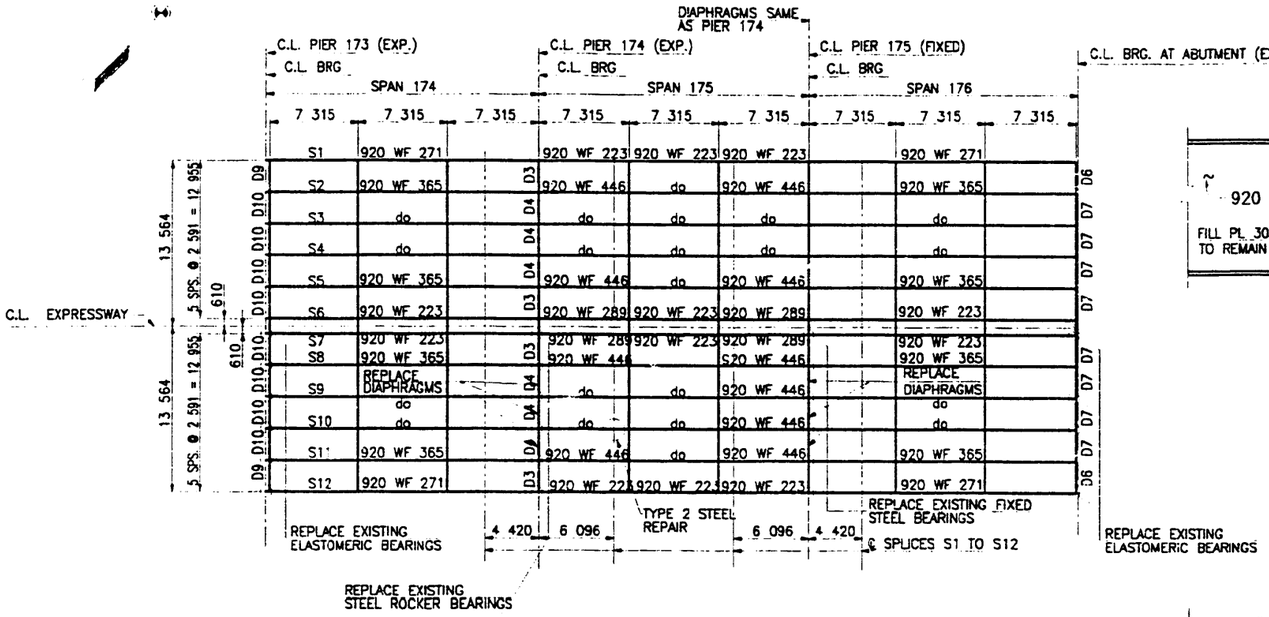
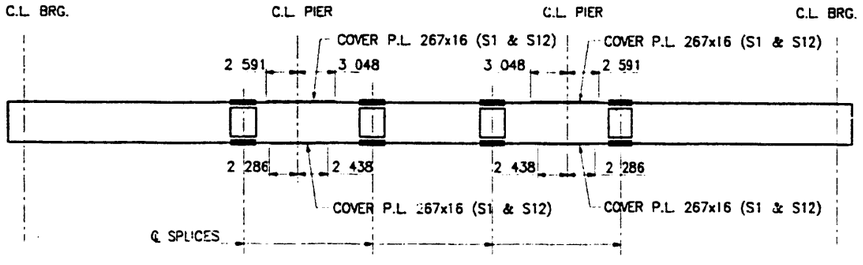
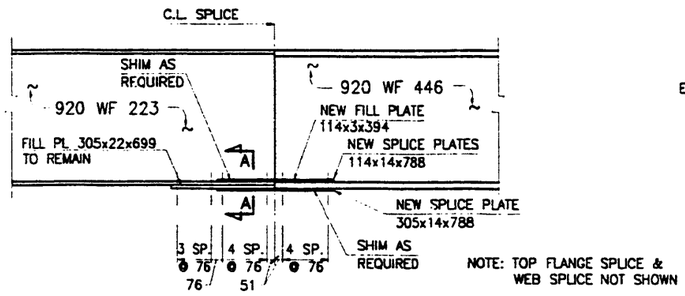


FRAMING PLAN



DIAPHRAGM SCHEDULE	
MARK	SIZE
D3	920 WF 223
D4	ST 155 WFT 33.5
D6,D7	460 MC 63.5
D9,D10	460 WF 97
INTERMEDIATE DIAPHRAGM	460 MC 63.5



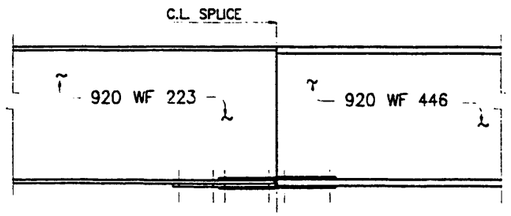
NOTE: TOP FLANGE SPLICE & WEB SPLICE NOT SHOWN

STEEL REPAIR – TYPE 2

(REPLACE BOTTOM FLANGE SPLICE PLATES)

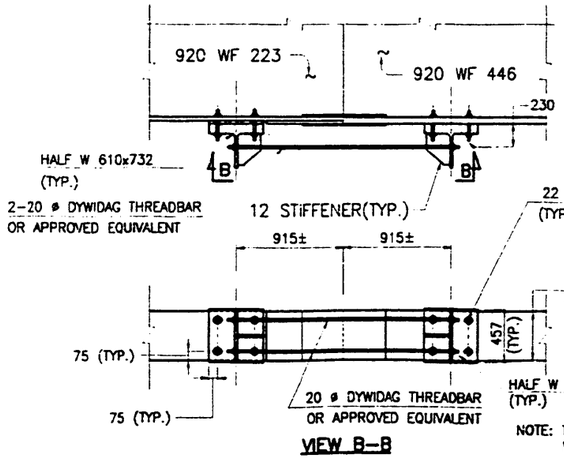
SCALE = 1:20

ITEM 589.520026 M – REMOVAL OF EXISTING STEEL
ITEM 564.7002 M – INSTALLATION OF NEW STEEL



EXISTING CONDITION

SCALE = 1:20

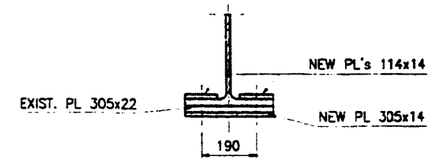


NOTE: TOP FLANGE SPLICE & WEB SPLICE NOT SHOWN

VIEW B–B

WORKING STAGE

SCALE = 1:20



SECTION A–A

SCALE = 1:10

SUGGESTED SPLICE PLATE REPAIR PROCEDURE

1. INSTALL W 610x732 AND 20 ø TIE RODS. (YIELD STRESS OF TIE RODS =414 MPa) USE 22 ø A325 M BOLTS.
2. CLOSE LANES TO TRAFFIC. NO LIVE LOAD SHALL BE PERMITTED ON STRINGERS S9, S10, S11 & S12 DURING REPLACEMENT OF THE SPLICE PLATES.
3. TENSION TIE RODS TO F = 60 kN. HOLD ONE SIDE TIGHT AND TENSION THE OPPOSITE END.
4. REMOVE & REPLACE EXISTING BOTTOM FLANGE SPLICE PLATES.
5. AFTER NEW SPLICE PLATE BOLTS HAVE BEEN TORQUED REMOVE TIE RODS & W 610x732.
6. FILL OPEN BOLT HOLES WITH NEW 22 ø BOLTS. BOLTS PAID UNDER 564.7002 M
7. FIELD DRILLING HOLE IN EXISTING STRINGERS IS PAID UNDER ITEM 586.10 M – "FIELD DRILLING HOLES IN EXISTING STRUCTURAL STEL".
8. COST FOR FURNISHING, INSTALLING & REMOVING W 610x732 AND TIE RODS IS INCLUDED IN THE UNIT PRICE BID FOR ITEM 564.7002 M.
9. PAINT NEW SPLICE PLATES UNDER ITEM 16570.32 M
10. THE CONTRACTOR MAY PROPOSE AN ALTERNATE REPAIR METHOD SUBJECT TO THE APPROVAL OF THE ENGINEER, AND AT NO ADDITIONAL COST TO THE STATE.
11. ALL DIMENSIONS IN MILLIMETERS UNLESS NOTED

AS-BUILT REVISIONS

SIGNATURE

DATE