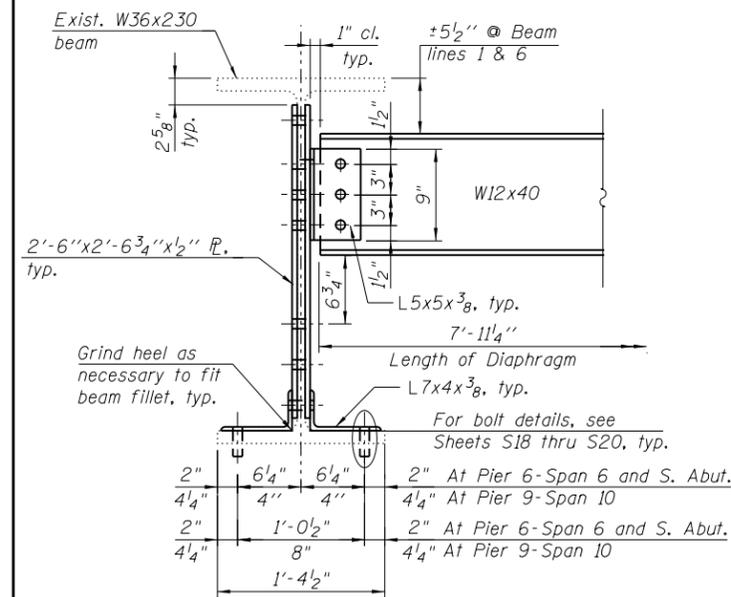


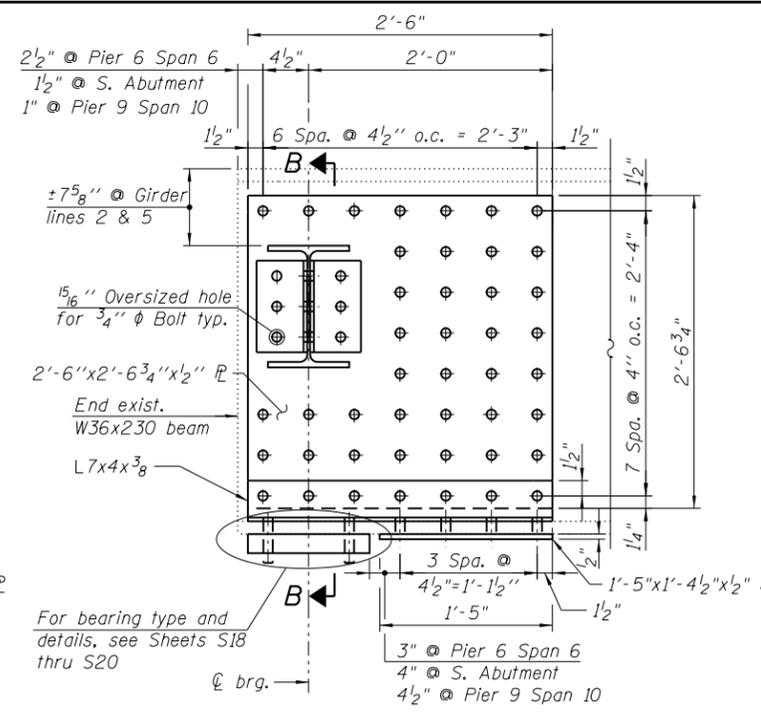
DIAPHRAGM AND GIRDER REPAIR DETAIL
(GIRDER LINES 1 & 6)

At Pier 6 - Span 6
Pier 9 - Span 10
and South Abutment



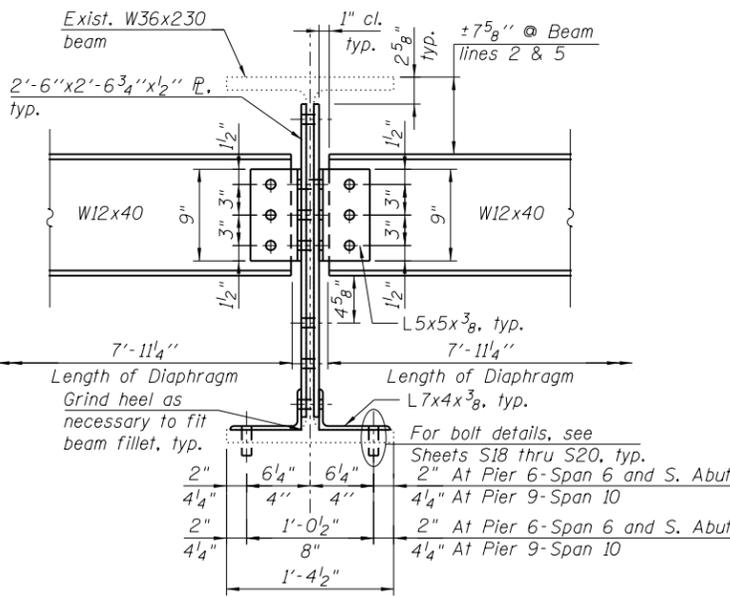
SECTION A-A

(Typ. for girder lines 1 and 6)



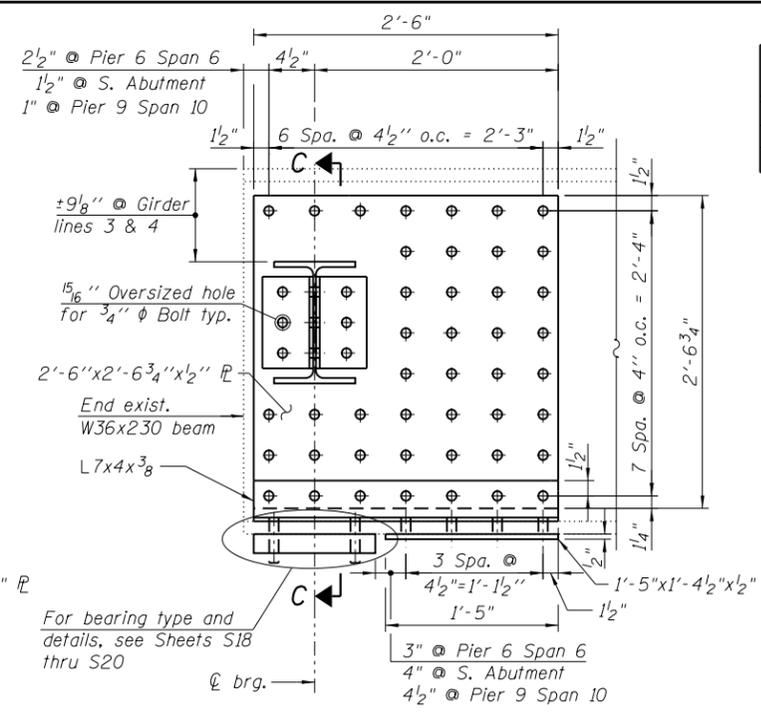
DIAPHRAGM AND GIRDER REPAIR DETAIL
(GIRDER LINES 2 & 5)

At Pier 6 - Span 6
Pier 9 - Span 10
and South Abutment



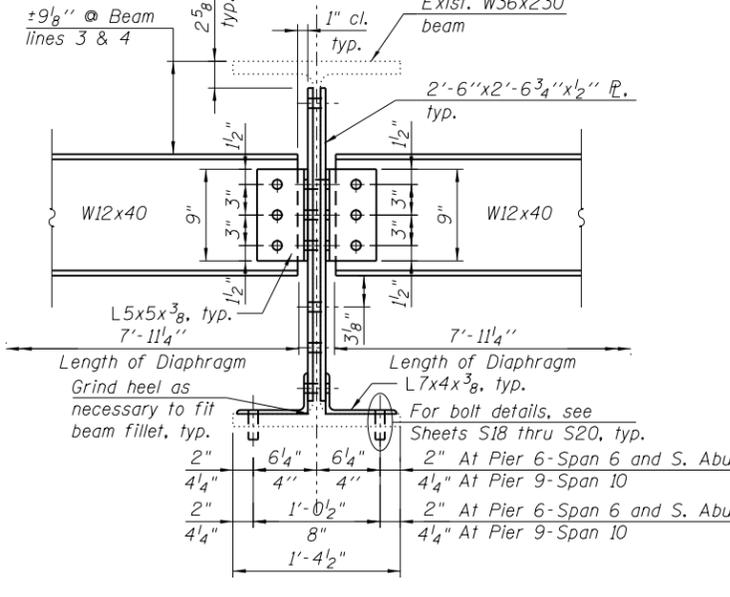
SECTION B-B

(Typ. for girder lines 2 and 5)



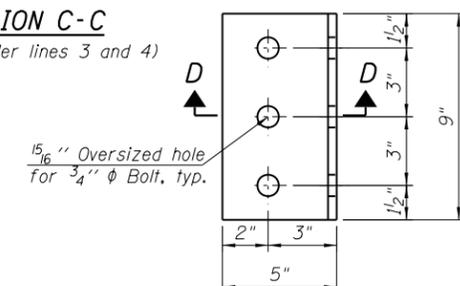
DIAPHRAGM AND GIRDER REPAIR DETAIL
(GIRDER LINES 3 & 4)

At Pier 6 - Span 6
Pier 9 - Span 10
and South Abutment



SECTION C-C

(Typ. for girder lines 3 and 4)



DIAPHRAGM CONNECTION ANGLE, TYP.

(L5x5x3/8, typ. angle connection)

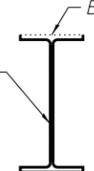
BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Furnishing and Erecting Structural Steel	Pound	5,850
Structural Steel Removal	Pound	6,190
Structural Steel Repair	Pound	7,320

NOTES:

- For locations of Diaphragm Repairs, see framing plan Sheet S15.
- All contact surfaces of joints for the diaphragms shall be free of paint or lacquer.
- All repair plates and angles, diaphragms and their connection plates shall conform to AASHTO Classification M-270 Gr 36.
- Diaphragm connection holes shall be 1 5/16" φ for 3/4" φ bolts. Two hardened washers shall be required at diaphragm connection.
- Hardened washers shall be required over all oversized holes.
- Cost of field drilling 1 5/16" φ holes is included with Furnishing and Erecting Structural Steel.
- Unless otherwise noted in the plans or specifications, field bolted connections shall use 3/4" φ high strength bolts with 1 5/16" φ holes.
- All connection bolts and fasteners shall be incidental to Furnish and Structural Steel Erect and Structural Steel Repair areas.
- Existing diaphragm and clip angle removal shall be paid for as Structural Steel Removal.
- New diaphragm and clip angles shall be paid for as Furnishing and Erecting Structural Steel.
- For cleaning and painting limits, see Sheet S15.

Limits of cleaning and painting on Beams 2 thru 5 (9.8 SF/foot point) (Total=1572 SF)



TYP. INTERIOR W36x230 GIRDER

(Pier 6 - Span 6, Pier 9 - Span 10, Span 1 at N. Abut. & Span 11 at S. Abut.)

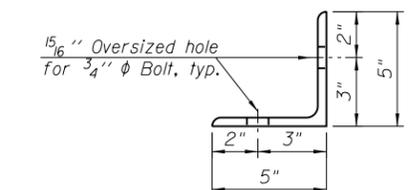
Limits of cleaning and painting on exterior face of fascia beam (5.6 SF/foot point) (Total=6465 SF)



Limits of cleaning and painting on interior face of fascia beam (4.3 SF/foot point) (Total=344 SF)

TYP. EXTERIOR W36x230 GIRDER

(Spans 1 thru 6 & Spans 10 and 11)



SECTION D-D