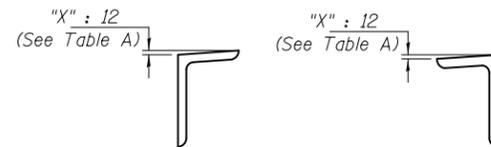


DIAPHRAGM REPLACEMENT DETAIL

West abutment (D2) & Pier 1, Span 1 (D3)

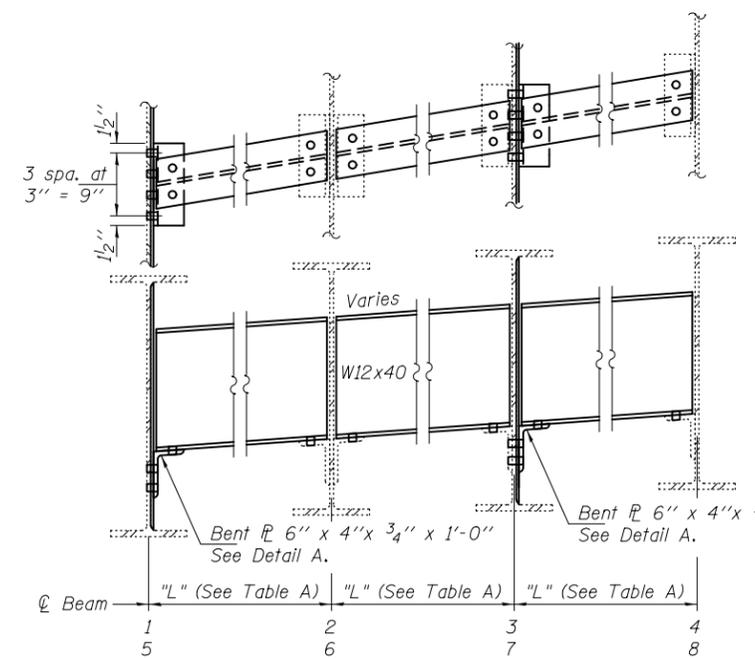
TABLE A

Diaphragm	L	X
D2	6'-6 ¹⁵ / ₁₆ "	1"
D3	6'-6 ¹⁵ / ₁₆ "	1"
D4	6'-2 ³ / ₈ "	1"
D5	6'-1 ³ / ₁₆ "	1"
D6	6'-5 ⁹ / ₁₆ "	1"
D8	6'-5 ⁹ / ₁₆ "	0
D9	6'-6"	0
D11	6'-1 ³ / ₄ "	1/2"
D12	6'-6"	9/16"
D13	6'-7 ¹ / ₈ "	1 ³ / ₈ "
D15	6'-7 ¹ / ₈ "	1 ³ / ₈ "
D16	6'-3 ¹ / ₈ "	1 ³ / ₈ "



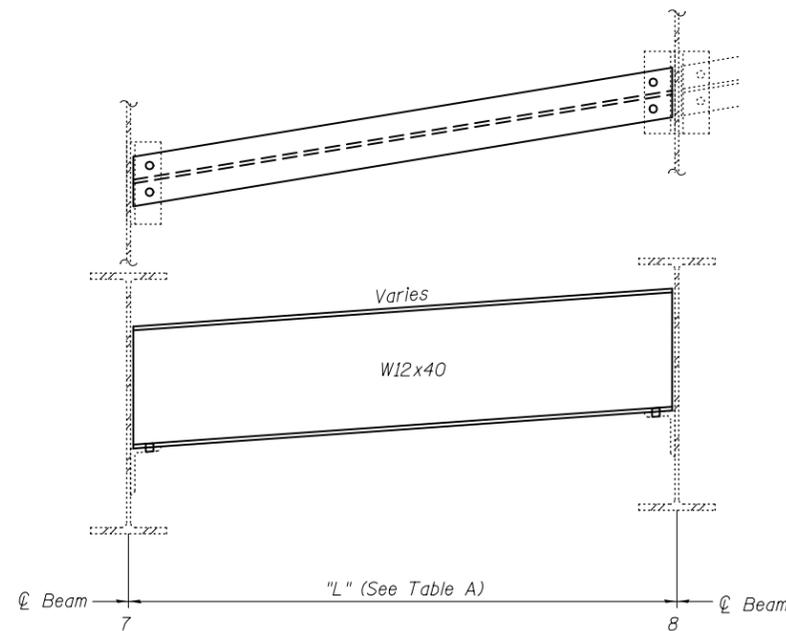
DETAIL A

Notes:
 All views are looking East.
 All dimensions are typical except as noted.
 Some beam end repairs not shown for clarity.
 For beam end repairs, see sheets 8 & 9 of 20.
 Field drill all holes for diaphragm locations to match existing.



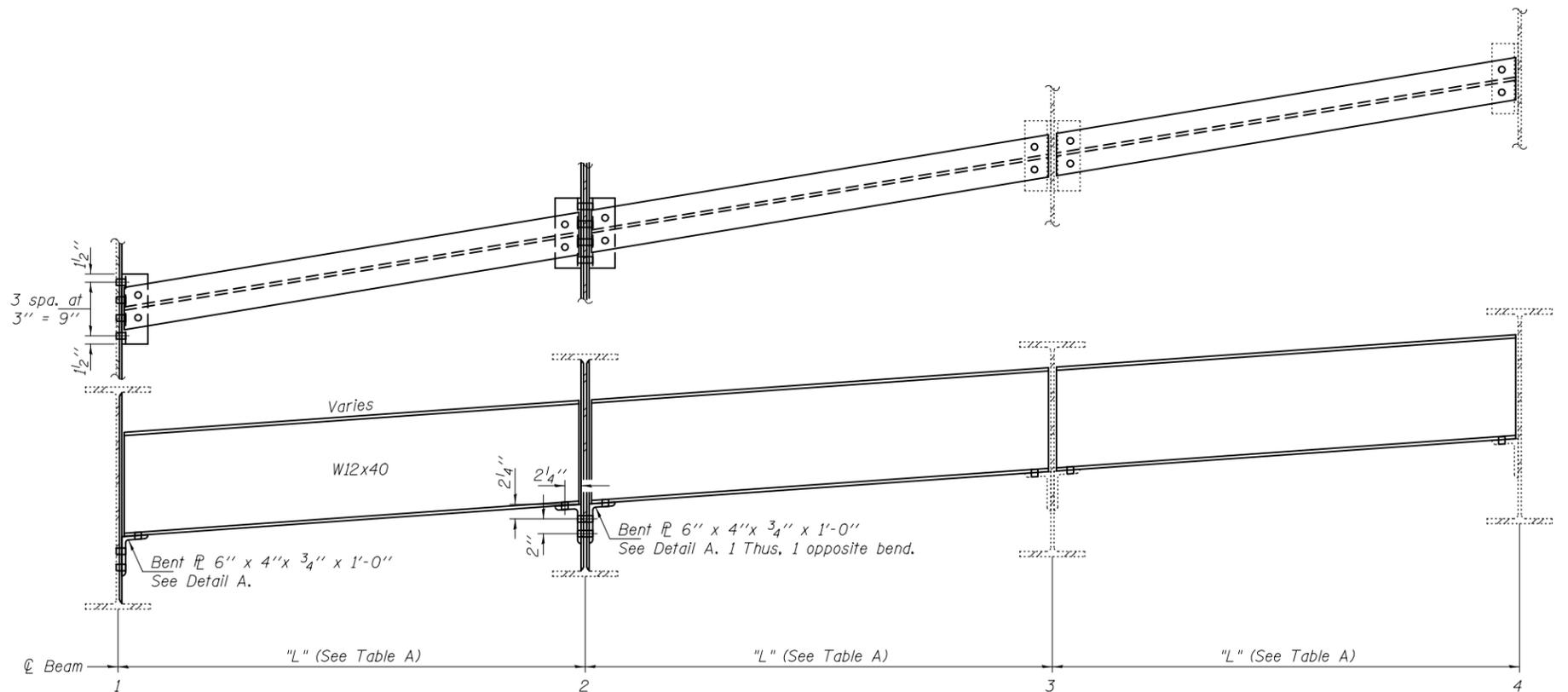
DIAPHRAGM REPLACEMENT DETAIL

Pier 1, Span 2 (D5 Beams 1 thru 4) (D6 Beams 5 thru 8)



DIAPHRAGM REPLACEMENT DETAIL

West abutment (D2)



DIAPHRAGM REPLACEMENT DETAIL

Pier 1, Span 1 (D4)

DESIGNED TLC	EXAMINED <i>Timothy A. [Signature]</i>	DATE OCTOBER 16, 2014
CHECKED ATH	PASSED <i>[Signature]</i>	REVISOR
DRAWN Steffen/baliva	ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISION
CHECKED TLC ATH		

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DIAPHRAGM REPLACEMENT DETAILS
 SN 025-0042

SHEET NO. 10 OF 20 SHEETS

F.A.I. RTE. 57	SECTION (25-6,7)RS-2	COUNTY EFFINGHAM	TOTAL SHEETS 63	SHEET NO. 58A
CONTRACT NO. 74638			ILLINOIS FED. AID PROJECT	