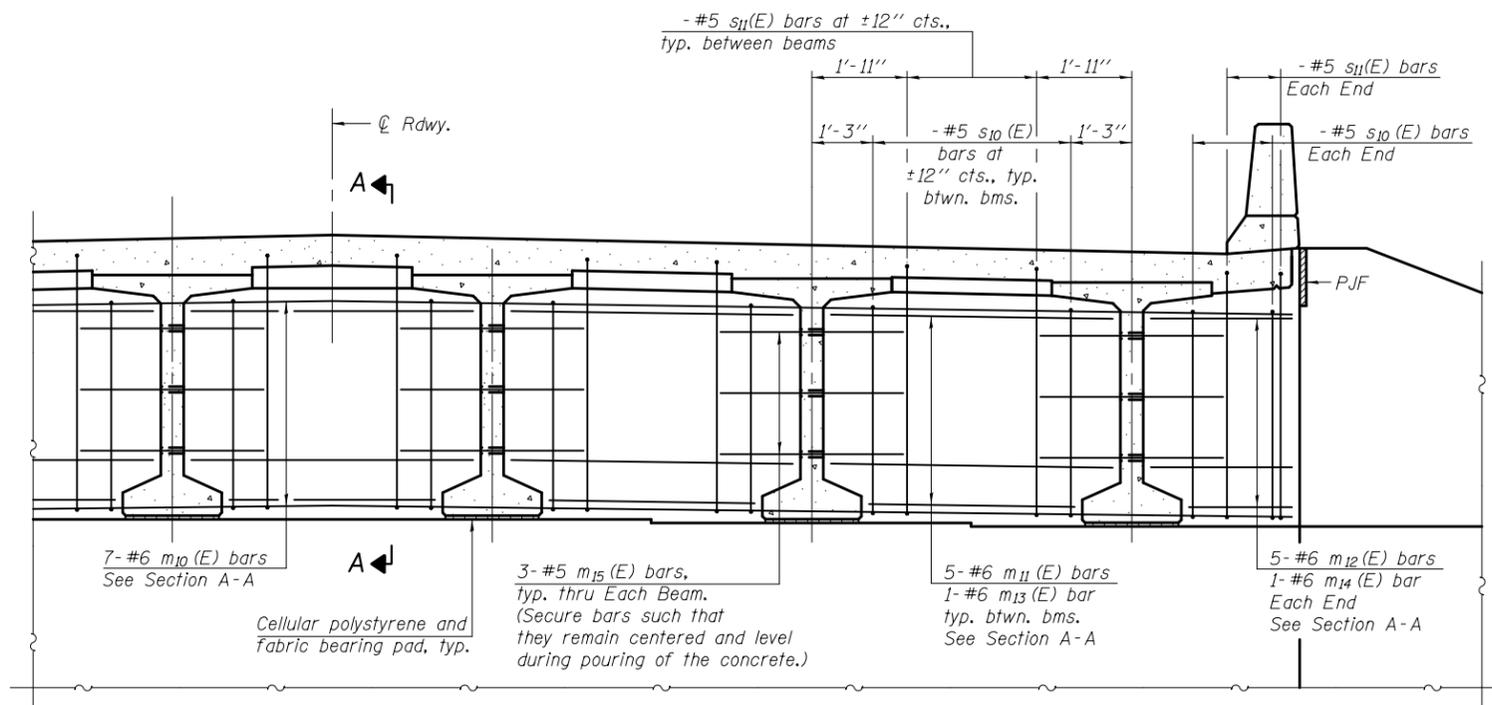
10-7-2016

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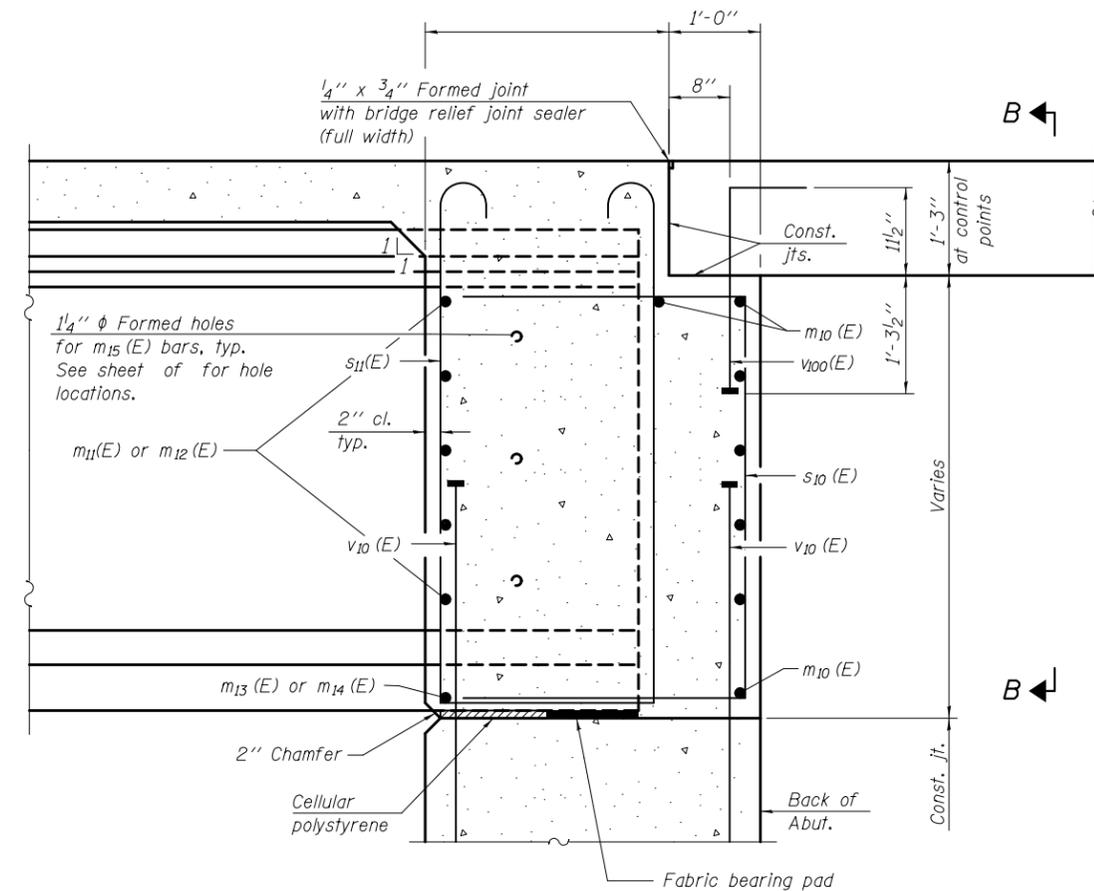
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DIAPHRAGM DETAILS  
STRUCTURE NO.**

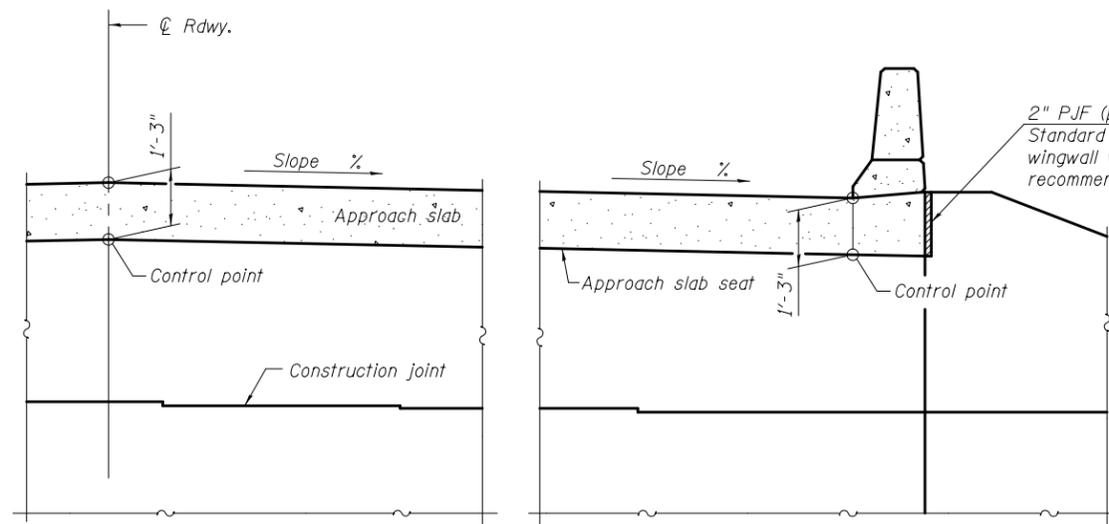
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CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



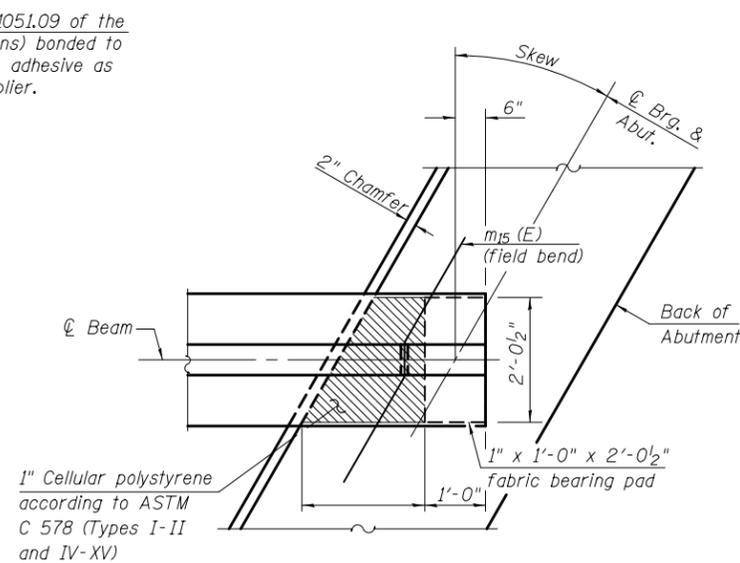
**DIAPHRAGM AT ABUTMENT**



**SECTION A-A**  
(at Rt. L's)



**SECTION B-B**



**PLAN AT ABUTMENT**  
(Showing bottom flange of beam)

Notes:  
 Reinforcement bars in diaphragm are billed with superstructure on sheet of .  
 Concrete in diaphragm is included with Concrete Superstructure on sheet of .  
 For details of bars  $s_{10}(E)$ ,  $s_{11}(E)$  and  $v_{100}(E)$  see sheet of .  
 The  $s_{10}(E)$  and  $s_{11}(E)$  bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.  
 The approach slab seat shall have a constant slope determined from the control points shown.  
 Cost of cellular polystyrene is included with Concrete Superstructure.  
 Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

DIA-BT6372-L

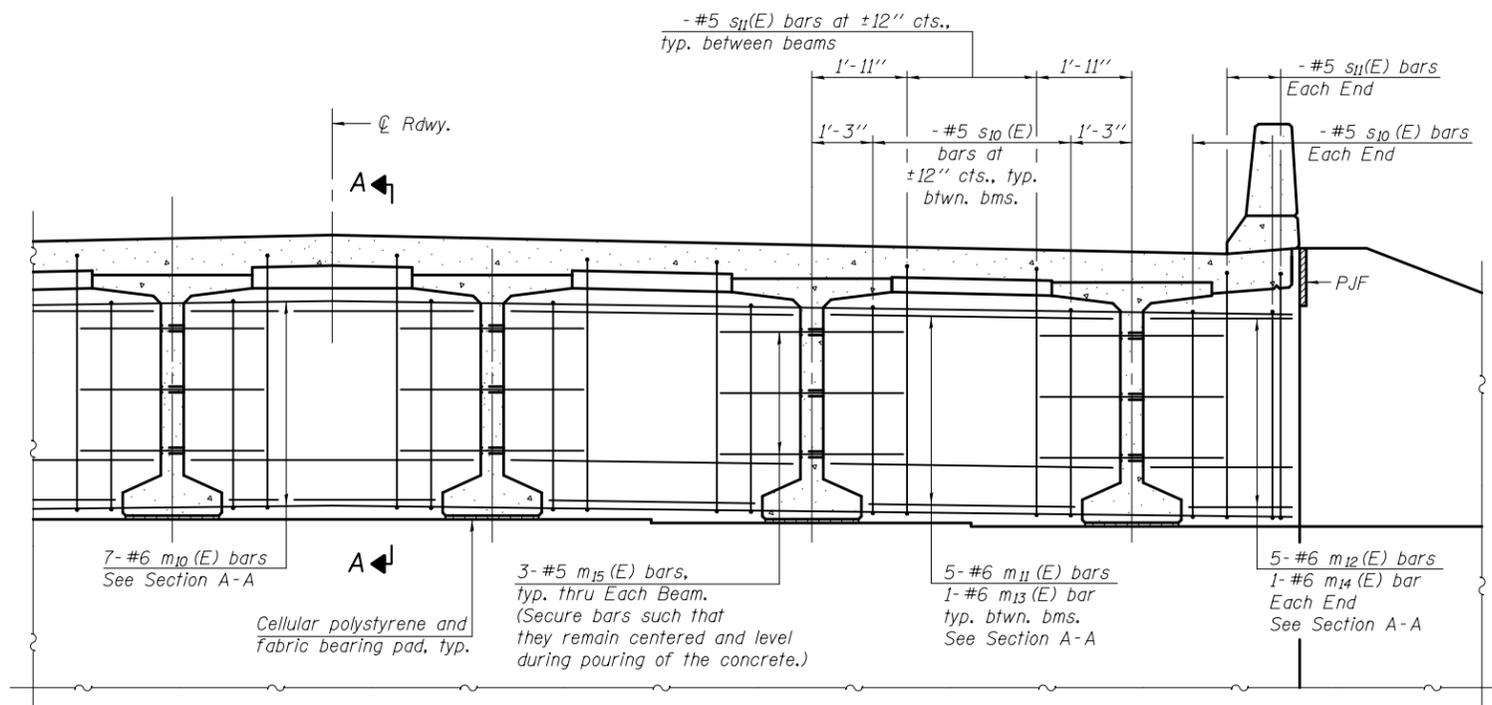
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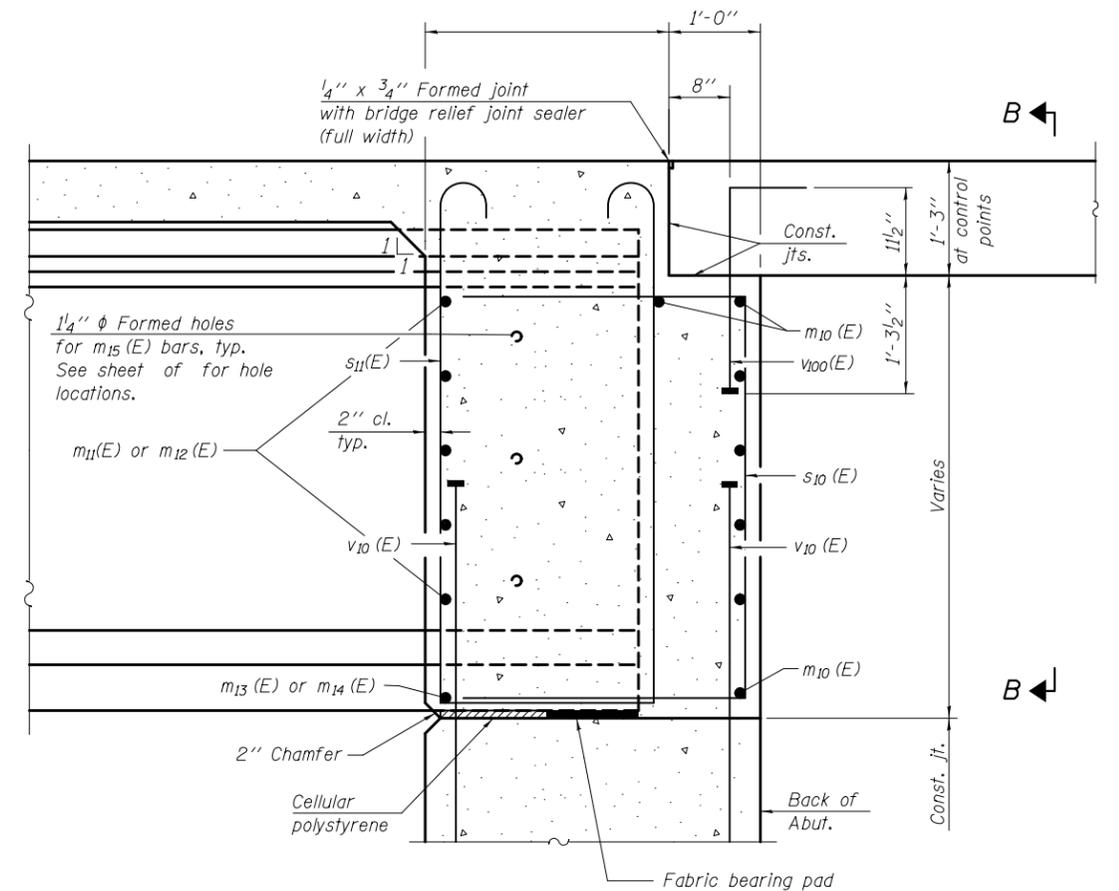
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DIAPHRAGM DETAILS  
STRUCTURE NO.

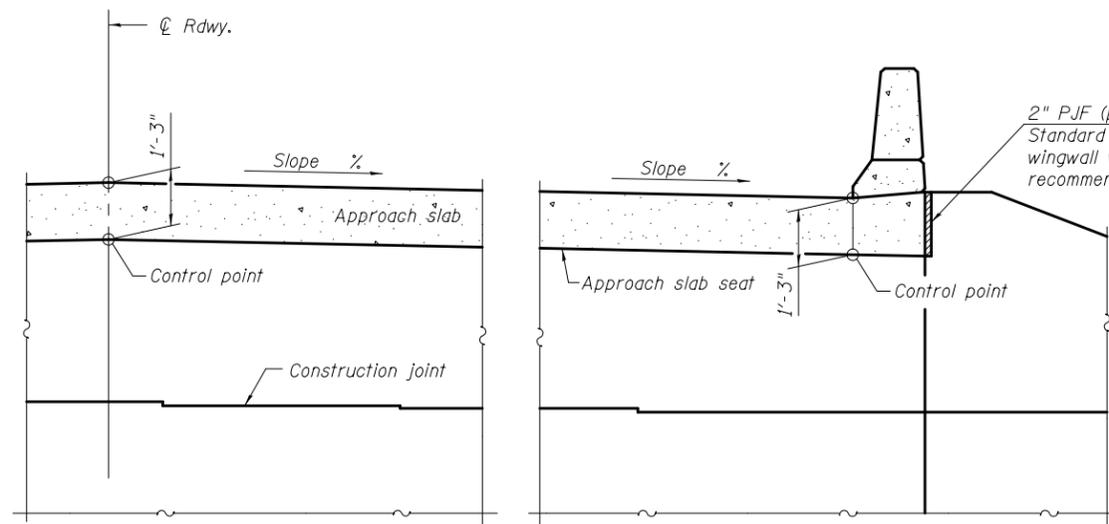
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CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



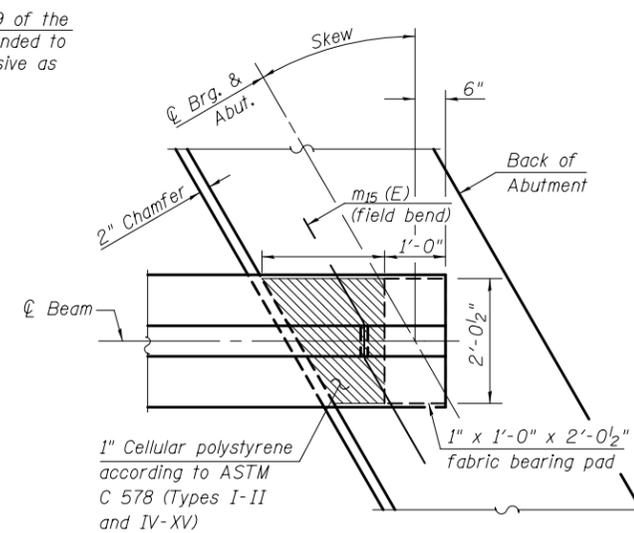
**DIAPHRAGM AT ABUTMENT**



**SECTION A-A**  
(at Rt. L's)



**SECTION B-B**



**PLAN AT ABUTMENT**  
(Showing bottom flange of beam)

Notes:  
 Reinforcement bars in diaphragm are billed with superstructure on sheet of .  
 Concrete in diaphragm is included with Concrete Superstructure on sheet of .  
 For details of bars  $s_{10}(E)$ ,  $s_{11}(E)$  and  $v_{100}(E)$  see sheet of .  
 The  $s_{10}(E)$  and  $s_{11}(E)$  bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.  
 The approach slab seat shall have a constant slope determined from the control points shown.  
 Cost of cellular polystyrene is included with Concrete Superstructure.  
 Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

DIA-BT6372-R

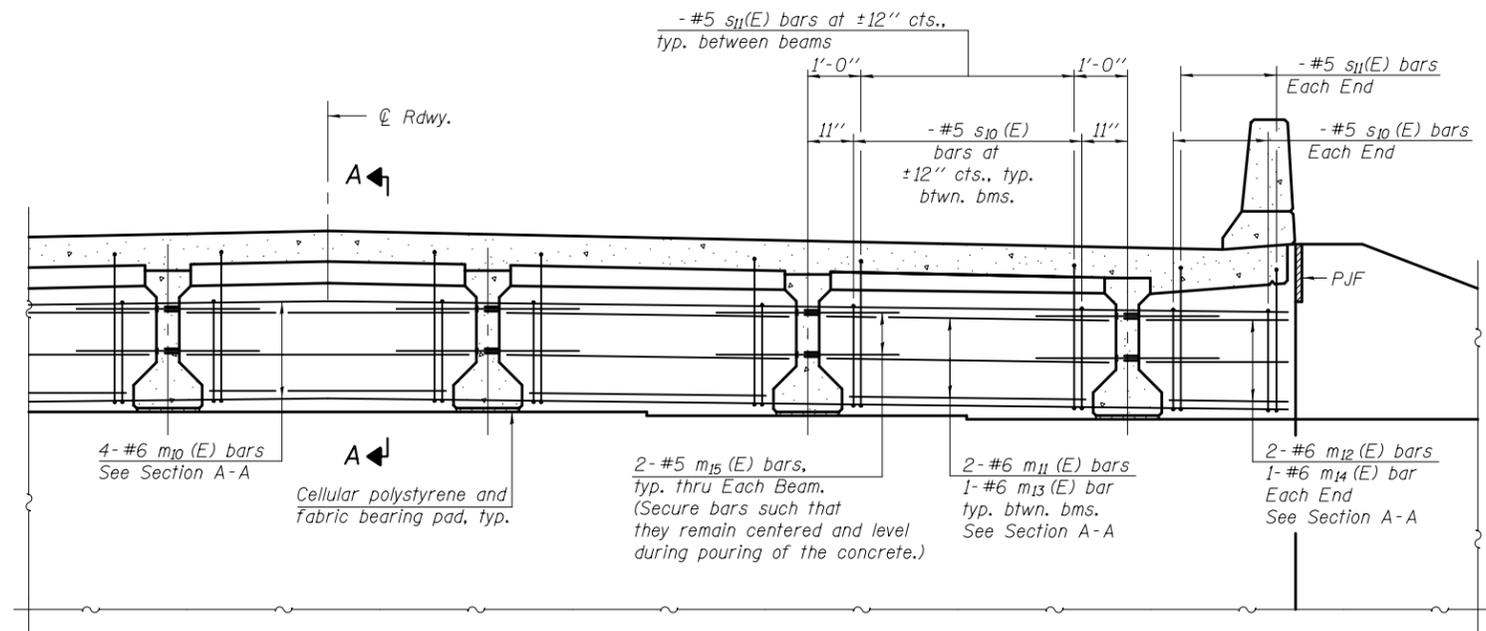
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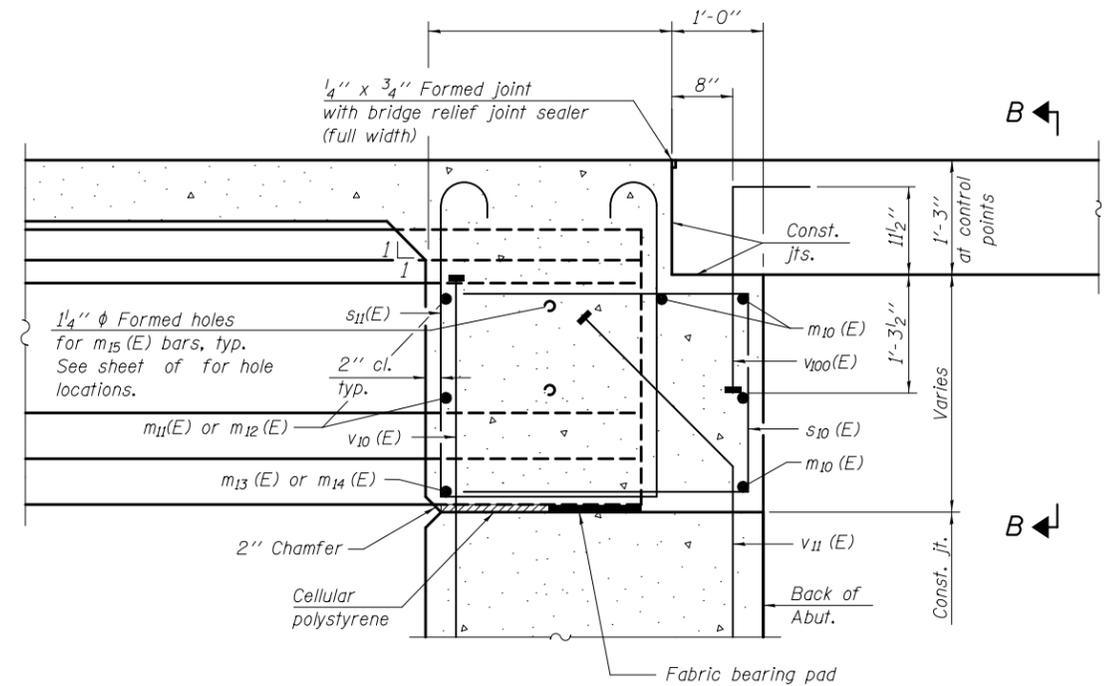
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

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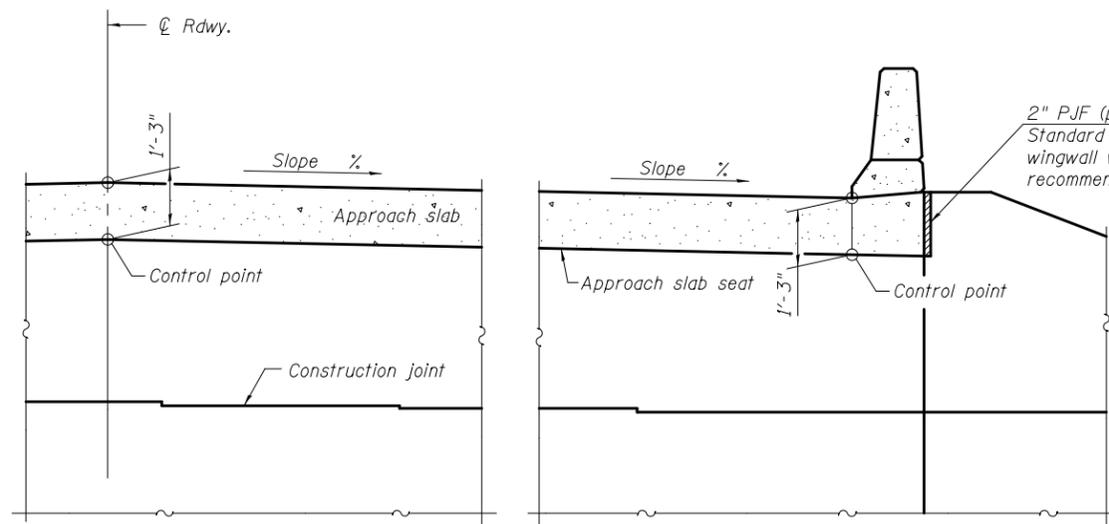
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CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



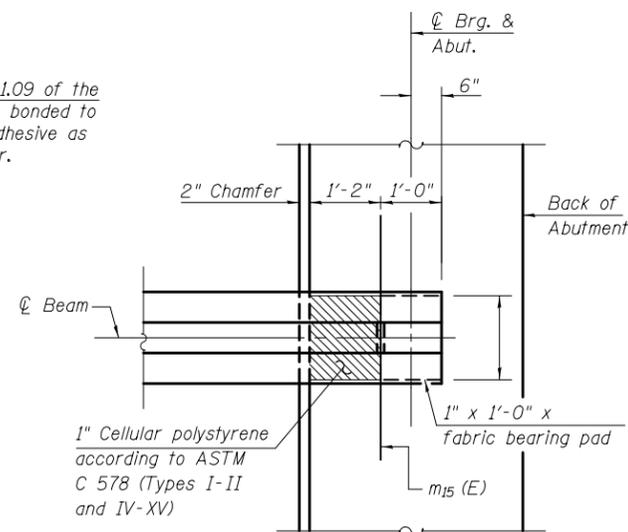
**DIAPHRAGM AT ABUTMENT**



**SECTION A-A**



**SECTION B-B**



**PLAN AT ABUTMENT**  
(Showing bottom flange of beam)

Notes:  
 Reinforcement bars in diaphragm are billed with superstructure on sheet of .  
 Concrete in diaphragm is included with Concrete Superstructure on sheet of .  
 For details of bars s<sub>10</sub>(E), s<sub>11</sub>(E) and v<sub>100</sub>(E) see sheet of .  
 The approach slab seat shall have a constant slope determined from the control points shown.  
 Cost of cellular polystyrene is included with Concrete Superstructure.  
 Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

DIA-I3642-0

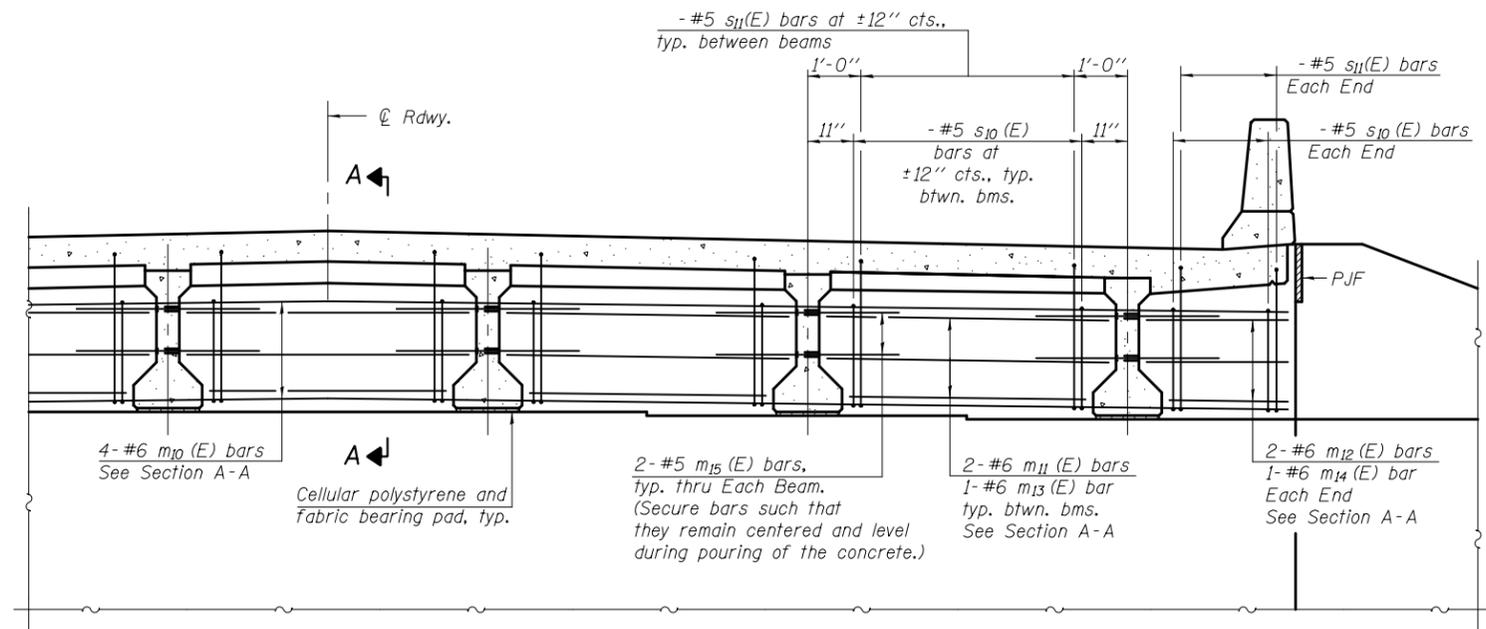
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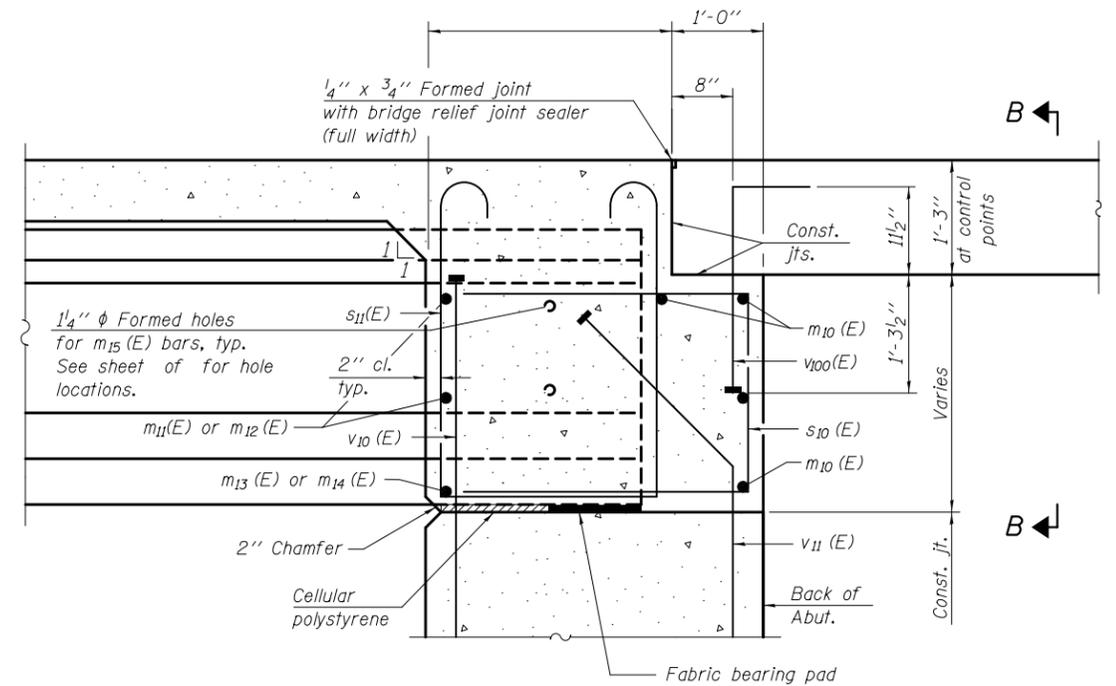
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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STRUCTURE NO.**

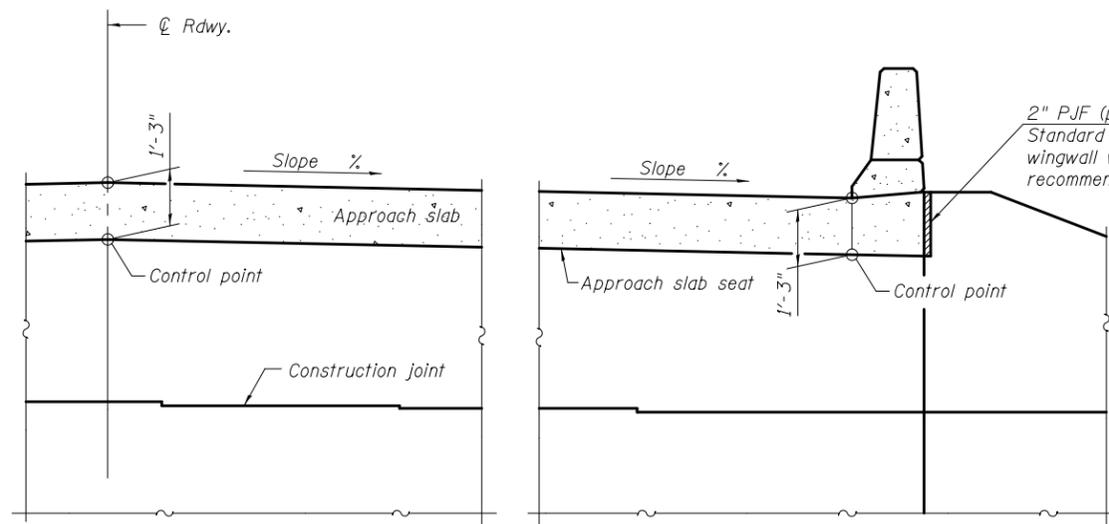
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ILLINOIS FED. AID PROJECT				



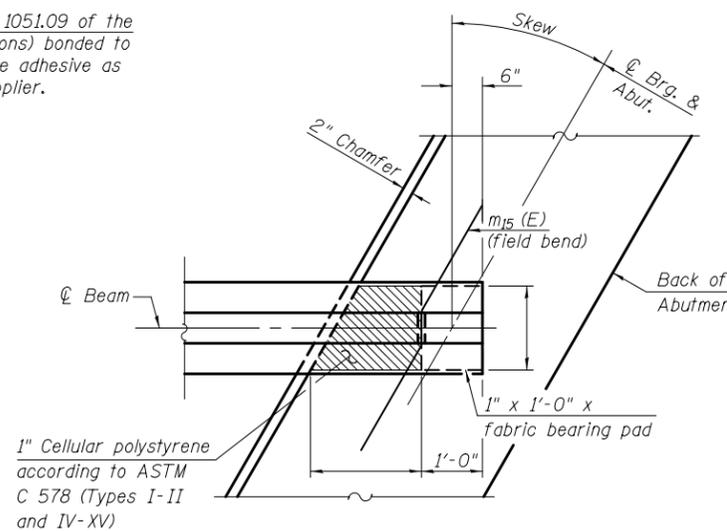
**DIAPHRAGM AT ABUTMENT**



**SECTION A-A**  
(at Rt. L's)



**SECTION B-B**



**PLAN AT ABUTMENT**  
(Showing bottom flange of beam)

Notes:  
 Reinforcement bars in diaphragm are billed with superstructure on sheet of .  
 Concrete in diaphragm is included with Concrete Superstructure on sheet of .  
 For details of bars s10 (E), s11 (E) and v100 (E) see sheet of .  
 The s10 (E) and s11 (E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.  
 The approach slab seat shall have a constant slope determined from the control points shown.  
 Cost of cellular polystyrene is included with Concrete Superstructure.  
 Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

DIA-I3642-L

10-7-2016

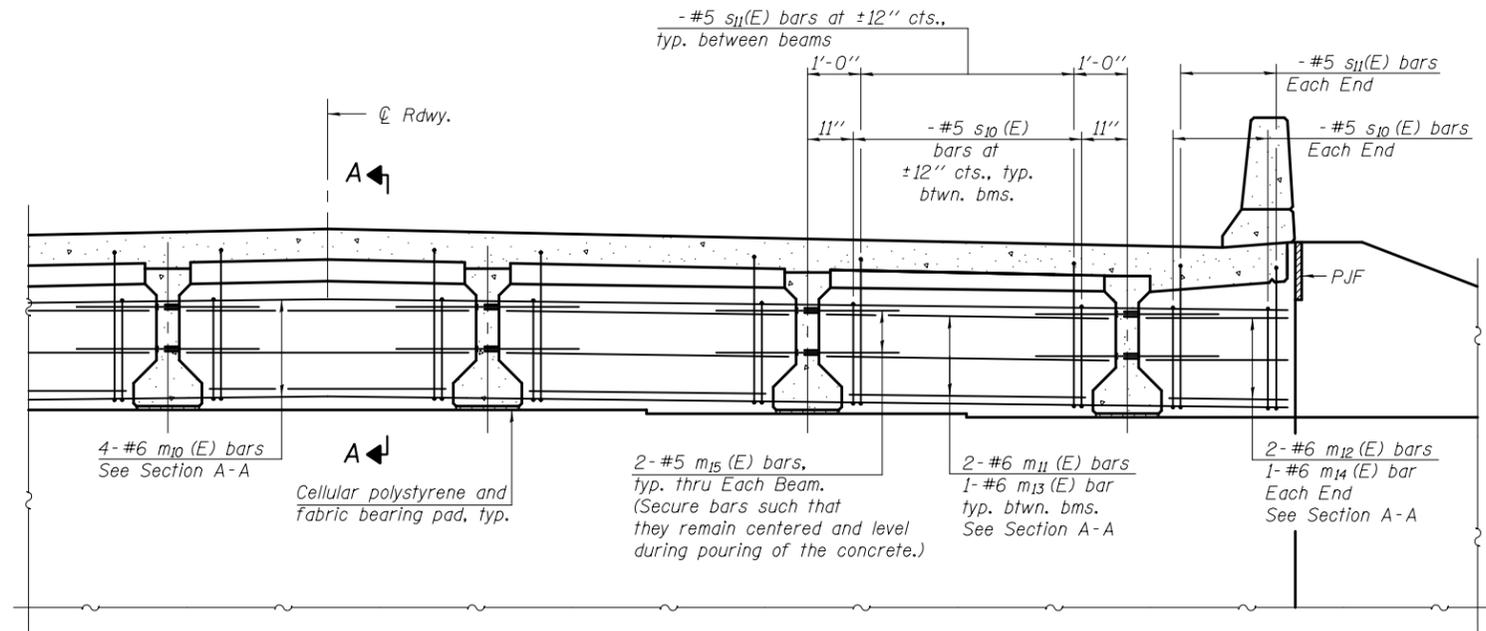
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

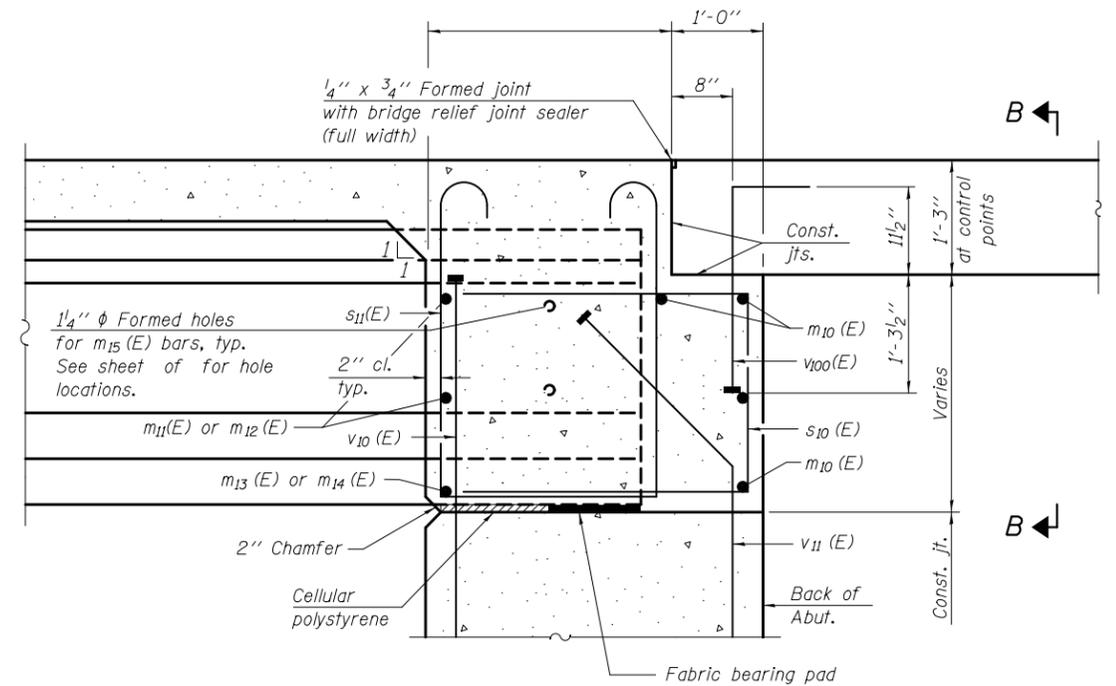
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**STRUCTURE NO.**

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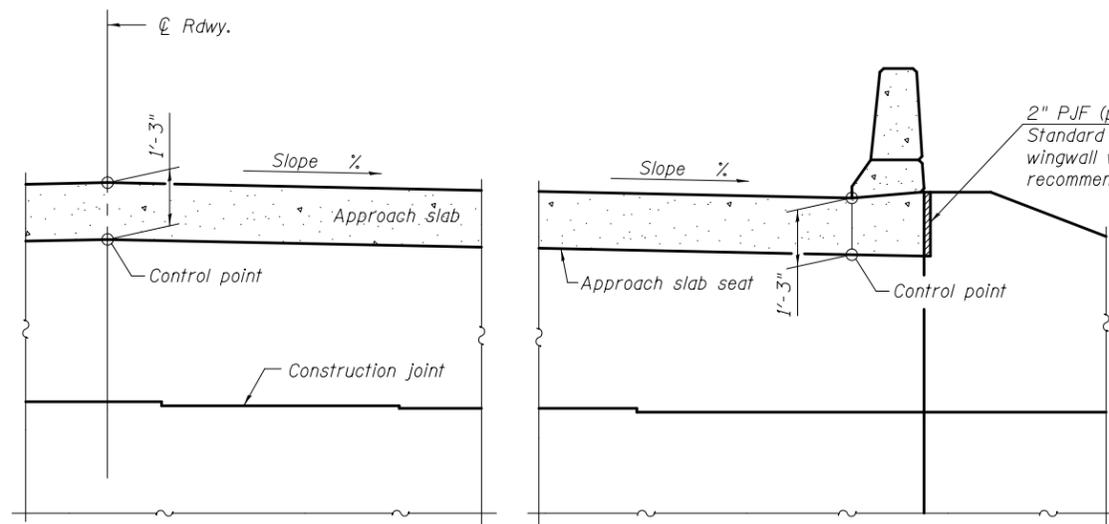
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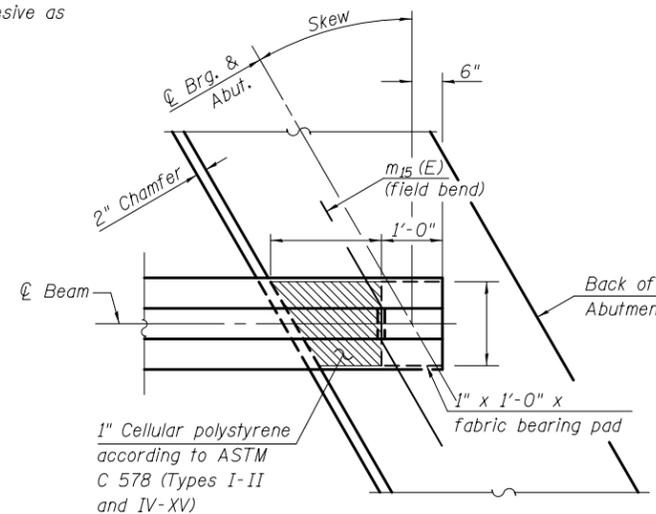
**DIAPHRAGM AT ABUTMENT**



**SECTION A-A**  
(at Rt. L's)



**SECTION B-B**



**PLAN AT ABUTMENT**  
(Showing bottom flange of beam)

Notes:  
 Reinforcement bars in diaphragm are billed with superstructure on sheet of .  
 Concrete in diaphragm is included with Concrete Superstructure on sheet of .  
 For details of bars s<sub>10</sub>(E), s<sub>11</sub>(E) and v<sub>100</sub>(E) see sheet of .  
 The s<sub>10</sub>(E) and s<sub>11</sub>(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.  
 The approach slab seat shall have a constant slope determined from the control points shown.  
 Cost of cellular polystyrene is included with Concrete Superstructure.  
 Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

DIA-I3642-R

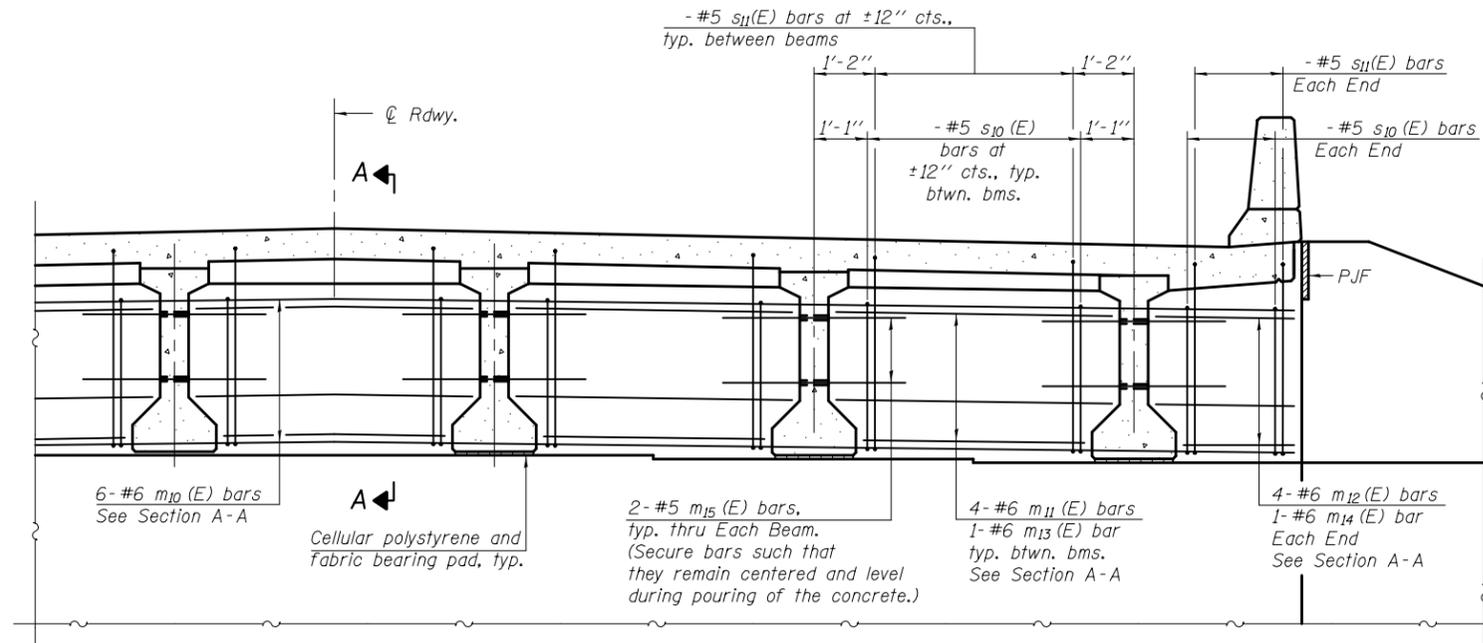
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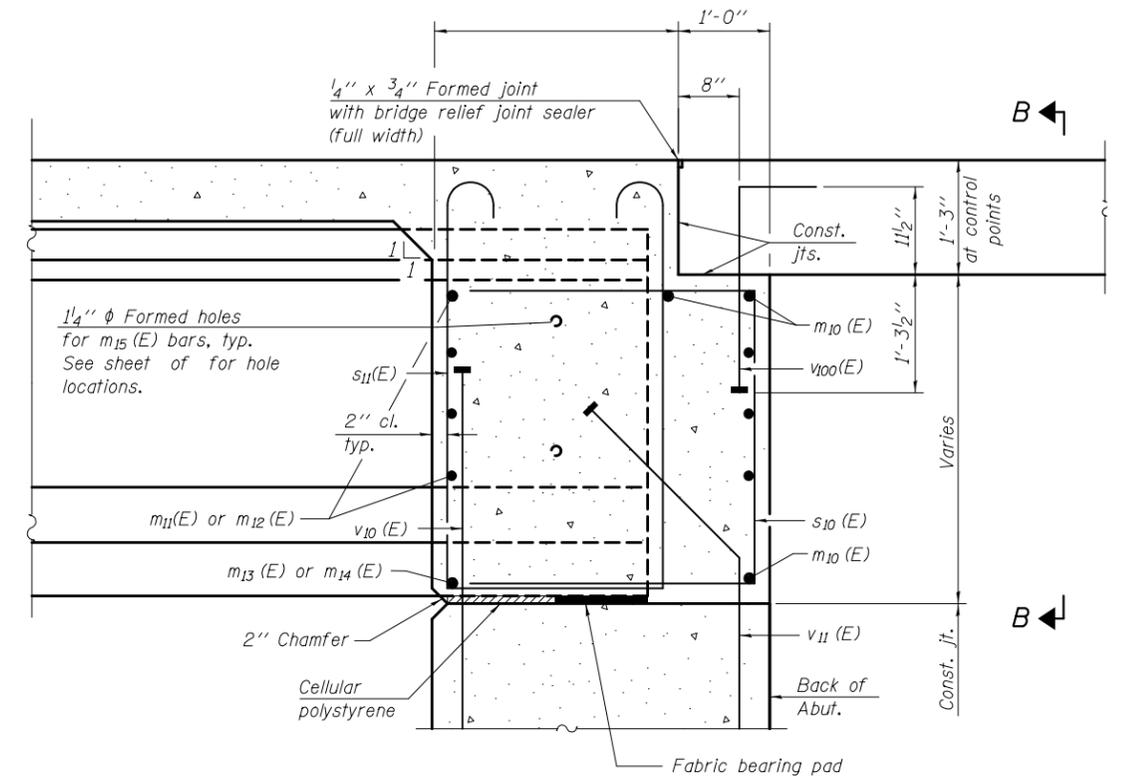
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

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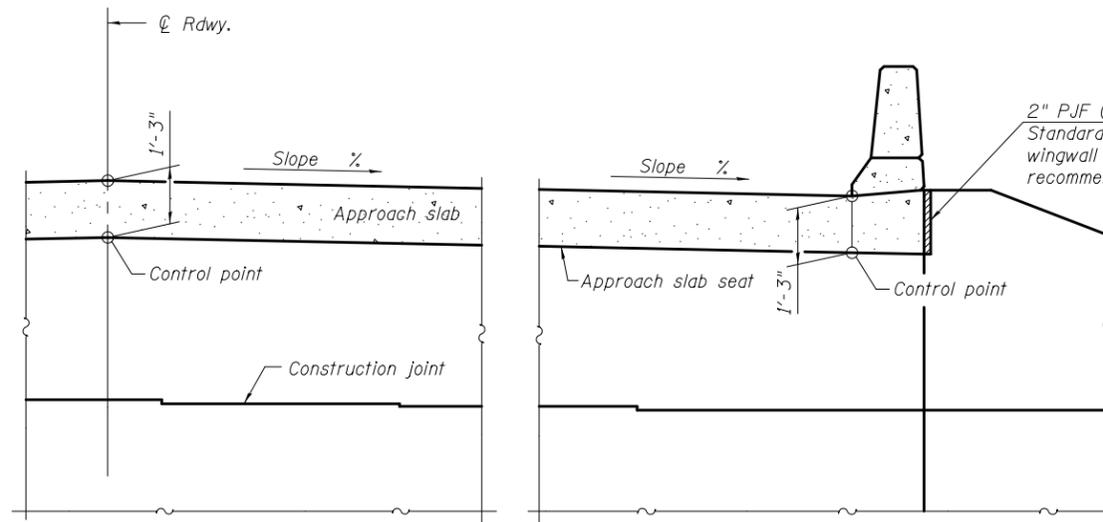
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



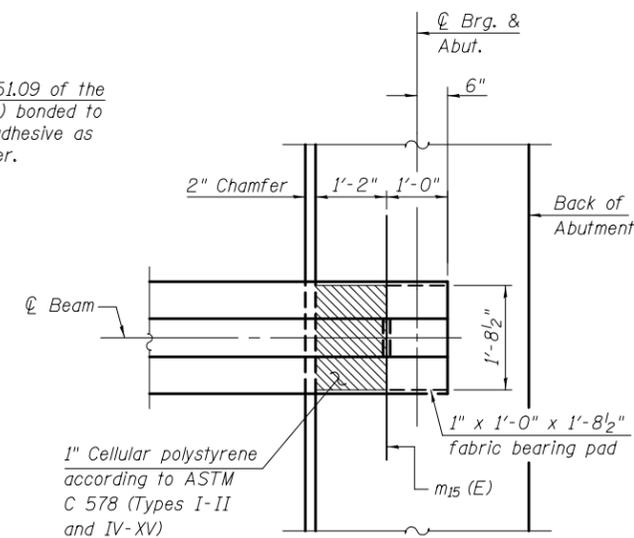
**DIAPHRAGM AT ABUTMENT**



**SECTION A-A**



**SECTION B-B**



**PLAN AT ABUTMENT**  
(Showing bottom flange of beam)

Notes:  
 Reinforcement bars in diaphragm are billed with superstructure on sheet of .  
 Concrete in diaphragm is included with Concrete Superstructure on sheet of .  
 For details of bars s<sub>10</sub>(E), s<sub>11</sub>(E) and v<sub>100</sub>(E) see sheet of .  
 The approach slab seat shall have a constant slope determined from the control points shown.  
 Cost of cellular polystyrene is included with Concrete Superstructure.  
 Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

DIA-I4854-0

10-7-2016

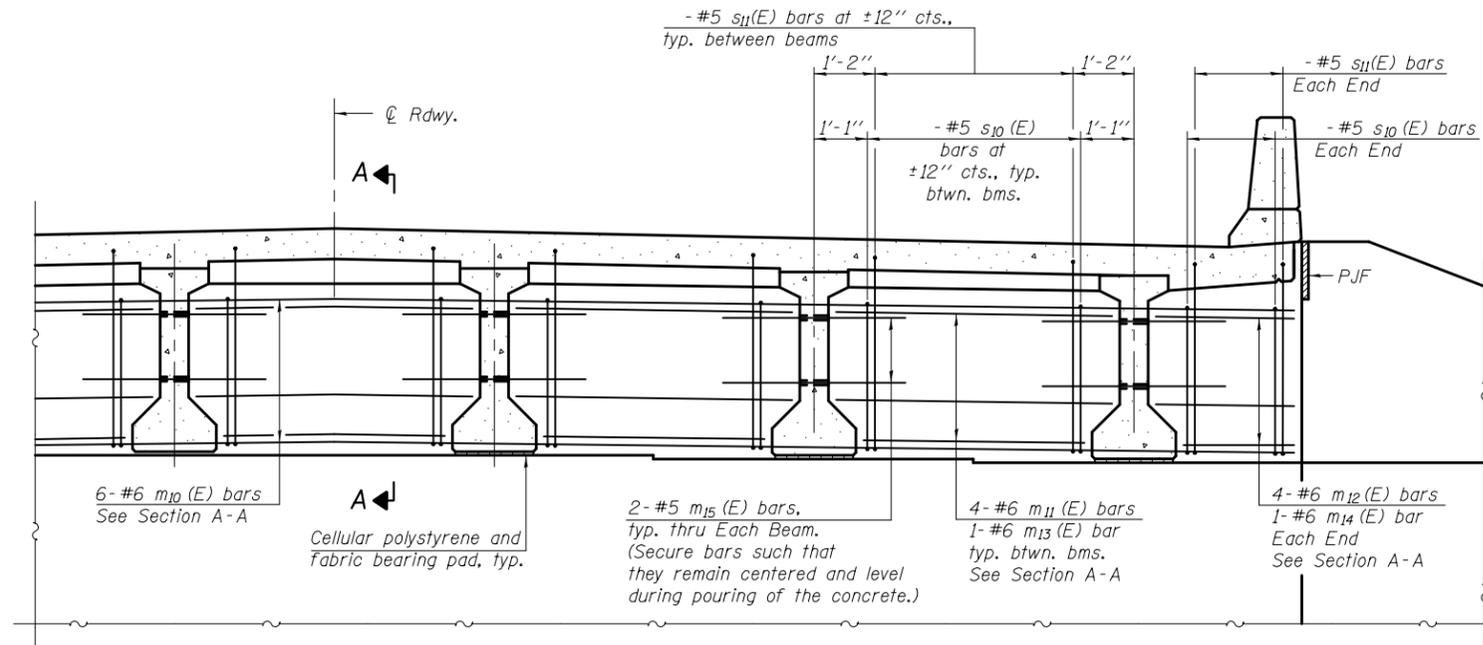
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

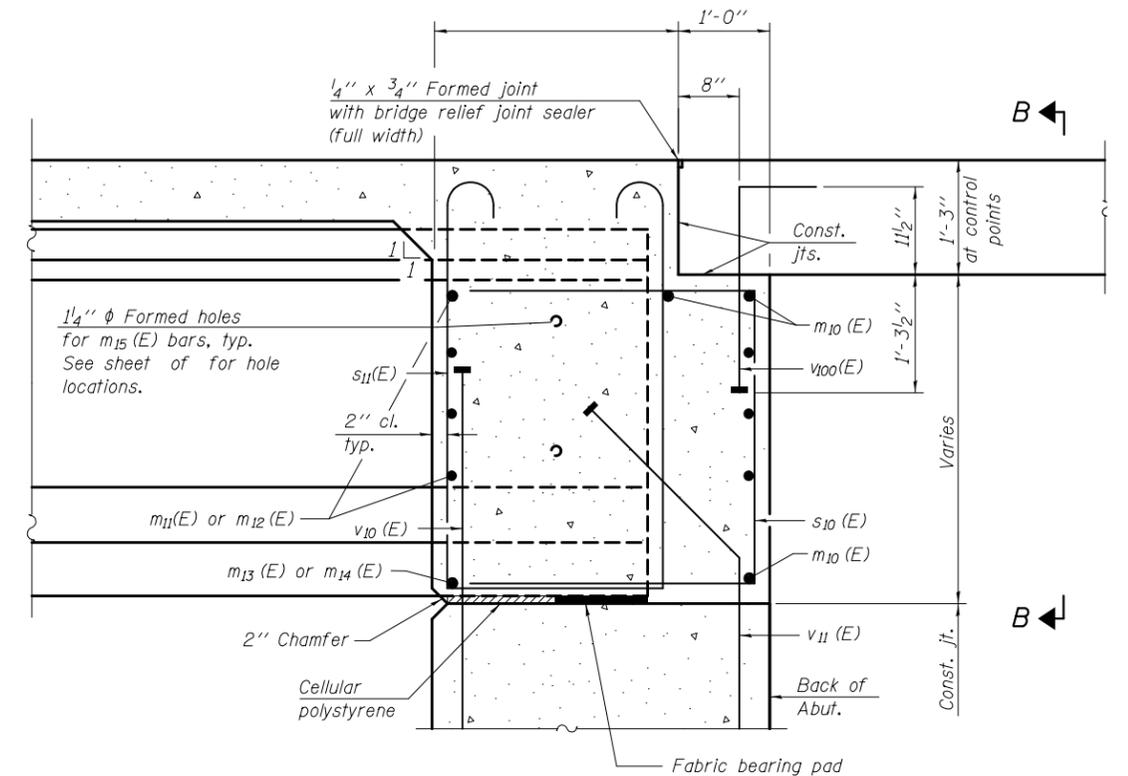
DIAPHRAGM DETAILS  
STRUCTURE NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				

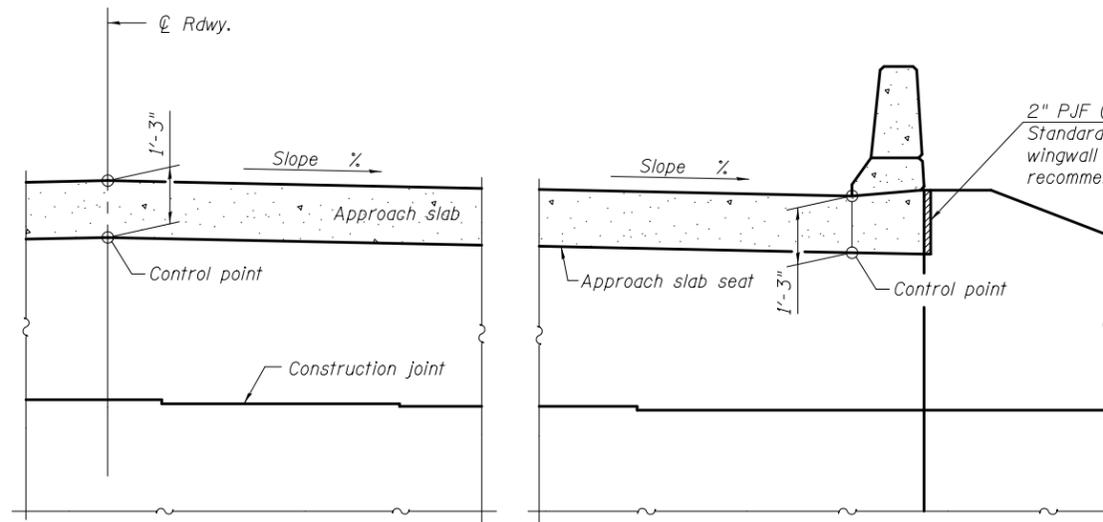
ILLINOIS FED. AID PROJECT



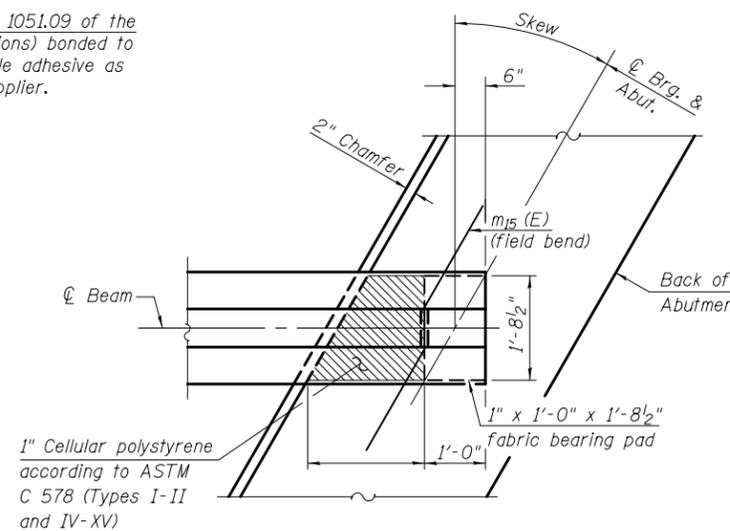
**DIAPHRAGM AT ABUTMENT**



**SECTION A-A**  
(at Rt. L's)



**SECTION B-B**



**PLAN AT ABUTMENT**  
(Showing bottom flange of beam)

Notes:  
 Reinforcement bars in diaphragm are billed with superstructure on sheet of .  
 Concrete in diaphragm is included with Concrete Superstructure on sheet of .  
 For details of bars s<sub>10</sub>(E), s<sub>11</sub>(E) and v<sub>100</sub>(E) see sheet of .  
 The s<sub>10</sub>(E) and s<sub>11</sub>(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.  
 The approach slab seat shall have a constant slope determined from the control points shown.  
 Cost of cellular polystyrene is included with Concrete Superstructure.  
 Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

DIA-I4854-L

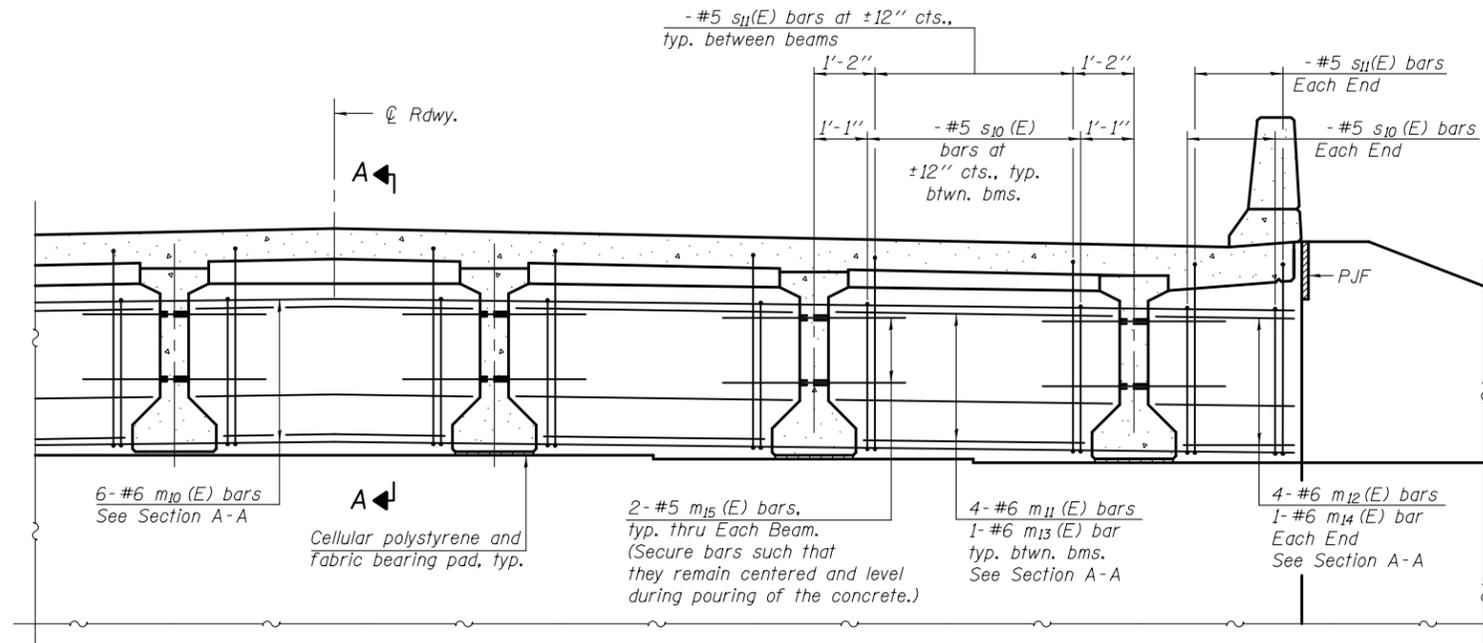
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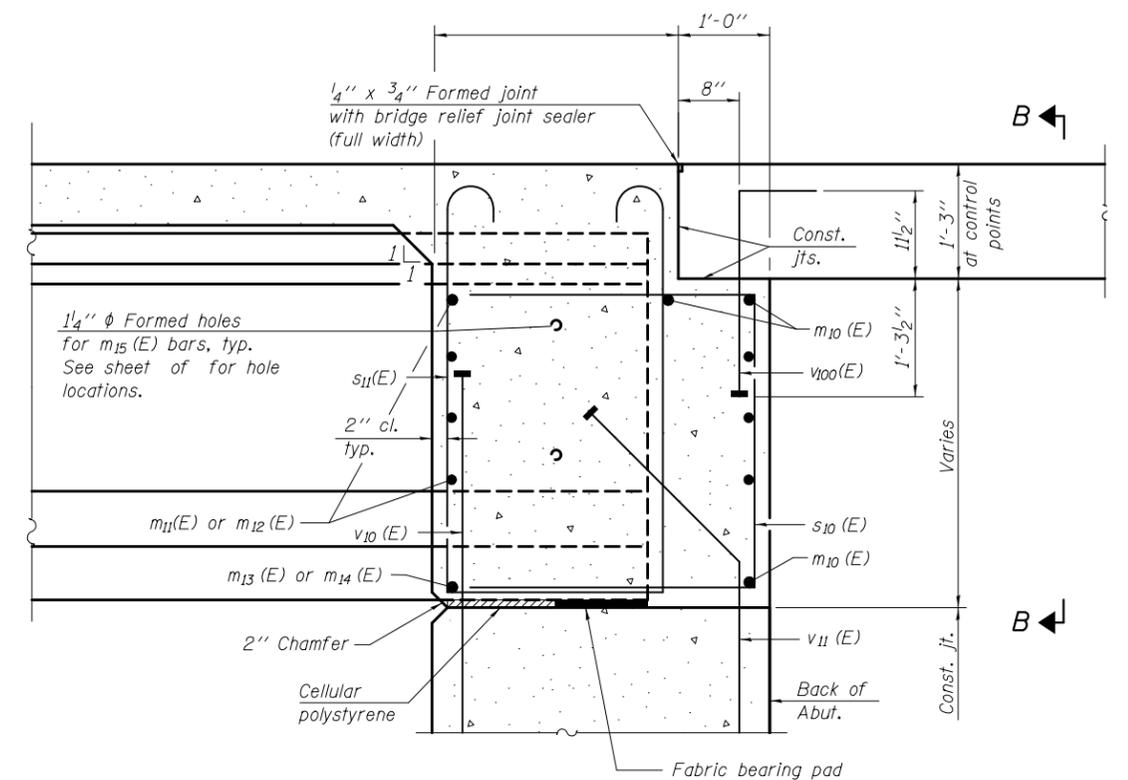
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**DIAPHRAGM DETAILS**  
**STRUCTURE NO.**

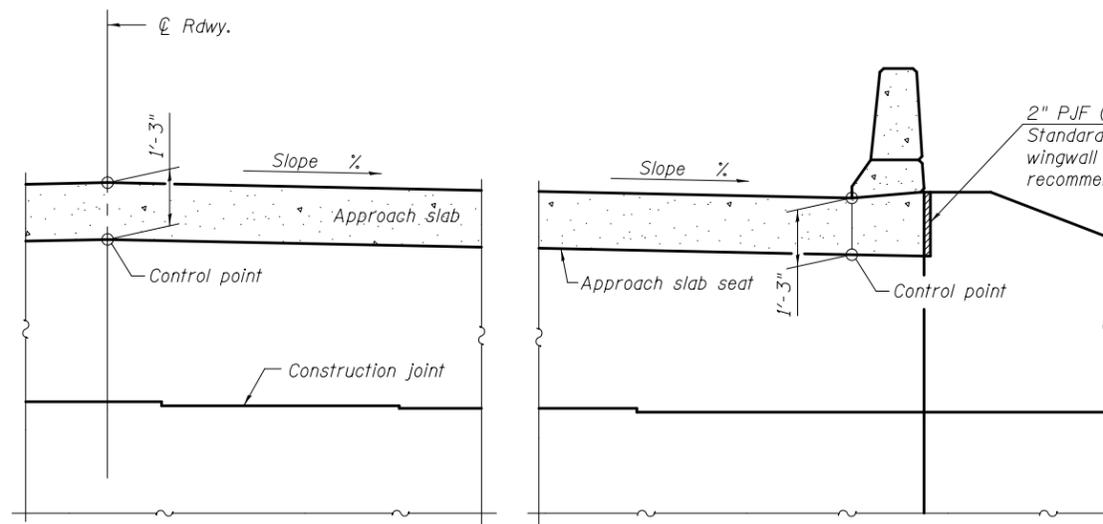
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CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



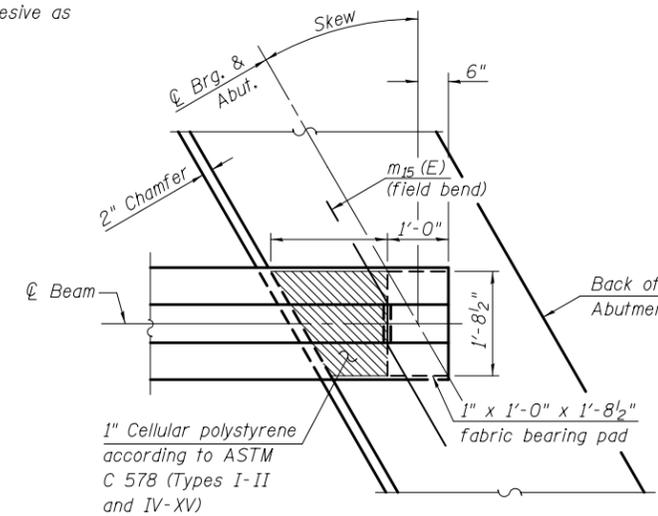
**DIAPHRAGM AT ABUTMENT**



**SECTION A-A**  
(at Rt. L's)



**SECTION B-B**



**PLAN AT ABUTMENT**  
(Showing bottom flange of beam)

Notes:  
 Reinforcement bars in diaphragm are billed with superstructure on sheet of .  
 Concrete in diaphragm is included with Concrete Superstructure on sheet of .  
 For details of bars s<sub>10</sub>(E), s<sub>11</sub>(E) and v<sub>100</sub>(E) see sheet of .  
 The s<sub>10</sub>(E) and s<sub>11</sub>(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.  
 The approach slab seat shall have a constant slope determined from the control points shown.  
 Cost of cellular polystyrene is included with Concrete Superstructure.  
 Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

DIA-I4854-R

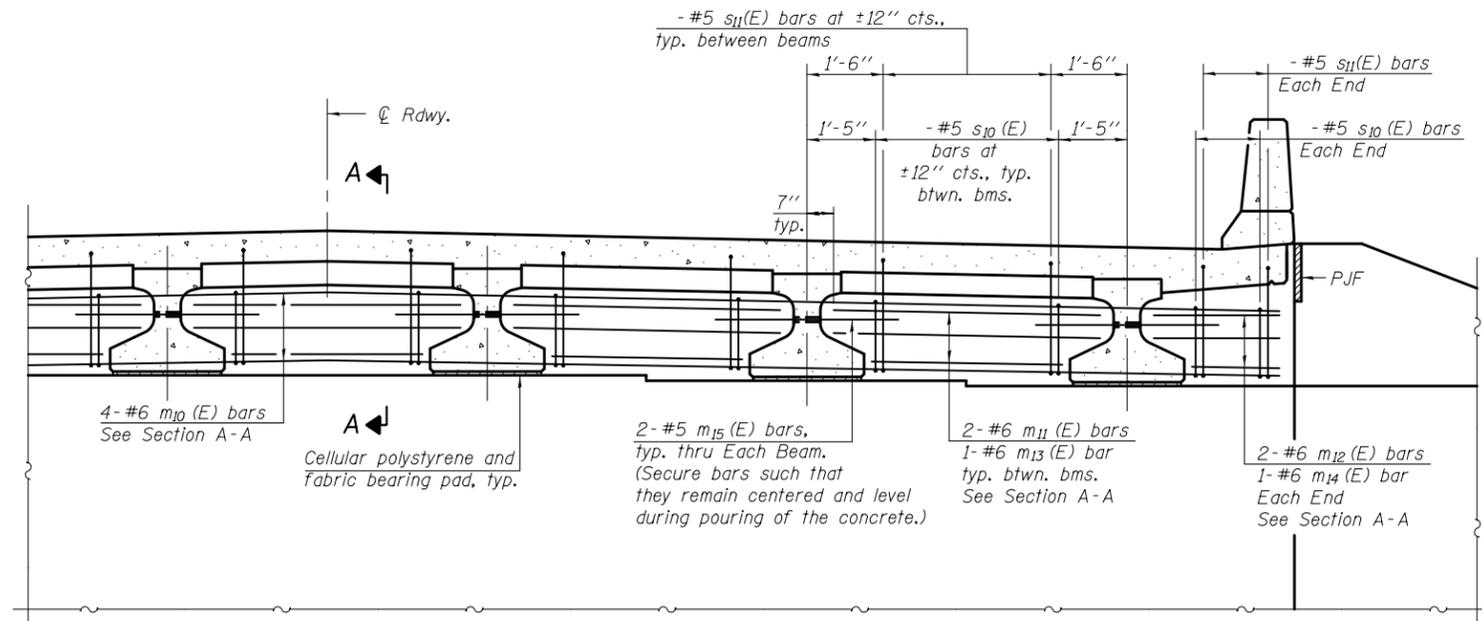
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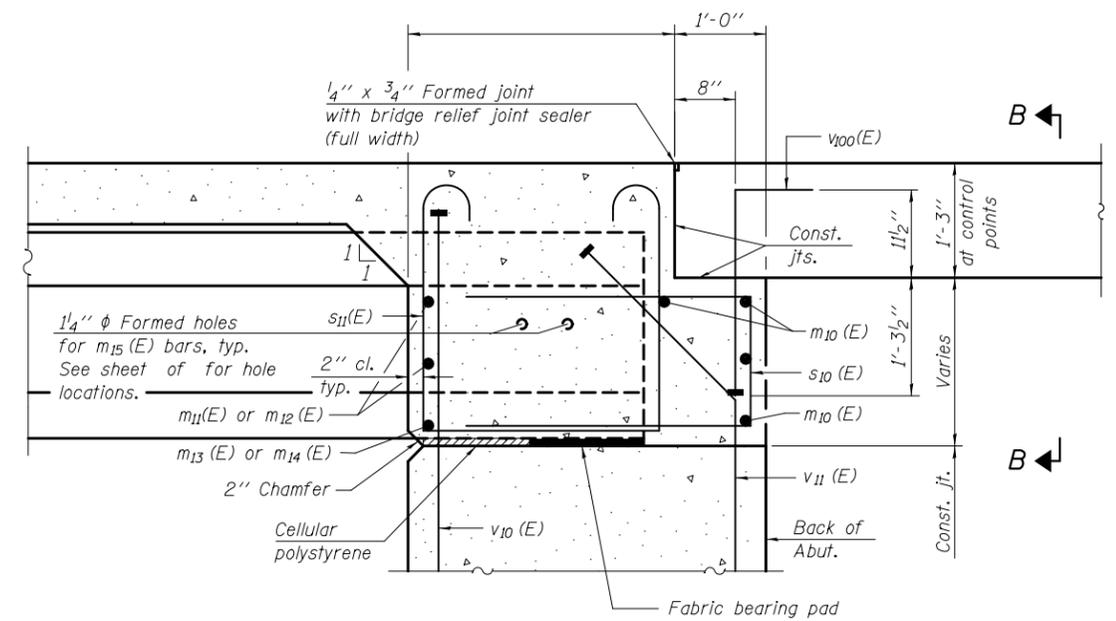
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**DIAPHRAGM DETAILS**  
**STRUCTURE NO.**

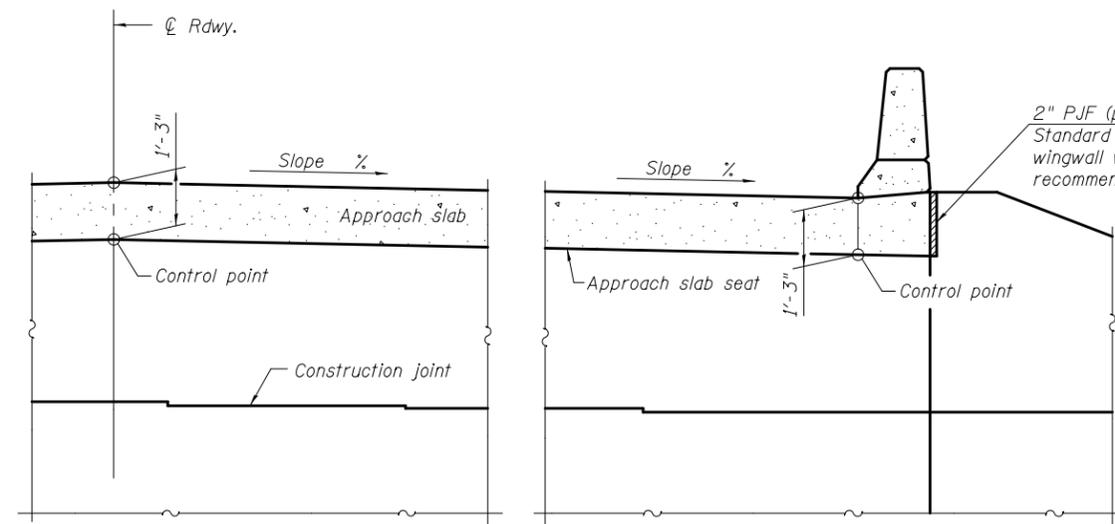
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



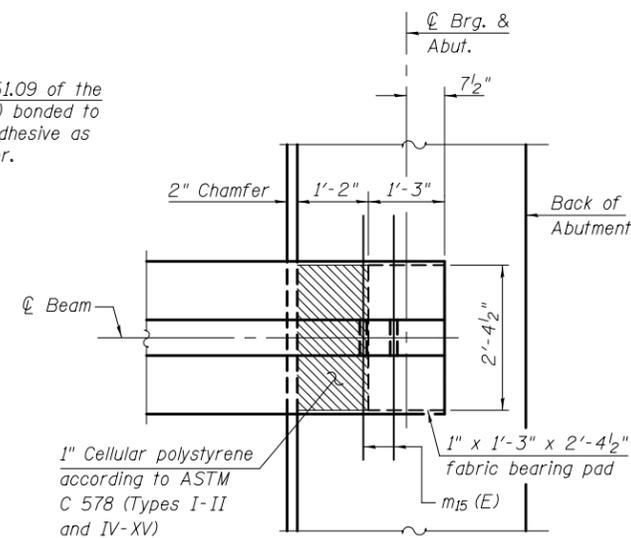
**DIAPHRAGM AT ABUTMENT**



**SECTION A-A**



**SECTION B-B**



**PLAN AT ABUTMENT**  
(Showing bottom flange of beam)

Notes:  
 Reinforcement bars in diaphragm are billed with superstructure on sheet of .  
 Concrete in diaphragm is included with Concrete Superstructure on sheet of .  
 For details of bars s<sub>10</sub>(E), s<sub>11</sub>(E) and v<sub>100</sub>(E) see sheet of .  
 The approach slab seat shall have a constant slope determined from the control points shown.  
 Cost of cellular polystyrene is included with Concrete Superstructure.  
 Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

DIA-IL27-0

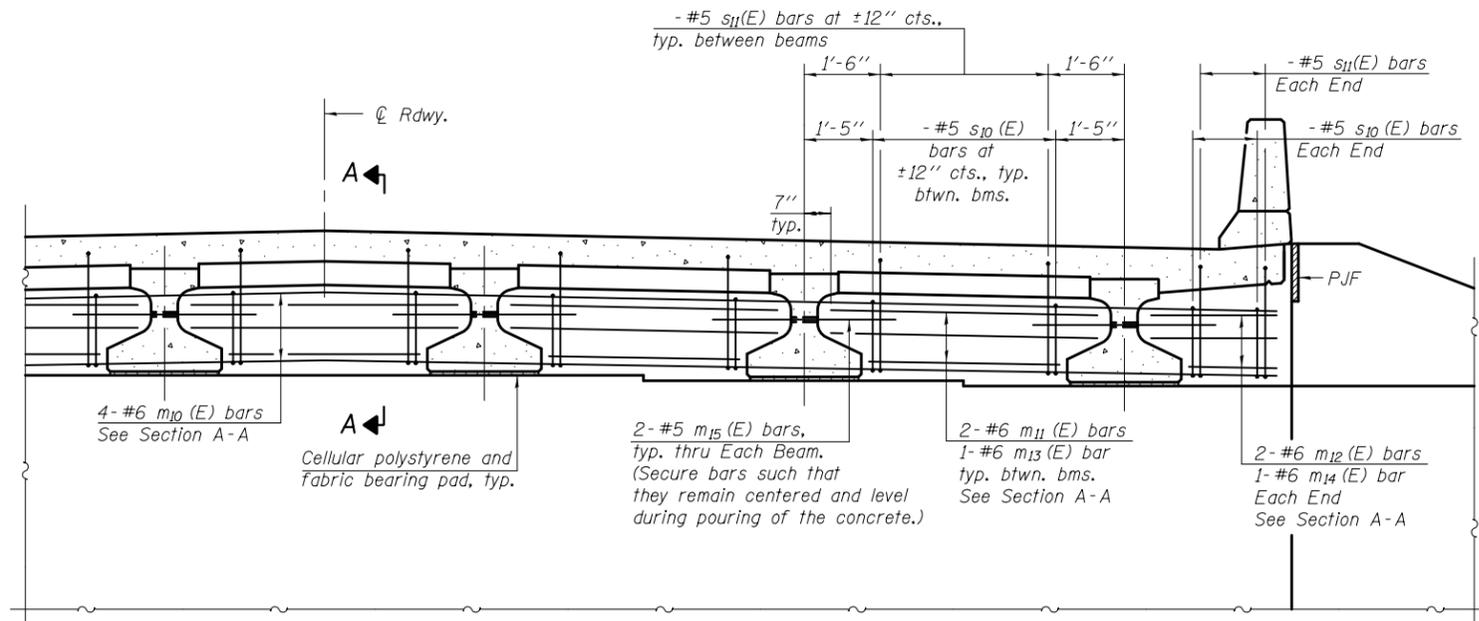
10-7-2016

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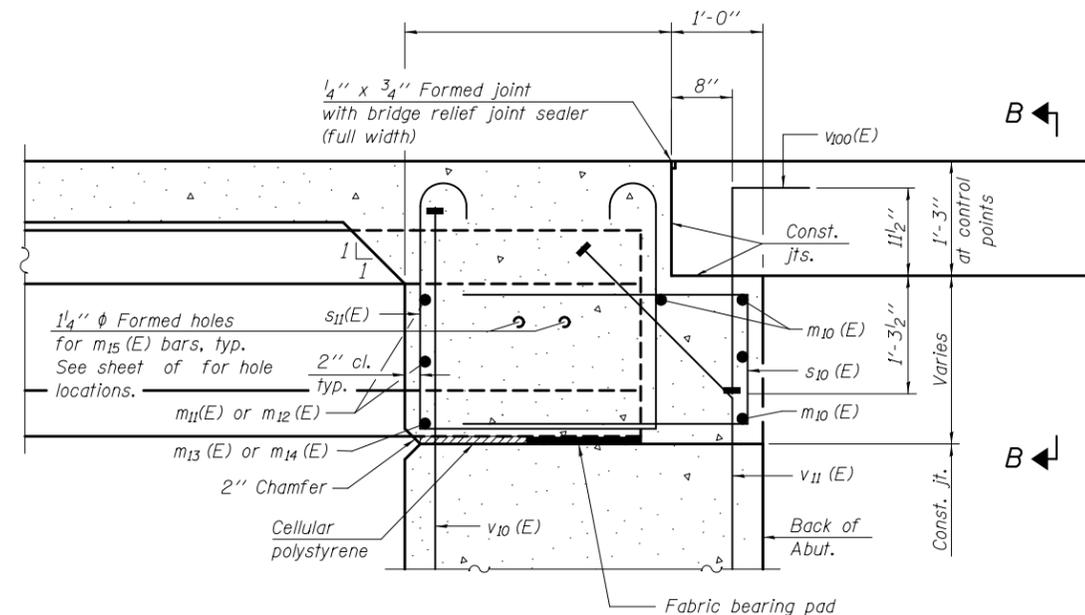
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DEPARTMENT OF TRANSPORTATION

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STRUCTURE NO.

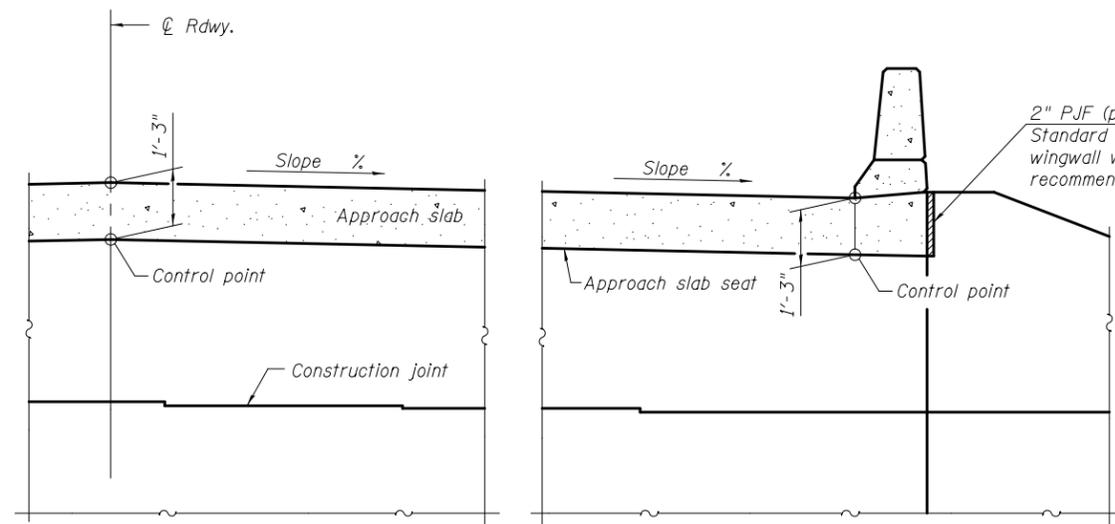
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CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



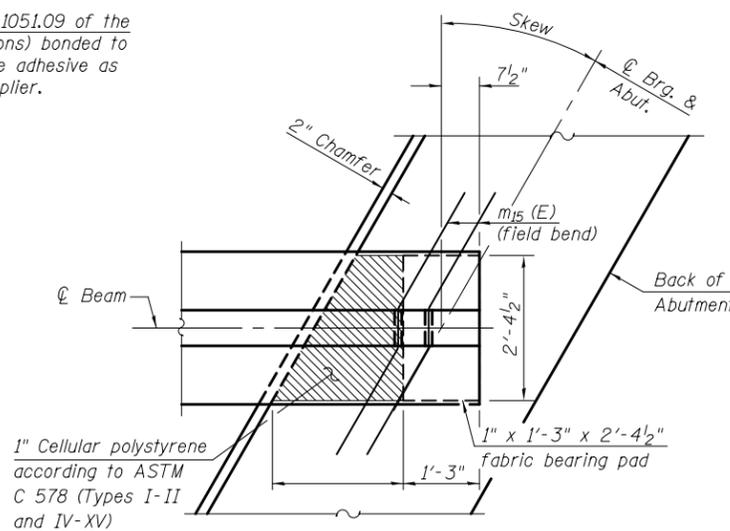
**DIAPHRAGM AT ABUTMENT**



**SECTION A-A**  
(at Rt. L's)



**SECTION B-B**



**PLAN AT ABUTMENT**  
(Showing bottom flange of beam)

Notes:  
 Reinforcement bars in diaphragm are billed with superstructure on sheet of .  
 Concrete in diaphragm is included with Concrete Superstructure on sheet of .  
 For details of bars s10(E), s11(E) and v100(E) see sheet of .  
 The s10(E) and s11(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.  
 The approach slab seat shall have a constant slope determined from the control points shown.  
 Cost of cellular polystyrene is included with Concrete Superstructure.  
 Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

DIA-IL27-L

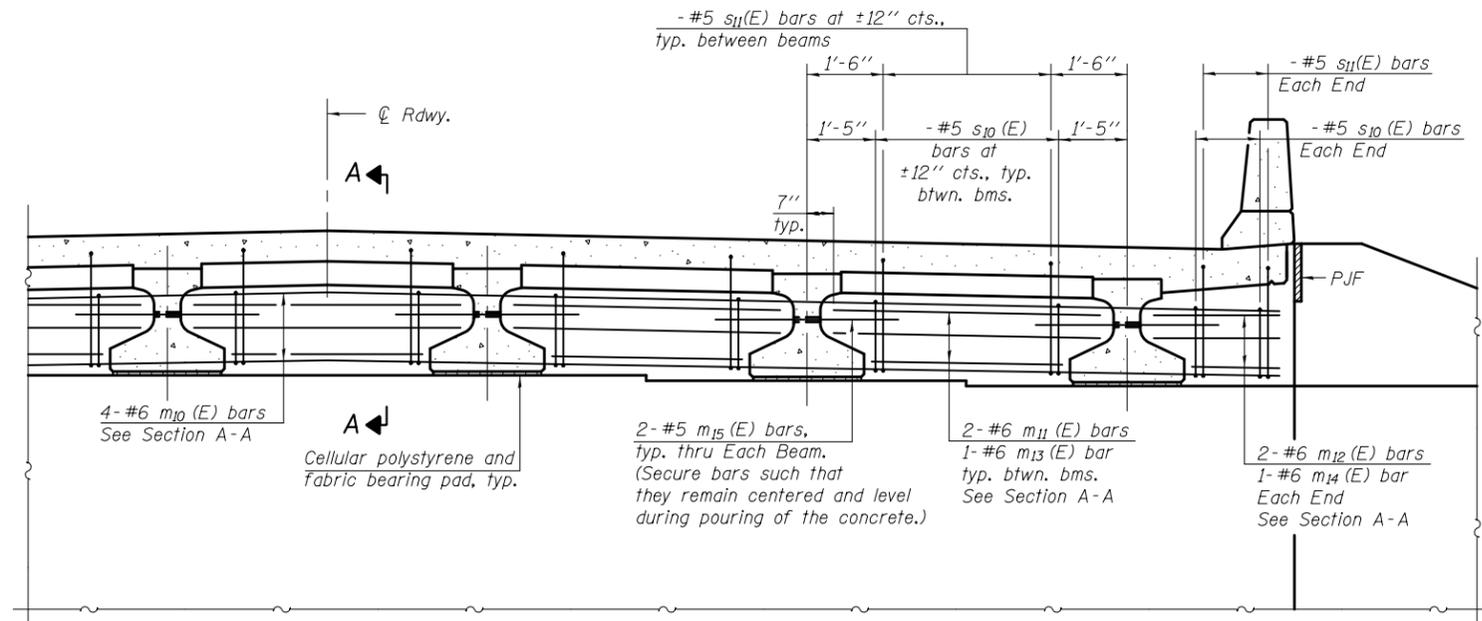
10-7-2016

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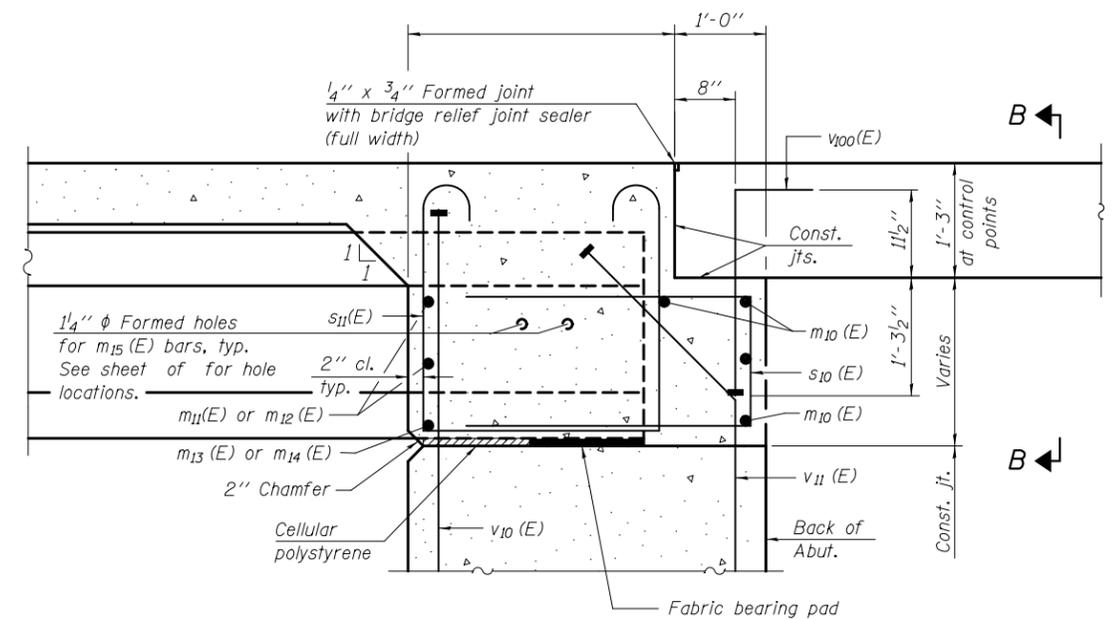
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**DEPARTMENT OF TRANSPORTATION**

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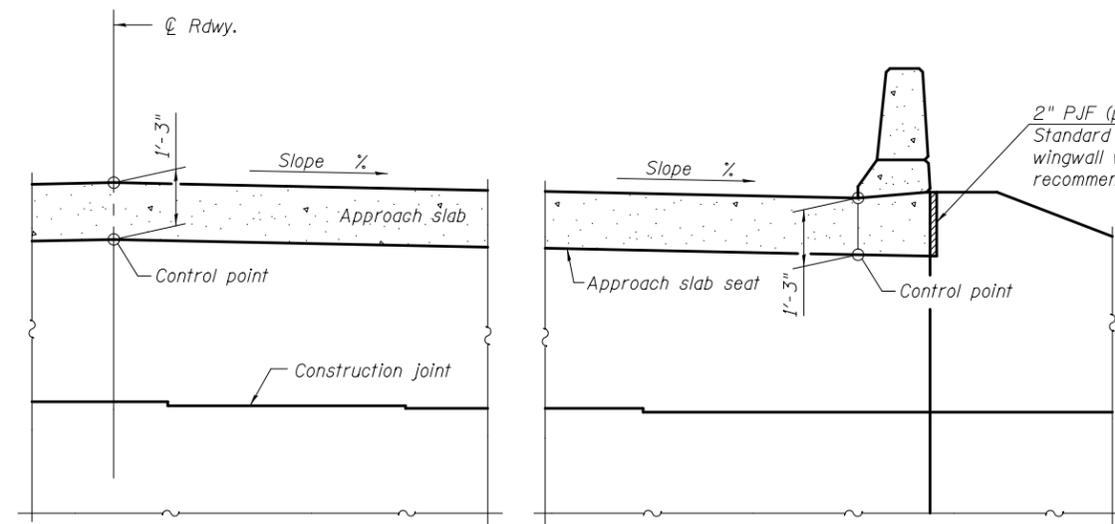
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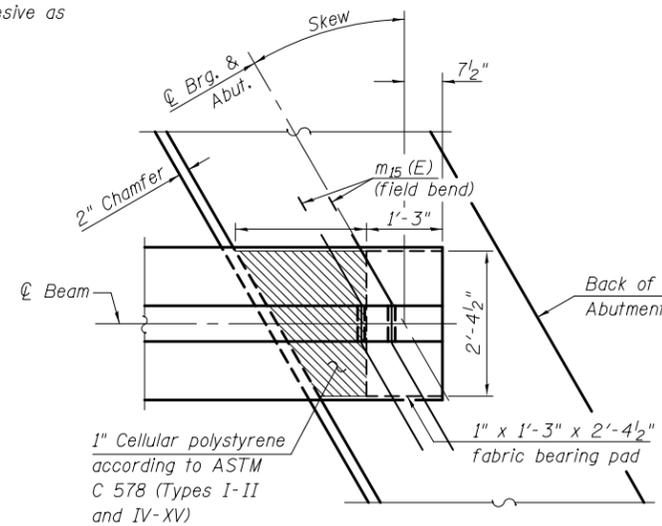
**DIAPHRAGM AT ABUTMENT**



**SECTION A-A**  
(at Rt. L's)



**SECTION B-B**



**PLAN AT ABUTMENT**  
(Showing bottom flange of beam)

Notes:  
 Reinforcement bars in diaphragm are billed with superstructure on sheet of .  
 Concrete in diaphragm is included with Concrete Superstructure on sheet of .  
 For details of bars s<sub>10</sub>(E), s<sub>11</sub>(E) and v<sub>100</sub>(E) see sheet of .  
 The s<sub>10</sub>(E) and s<sub>11</sub>(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.  
 The approach slab seat shall have a constant slope determined from the control points shown.  
 Cost of cellular polystyrene is included with Concrete Superstructure.  
 Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

DIA-IL27-R

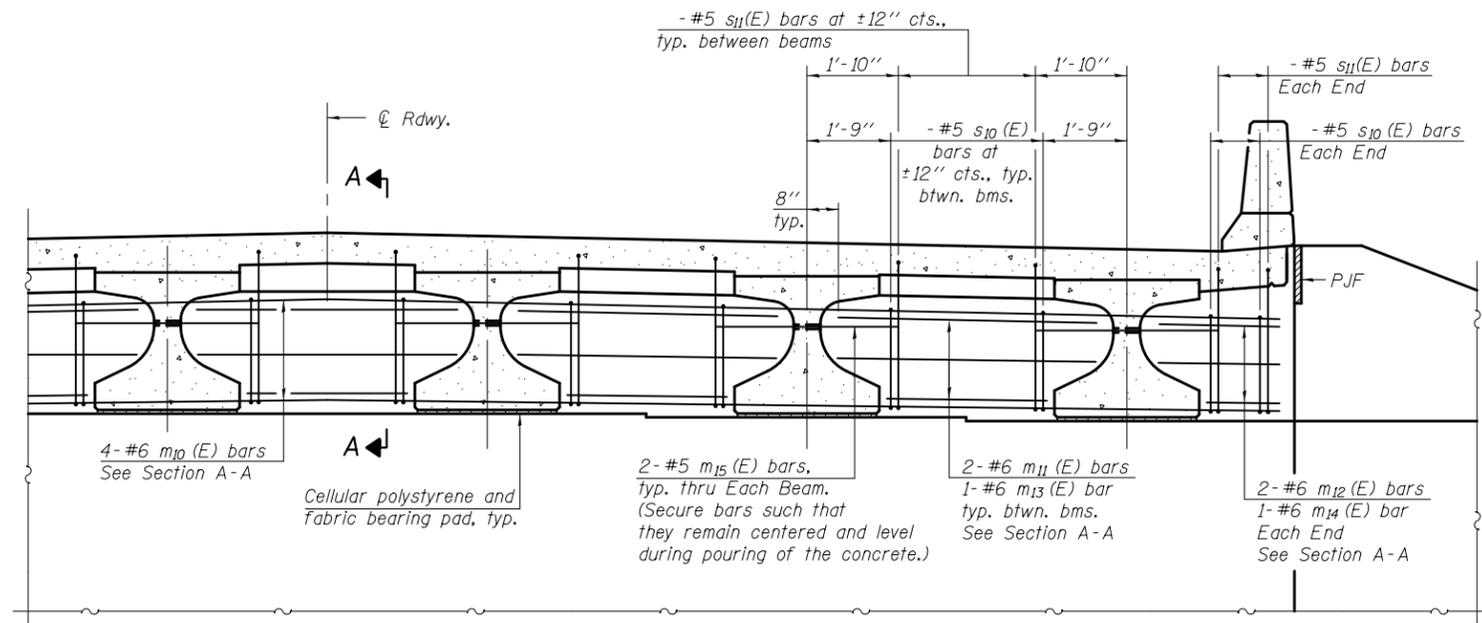
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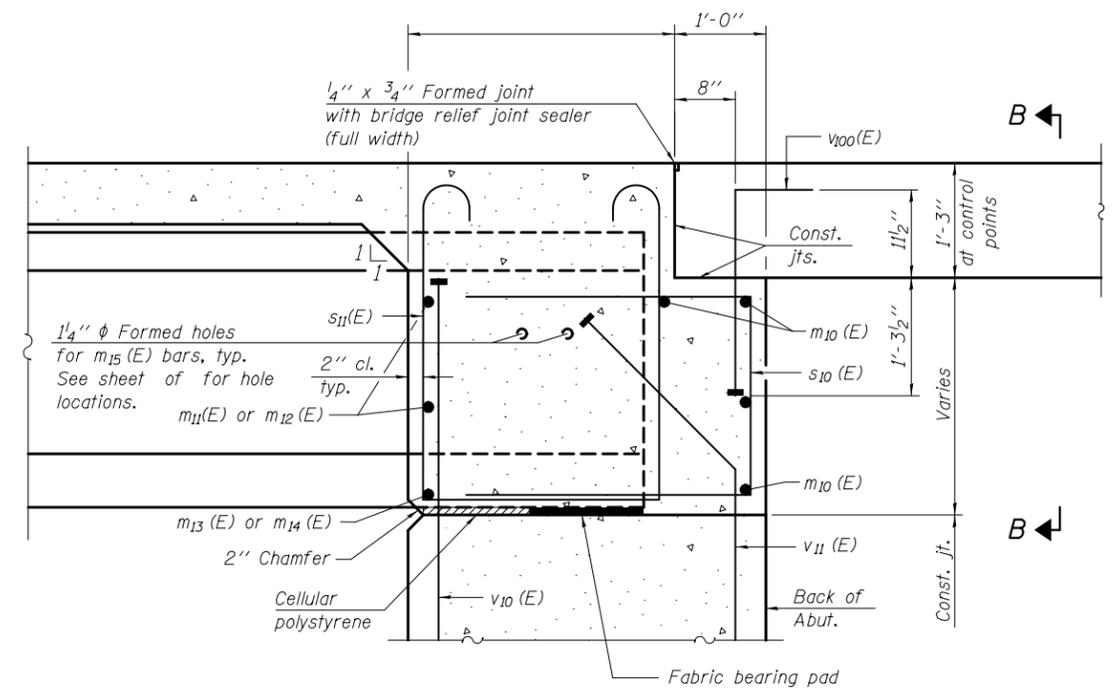
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**DEPARTMENT OF TRANSPORTATION**

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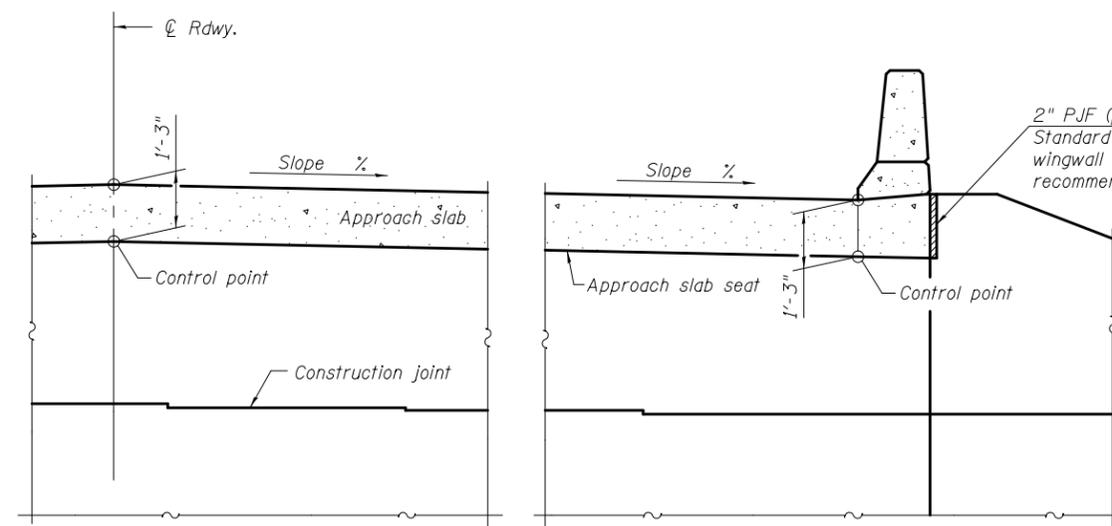
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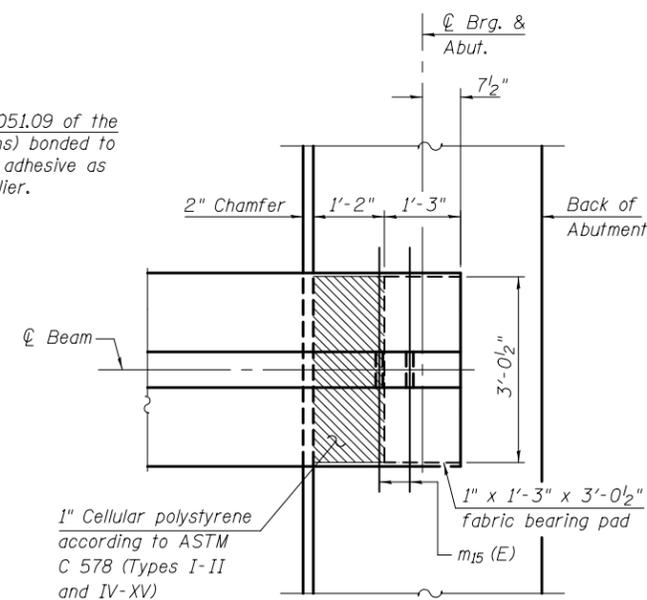
**DIAPHRAGM AT ABUTMENT**



**SECTION A-A**



**SECTION B-B**



**PLAN AT ABUTMENT**

(Showing bottom flange of beam)

**Notes:**

- Reinforcement bars in diaphragm are billed with superstructure on sheet of .
- Concrete in diaphragm is included with Concrete Superstructure on sheet of .
- For details of bars s<sub>10</sub>(E), s<sub>11</sub>(E) and v<sub>100</sub>(E) see sheet of .
- The approach slab seat shall have a constant slope determined from the control points shown.
- Cost of cellular polystyrene is included with Concrete Superstructure.
- Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

DIA-IL36-0

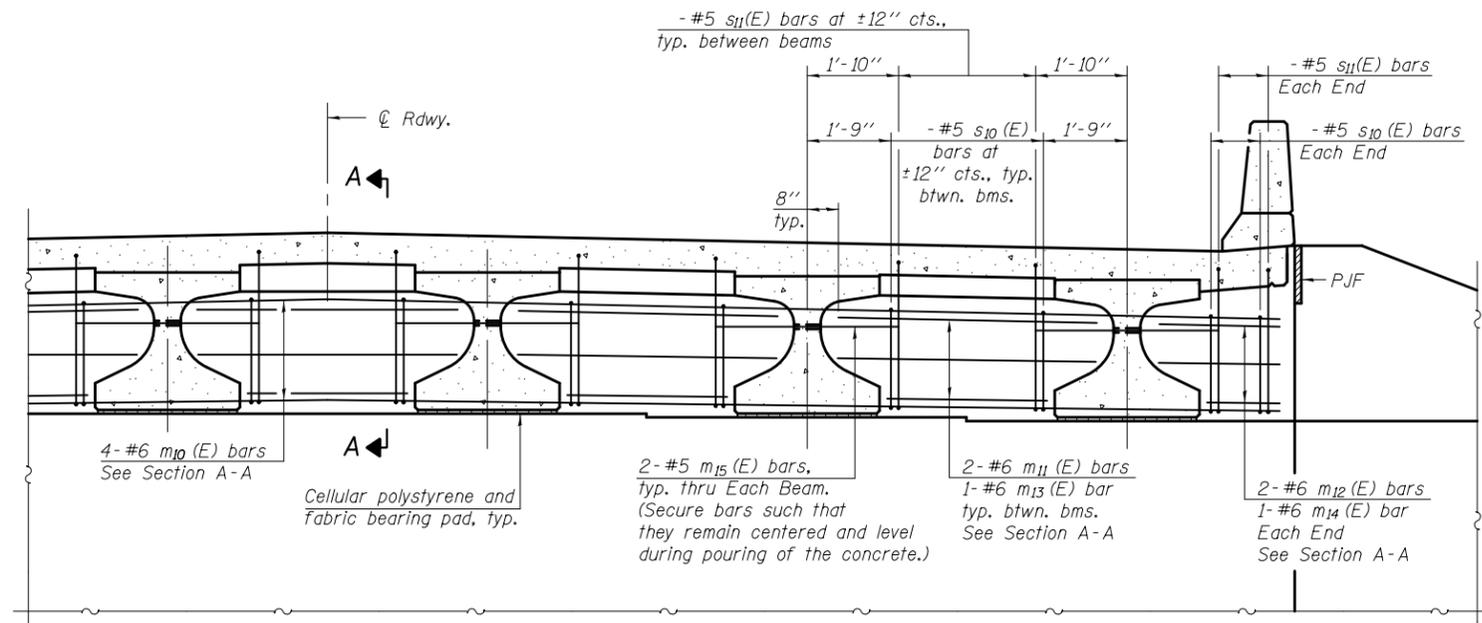
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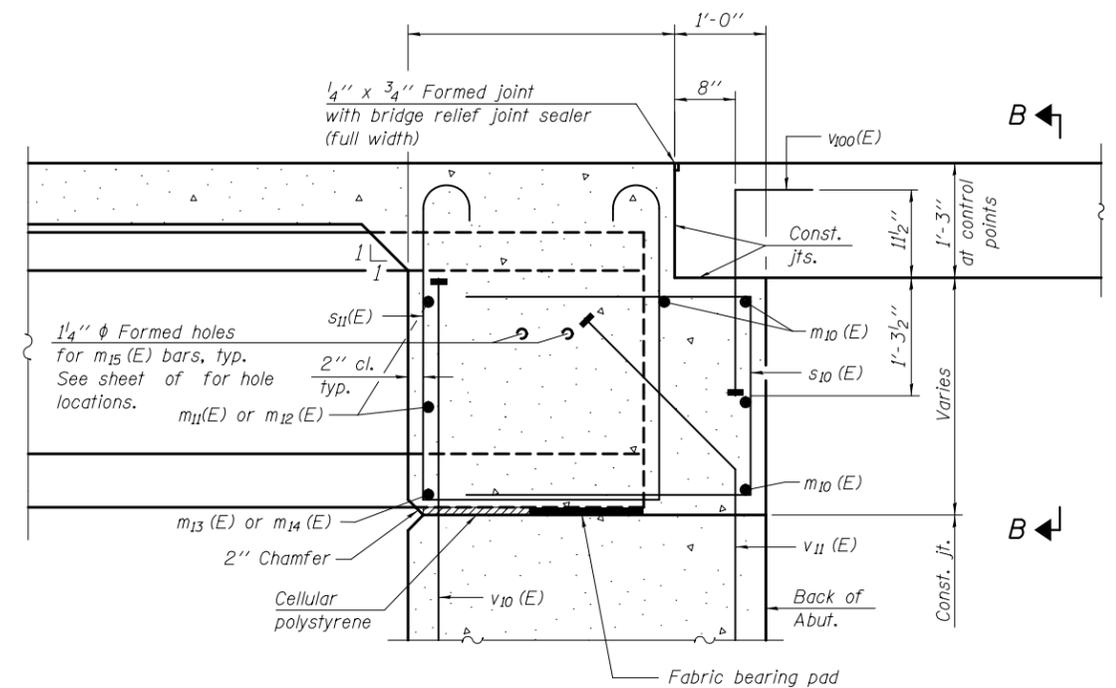
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DEPARTMENT OF TRANSPORTATION**

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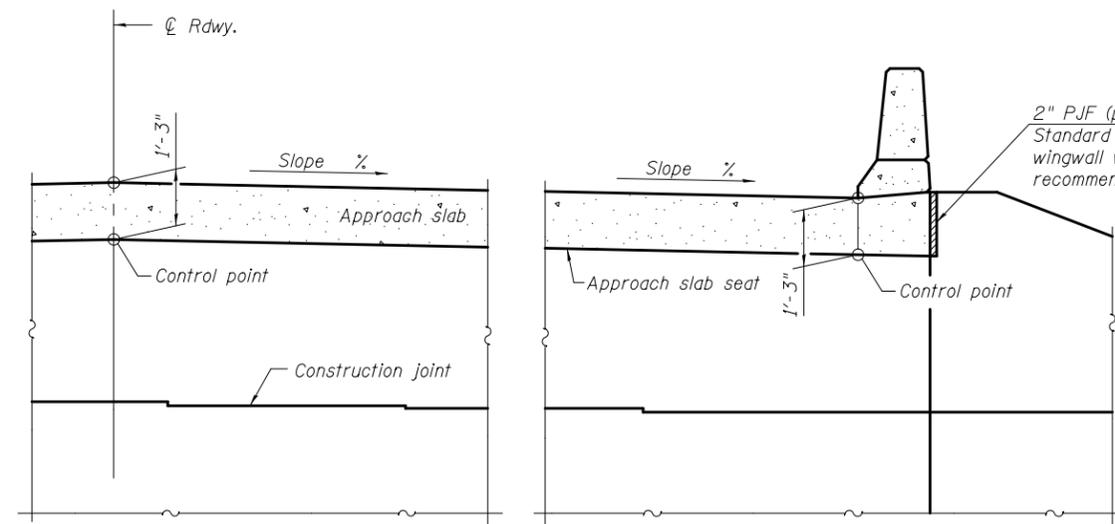
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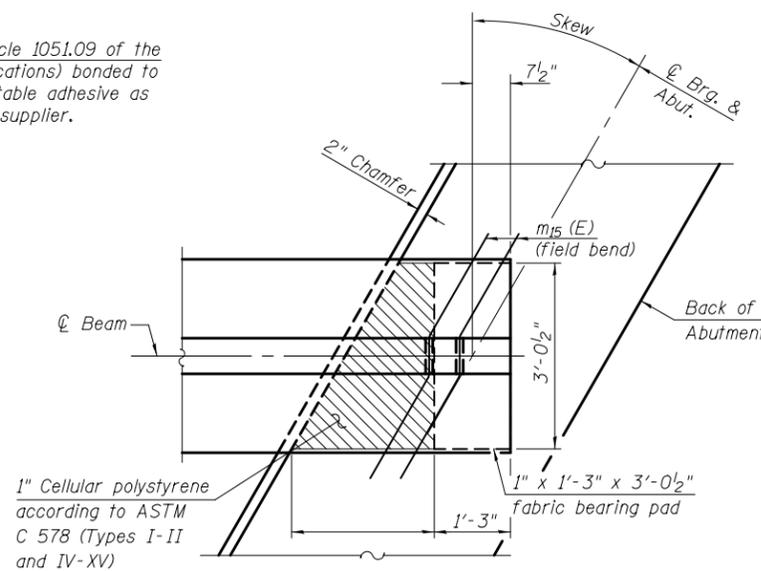
**DIAPHRAGM AT ABUTMENT**



**SECTION A-A**  
(at Rt. L's)



**SECTION B-B**



**PLAN AT ABUTMENT**  
(Showing bottom flange of beam)

Notes:  
 Reinforcement bars in diaphragm are billed with superstructure on sheet of .  
 Concrete in diaphragm is included with Concrete Superstructure on sheet of .  
 For details of bars s<sub>10</sub>(E), s<sub>11</sub>(E) and v<sub>100</sub>(E) see sheet of .  
 The s<sub>10</sub>(E) and s<sub>11</sub>(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.  
 The approach slab seat shall have a constant slope determined from the control points shown.  
 Cost of cellular polystyrene is included with Concrete Superstructure.  
 Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

DIA-IL36-L

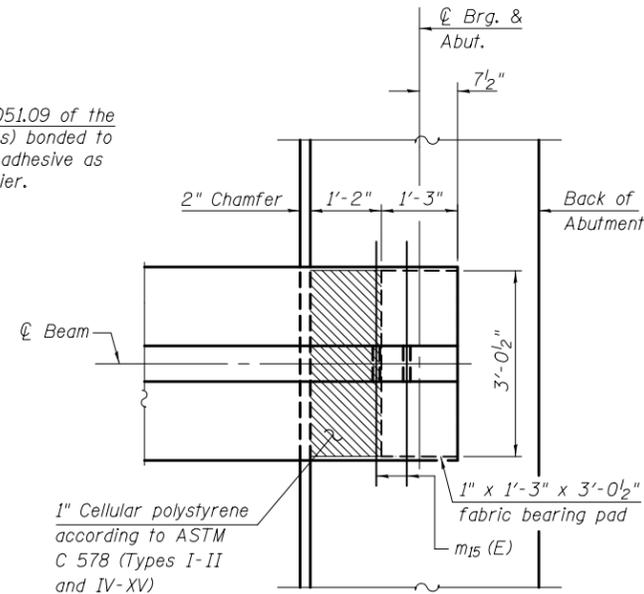
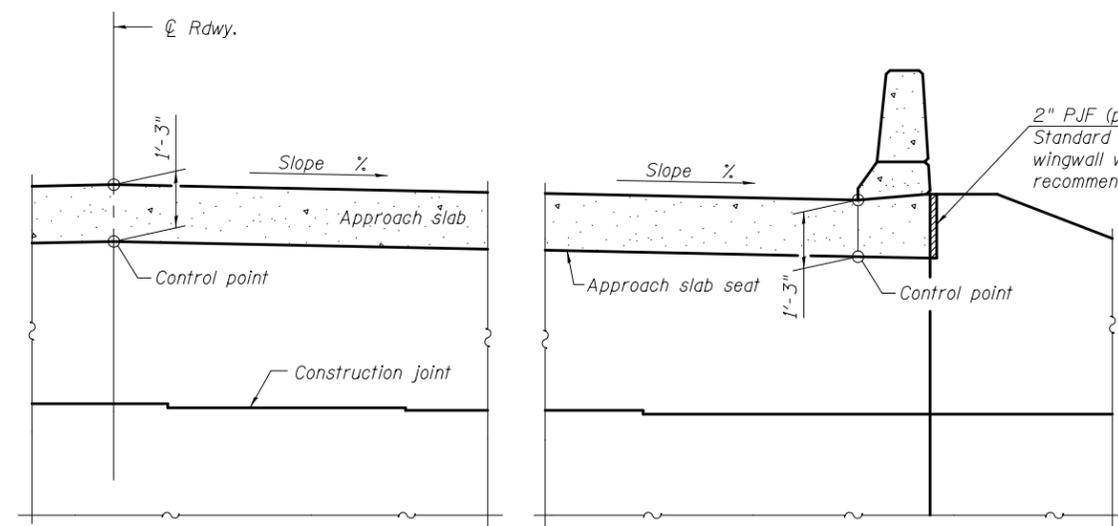
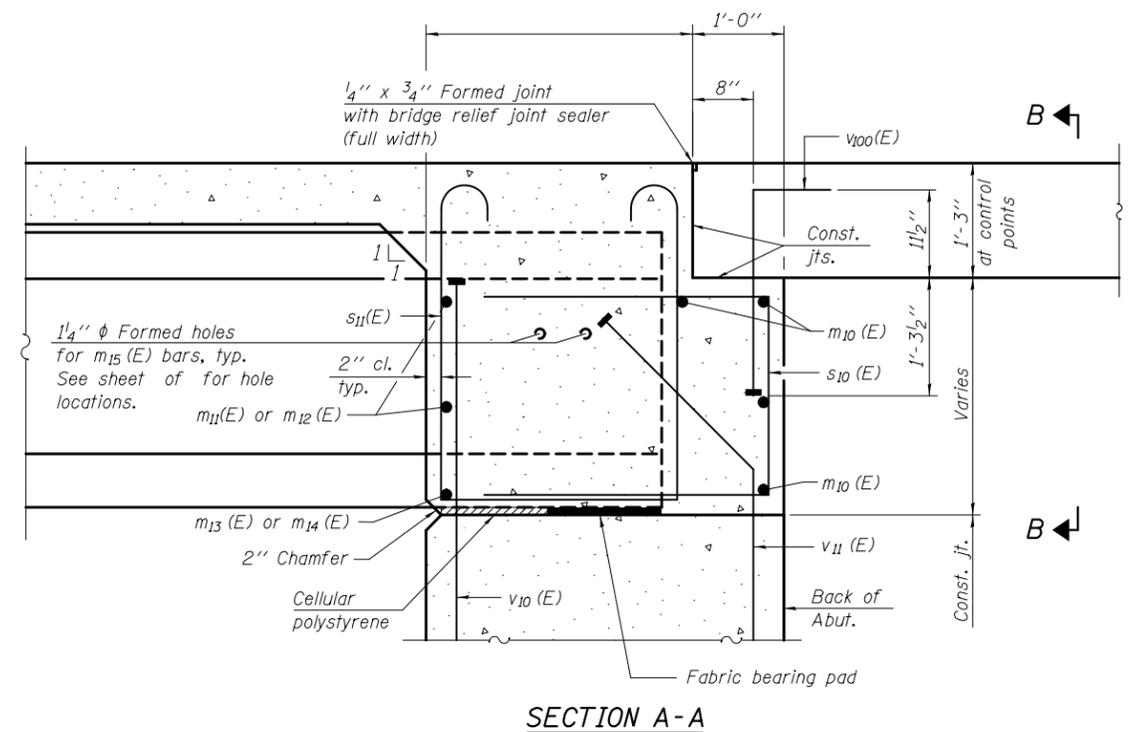
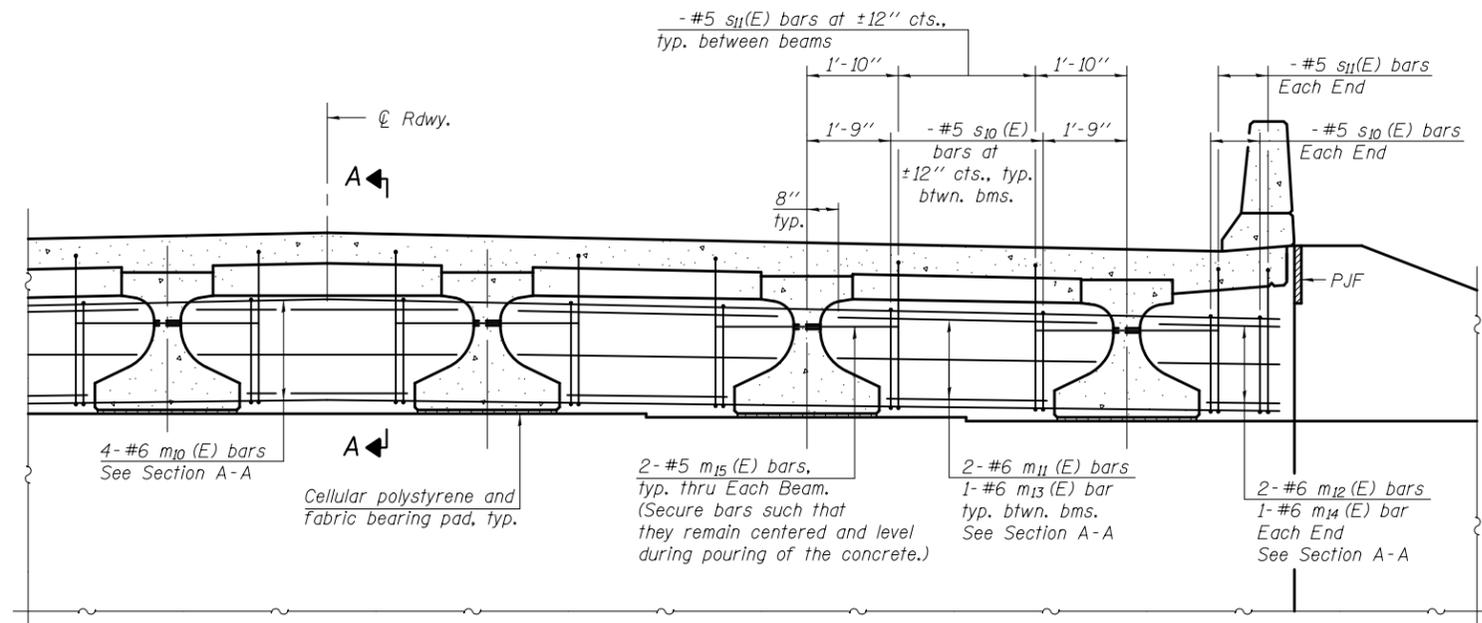
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**DIAPHRAGM DETAILS**  
**STRUCTURE NO.**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



**Notes:**  
 Reinforcement bars in diaphragm are billed with superstructure on sheet of .  
 Concrete in diaphragm is included with Concrete Superstructure on sheet of .  
 For details of bars s<sub>10</sub>(E), s<sub>11</sub>(E) and v<sub>100</sub>(E) see sheet of .  
 The approach slab seat shall have a constant slope determined from the control points shown.  
 Cost of cellular polystyrene is included with Concrete Superstructure.  
 Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

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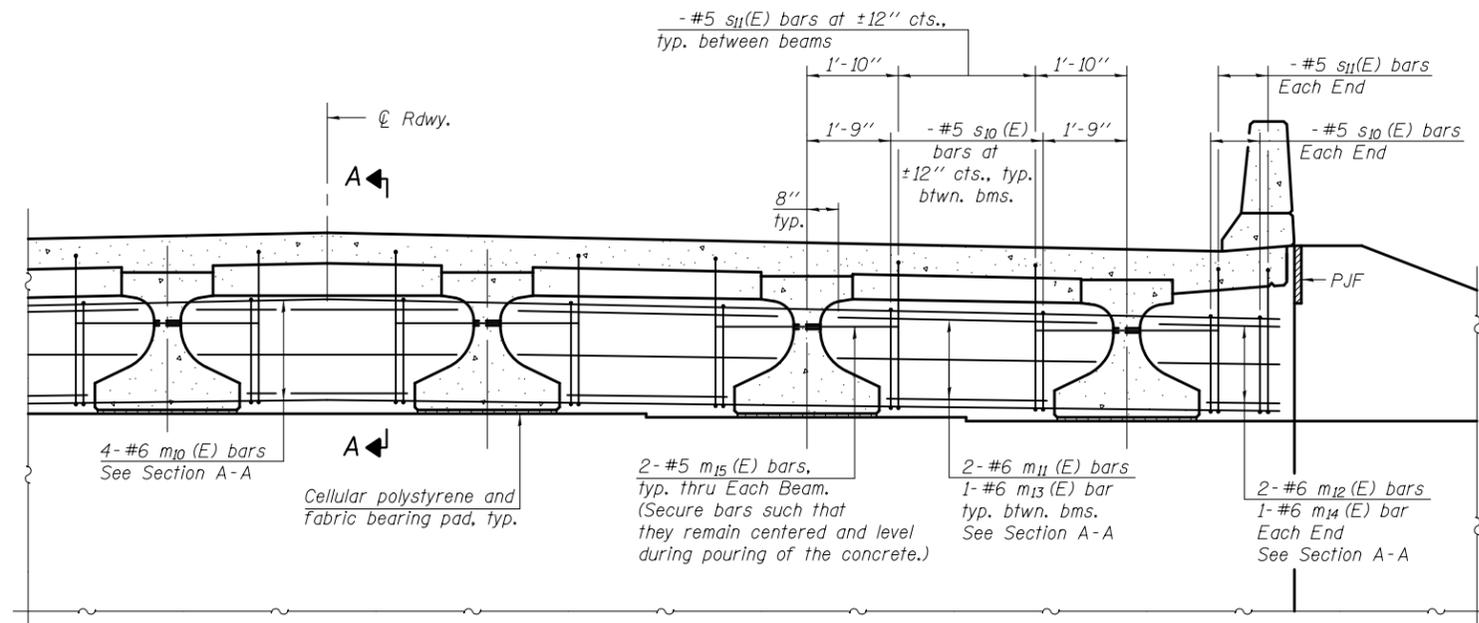
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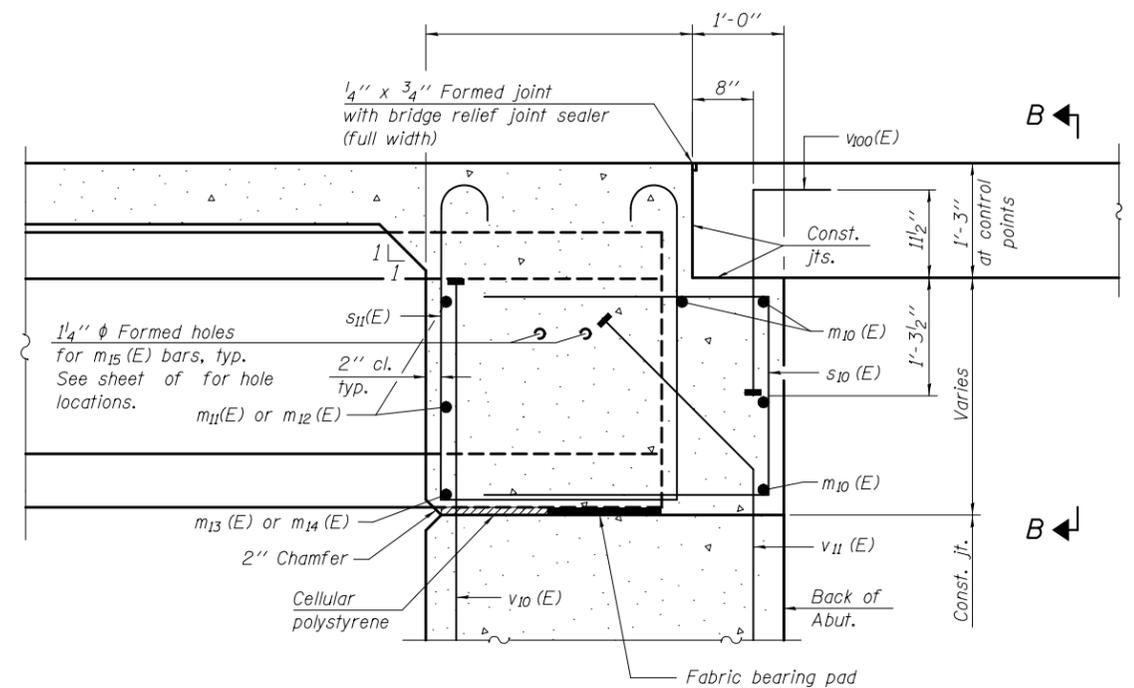
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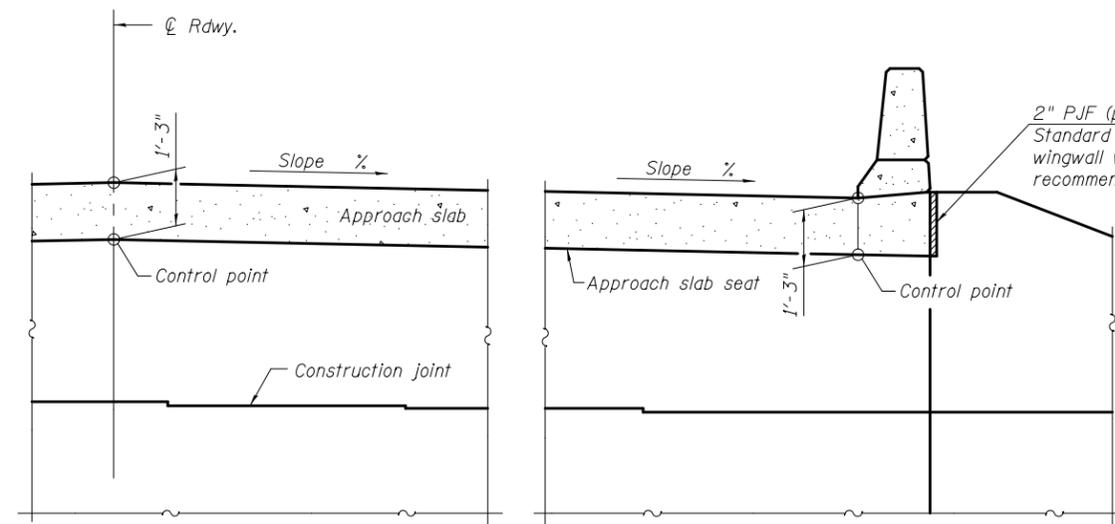
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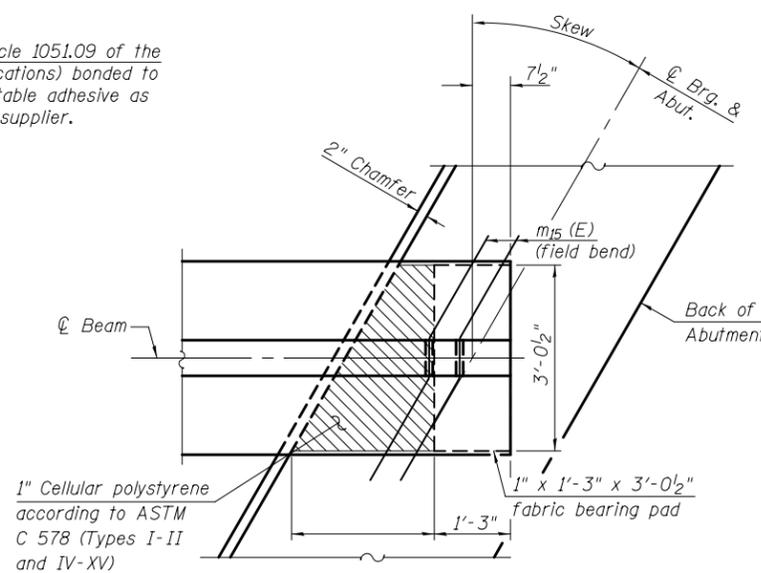
**DIAPHRAGM AT ABUTMENT**



**SECTION A-A**  
(at Rt. L's)



**SECTION B-B**



**PLAN AT ABUTMENT**  
(Showing bottom flange of beam)

Notes:  
 Reinforcement bars in diaphragm are billed with superstructure on sheet of .  
 Concrete in diaphragm is included with Concrete Superstructure on sheet of .  
 For details of bars s10(E), s11(E) and v100(E) see sheet of .  
 The s10(E) and s11(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.  
 The approach slab seat shall have a constant slope determined from the control points shown.  
 Cost of cellular polystyrene is included with Concrete Superstructure.  
 Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

DIA-IL36N-L

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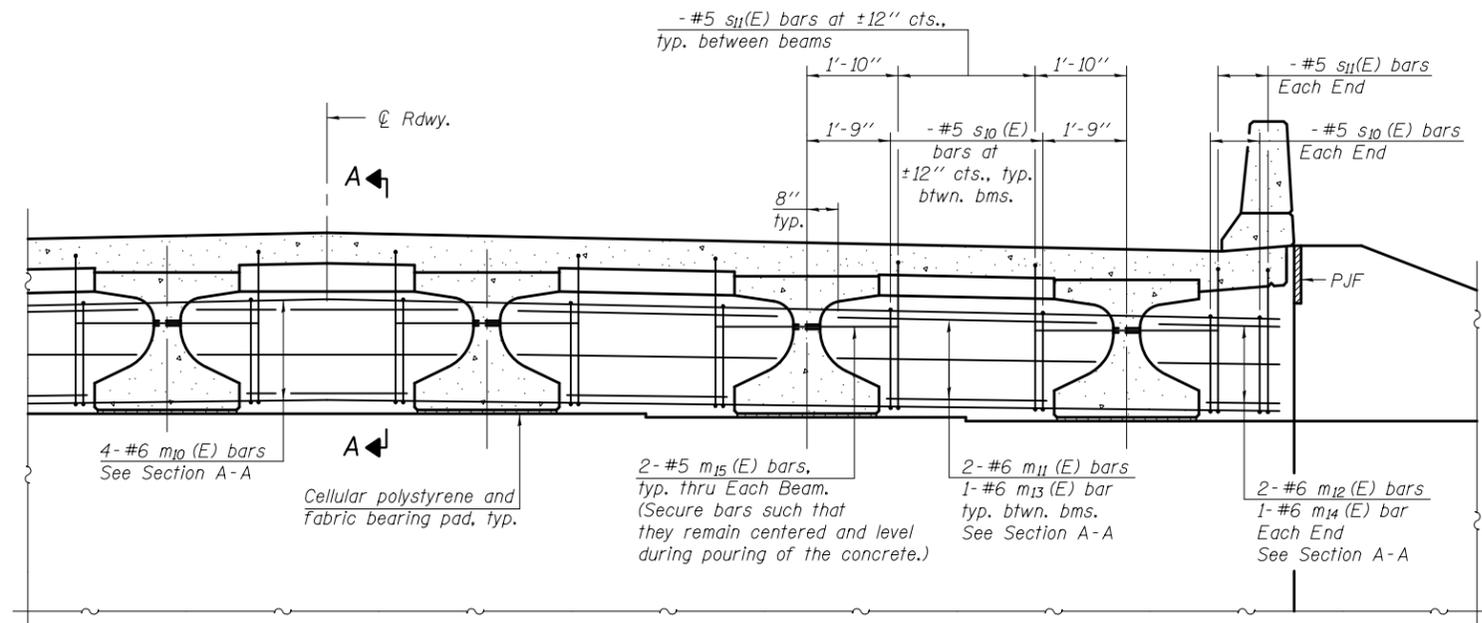
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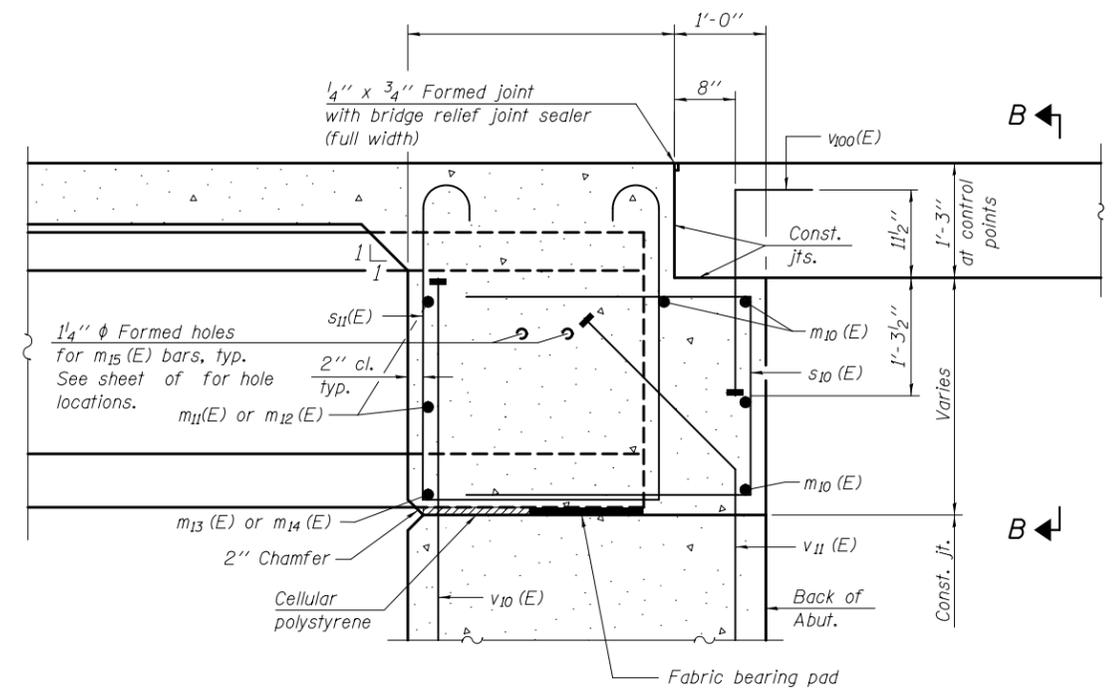
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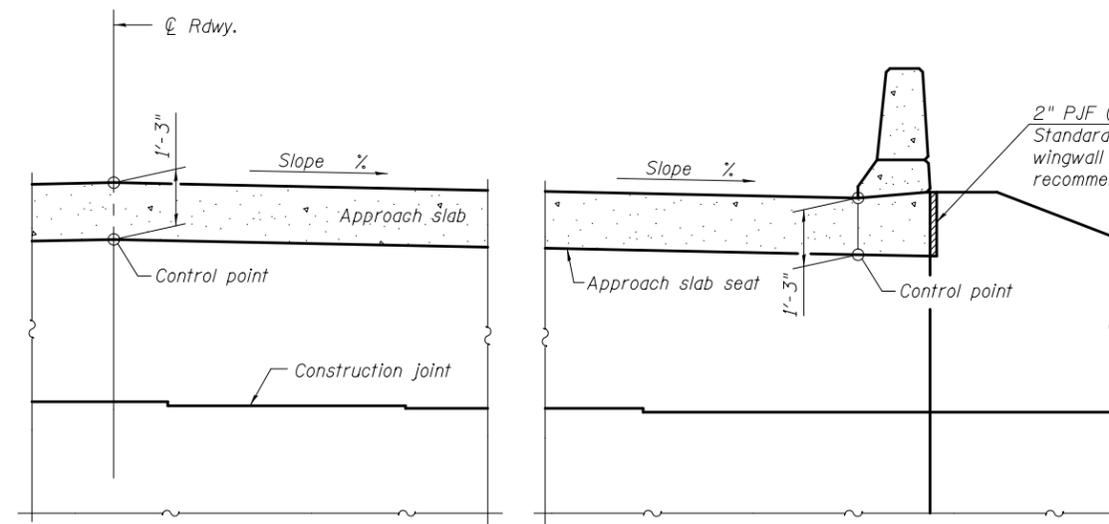




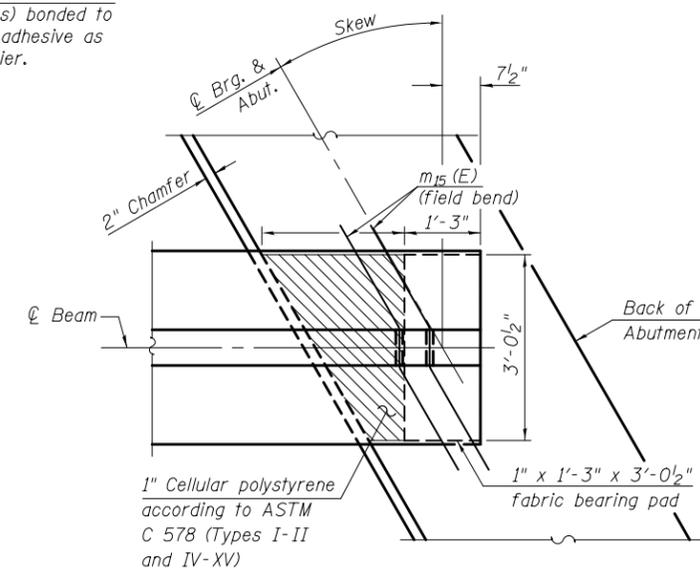
**DIAPHRAGM AT ABUTMENT**



**SECTION A-A**  
(at Rt. L's)



**SECTION B-B**



**PLAN AT ABUTMENT**  
(Showing bottom flange of beam)

**Notes:**

- Reinforcement bars in diaphragm are billed with superstructure on sheet of .
- Concrete in diaphragm is included with Concrete Superstructure on sheet of .
- For details of bars  $s_{10}(E)$ ,  $s_{11}(E)$  and  $v_{100}(E)$  see sheet of .
- The  $s_{10}(E)$  and  $s_{11}(E)$  bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.
- The approach slab seat shall have a constant slope determined from the control points shown.
- Cost of cellular polystyrene is included with Concrete Superstructure.
- Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

DIA-IL36-R

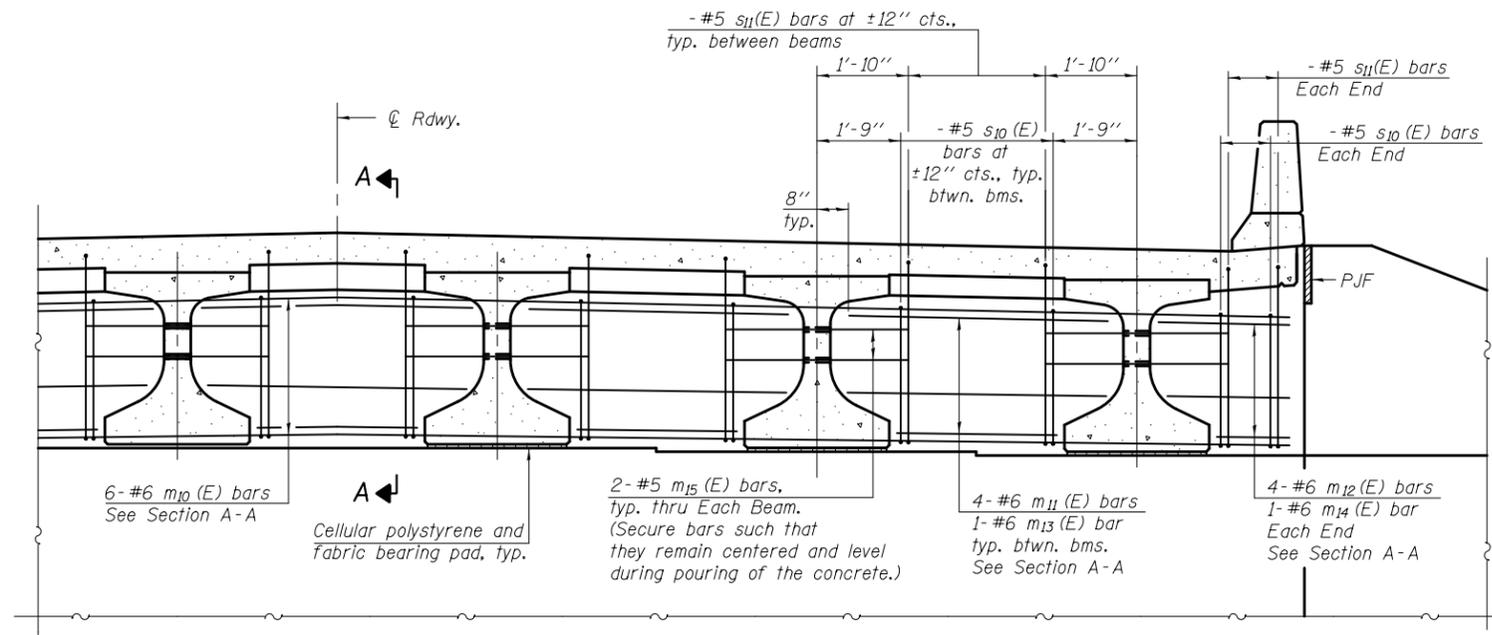
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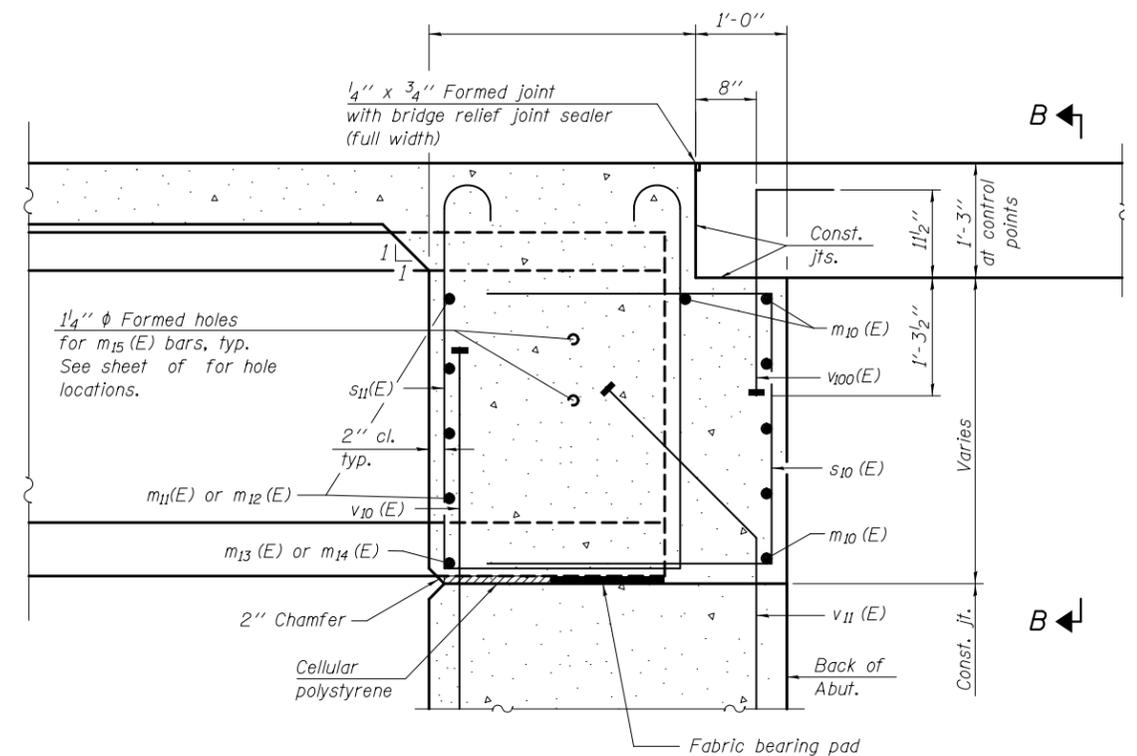
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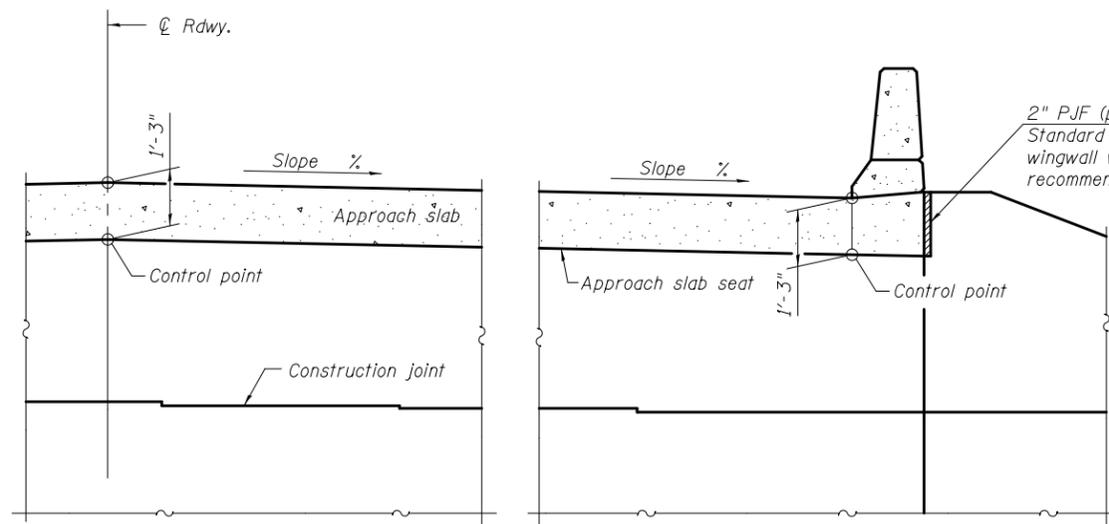
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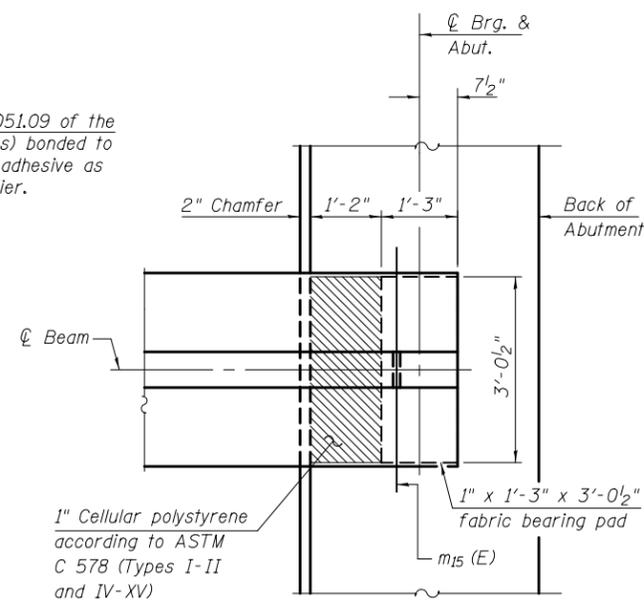
**DIAPHRAGM AT ABUTMENT**



**SECTION A-A**



**SECTION B-B**



**PLAN AT ABUTMENT**  
(Showing bottom flange of beam)

Notes:  
 Reinforcement bars in diaphragm are billed with superstructure on sheet of .  
 Concrete in diaphragm is included with Concrete Superstructure on sheet of .  
 For details of bars s<sub>10</sub>(E), s<sub>11</sub>(E) and v<sub>100</sub>(E) see sheet of .  
 The approach slab seat shall have a constant slope determined from the control points shown.  
 Cost of cellular polystyrene is included with Concrete Superstructure.  
 Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

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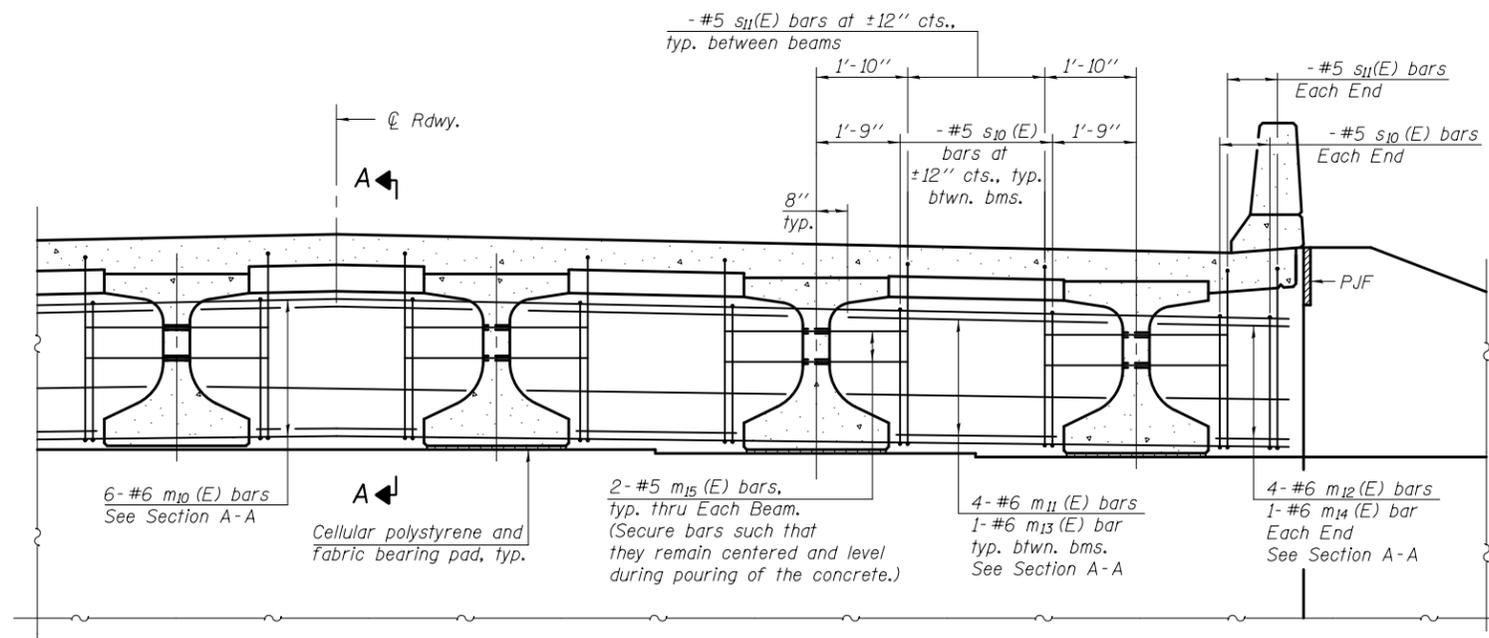
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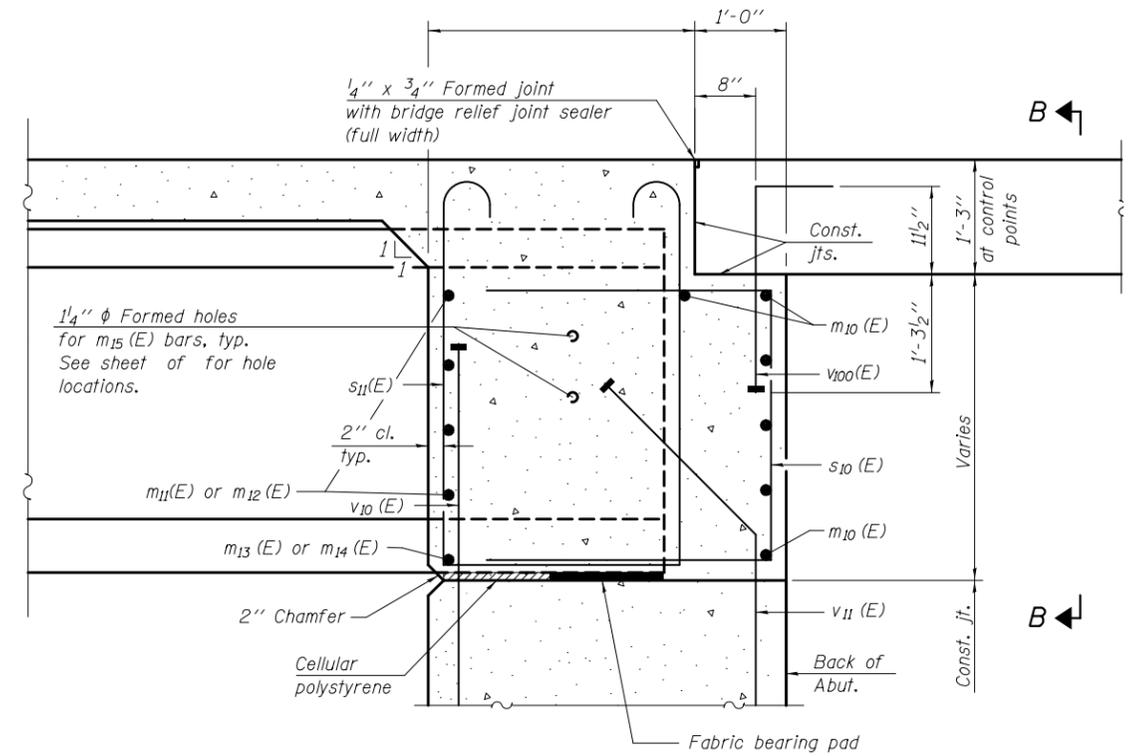
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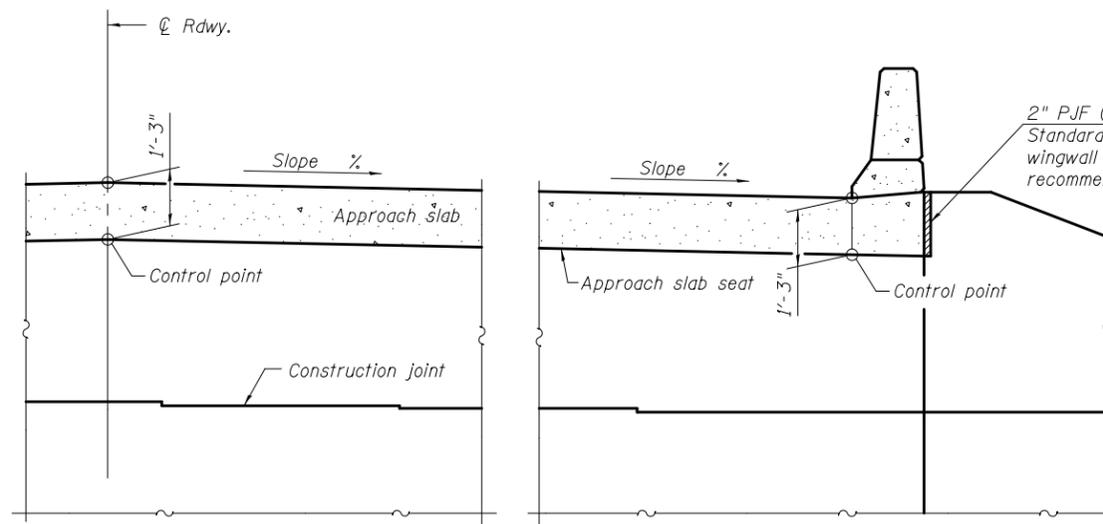
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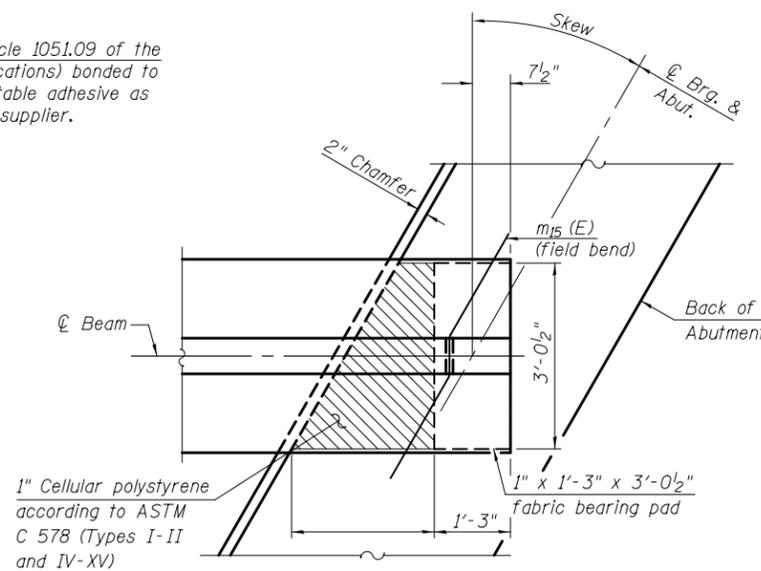
**DIAPHRAGM AT ABUTMENT**



**SECTION A-A**  
(at Rt. L's)



**SECTION B-B**



**PLAN AT ABUTMENT**  
(Showing bottom flange of beam)

Notes:  
 Reinforcement bars in diaphragm are billed with superstructure on sheet of .  
 Concrete in diaphragm is included with Concrete Superstructure on sheet of .  
 For details of bars s<sub>10</sub>(E), s<sub>11</sub>(E) and v<sub>100</sub>(E) see sheet of .  
 The s<sub>10</sub>(E) and s<sub>11</sub>(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.  
 The approach slab seat shall have a constant slope determined from the control points shown.  
 Cost of cellular polystyrene is included with Concrete Superstructure.  
 Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

DIA-IL4554-L

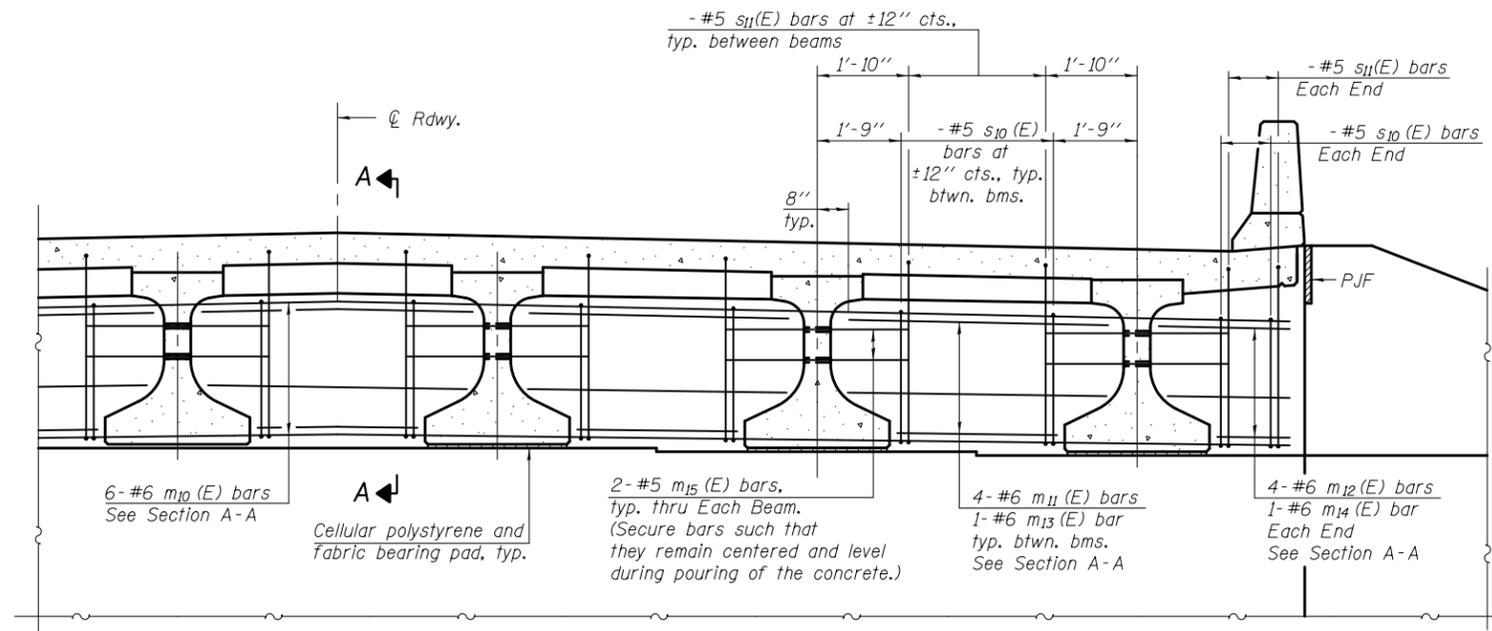
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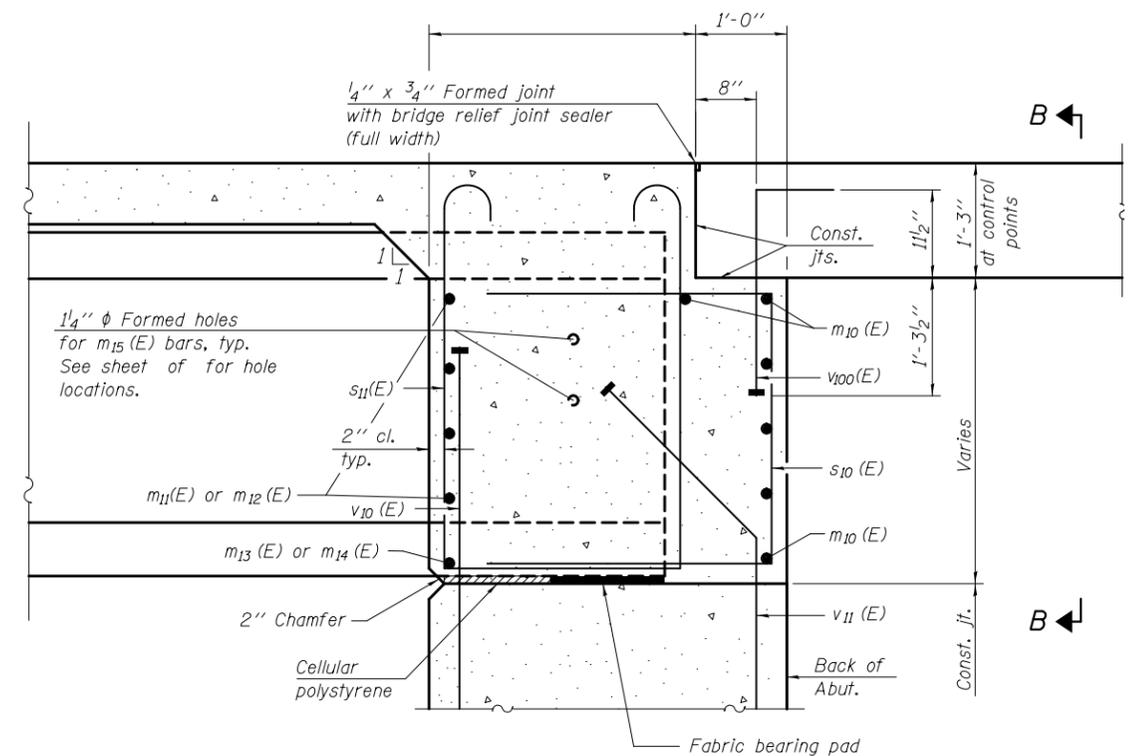
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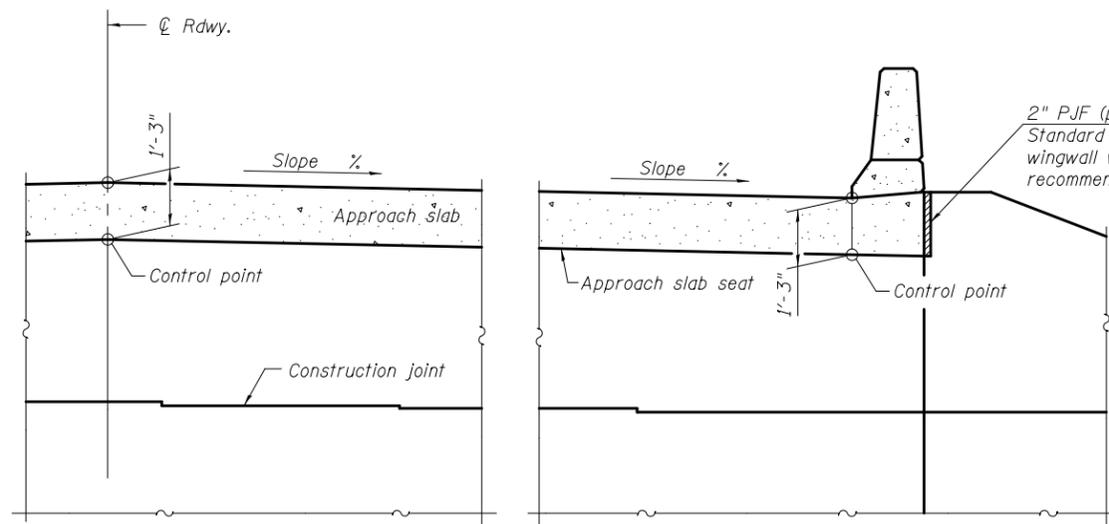
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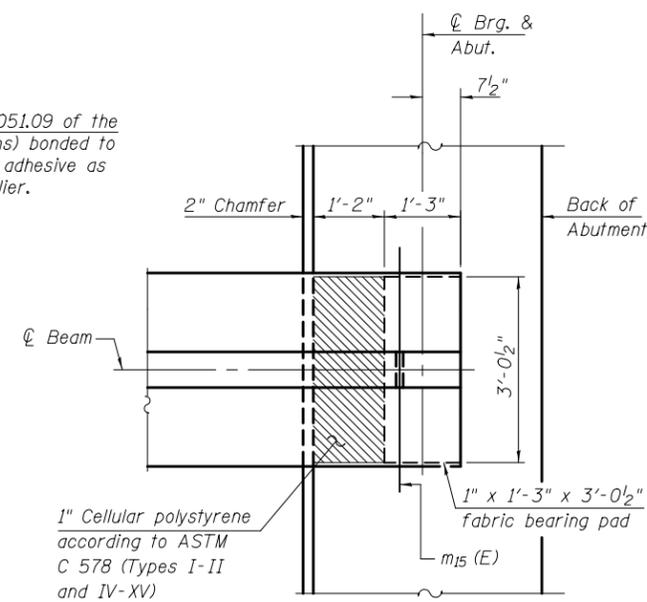
**DIAPHRAGM AT ABUTMENT**



**SECTION A-A**



**SECTION B-B**



**PLAN AT ABUTMENT**  
(Showing bottom flange of beam)

Notes:  
 Reinforcement bars in diaphragm are billed with superstructure on sheet of .  
 Concrete in diaphragm is included with Concrete Superstructure on sheet of .  
 For details of bars s<sub>10</sub>(E), s<sub>11</sub>(E) and v<sub>100</sub>(E) see sheet of .  
 The approach slab seat shall have a constant slope determined from the control points shown.  
 Cost of cellular polystyrene is included with Concrete Superstructure.  
 Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

DIA-IL4554N-0

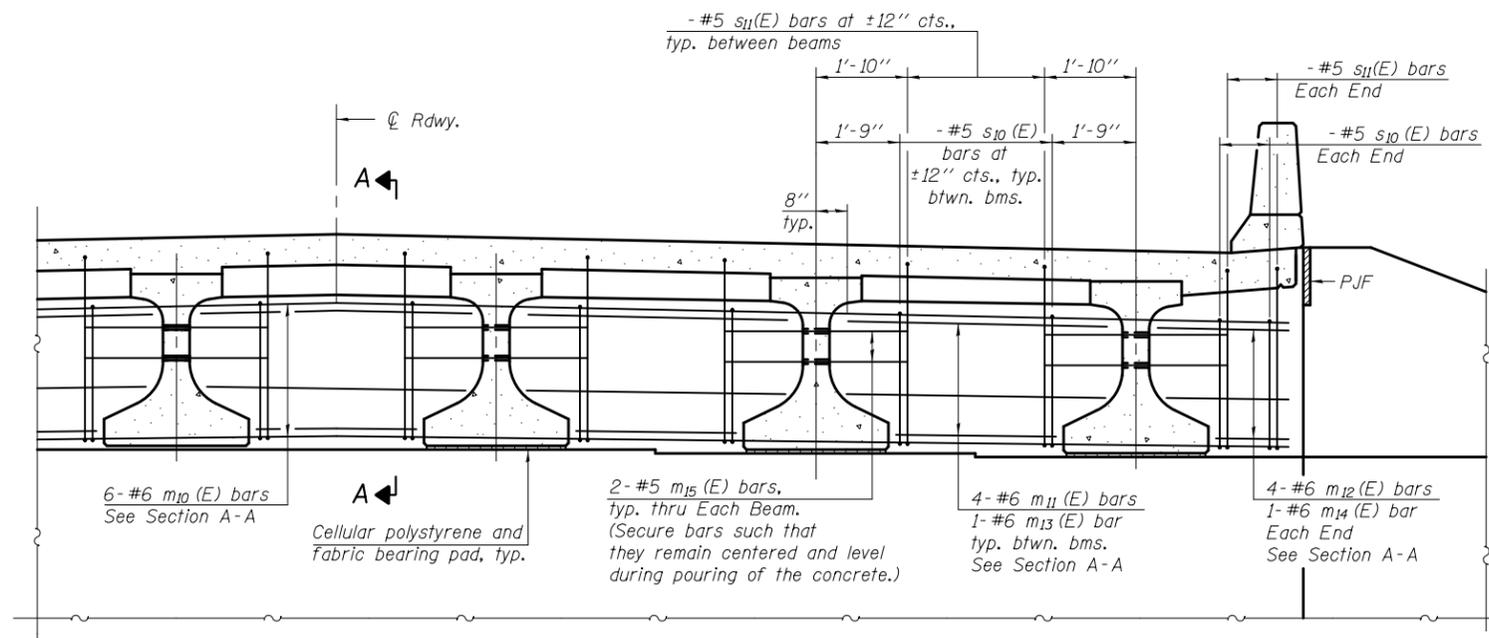
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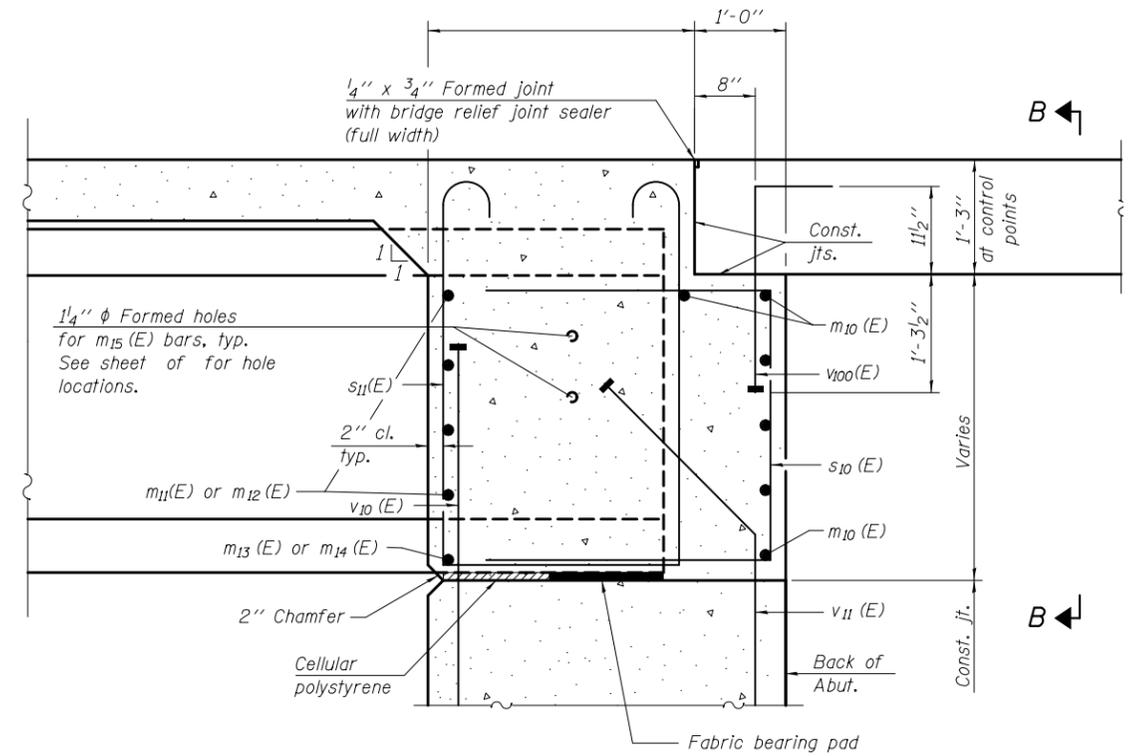
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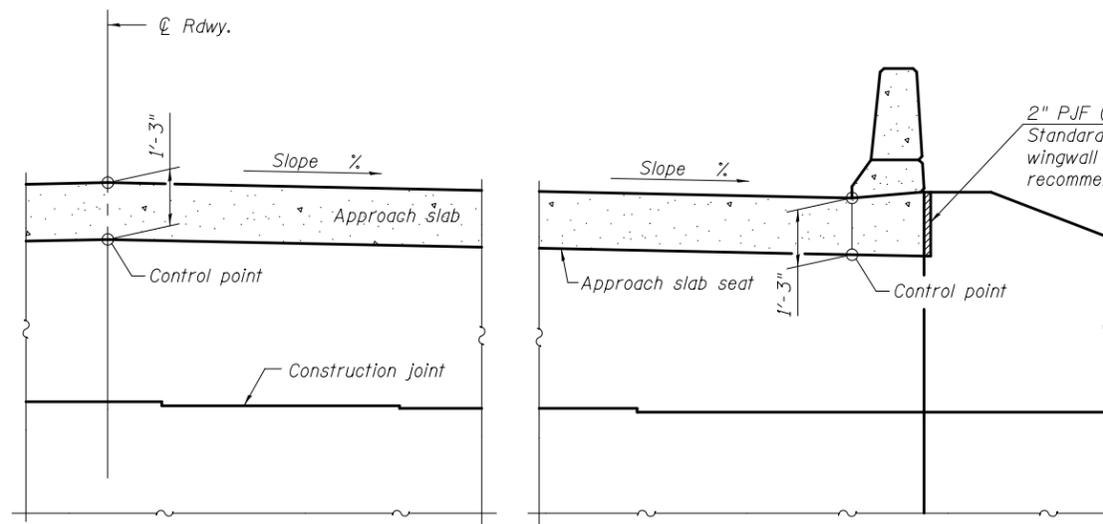
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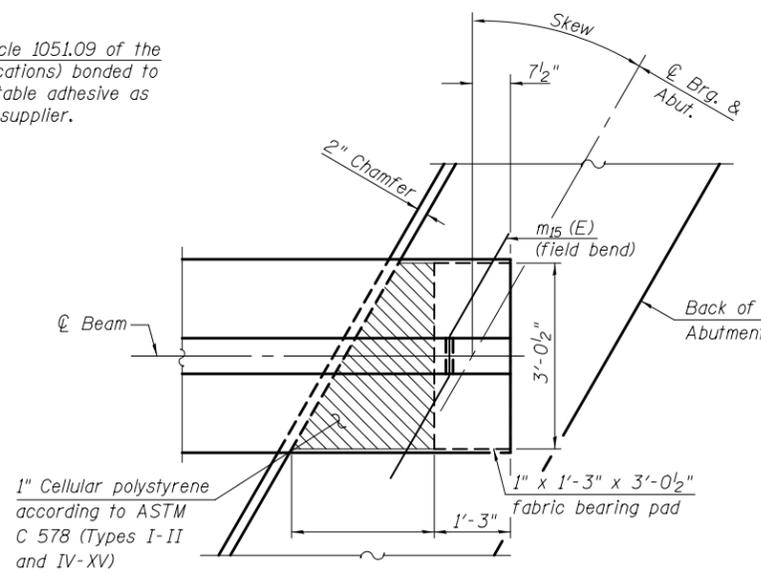
**DIAPHRAGM AT ABUTMENT**



**SECTION A-A**  
(at Rt. L's)



**SECTION B-B**



**PLAN AT ABUTMENT**  
(Showing bottom flange of beam)

Notes:  
 Reinforcement bars in diaphragm are billed with superstructure on sheet of .  
 Concrete in diaphragm is included with Concrete Superstructure on sheet of .  
 For details of bars s<sub>10</sub>(E), s<sub>11</sub>(E) and v<sub>100</sub>(E) see sheet of .  
 The s<sub>10</sub>(E) and s<sub>11</sub>(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.  
 The approach slab seat shall have a constant slope determined from the control points shown.  
 Cost of cellular polystyrene is included with Concrete Superstructure.  
 Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

DIA-IL4554N-L

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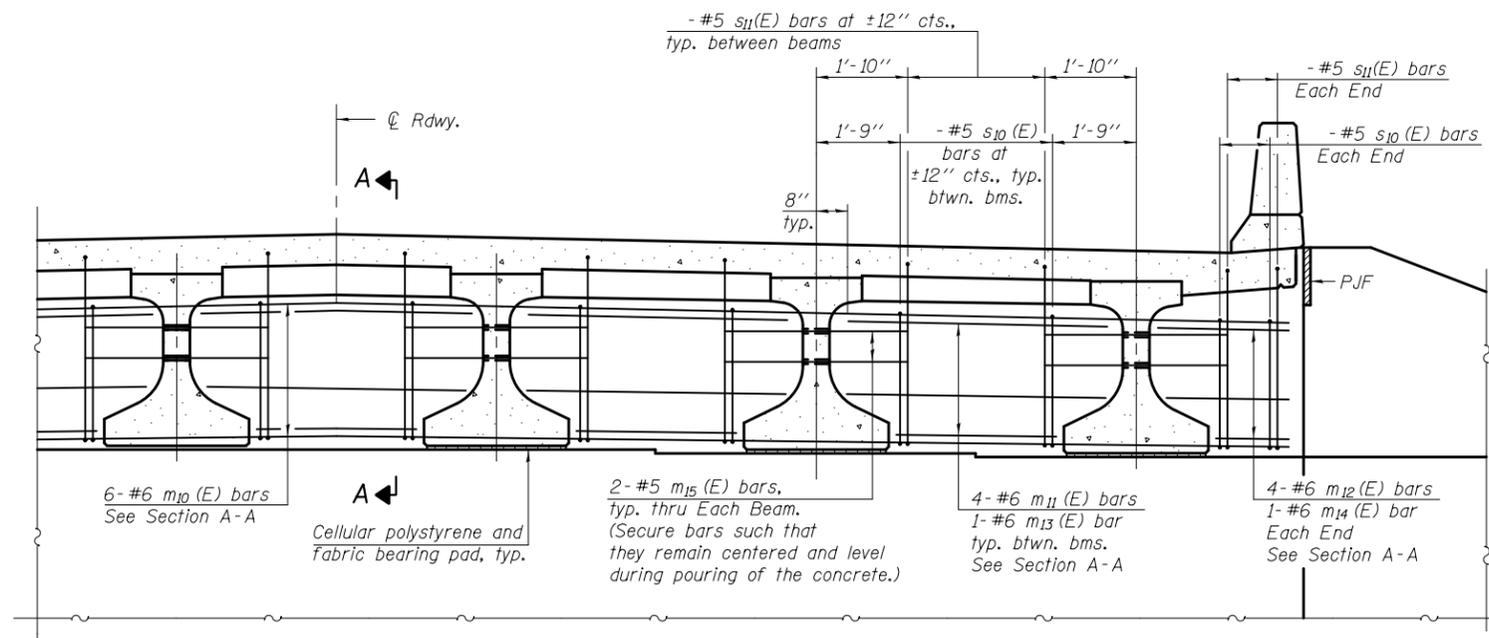
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DEPARTMENT OF TRANSPORTATION

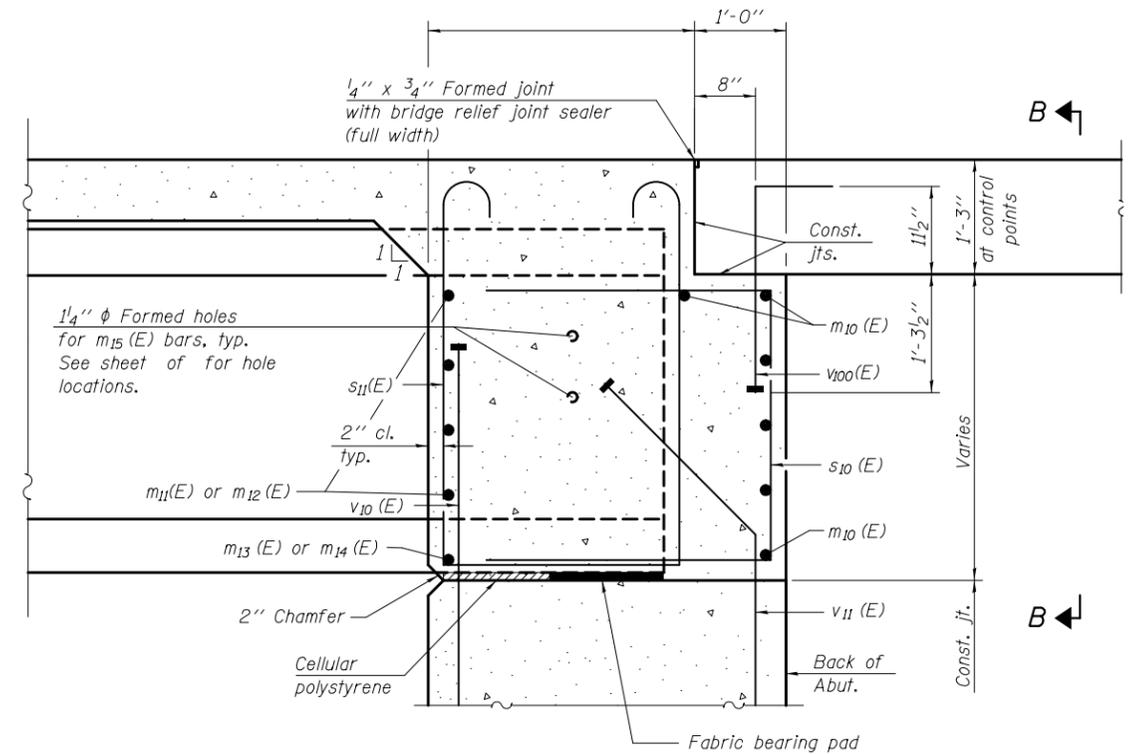
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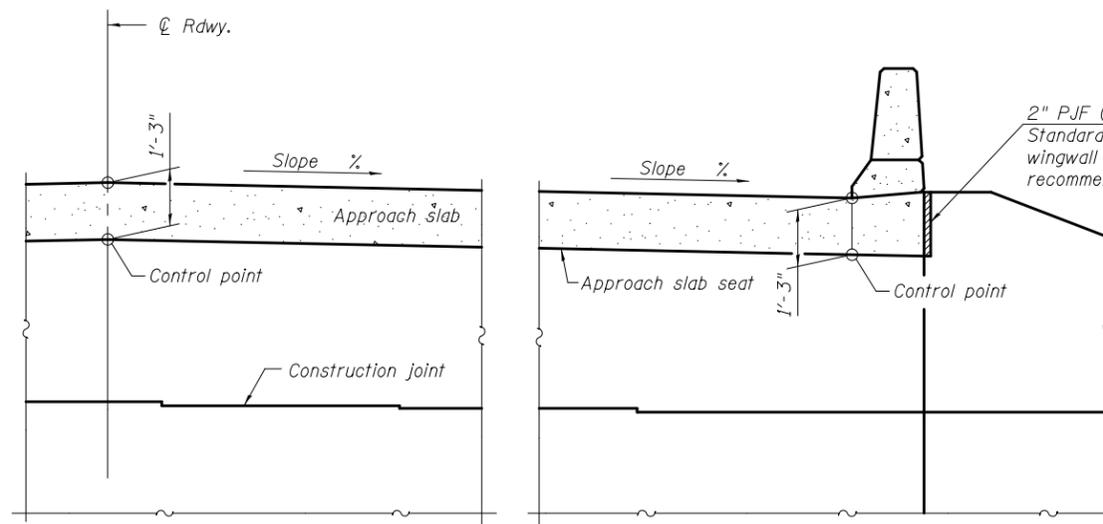
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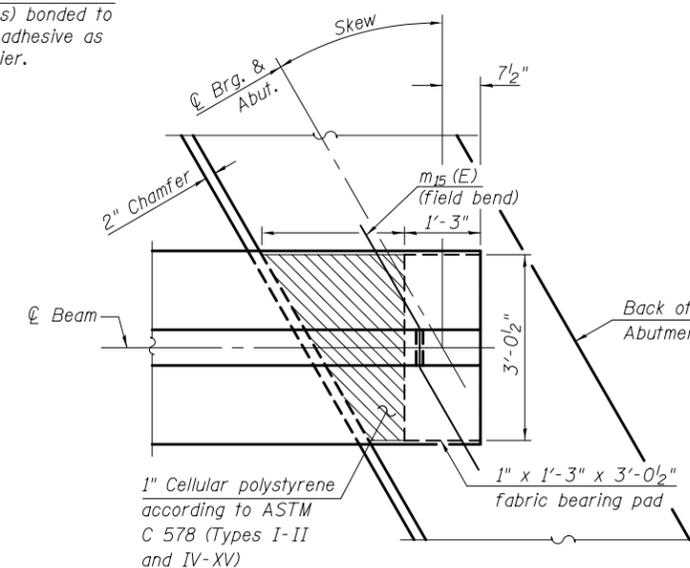
**DIAPHRAGM AT ABUTMENT**



**SECTION A-A**  
(at Rt. L's)



**SECTION B-B**



**PLAN AT ABUTMENT**  
(Showing bottom flange of beam)

Notes:  
 Reinforcement bars in diaphragm are billed with superstructure on sheet of .  
 Concrete in diaphragm is included with Concrete Superstructure on sheet of .  
 For details of bars s<sub>10</sub>(E), s<sub>11</sub>(E) and v<sub>100</sub>(E) see sheet of .  
 The s<sub>10</sub>(E) and s<sub>11</sub>(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.  
 The approach slab seat shall have a constant slope determined from the control points shown.  
 Cost of cellular polystyrene is included with Concrete Superstructure.  
 Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

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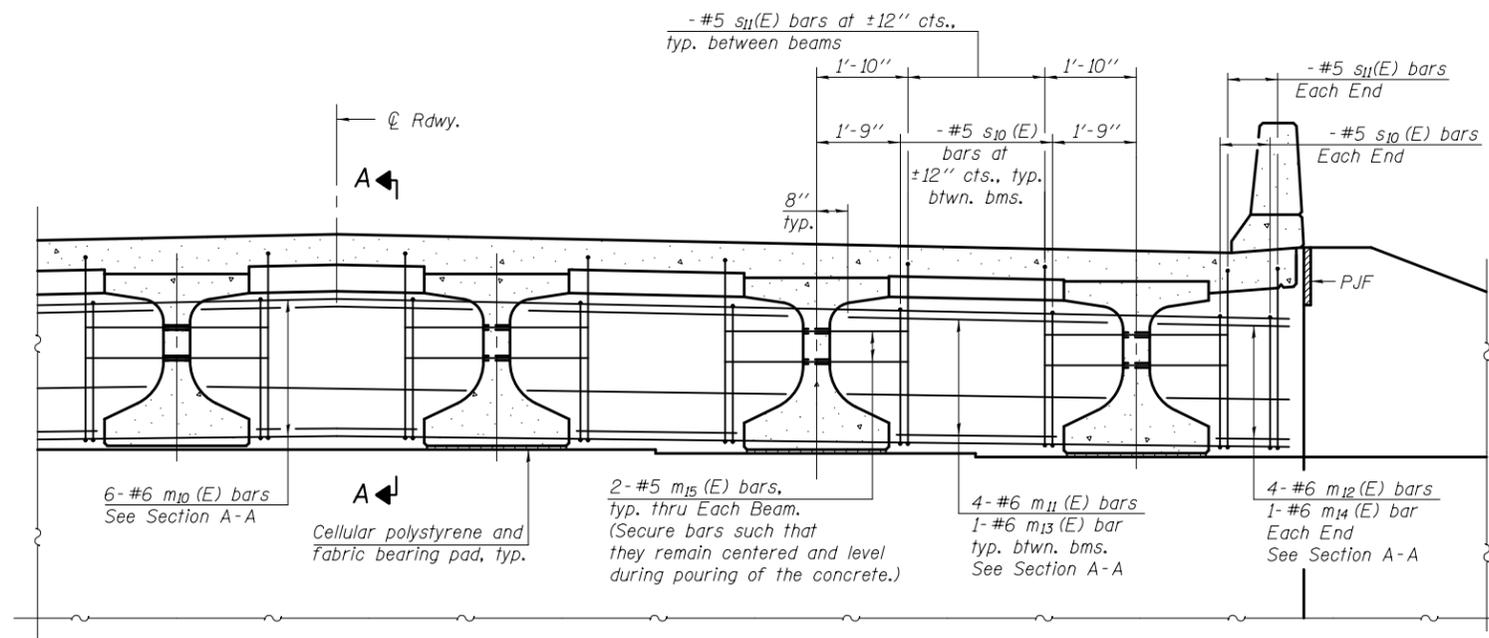
10-7-2016

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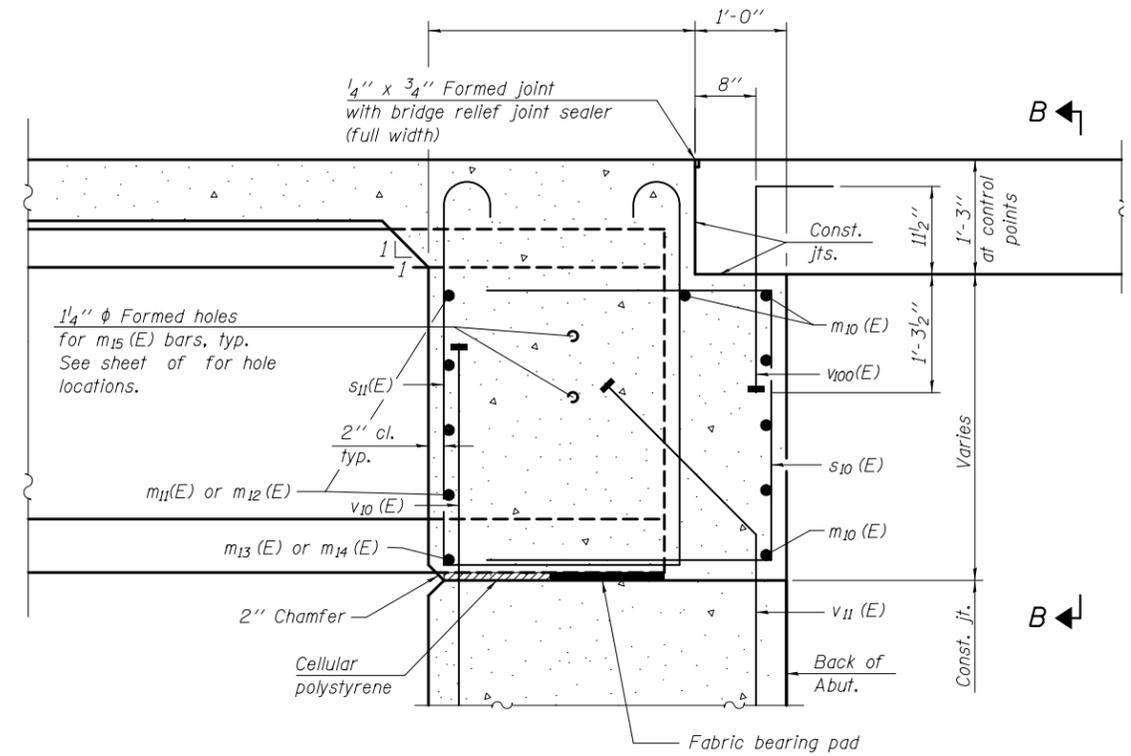
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**STRUCTURE NO.**

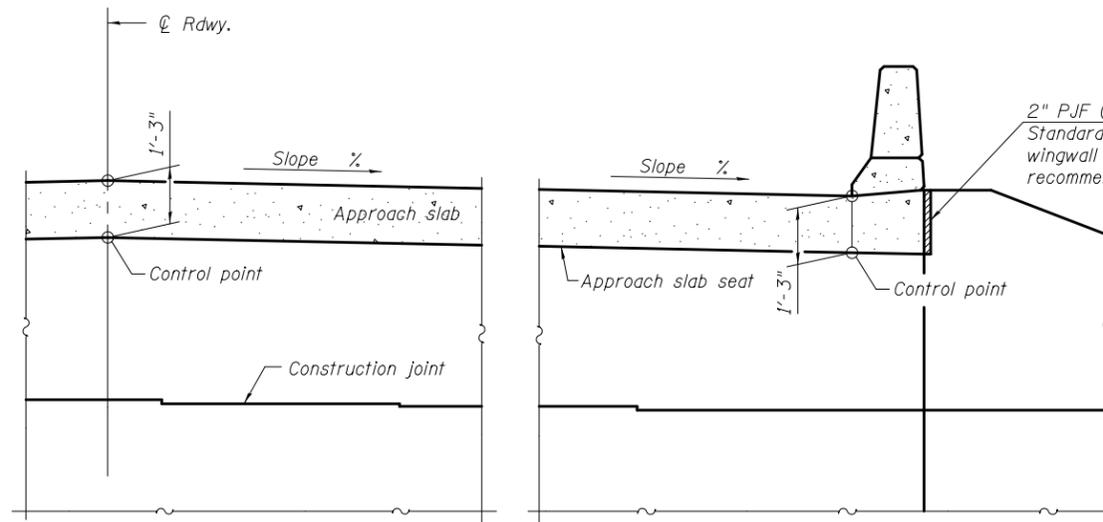
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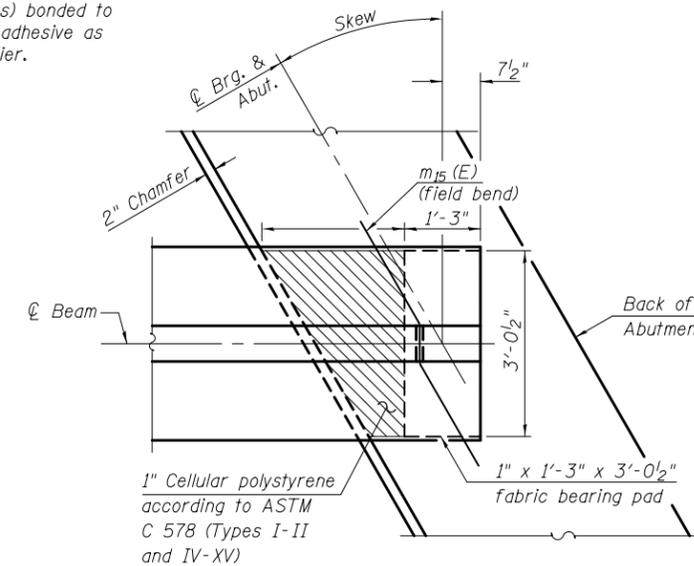
**DIAPHRAGM AT ABUTMENT**



**SECTION A-A**  
(at Rt. L's)



**SECTION B-B**



**PLAN AT ABUTMENT**  
(Showing bottom flange of beam)

Notes:  
 Reinforcement bars in diaphragm are billed with superstructure on sheet of .  
 Concrete in diaphragm is included with Concrete Superstructure on sheet of .  
 For details of bars s<sub>10</sub>(E), s<sub>11</sub>(E) and v<sub>100</sub>(E) see sheet of .  
 The s<sub>10</sub>(E) and s<sub>11</sub>(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.  
 The approach slab seat shall have a constant slope determined from the control points shown.  
 Cost of cellular polystyrene is included with Concrete Superstructure.  
 Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

DIA-IL4554-R

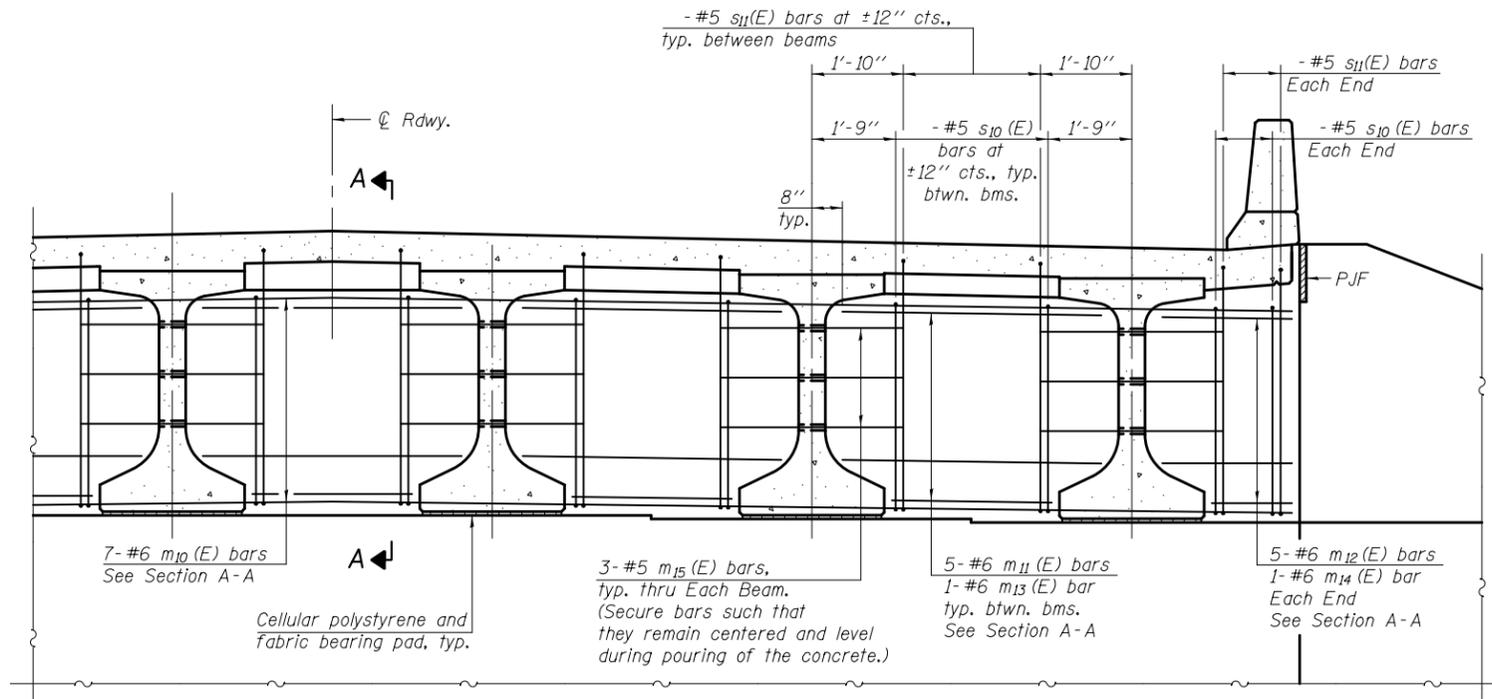
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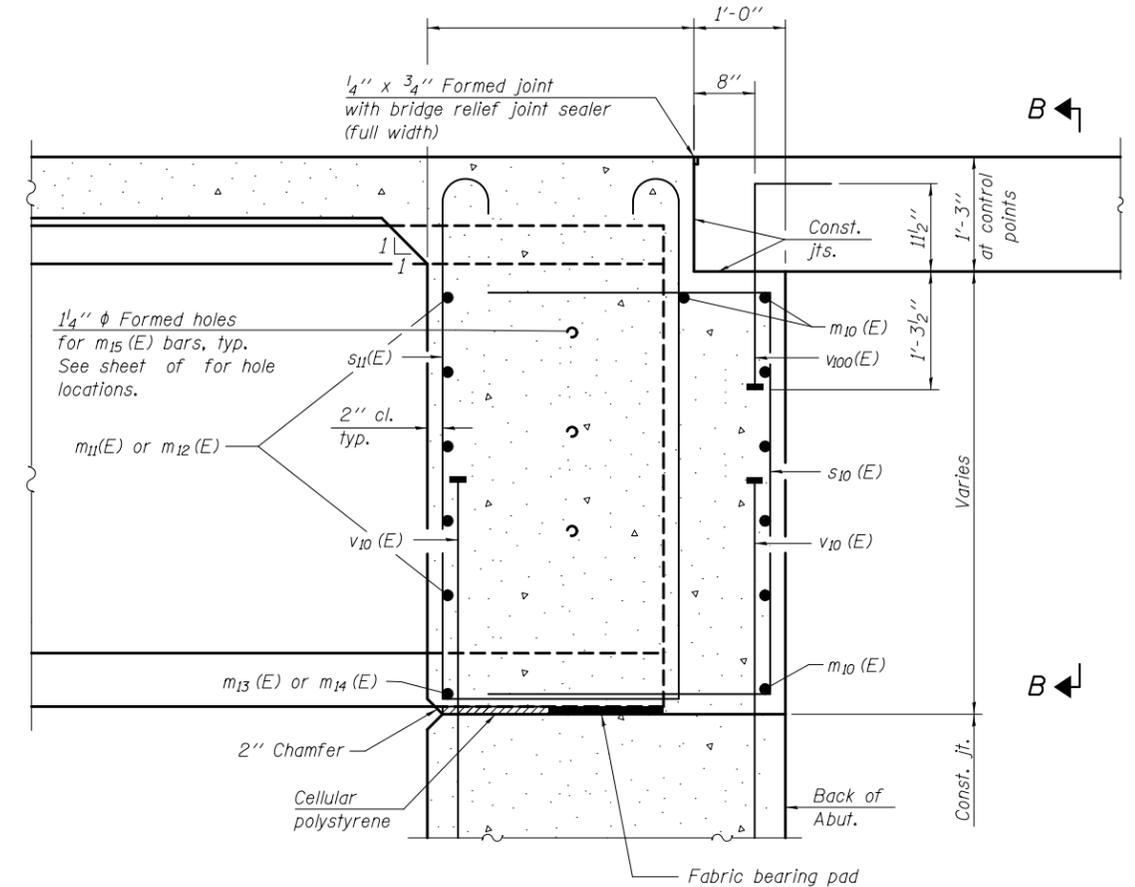
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DEPARTMENT OF TRANSPORTATION

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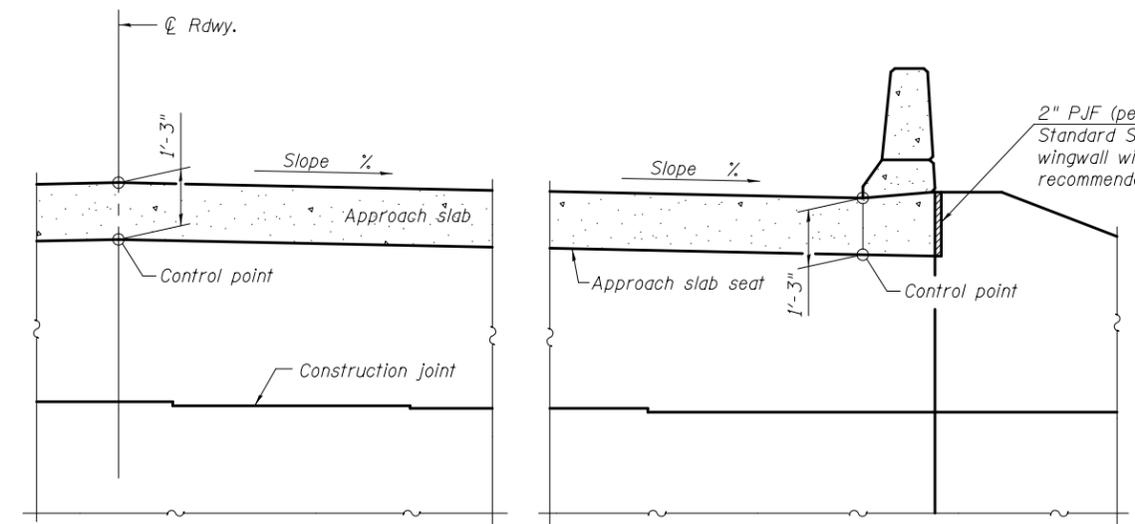
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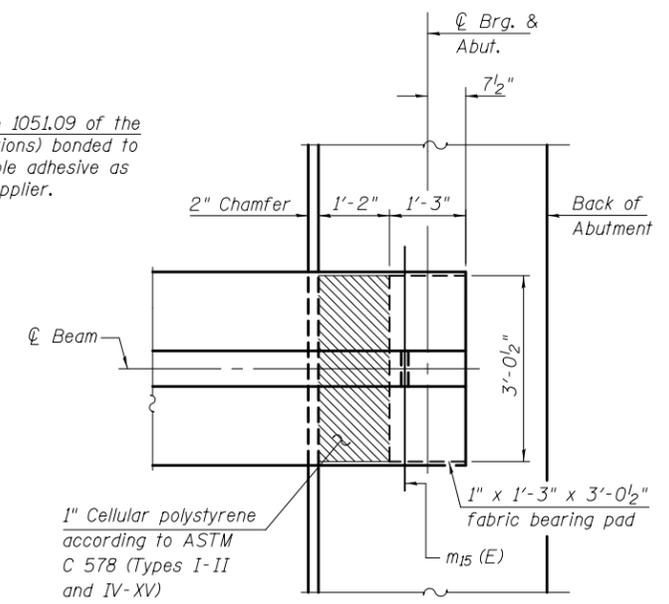
**DIAPHRAGM AT ABUTMENT**



**SECTION A-A**



**SECTION B-B**



**PLAN AT ABUTMENT**  
(Showing bottom flange of beam)

Notes:  
 Reinforcement bars in diaphragm are billed with superstructure on sheet of .  
 Concrete in diaphragm is included with Concrete Superstructure on sheet of .  
 For details of bars  $s_{10}(E)$ ,  $s_{11}(E)$  and  $v_{100}(E)$  see sheet of .  
 The approach slab seat shall have a constant slope determined from the control points shown.  
 Cost of cellular polystyrene is included with Concrete Superstructure.  
 Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

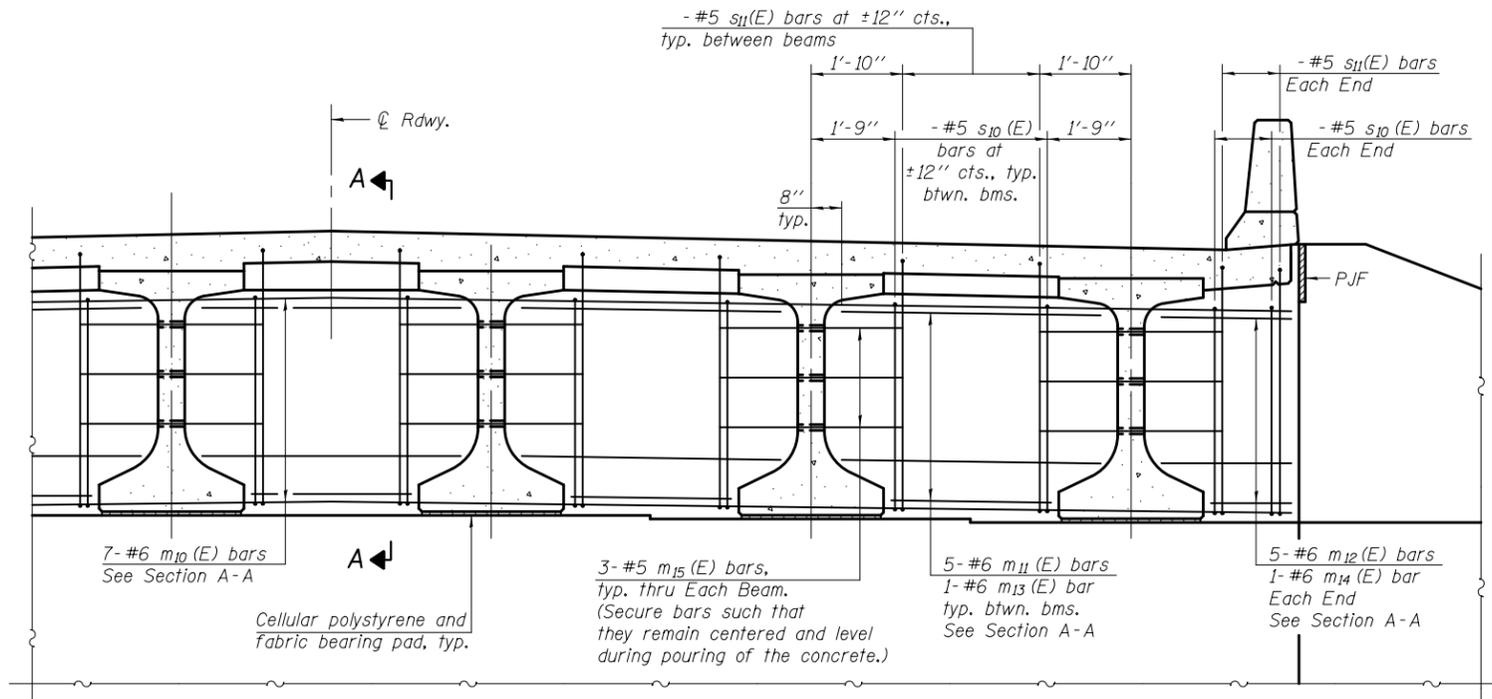
DIA-IL6372-0 10-7-2016

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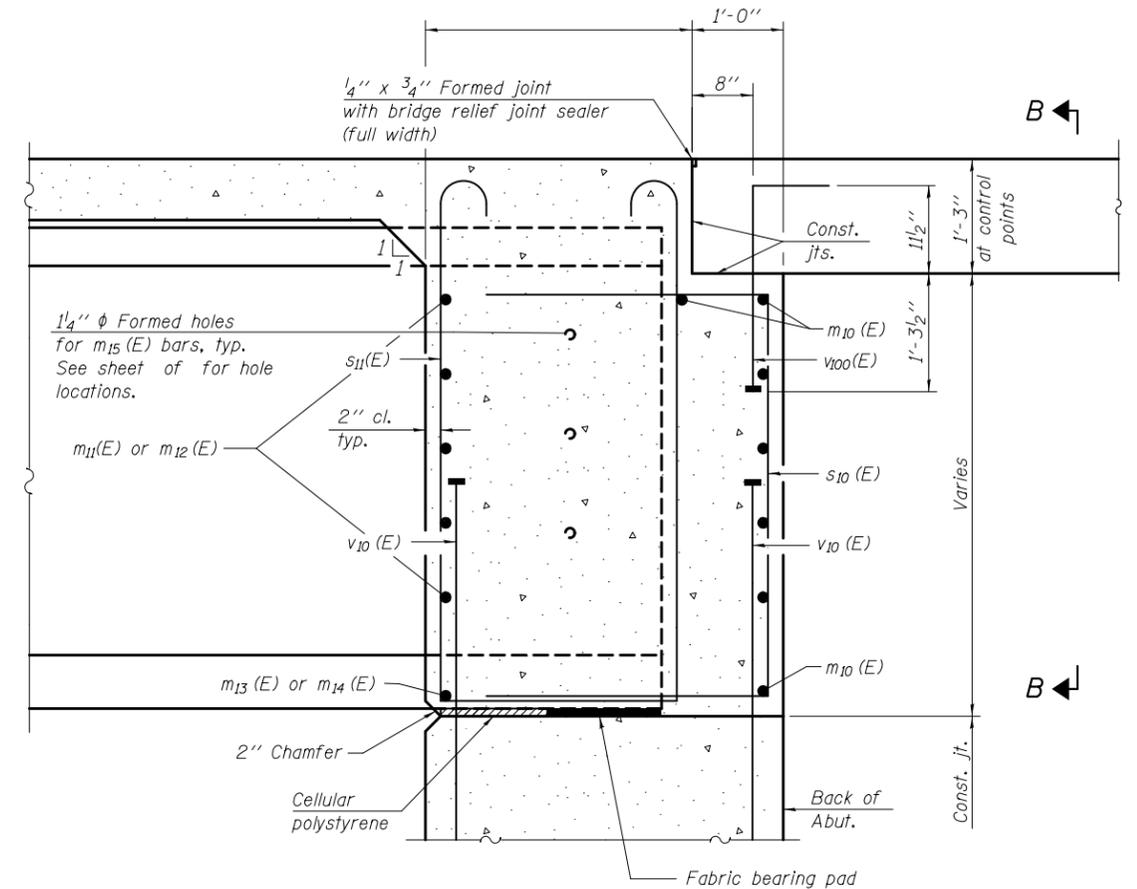
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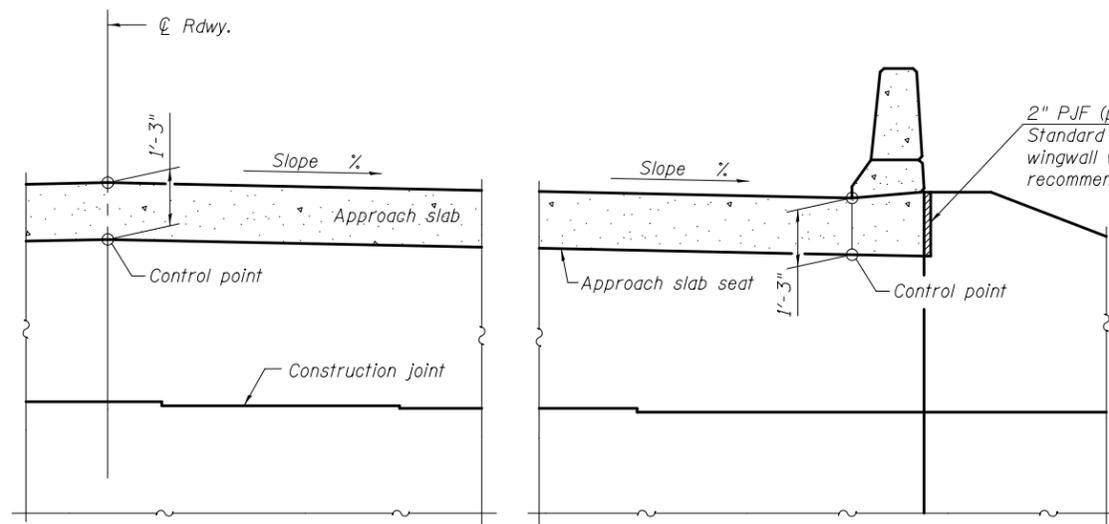
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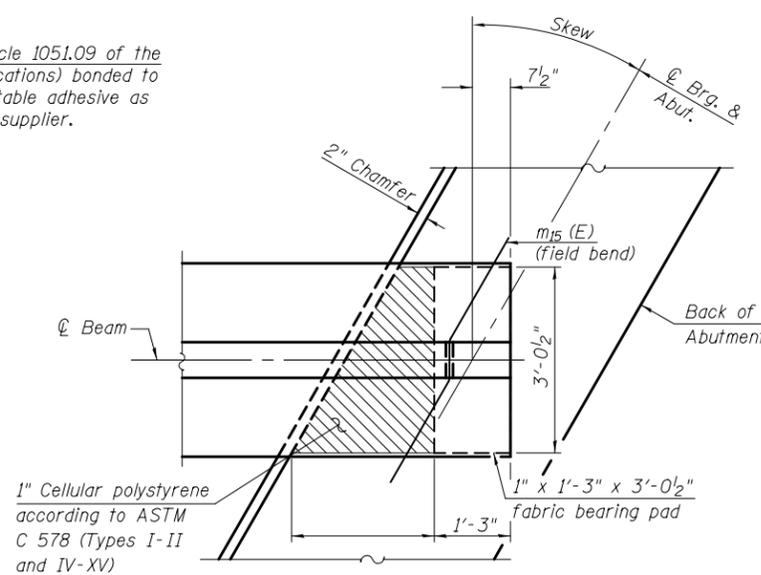
**DIAPHRAGM AT ABUTMENT**



**SECTION A-A**  
(at Rt. L's)



**SECTION B-B**



**PLAN AT ABUTMENT**  
(Showing bottom flange of beam)

Notes:  
 Reinforcement bars in diaphragm are billed with superstructure on sheet of .  
 Concrete in diaphragm is included with Concrete Superstructure on sheet of .  
 For details of bars s<sub>10</sub>(E), s<sub>11</sub>(E) and v<sub>100</sub>(E) see sheet of .  
 The s<sub>10</sub>(E) and s<sub>11</sub>(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.  
 The approach slab seat shall have a constant slope determined from the control points shown.  
 Cost of cellular polystyrene is included with Concrete Superstructure.  
 Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

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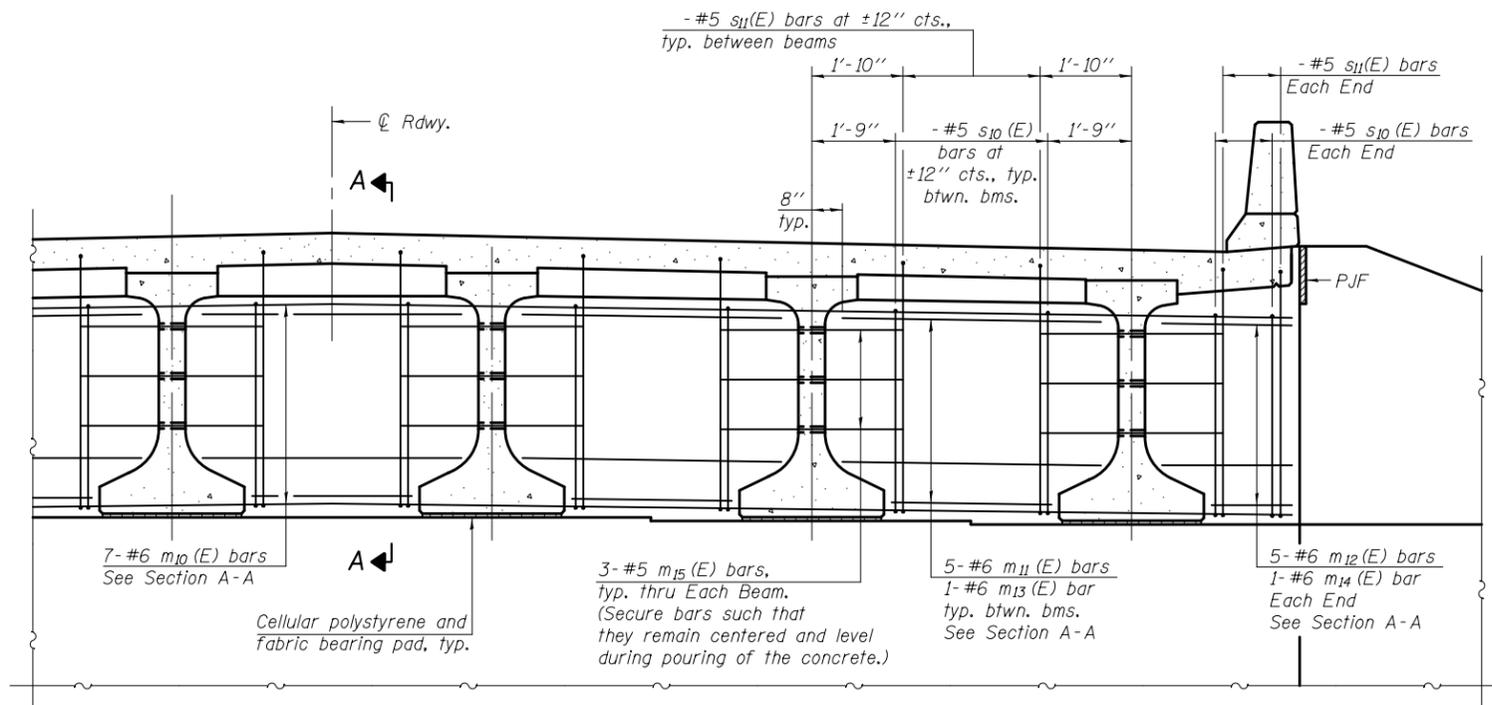
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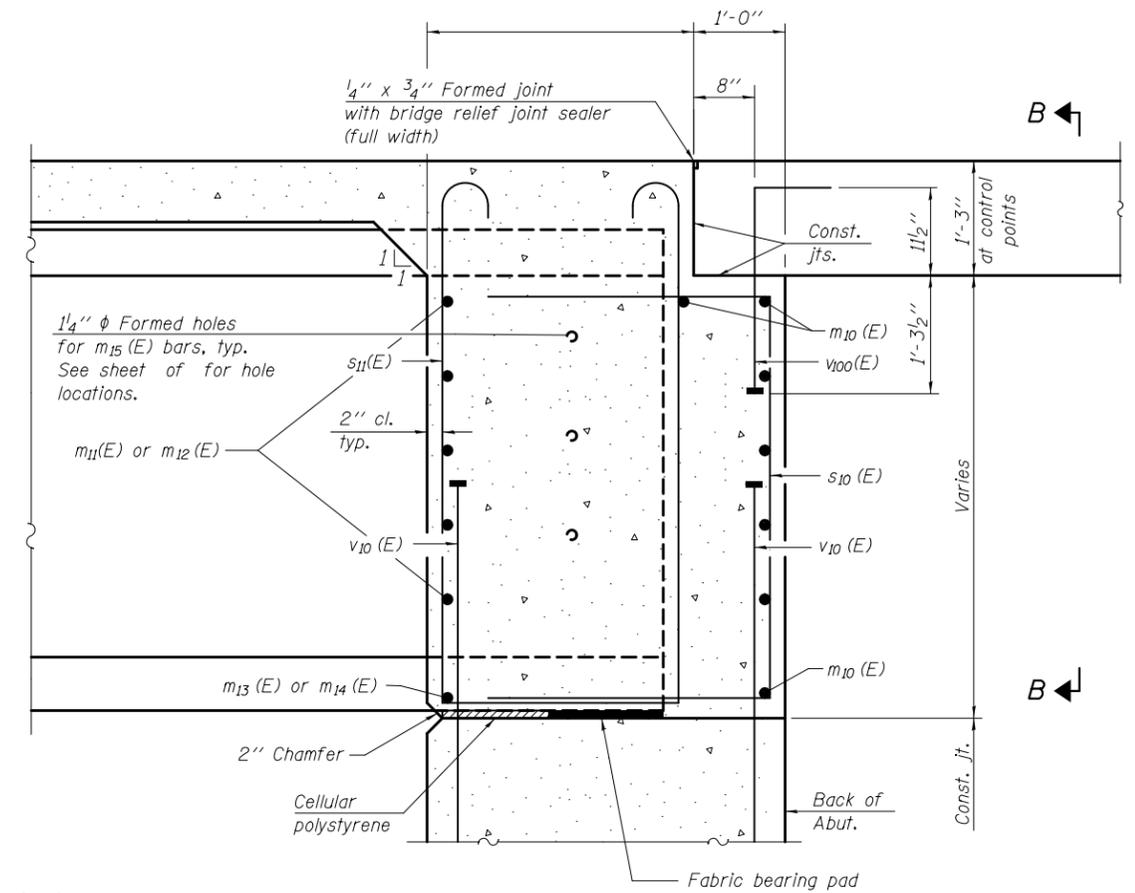
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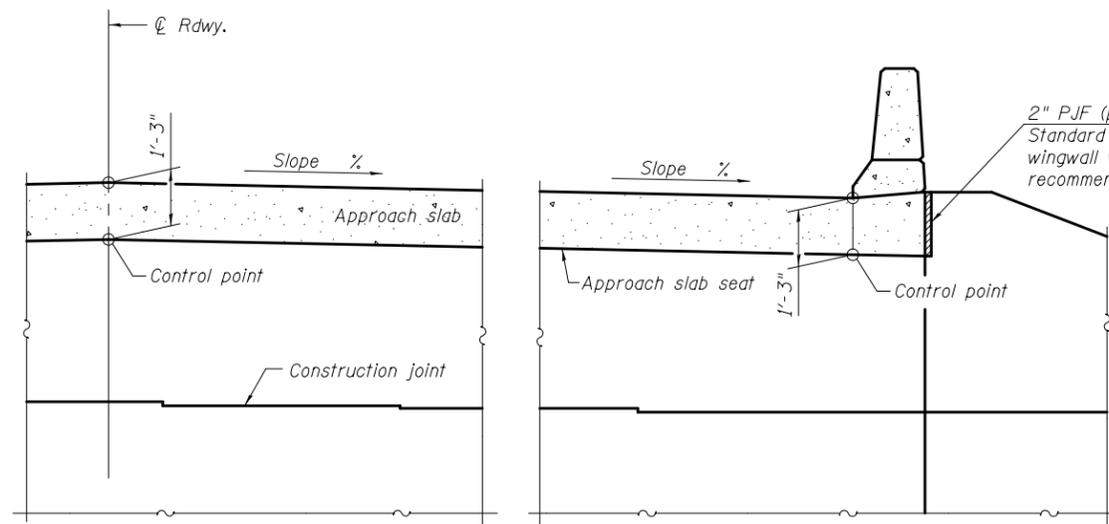
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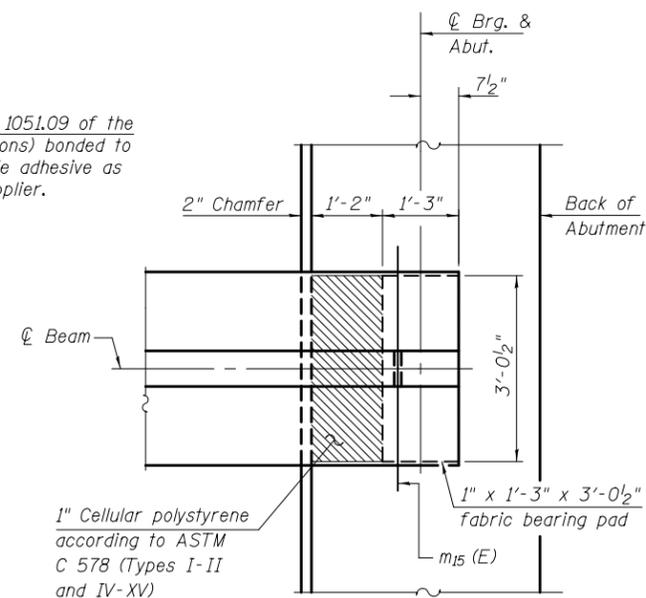
**DIAPHRAGM AT ABUTMENT**



**SECTION A-A**



**SECTION B-B**



**PLAN AT ABUTMENT**  
(Showing bottom flange of beam)

Notes:  
 Reinforcement bars in diaphragm are billed with superstructure on sheet of .  
 Concrete in diaphragm is included with Concrete Superstructure on sheet of .  
 For details of bars s10(E), s11(E) and v100(E) see sheet of .  
 The approach slab seat shall have a constant slope determined from the control points shown.  
 Cost of cellular polystyrene is included with Concrete Superstructure.  
 Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

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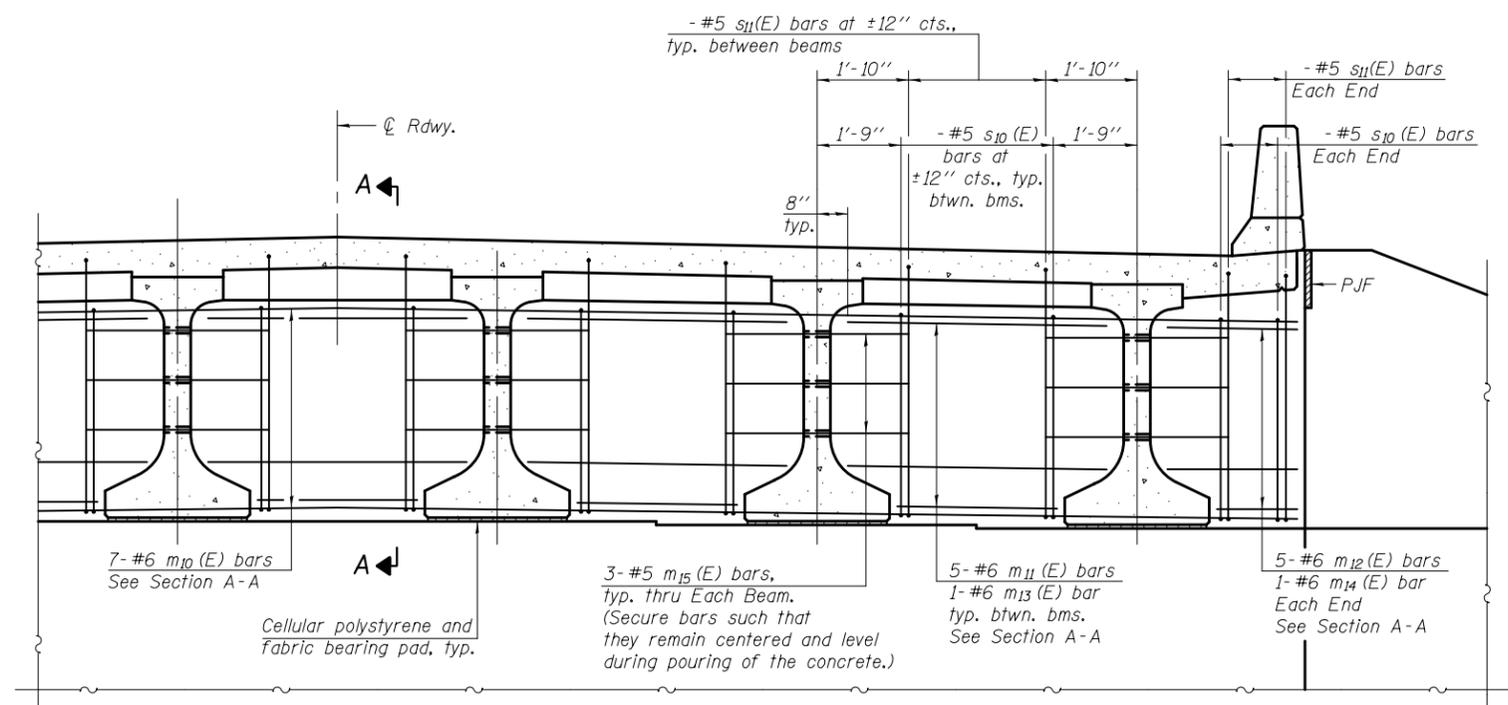
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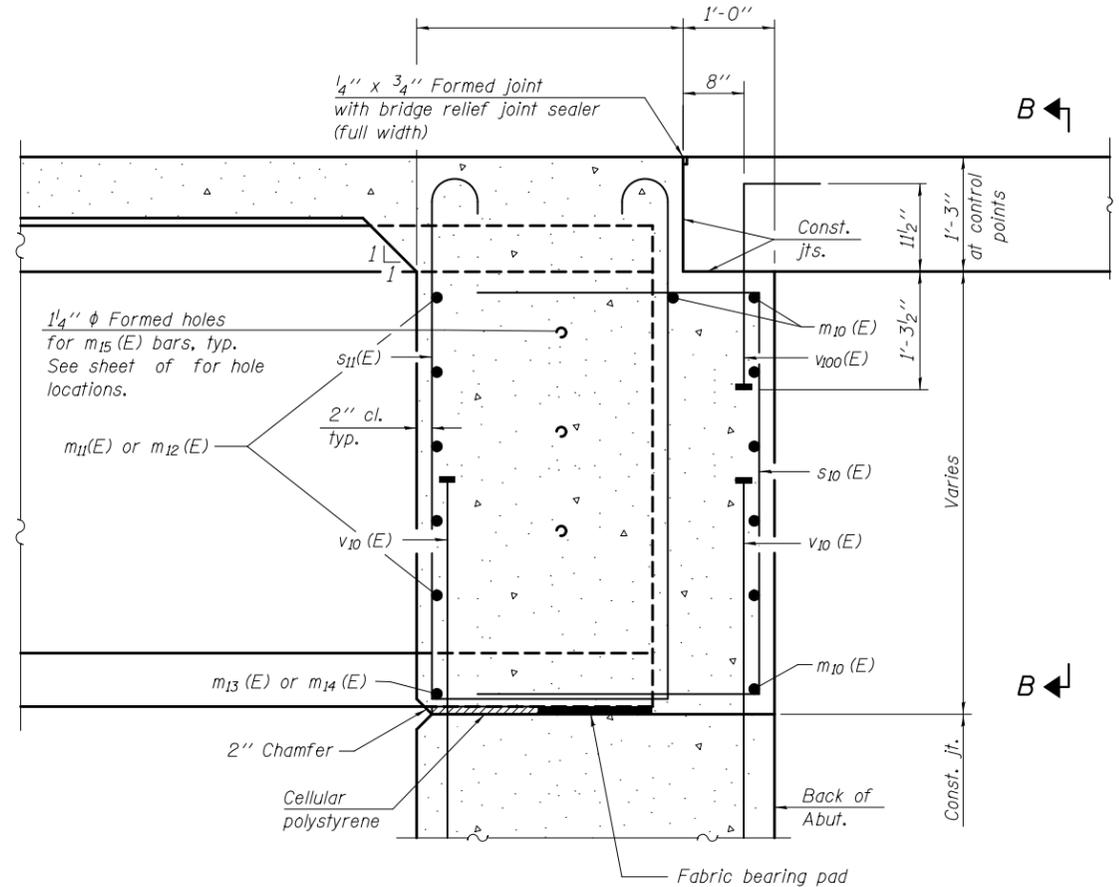
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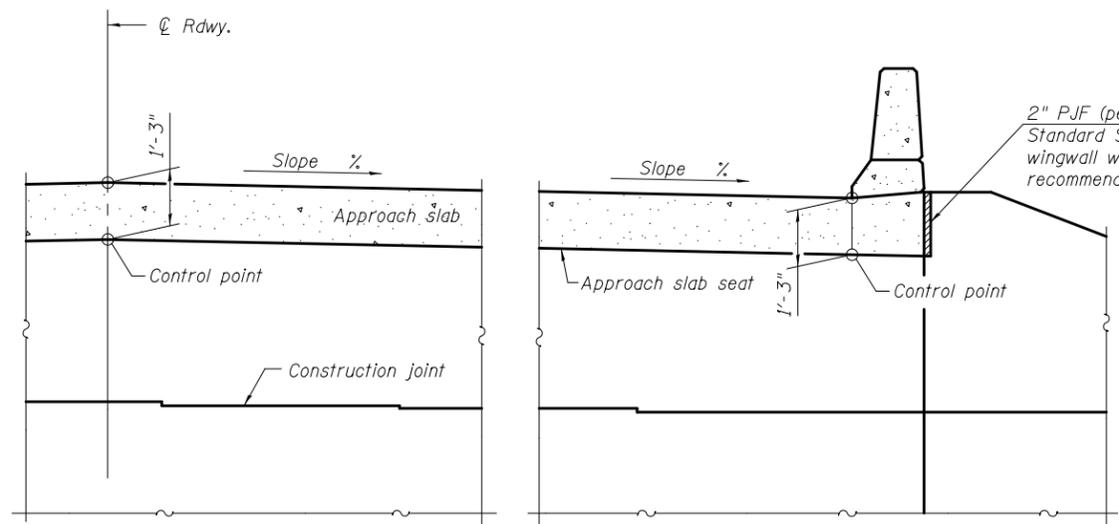
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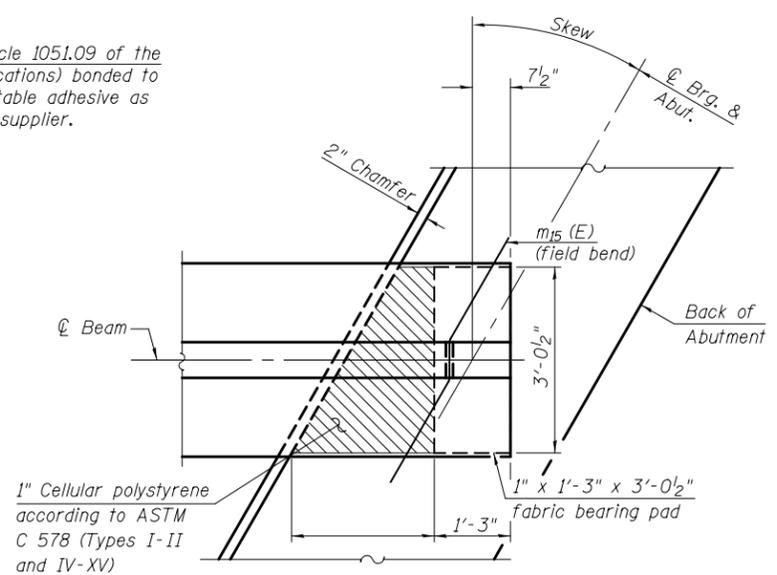
**DIAPHRAGM AT ABUTMENT**



**SECTION A-A**  
(at Rt. L's)



**SECTION B-B**



**PLAN AT ABUTMENT**  
(Showing bottom flange of beam)

Notes:  
 Reinforcement bars in diaphragm are billed with superstructure on sheet of .  
 Concrete in diaphragm is included with Concrete Superstructure on sheet of .  
 For details of bars s10(E), s11(E) and v100(E) see sheet of .  
 The s10(E) and s11(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.  
 The approach slab seat shall have a constant slope determined from the control points shown.  
 Cost of cellular polystyrene is included with Concrete Superstructure.  
 Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

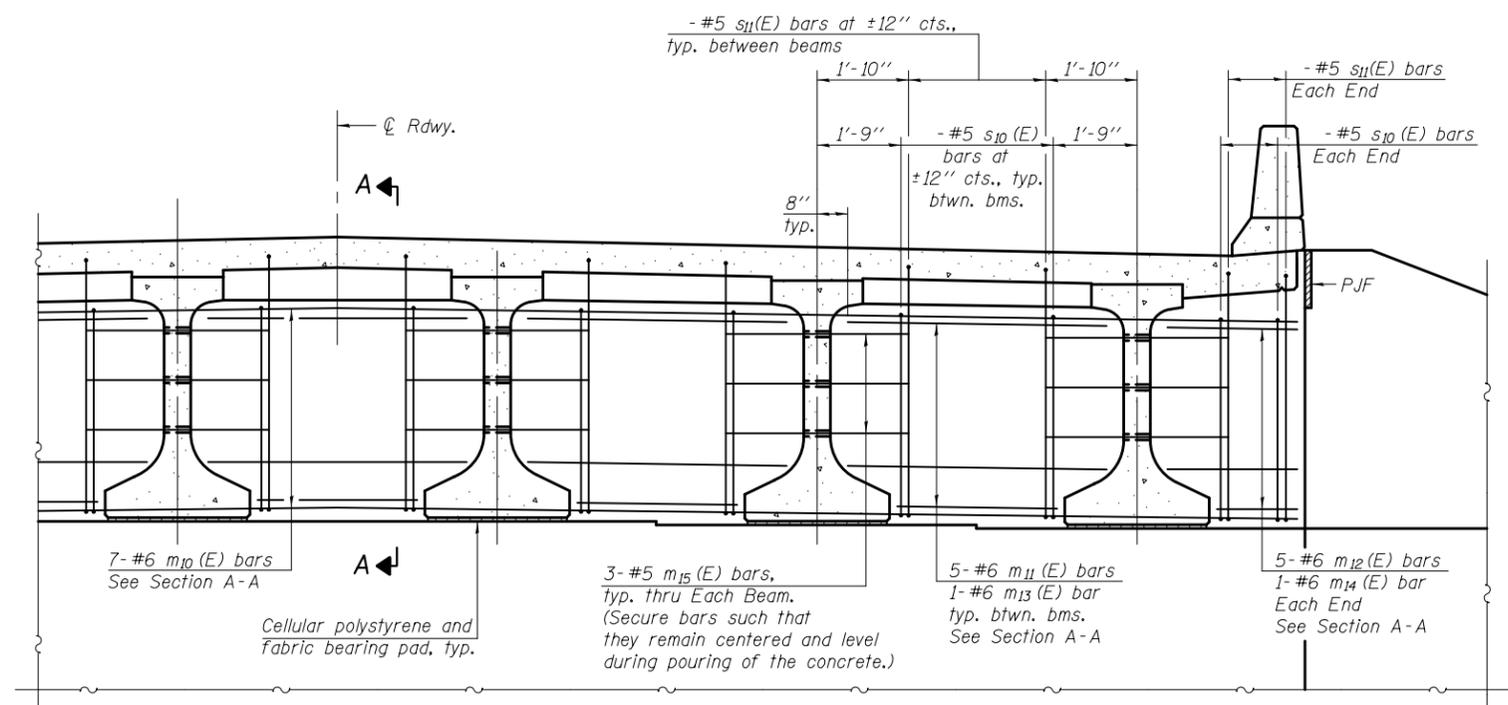
DIA-IL6372N-L 10-7-2016

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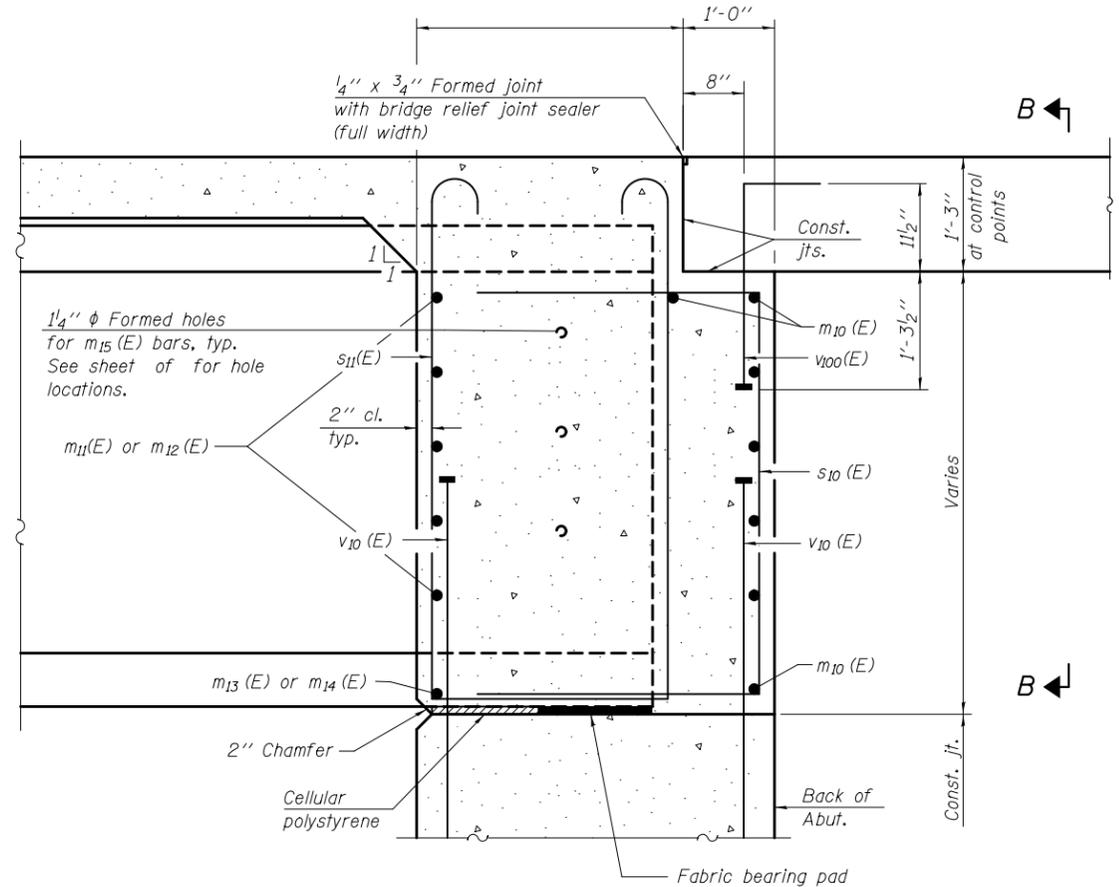
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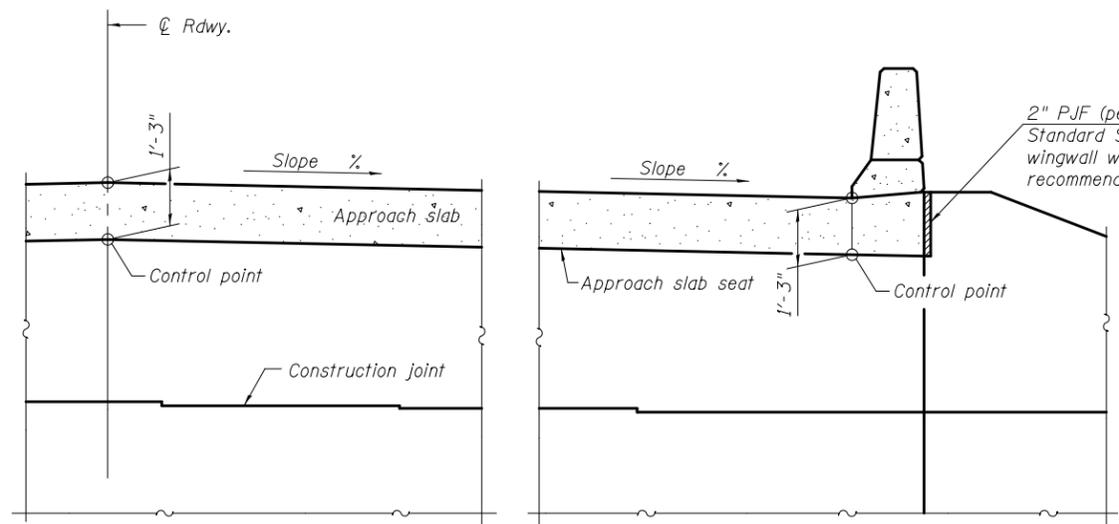
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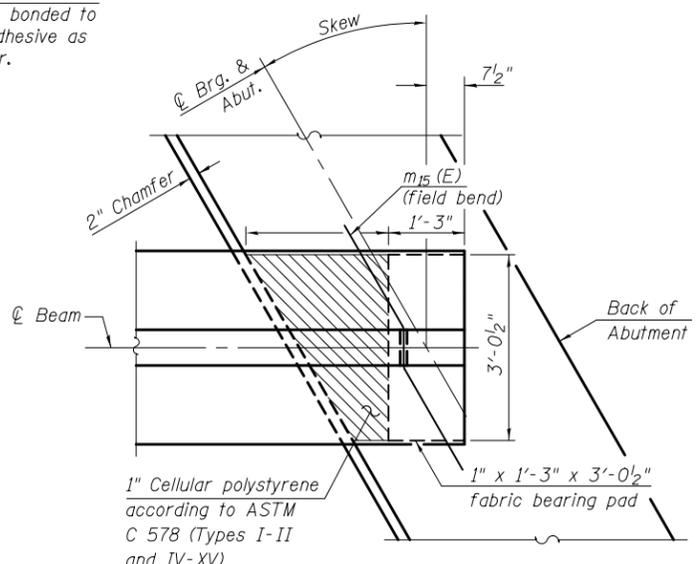
**DIAPHRAGM AT ABUTMENT**



**SECTION A-A**  
(at Rt. L's)



**SECTION B-B**



**PLAN AT ABUTMENT**  
(Showing bottom flange of beam)

Notes:  
Reinforcement bars in diaphragm are billed with superstructure on sheet of .  
Concrete in diaphragm is included with Concrete Superstructure on sheet of .  
For details of bars s<sub>10</sub>(E), s<sub>11</sub>(E) and v<sub>100</sub>(E) see sheet of .  
The s<sub>10</sub>(E) and s<sub>11</sub>(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.  
The approach slab seat shall have a constant slope determined from the control points shown.  
Cost of cellular polystyrene is included with Concrete Superstructure.  
Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

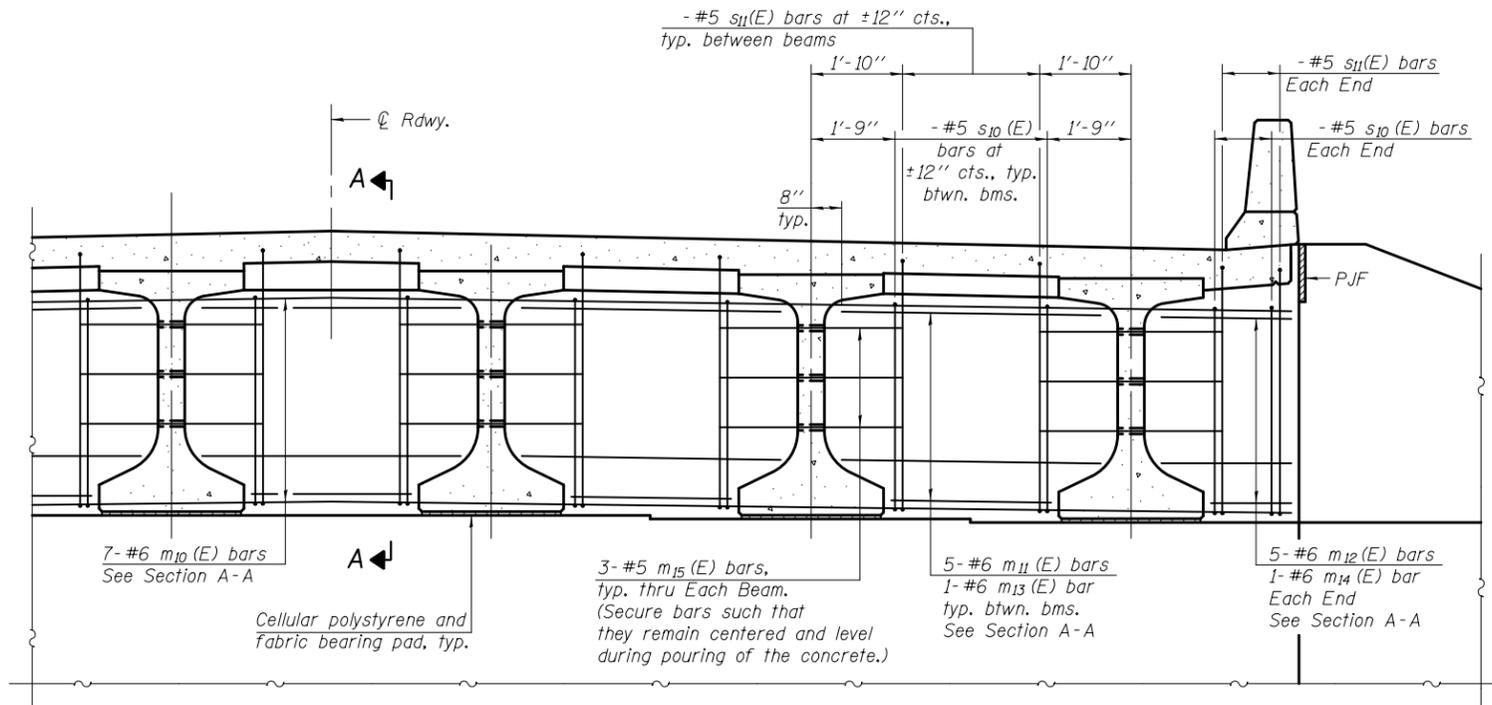
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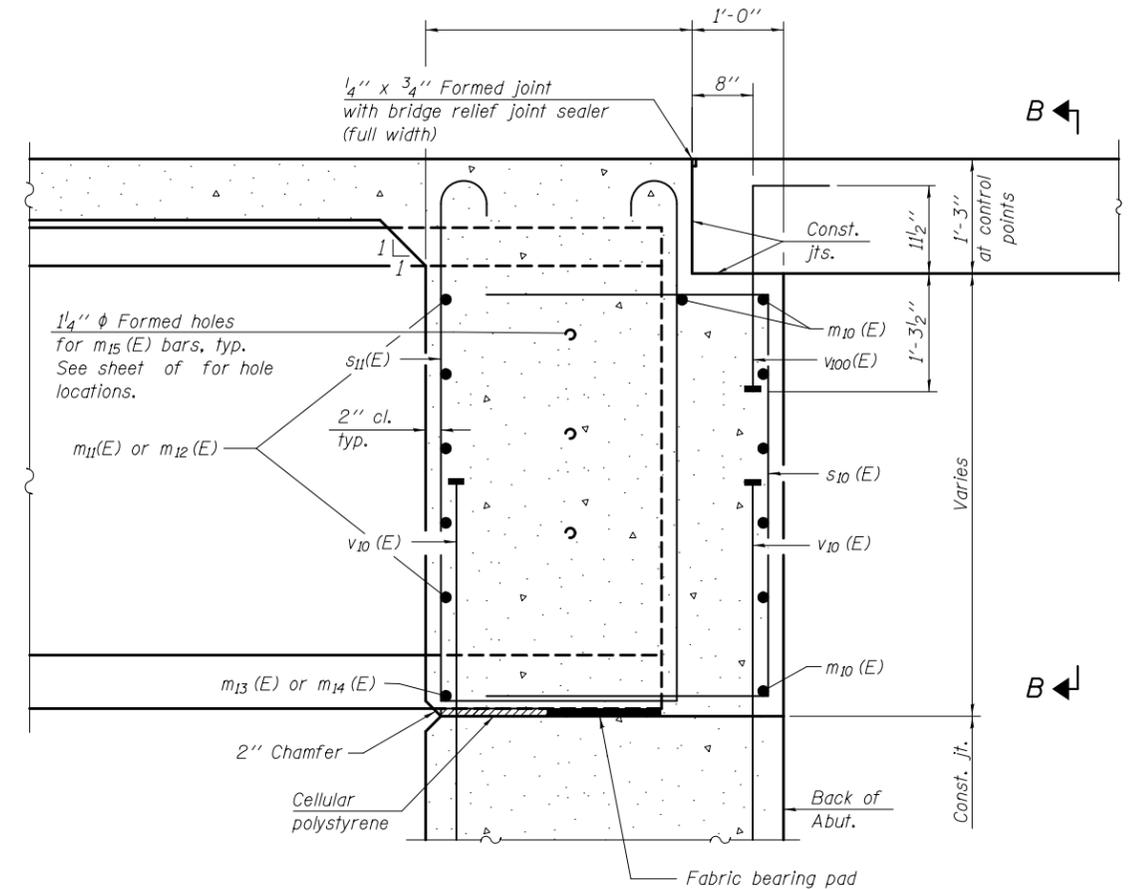
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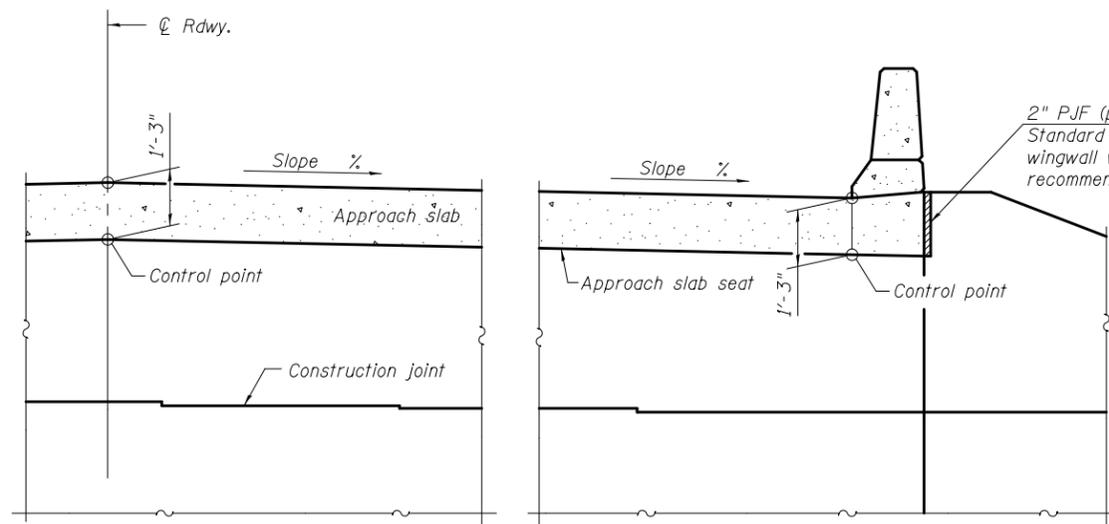
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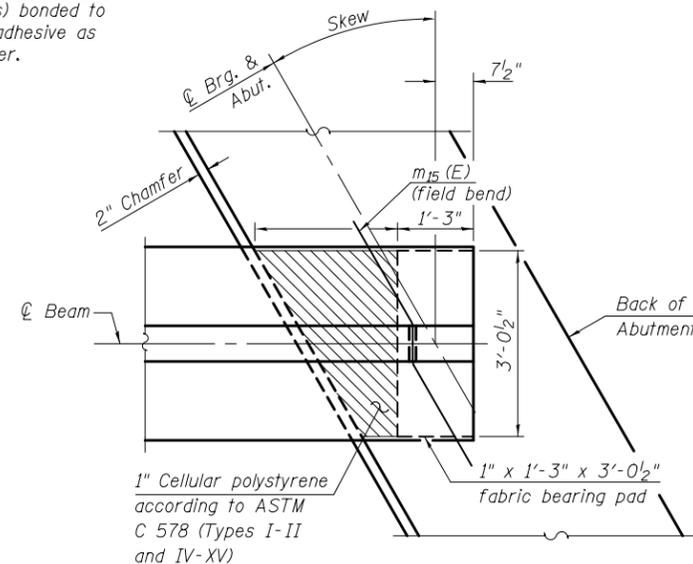
**DIAPHRAGM AT ABUTMENT**



**SECTION A-A**  
(at Rt. L's)



**SECTION B-B**



**PLAN AT ABUTMENT**  
(Showing bottom flange of beam)

Notes:

Reinforcement bars in diaphragm are billed with superstructure on sheet of .

Concrete in diaphragm is included with Concrete Superstructure on sheet of .

For details of bars s<sub>10</sub>(E), s<sub>11</sub>(E) and v<sub>100</sub>(E) see sheet of .

The s<sub>10</sub>(E) and s<sub>11</sub>(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.

The approach slab seat shall have a constant slope determined from the control points shown.

Cost of cellular polystyrene is included with Concrete Superstructure.

Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

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DIAPHRAGM DETAILS  
STRUCTURE NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				