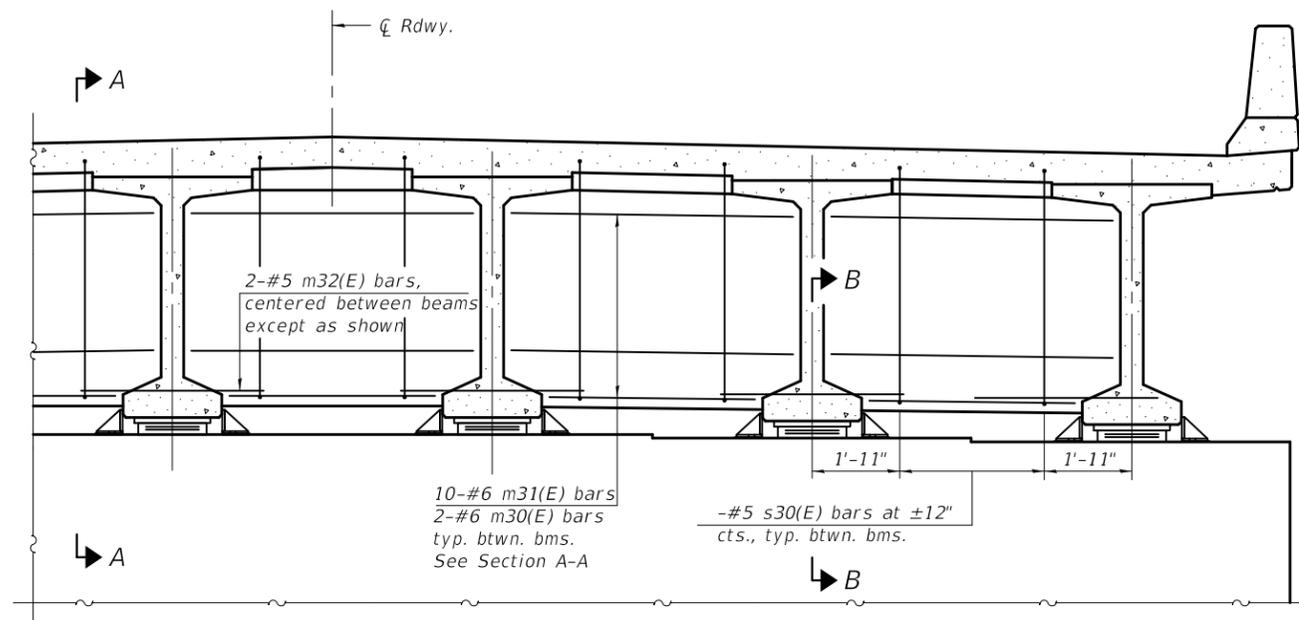
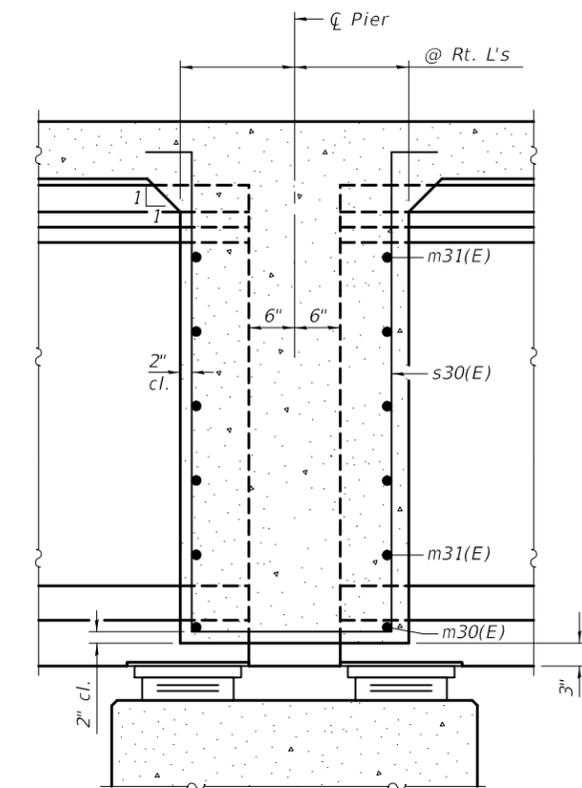


CELL / MODEL NAME	DESCRIPTION	DATE
DEP-BT6372	Diaphragm expansion pier; Bulb T-Beam 63-72 inch beam depth	2/17/2017
DEP-I3642	Diaphragm expansion pier; I-Beam 36-42 inch beam depth	2/17/2017
DEP-I4854	Diaphragm expansion pier; I-Beam 48-54 inch beam depth	2/17/2017
DEP-IL27	Diaphragm expansion pier; IL 27 inch beam depth	2/17/2017
DEP-IL36	Diaphragm expansion pier; IL 36 inch beam depth	2/17/2017
DEP-IL36N	Diaphragm expansion pier; IL 36 inch beam depth narrow top	2/17/2017
DEP-IL4554	Diaphragm expansion pier; IL 45-54 inch beam depth	2/17/2017
DEP-IL4554N	Diaphragm expansion pier; IL 45-54 inch beam depth narrow top	2/17/2017
DEP-IL6372	Diaphragm expansion pier; IL 63-72 inch beam depth	2/17/2017
DEP-IL6372N	Diaphragm expansion pier; IL 63-72 inch beam depth narrow top	2/17/2017

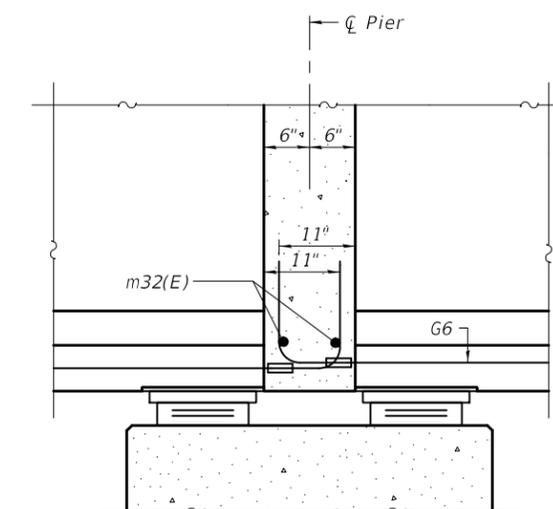


DIAPHRAGM AT PIER

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 bar s30(E) see sheet of .
 The s30(E) bars shall be placed parallel to the beams.
 Spacing for these bars shall be at right angles to the beams.
 Horizontal dimensions for Section A-A and Section B-B are along \bar{C} of beam unless otherwise noted.



SECTION A-A



SECTION B-B

DEP-BT6372

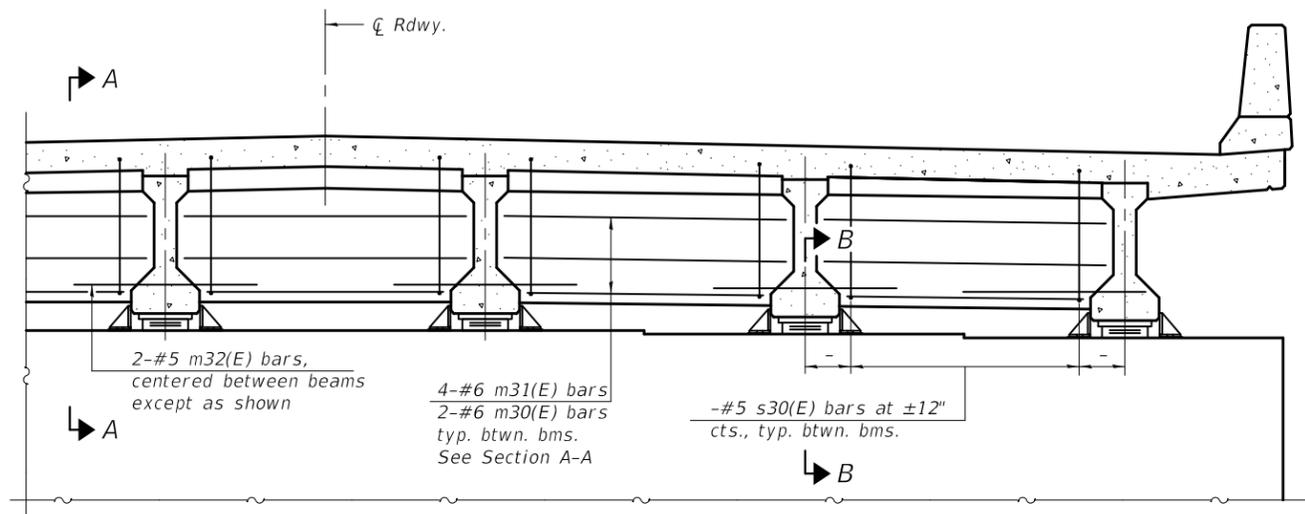
2-17-2017

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
		CHECKED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -

**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				



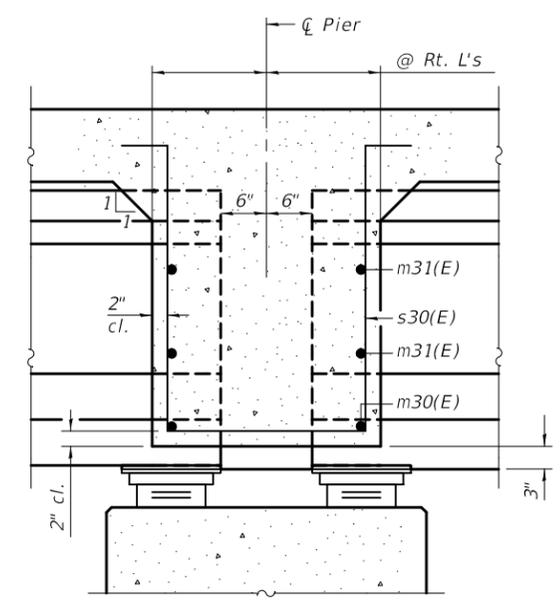
2-#5 m32(E) bars,
centered between beams
except as shown

4-#6 m31(E) bars
2-#6 m30(E) bars
typ. btwn. bms.
See Section A-A

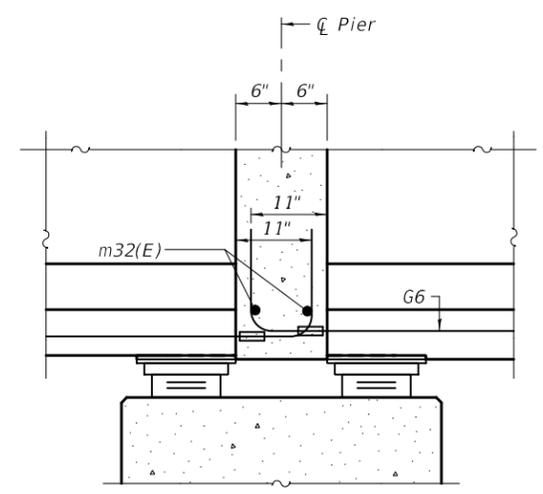
-#5 s30(E) bars at ±12"
cts., typ. btwn. bms.

DIAPHRAGM AT PIER

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 bar s30(E) see sheet of .
The s30(E) bars shall be placed parallel to the beams.
Spacing for these bars shall be at right angles to the beams.
Horizontal dimensions for Section A-A and Section B-B are along ζ of beam unless otherwise noted.



SECTION A-A



SECTION B-B

DEP-13642

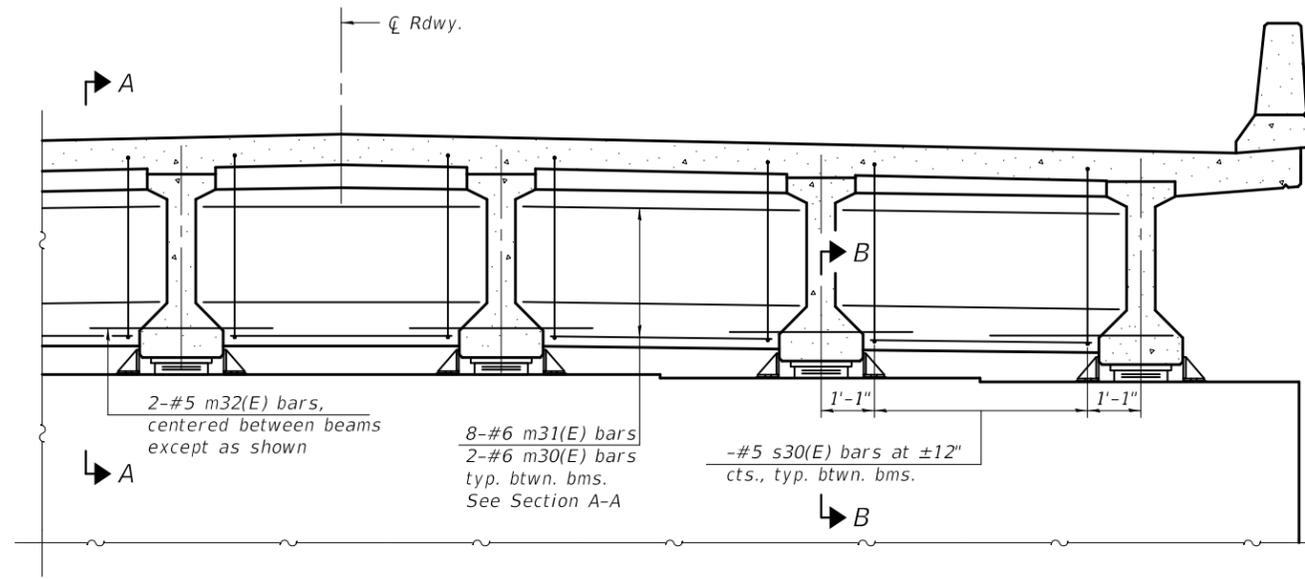
2-17-2017

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
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		CHECKED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

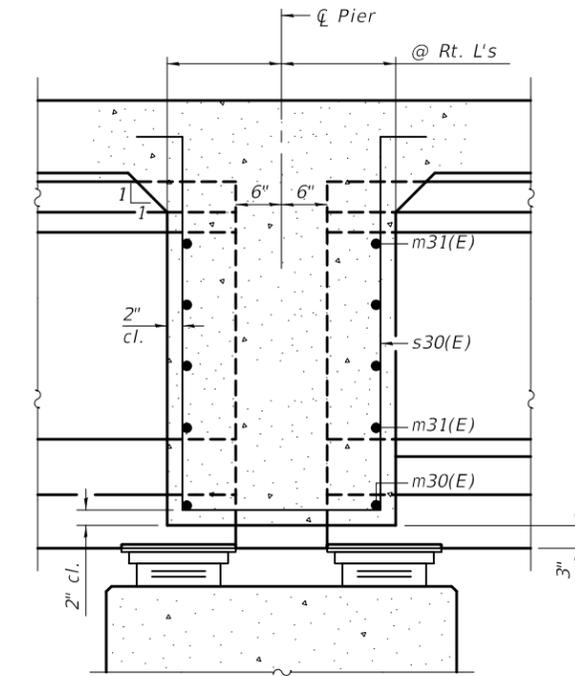
**DIAPHRAGM DETAILS
STRUCTURE NO.**

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

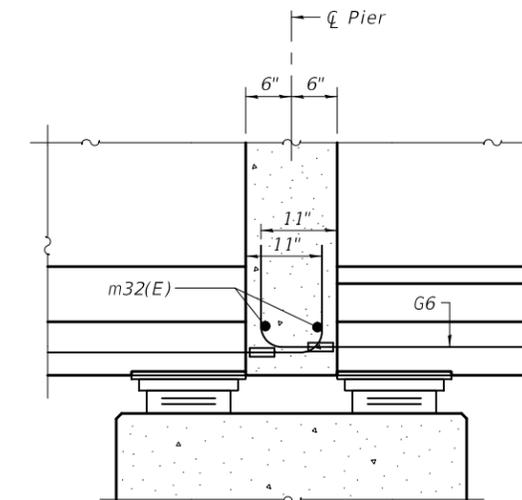


DIAPHRAGM AT PIER

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 bar s30(E) see sheet of .
 The s30(E) bars shall be placed parallel to the beams.
 Spacing for these bars shall be at right angles to the beams.
 Horizontal dimensions for Section A-A and Section B-B are along Cl of beam unless otherwise noted.



SECTION A-A



SECTION B-B

DEP-14854

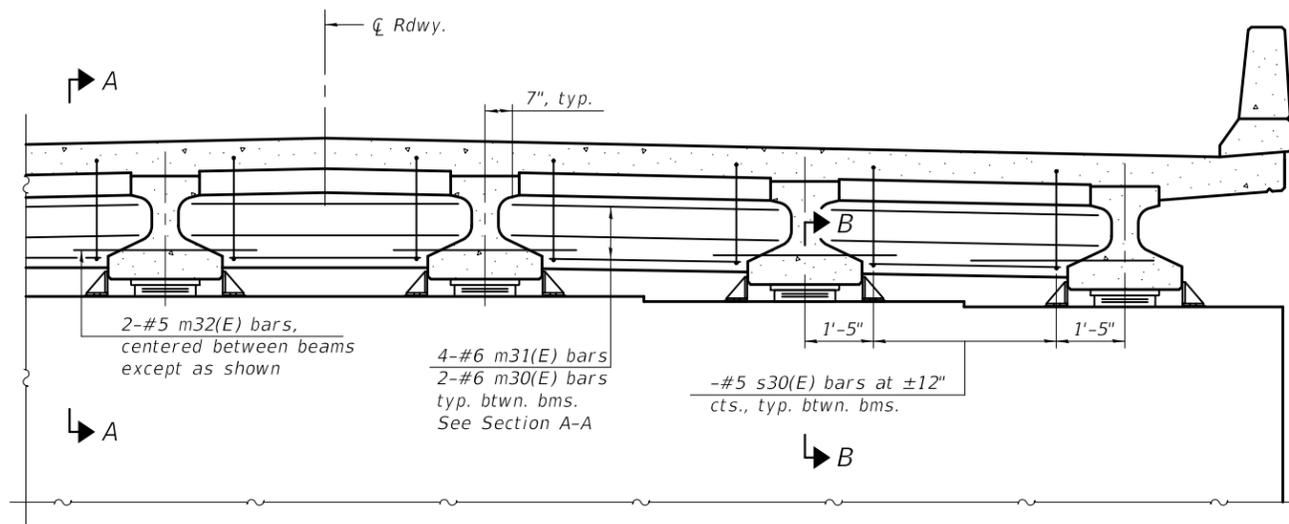
2-17-2017

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
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		CHECKED -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

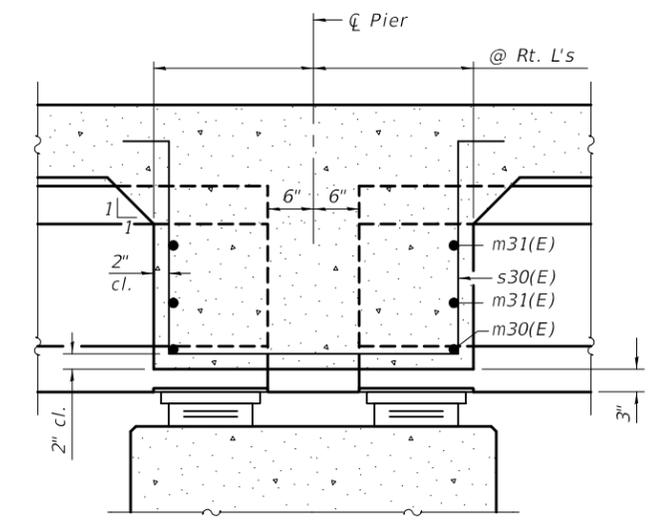
**DIAPHRAGM DETAILS
 STRUCTURE NO.**

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

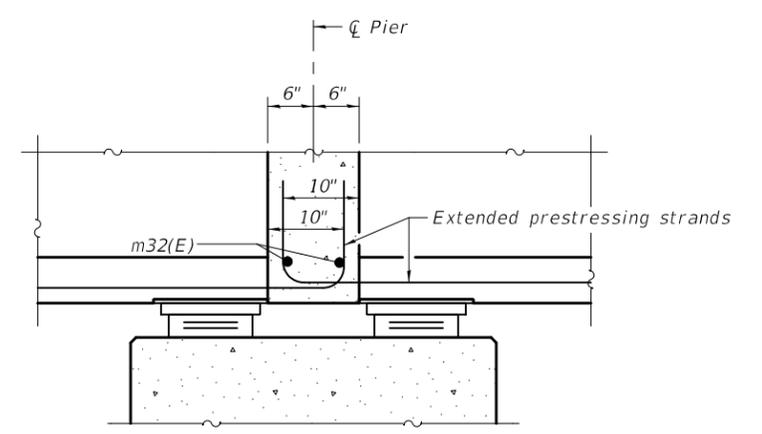


DIAPHRAGM AT PIER

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 bar s30(E) see sheet of .
 The s30(E) bars shall be placed parallel to the beams.
 Spacing for these bars shall be at right angles to the beams.
 Horizontal dimensions for Section A-A and Section B-B are along Cl of beam unless otherwise noted.



SECTION A-A



SECTION B-B

DEP-IL27

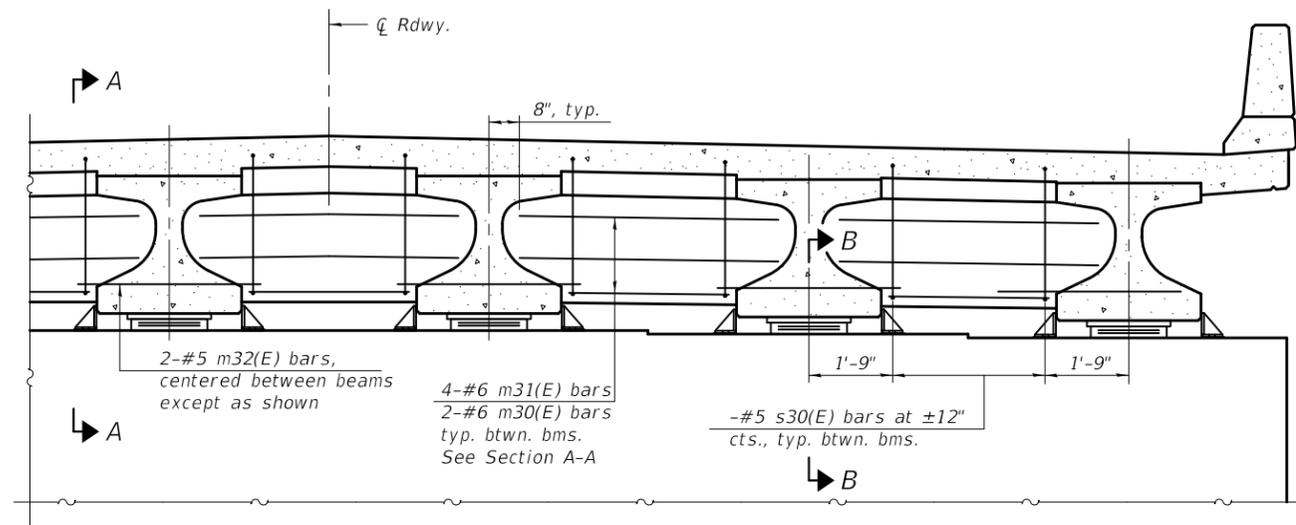
2-17-2017

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

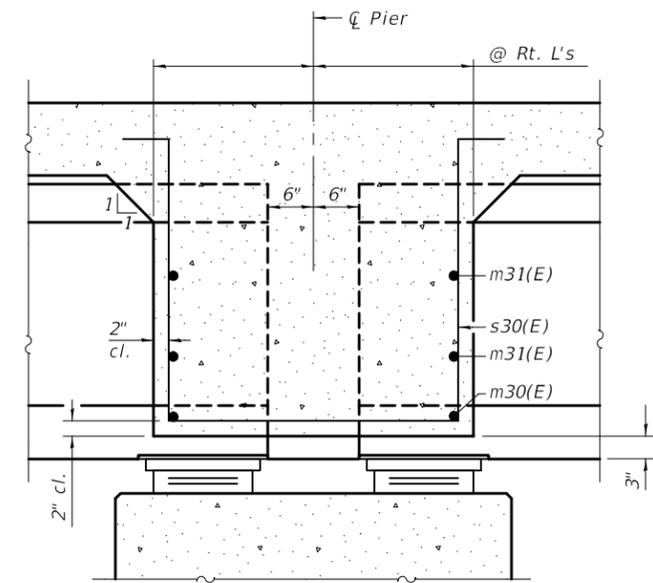
**DIAPHRAGM DETAILS
 STRUCTURE NO.**

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

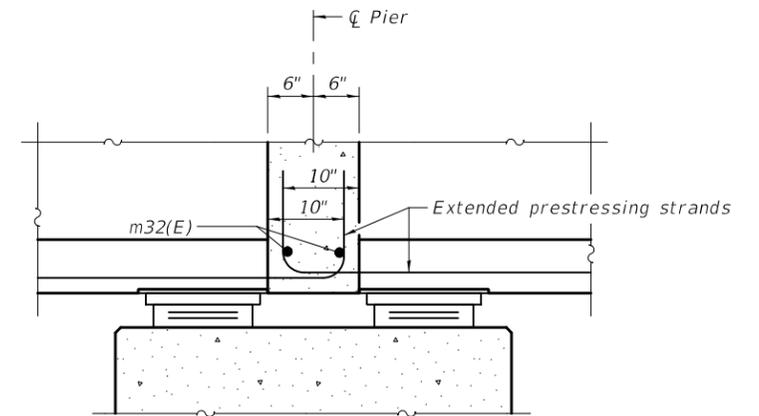


DIAPHRAGM AT PIER

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 bar s30(E) see sheet of .
 The s30(E) bars shall be placed parallel to the beams.
 Spacing for these bars shall be at right angles to the beams.
 Horizontal dimensions for Section A-A and Section B-B are along \bar{C} of beam unless otherwise noted.



SECTION A-A



SECTION B-B

DEP-IL36

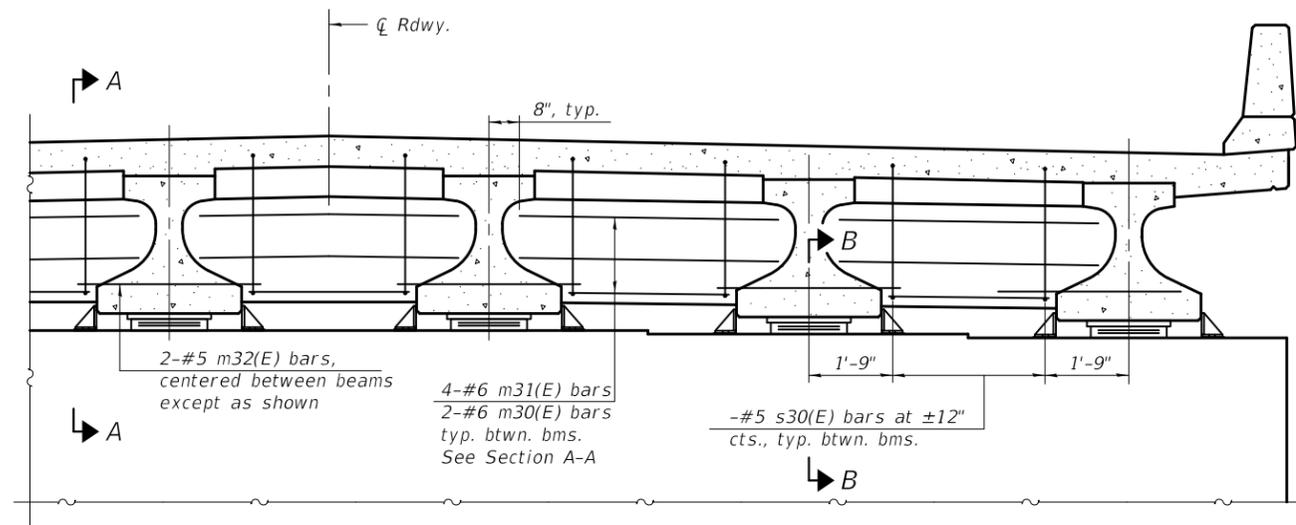
2-17-2017

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

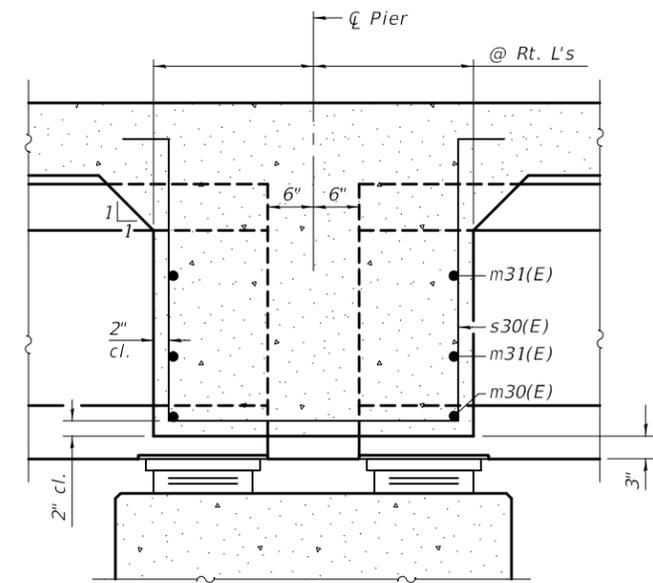
**DIAPHRAGM DETAILS
 STRUCTURE NO.**

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

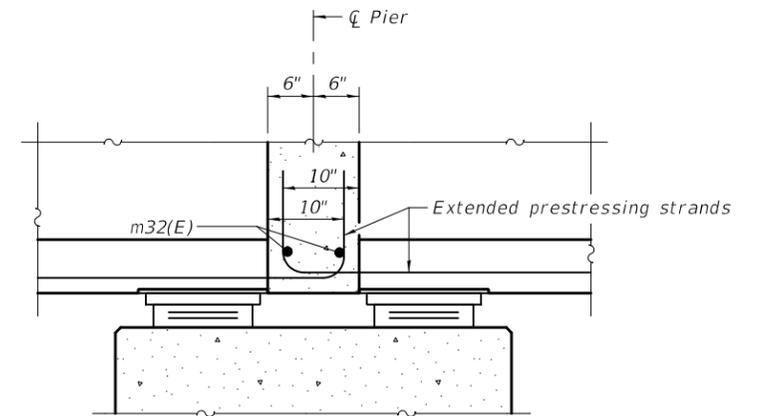


DIAPHRAGM AT PIER

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 bar s30(E) see sheet of .
 The s30(E) bars shall be placed parallel to the beams.
 Spacing for these bars shall be at right angles to the beams.
 Horizontal dimensions for Section A-A and Section B-B are along \bar{C} of beam unless otherwise noted.



SECTION A-A



SECTION B-B

DEP-IL36N

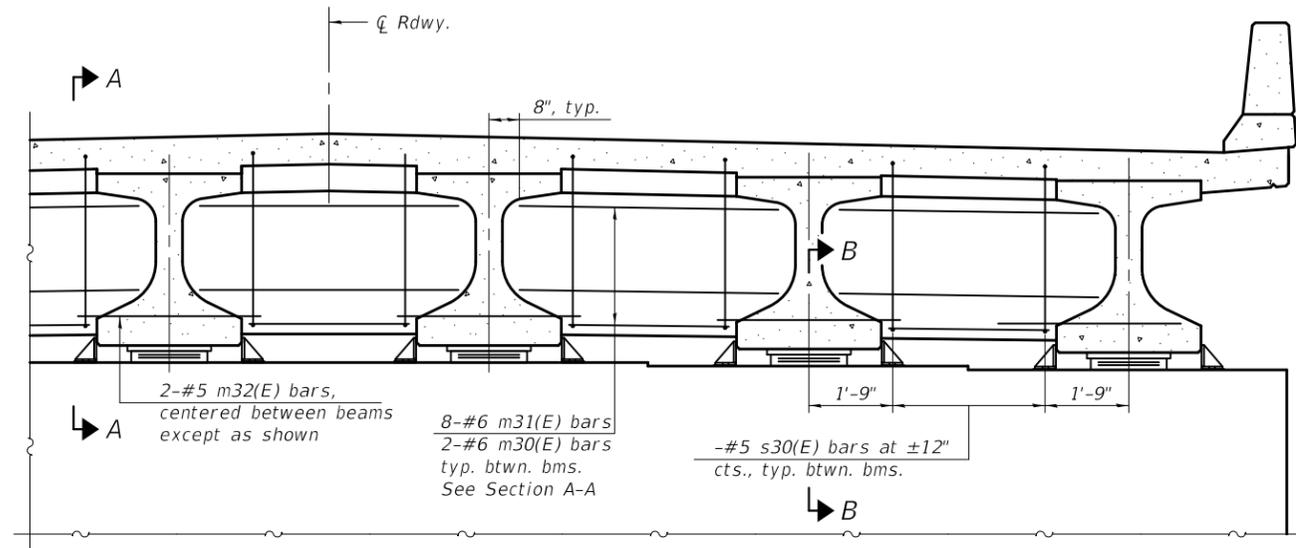
2-17-2017

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
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		DRAWN -	REVISED -
		CHECKED -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

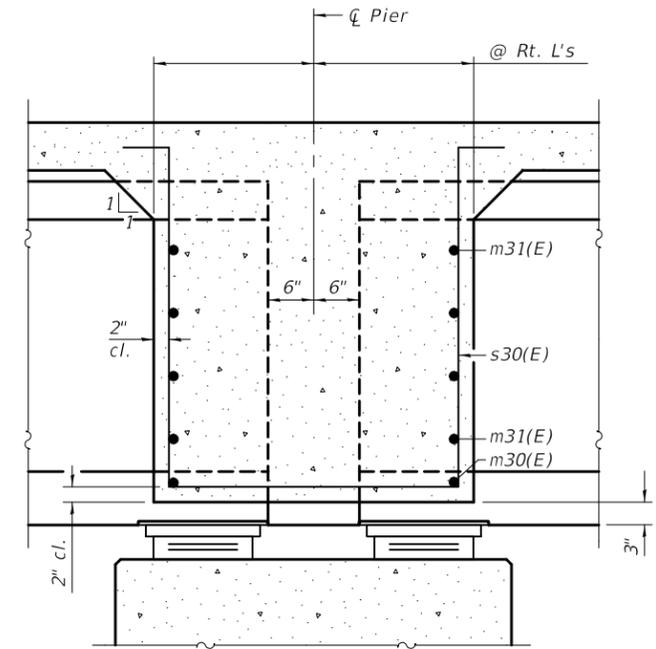
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 STRUCTURE NO.**

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

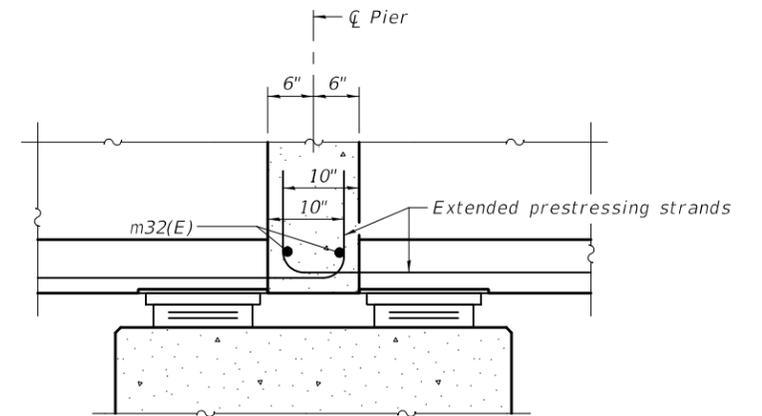


DIAPHRAGM AT PIER

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 bar s30(E) see sheet of .
 The s30(E) bars shall be placed parallel to the beams.
 Spacing for these bars shall be at right angles to the beams.
 Horizontal dimensions for Section A-A and Section B-B are along \bar{C} of beam unless otherwise noted.



SECTION A-A



SECTION B-B

DEP-IL4554

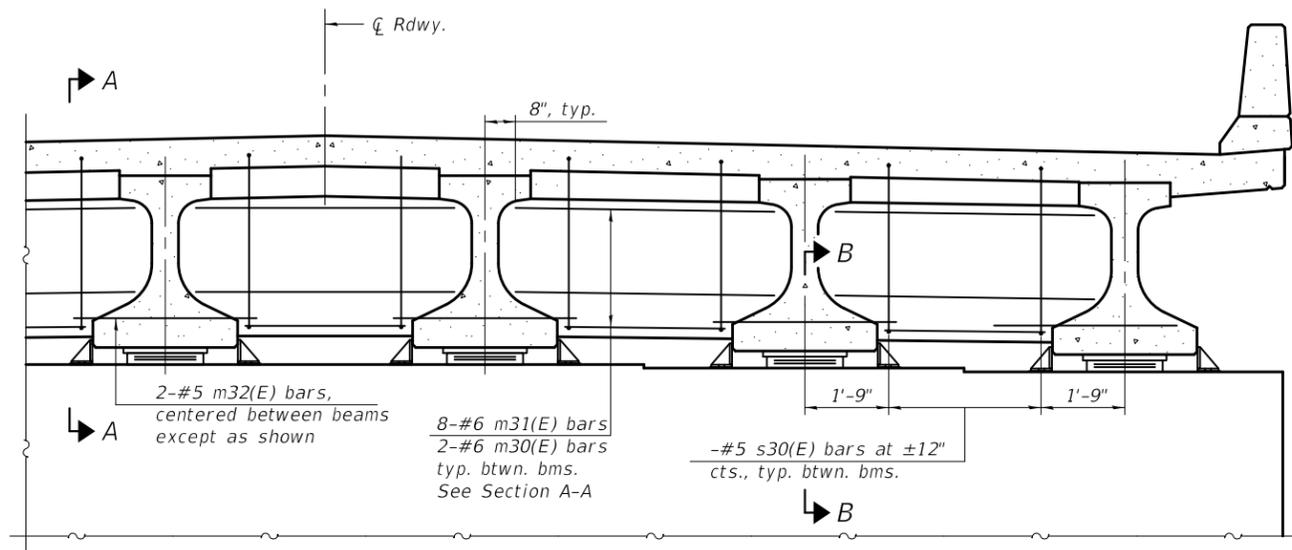
2-17-2017

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
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		DRAWN -	REVISED -
		CHECKED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

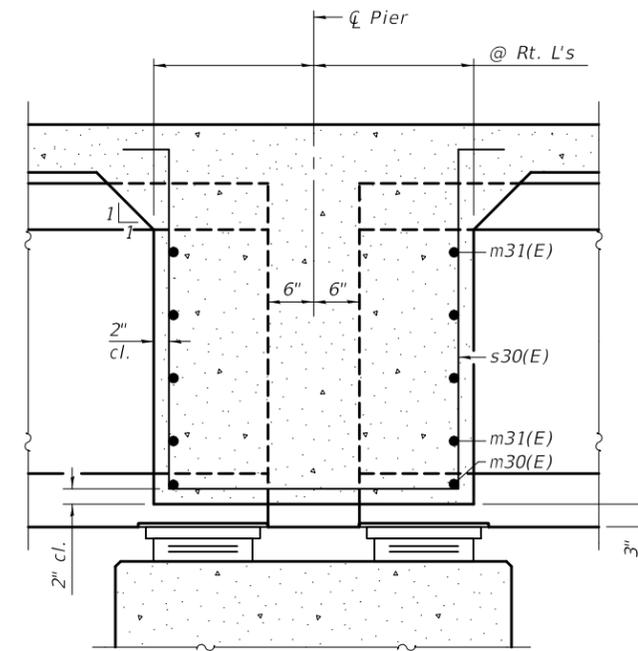
**DIAPHRAGM DETAILS
STRUCTURE NO.**

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

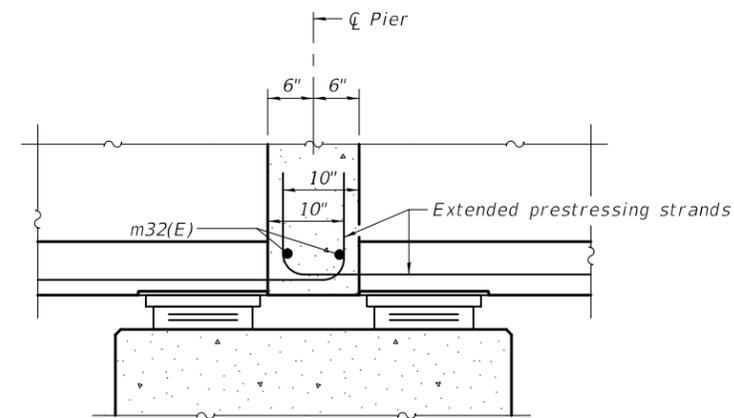


DIAPHRAGM AT PIER

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 bar s30(E) see sheet of .
 The s30(E) bars shall be placed parallel to the beams.
 Spacing for these bars shall be at right angles to the beams.
 Horizontal dimensions for Section A-A and Section B-B are along \bar{C} of beam unless otherwise noted.



SECTION A-A



SECTION B-B

DEP-IL4554N

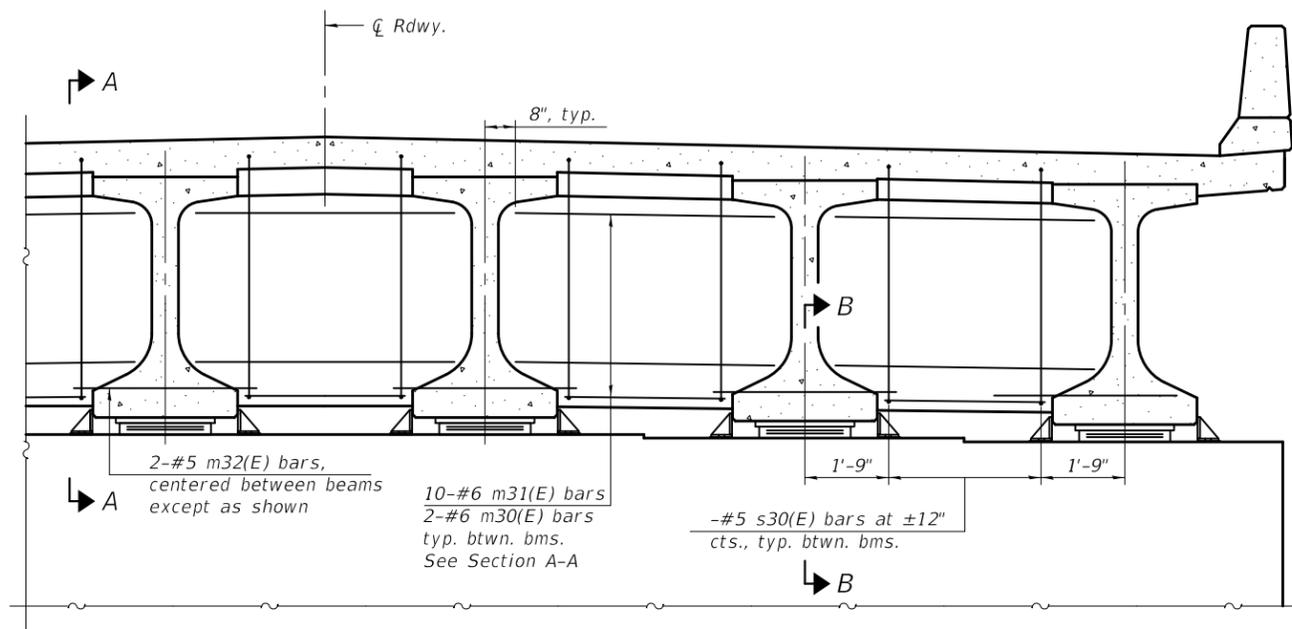
2-17-2017

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
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		CHECKED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

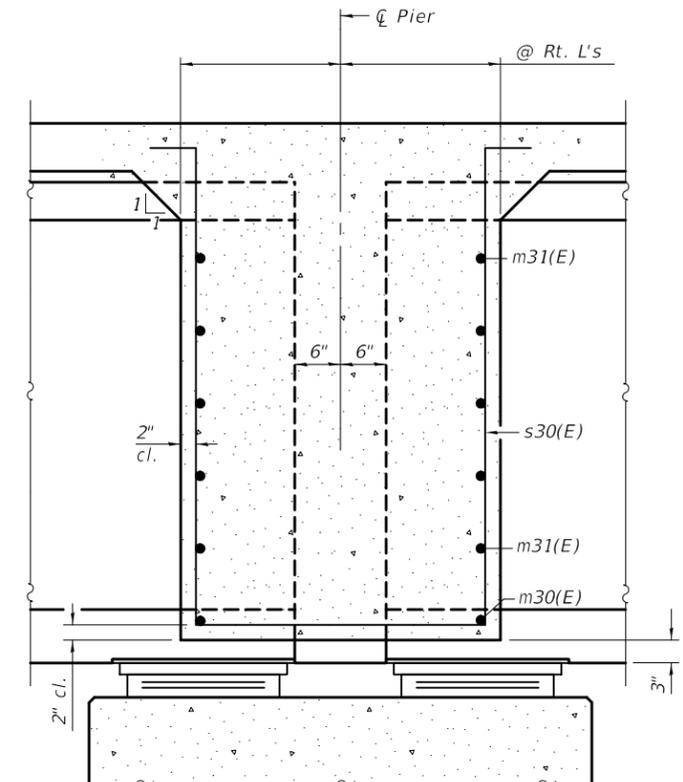
**DIAPHRAGM DETAILS
STRUCTURE NO.**

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

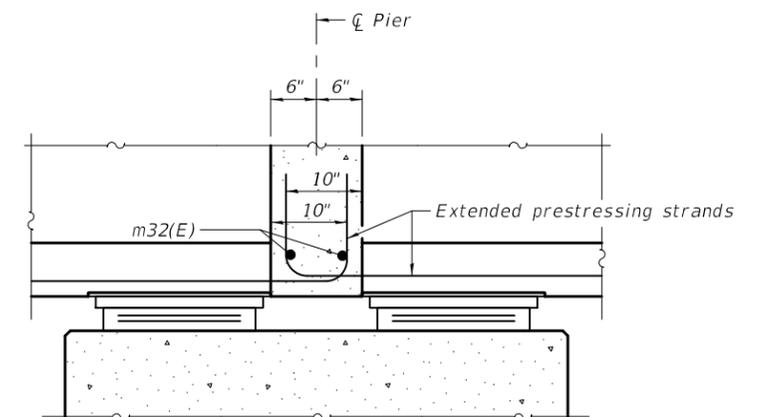


DIAPHRAGM AT PIER

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 bar s30(E) see sheet of .
 The s30(E) bars shall be placed parallel to the beams.
 Spacing for these bars shall be at right angles to the beams.
 Horizontal dimensions for Section A-A and Section B-B are along \bar{C} of beam unless otherwise noted.



SECTION A-A



SECTION B-B

DEP-IL6372

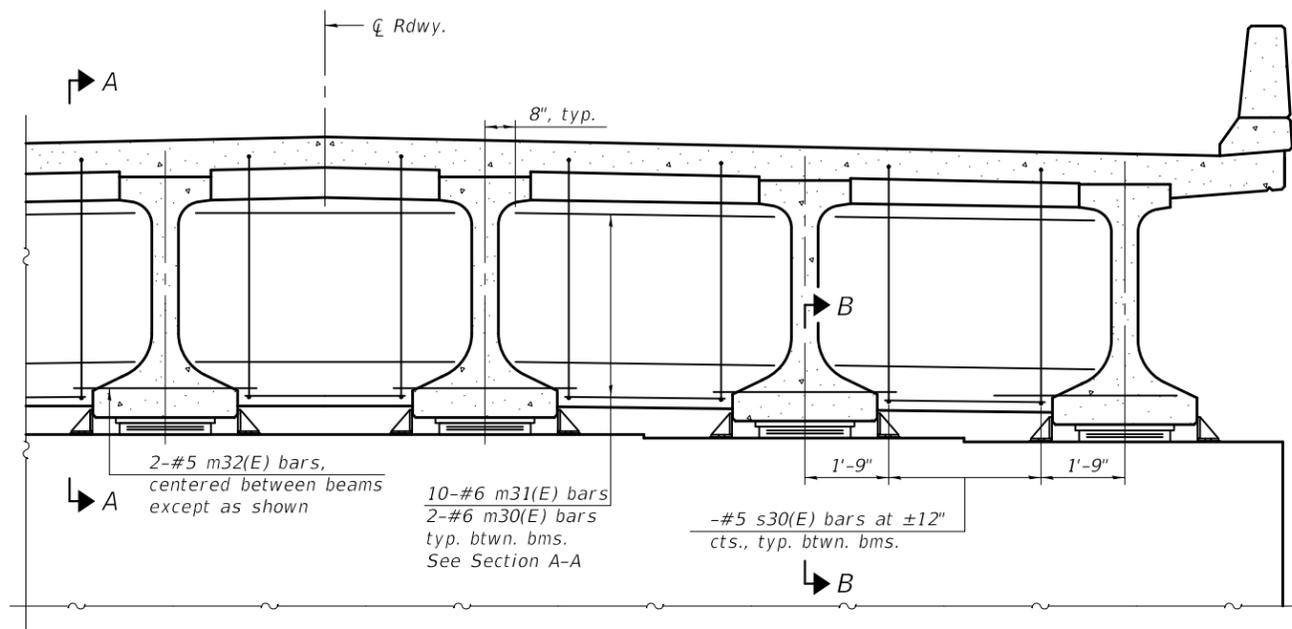
2-17-2017

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
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	PLOT DATE =	CHECKED -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

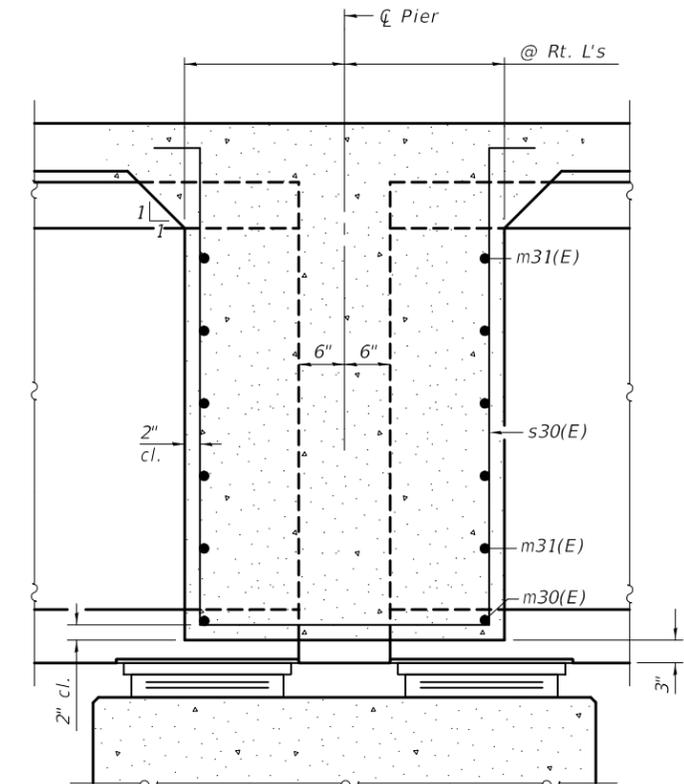
**DIAPHRAGM DETAILS
 STRUCTURE NO.**

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

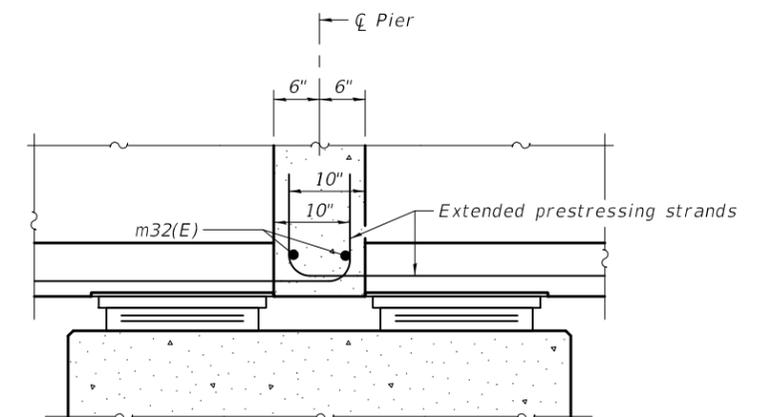


DIAPHRAGM AT PIER

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 bar s30(E) see sheet of .
 The s30(E) bars shall be placed parallel to the beams.
 Spacing for these bars shall be at right angles to the beams.
 Horizontal dimensions for Section A-A and Section B-B are along \bar{C} of beam unless otherwise noted.



SECTION A-A



SECTION B-B

DEP-IL6372N

2-17-2017

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
		CHECKED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -

**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				