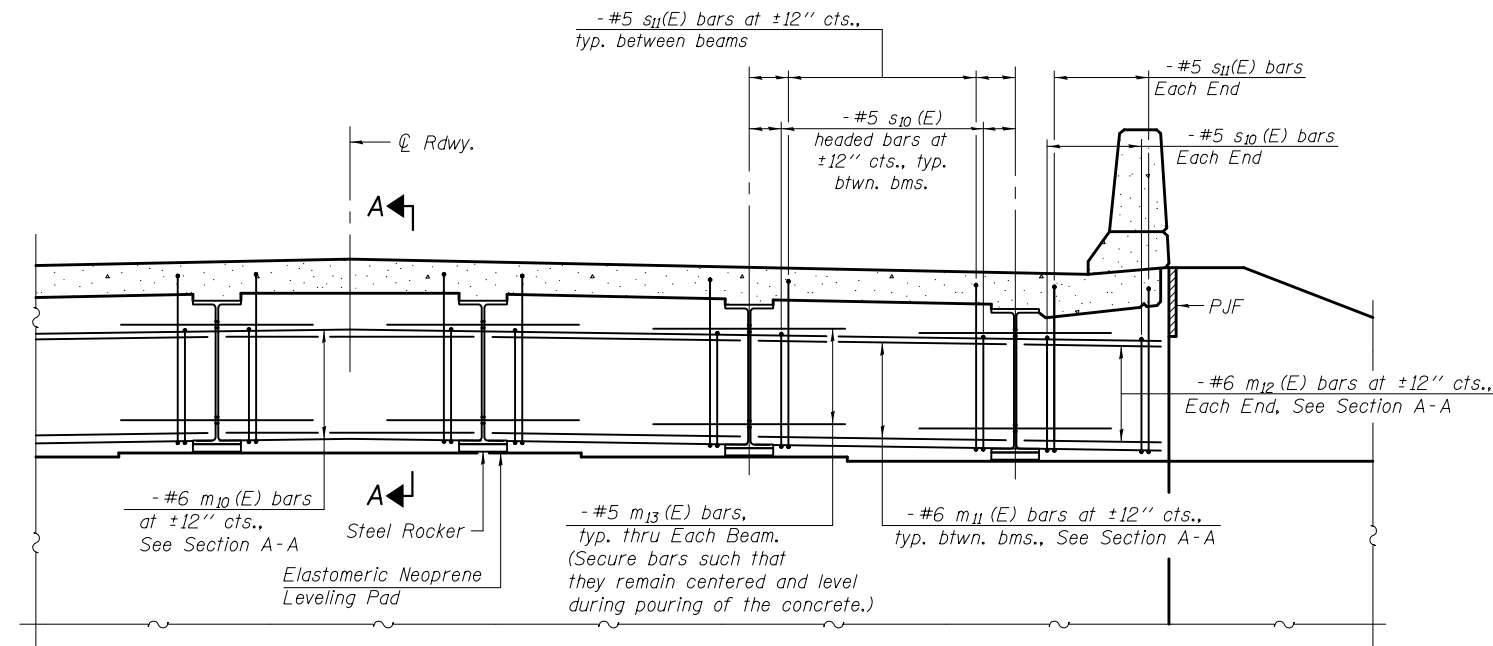
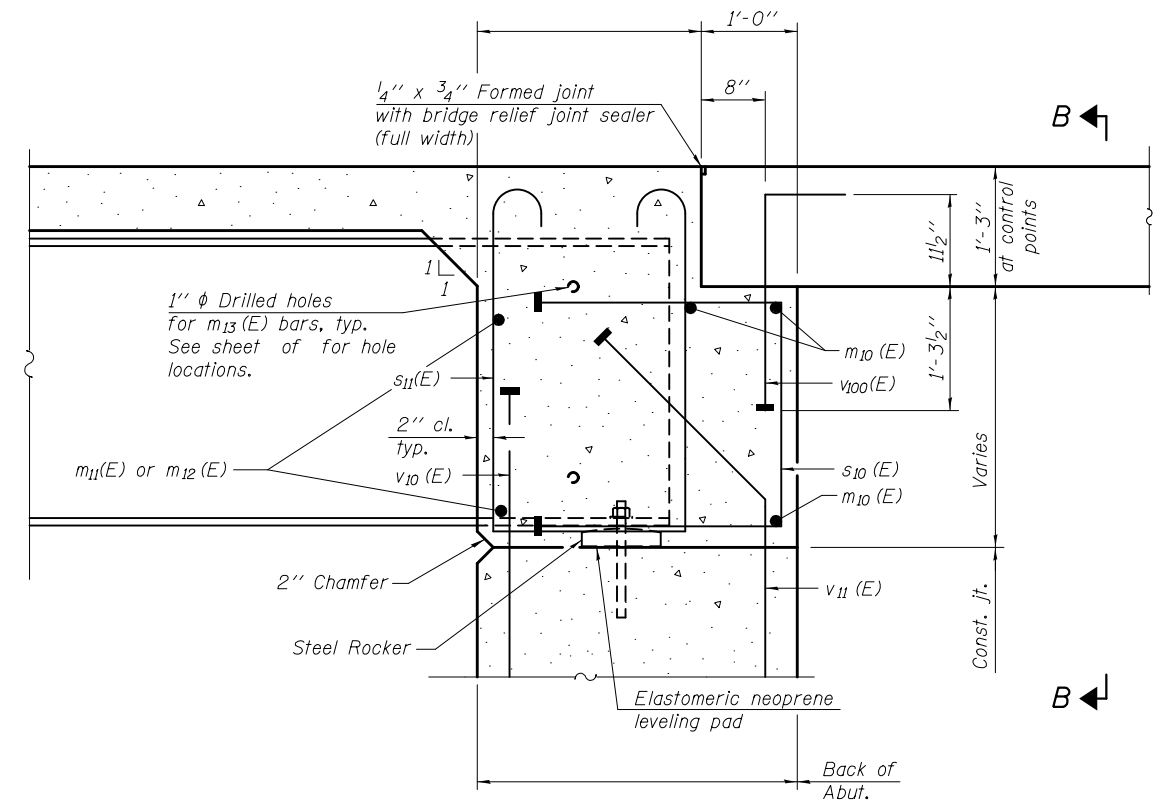


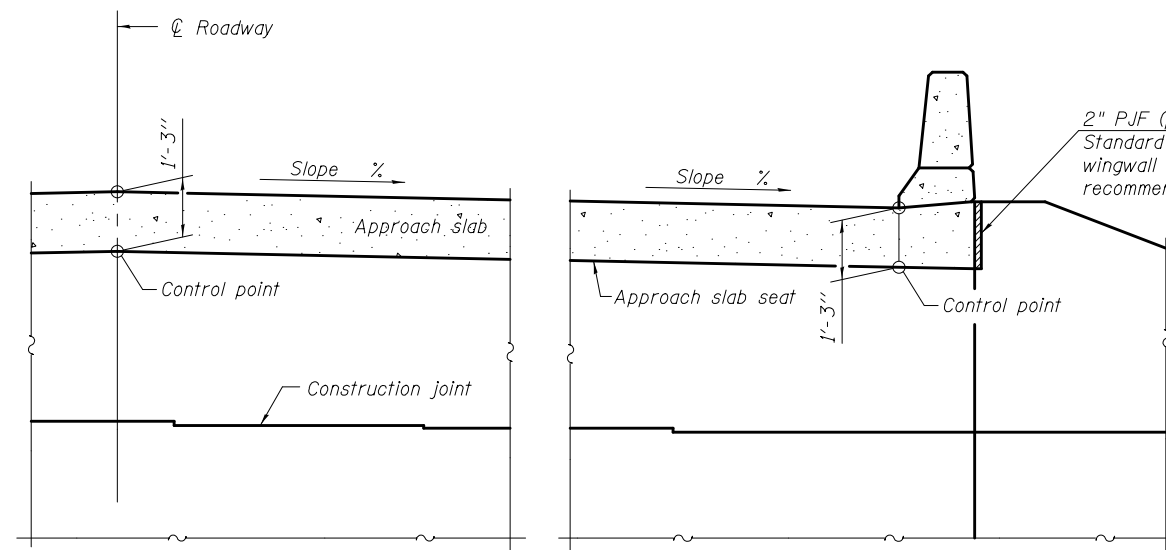
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DIA-SB2448-0	Diaphragm Integral Abutment; Steel beam 24-48 inch beam depth; No skew	11/22/2016
DIA-SB2448-L	Diaphragm Integral Abutment; Steel beam 24-48 inch beam depth; Left skew	11/22/2016
DIA-SB2448-R	Diaphragm Integral Abutments; Steel beam 24-48 inch beam depth; Right skew	11/22/2016
DIA-SB-Greater than 48-0	Diaphragm Integral Abutment; Steel beam Greater than 48 inch depth beam; No skew	11/22/2016
DIA-SB-Greater than 48-L	Diaphragm Integral Abutment; Steel beam Greater than 48 inch beam depth; Left skew	11/22/2016
DIA-SB-Greater than 48-R	Diaphragm Integral Abutment; Steel beam Greater than 48 inch beam depth; Right skew	11/22/2016



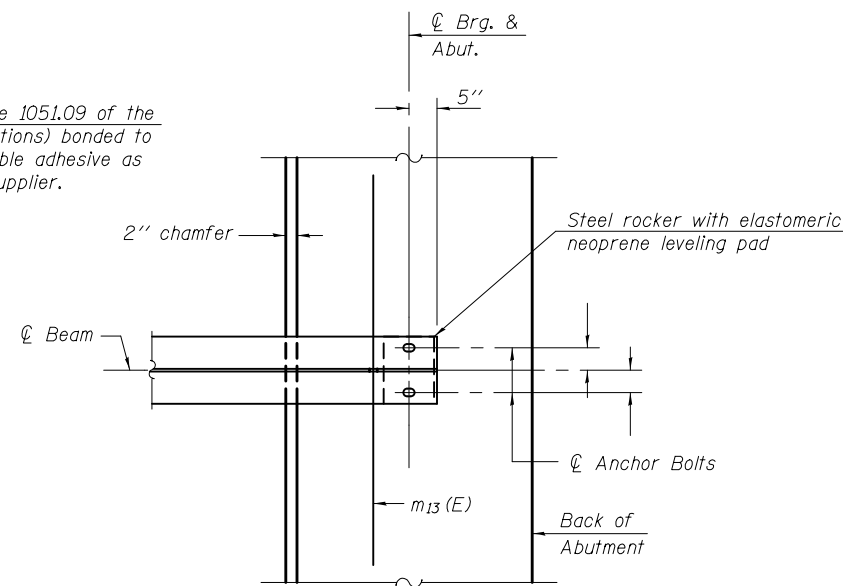
DIAPHRAGM AT ABUTMENT



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 $s_{10}(E)$, $s_{11}(E)$ and $v_{100}(E)$ see sheet of .
 The approach slab seat shall have a constant slope determined from the control points shown.
 For bearing details see sheet of .
 Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

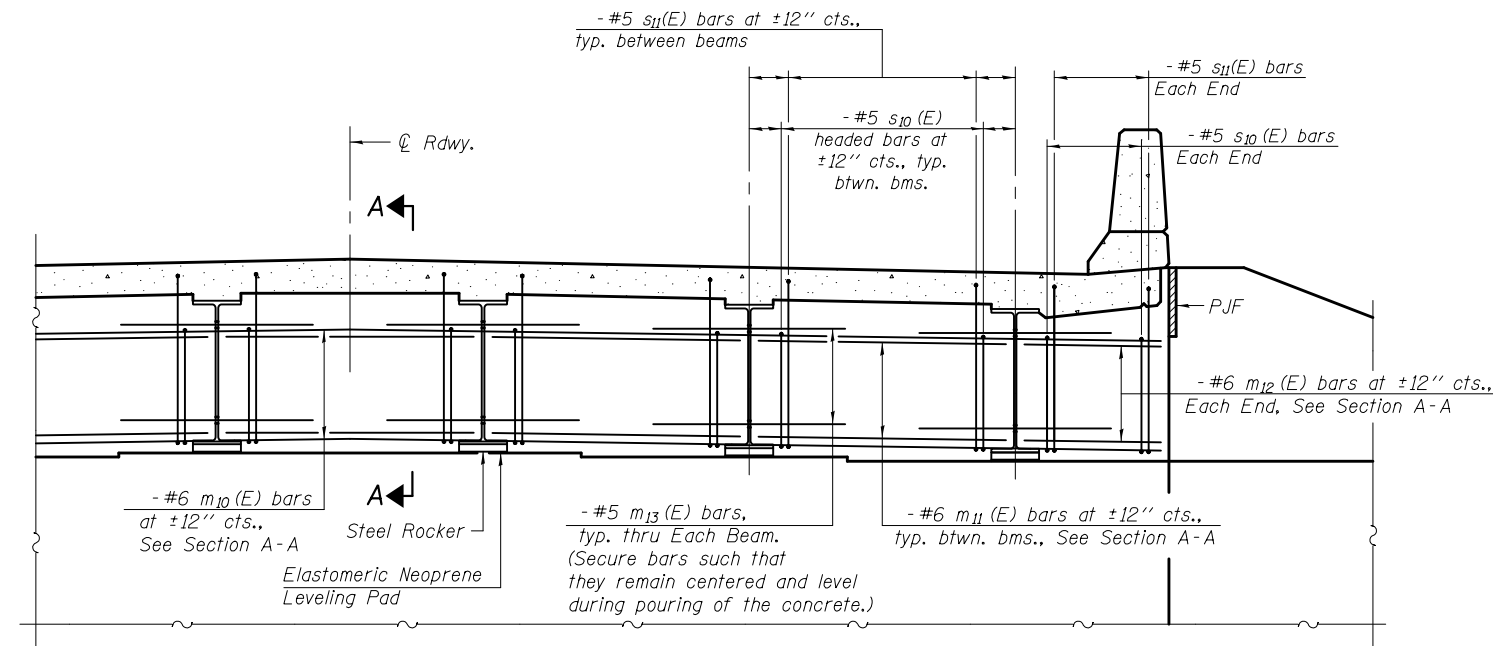
DIA-SB2448-0 11-22-2016

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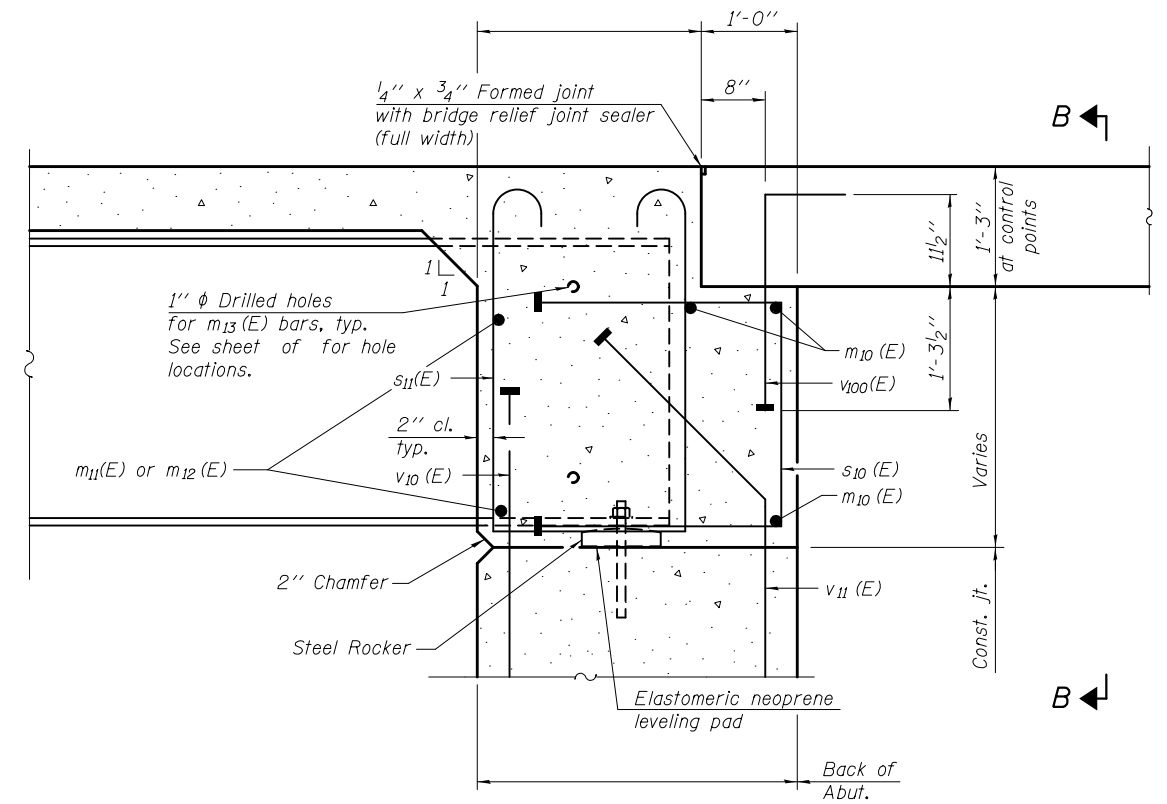
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIAPHRAGM DETAILS
STRUCTURE NO.

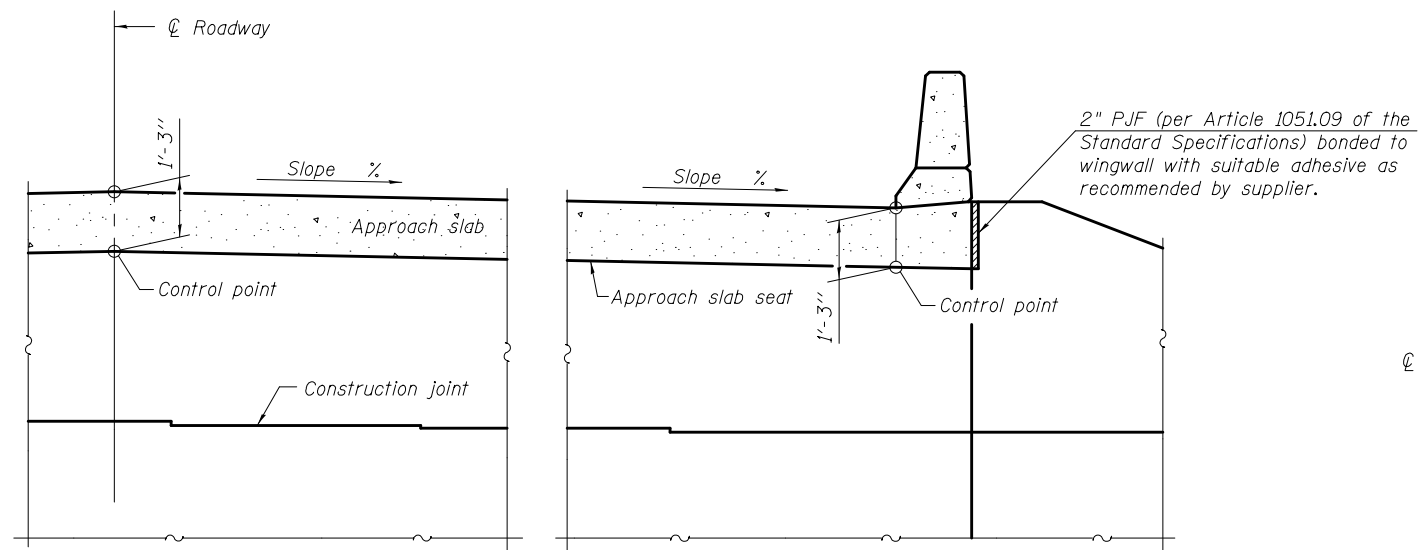
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CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



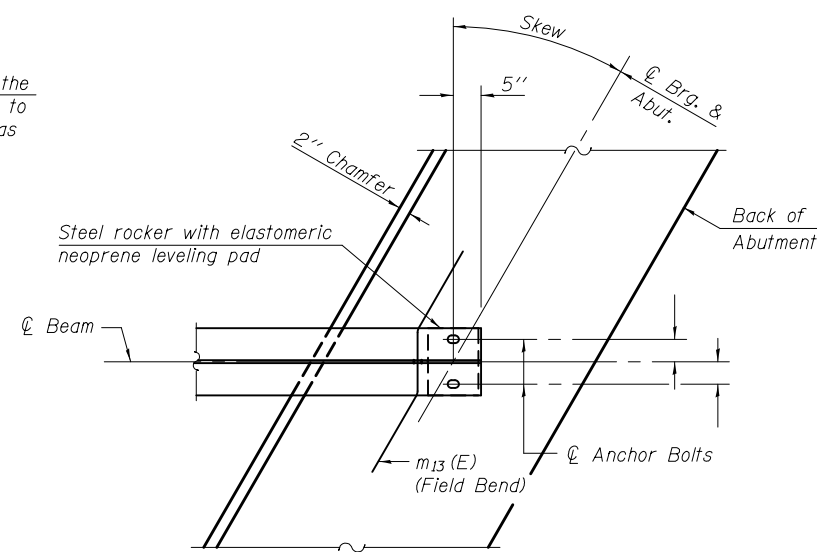
DIAPHRAGM AT ABUTMENT



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.
 For bearing details see sheet of .
 Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

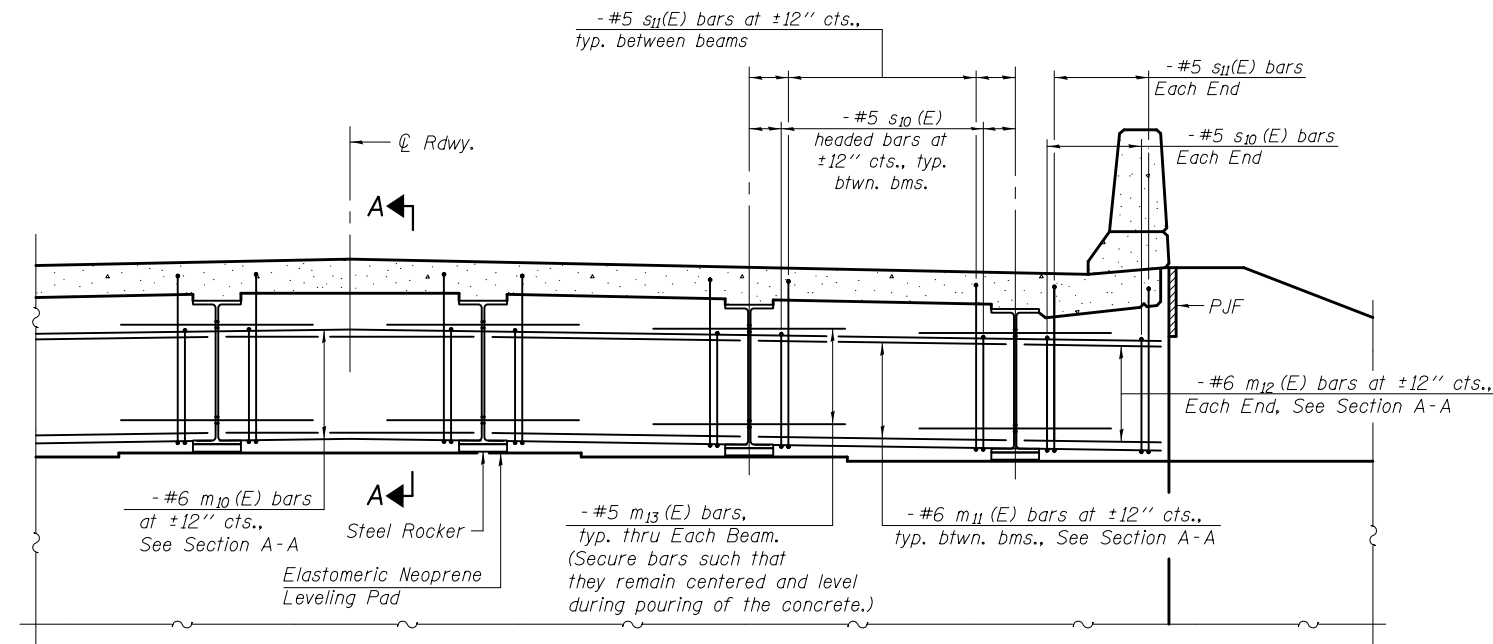
DIA-SB2448-L 11-22-2016

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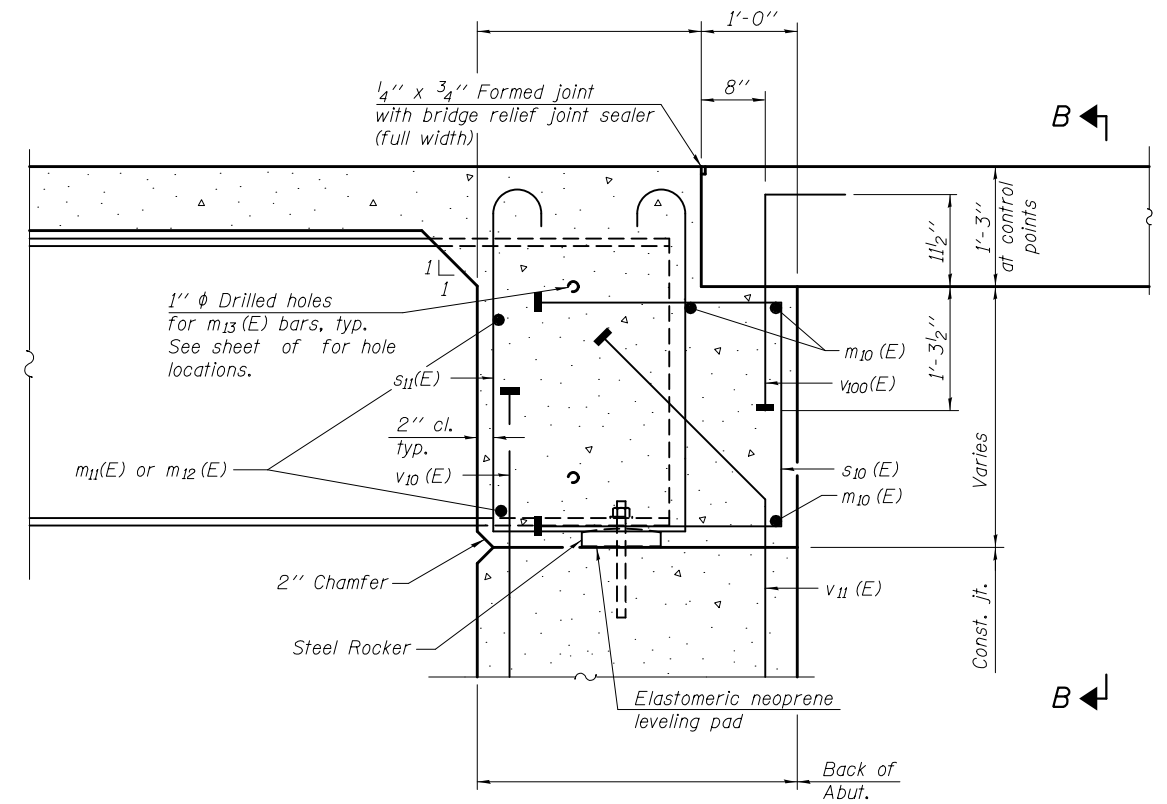
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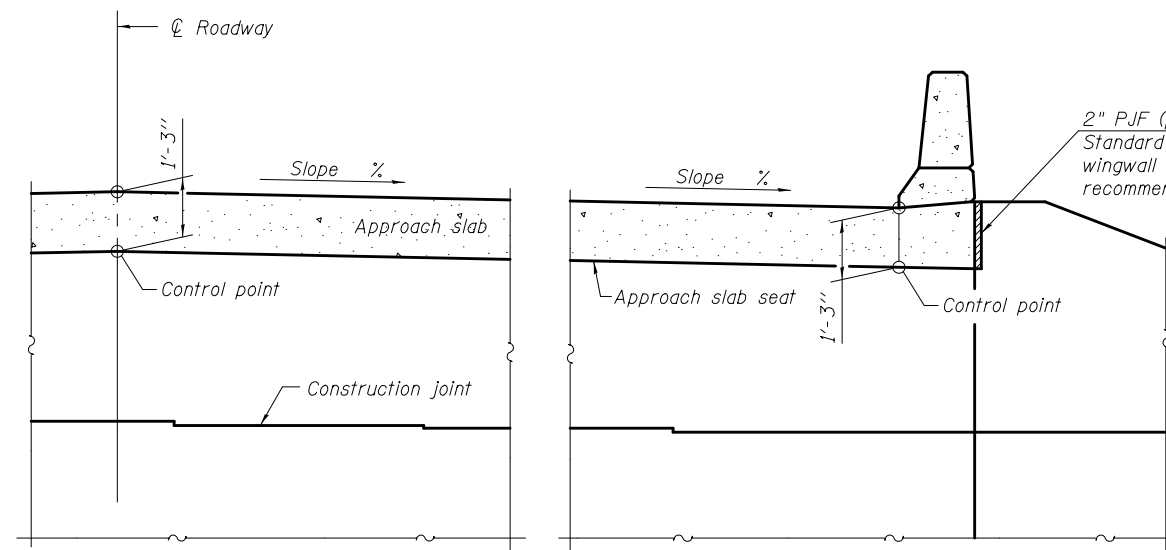
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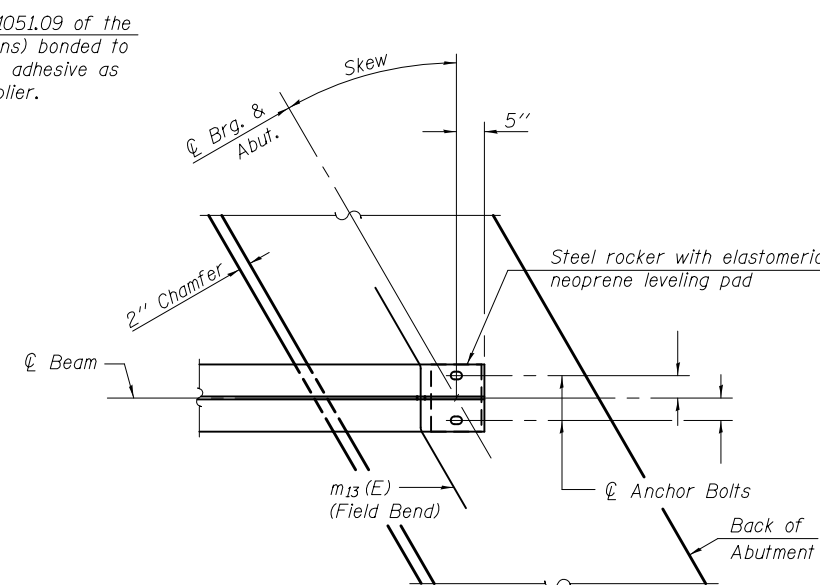
DIAPHRAGM AT ABUTMENT



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 $s_{10}(E)$, $s_{11}(E)$ 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.
 For bearing details see sheet of .
 Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

DIA-SB2448-R 11-22-2016

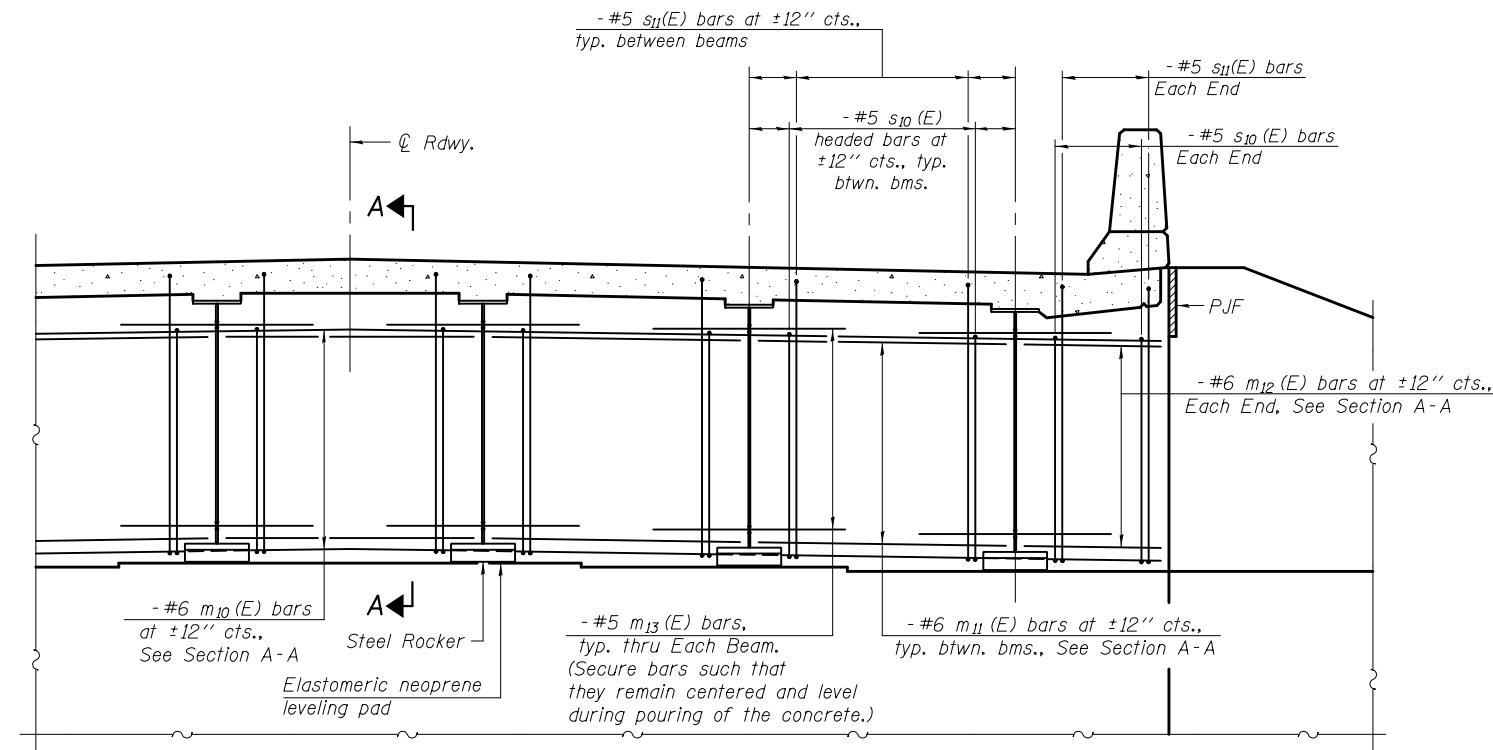
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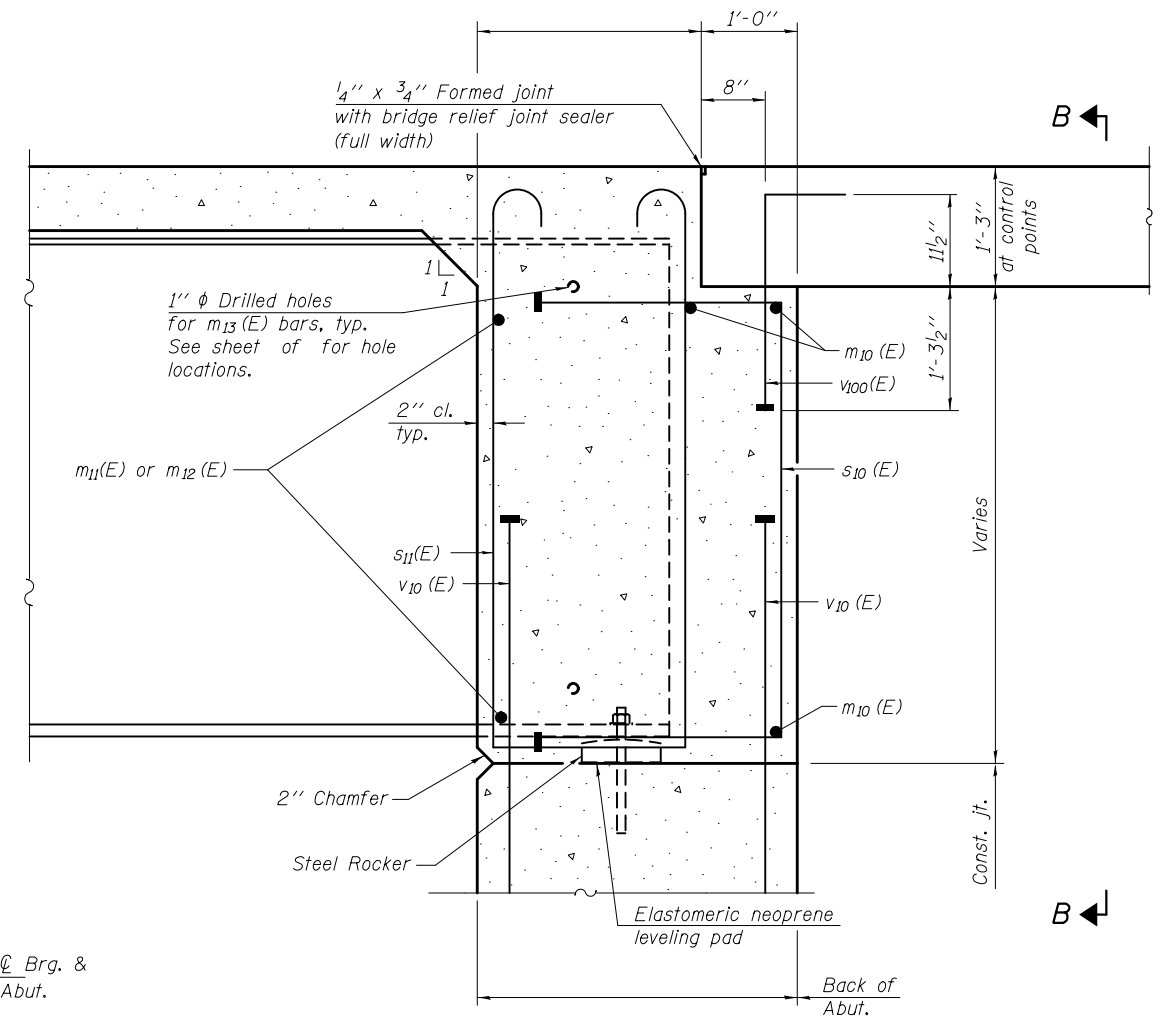
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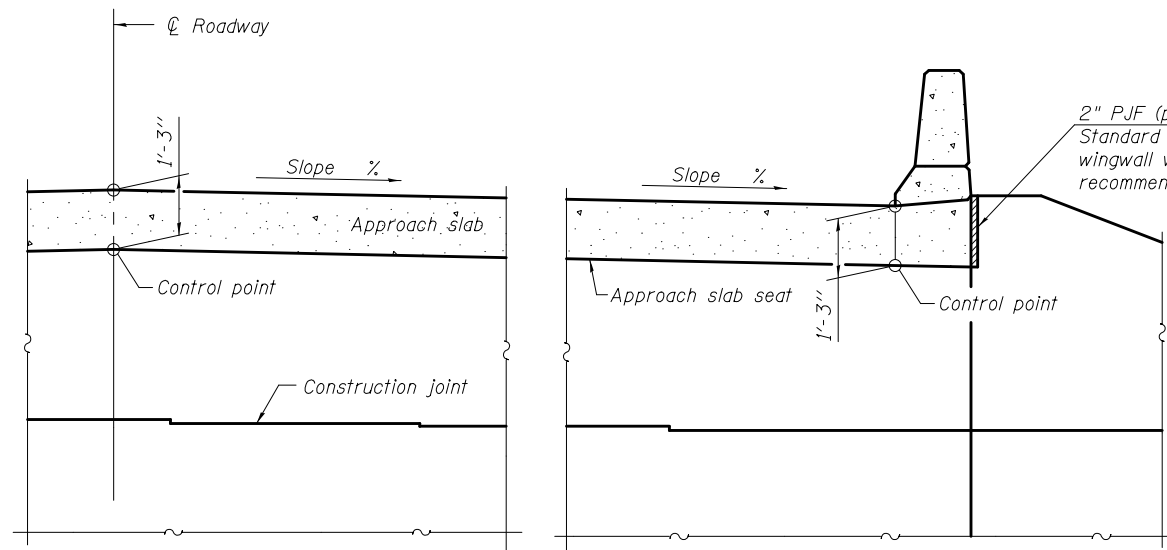
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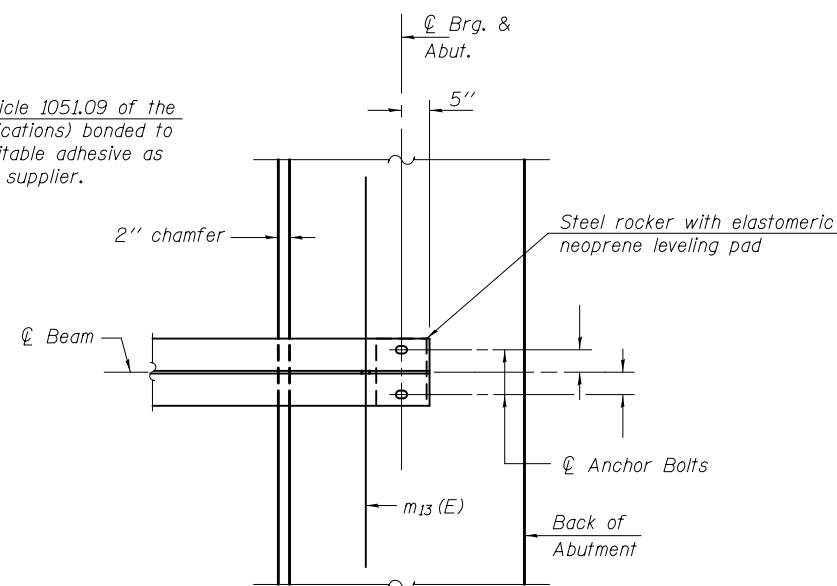
DIAPHRAGM AT ABUTMENT



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 $s_{10}(E)$, $s_{11}(E)$ and $v_{100}(E)$ see sheet of .
 The approach slab seat shall have a constant slope determined from the control points shown.
 For bearing details see sheet of .
 Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

DIA-SB>48-0

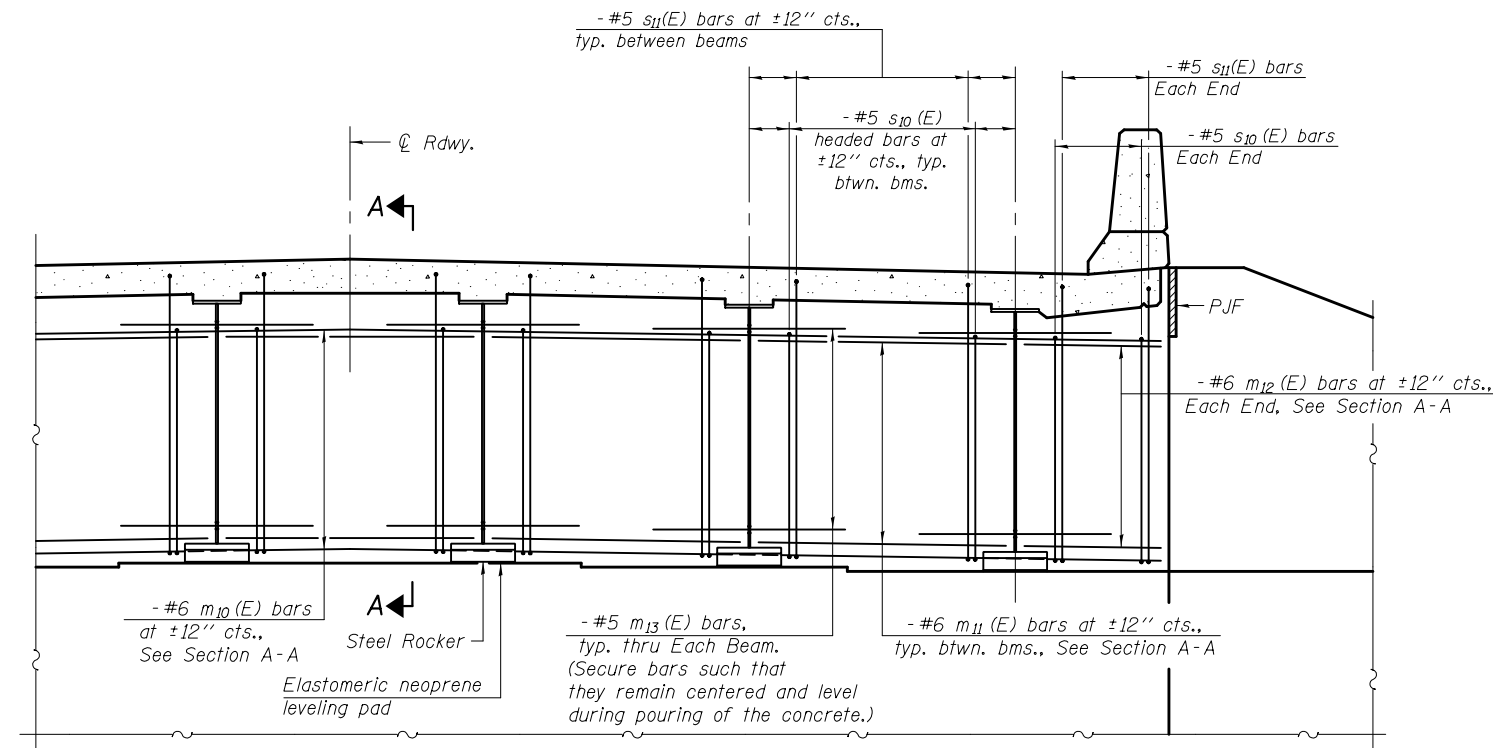
11-22-2016

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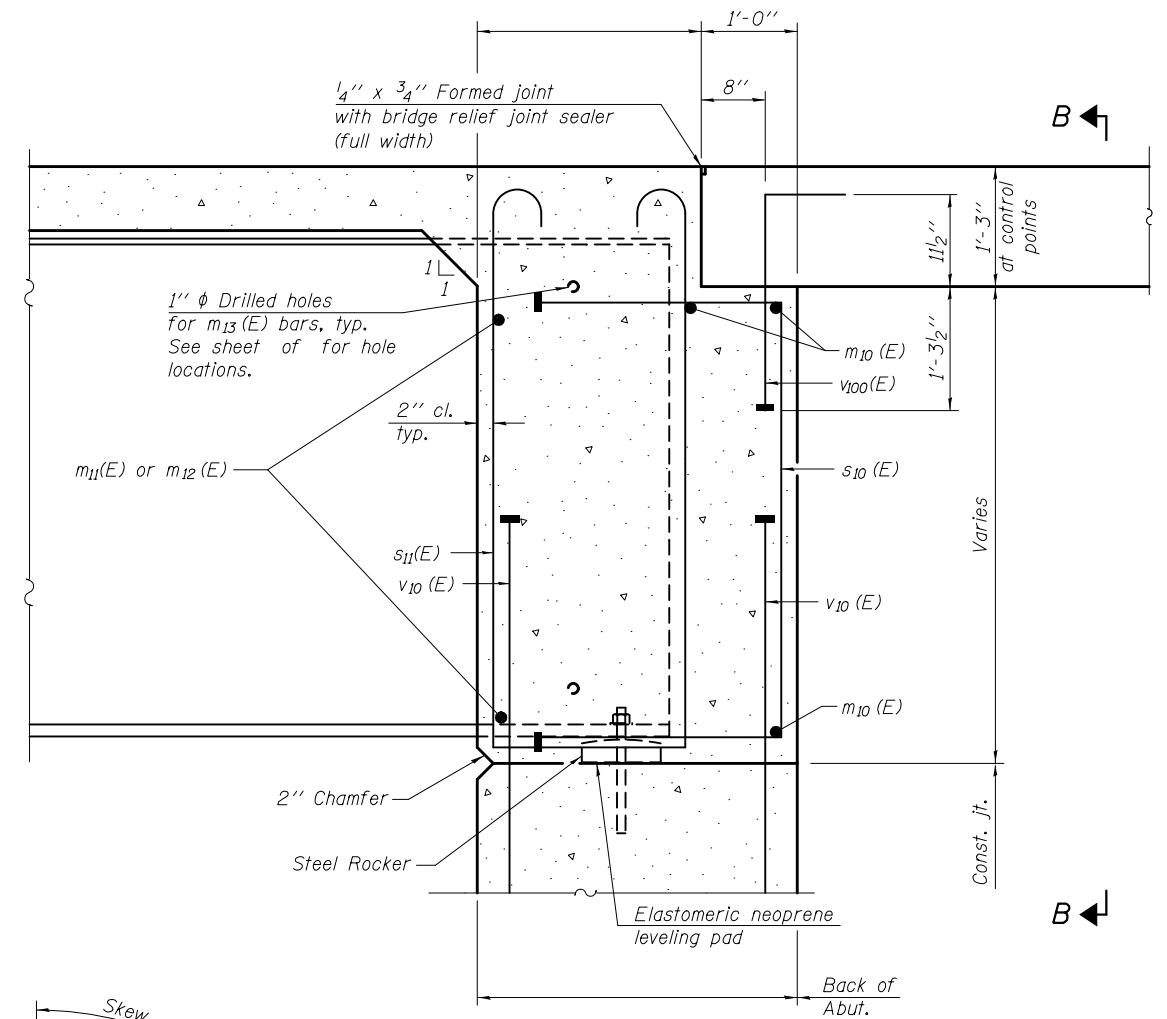
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**DIAPHRAGM DETAILS
STRUCTURE NO.**

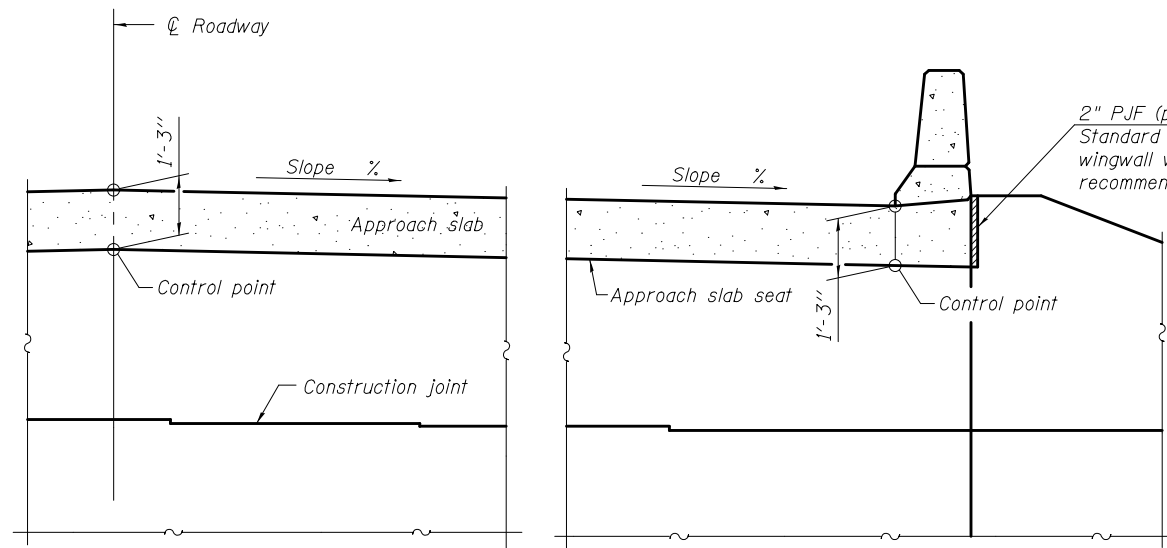
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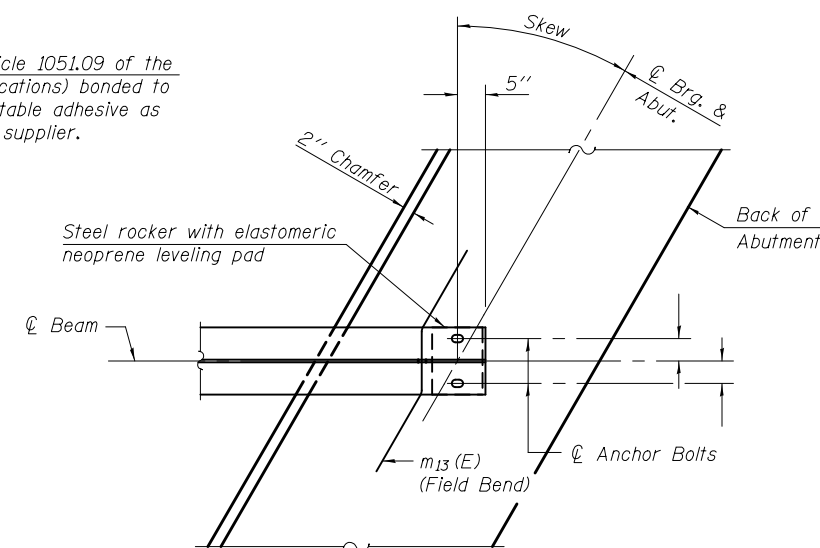
DIAPHRAGM AT ABUTMENT



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 $s_{10}(E)$, $s_{11}(E)$ 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.
 For bearing details see sheet of .
 Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

DIA-SB>48-L

11-22-2016

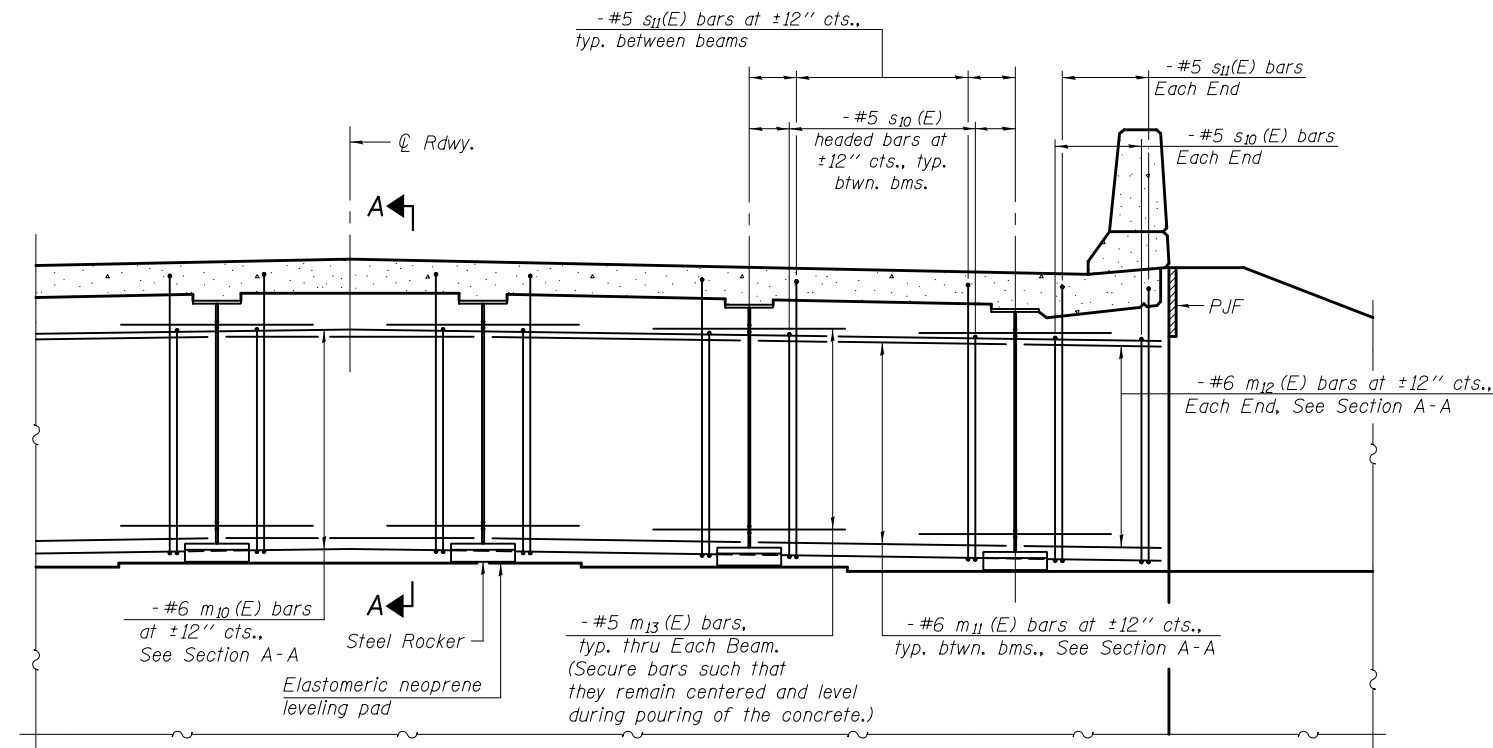
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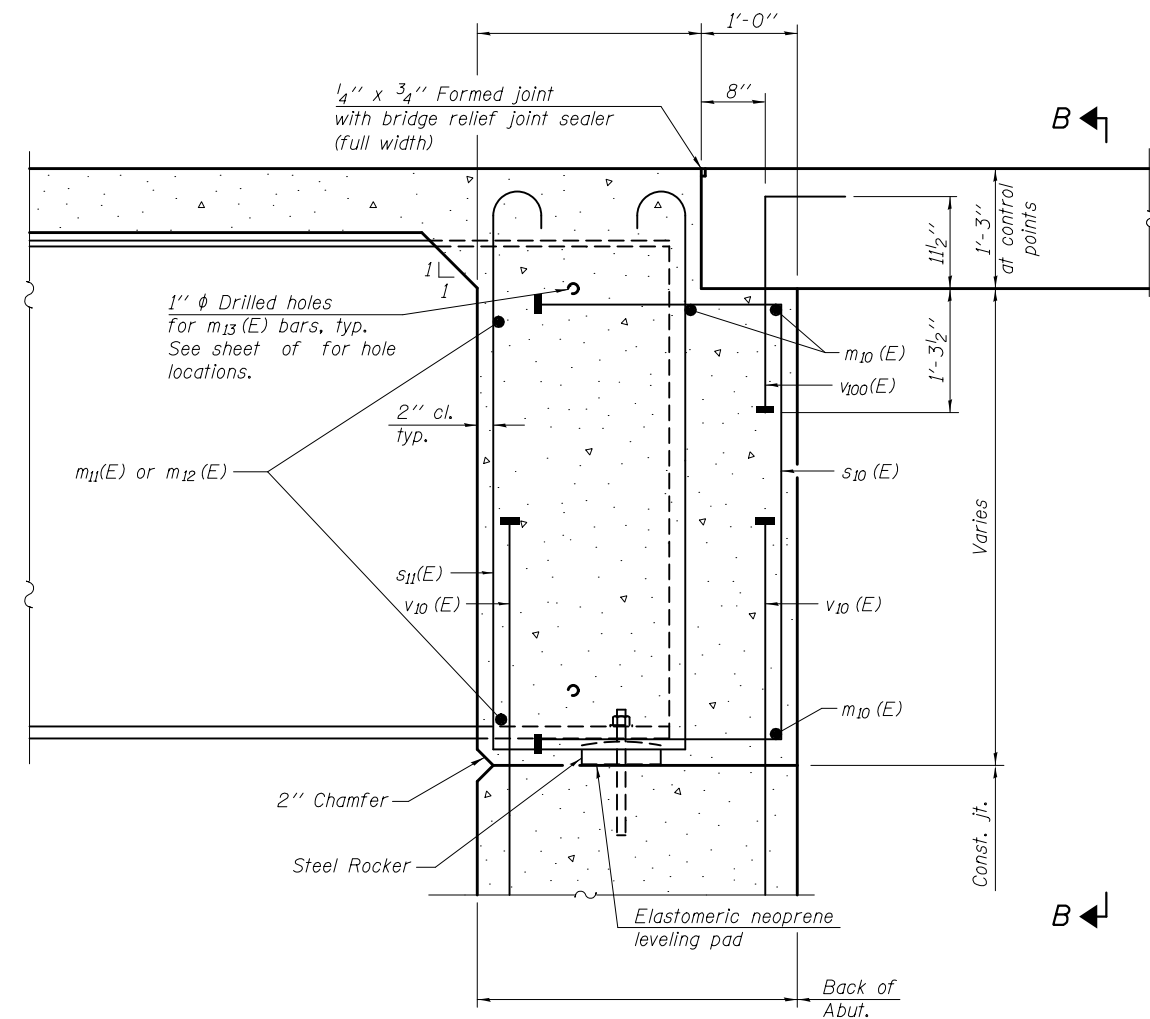
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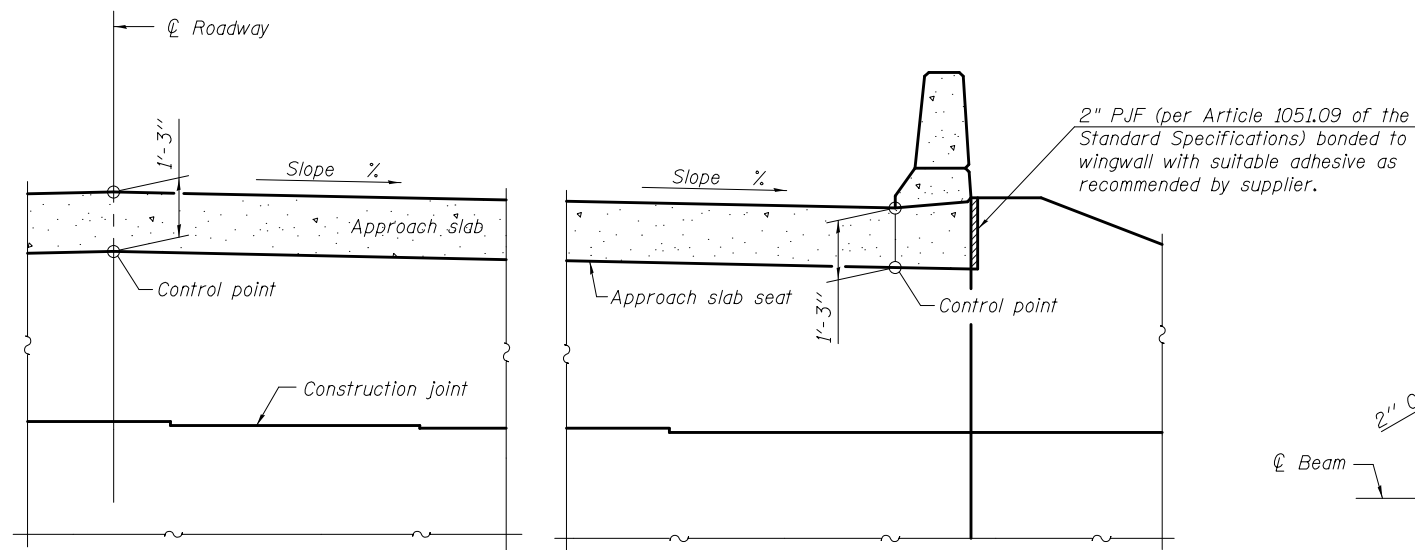
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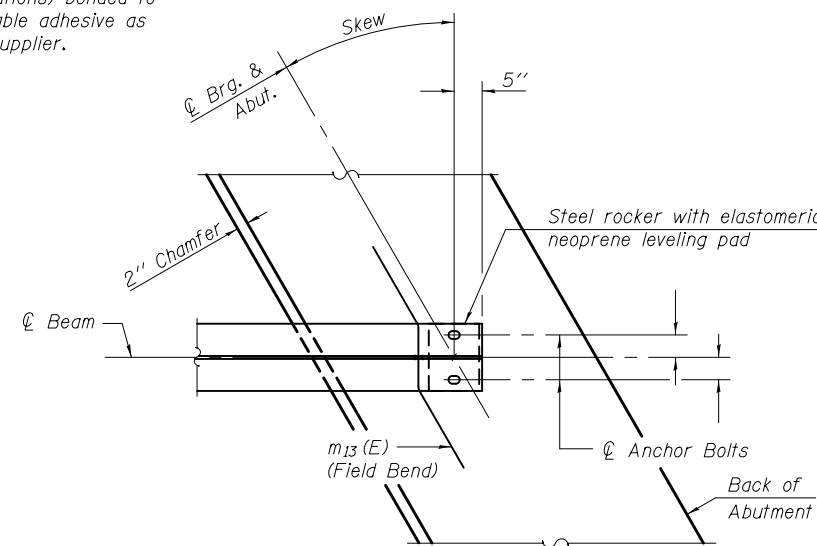
DIAPHRAGM AT ABUTMENT



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 $s_{10}(E)$, $s_{11}(E)$ 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.
 For bearing details see sheet of .
 Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

DIA-SB>48-R

11-22-2016

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STRUCTURE NO.

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