

REVISID: 12-14 SPECIFICATION ARTICLE NO. CHANGED. NOTE CHANGED. DEVICE: ZHAIK200,005)ARCH.TAP.

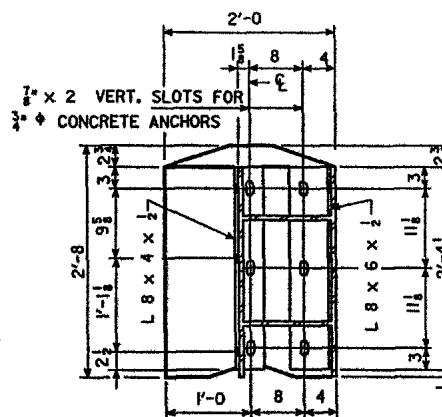


Diagram of Section C-C showing a cross-section of a structure. The diagram includes labels for dimensions and offsets:

- VAR.**: Variable dimensions at the top and bottom.
- VARIES**: Dimensions that vary across the section.
- VERTICAL**: A vertical line indicating a reference axis.
- Offsets**: Dimensions at the bottom indicating offsets from a central axis.
- SECTION C-C**: The title of the diagram.

No. 41



8 - 10' CONCRETE BARRIER RAIL SECTIONS

10'

WHITE

WHITE

DOUBLE REFLECTORS AT 10'± C-C

3'-0"

1'-4"

0'-4"

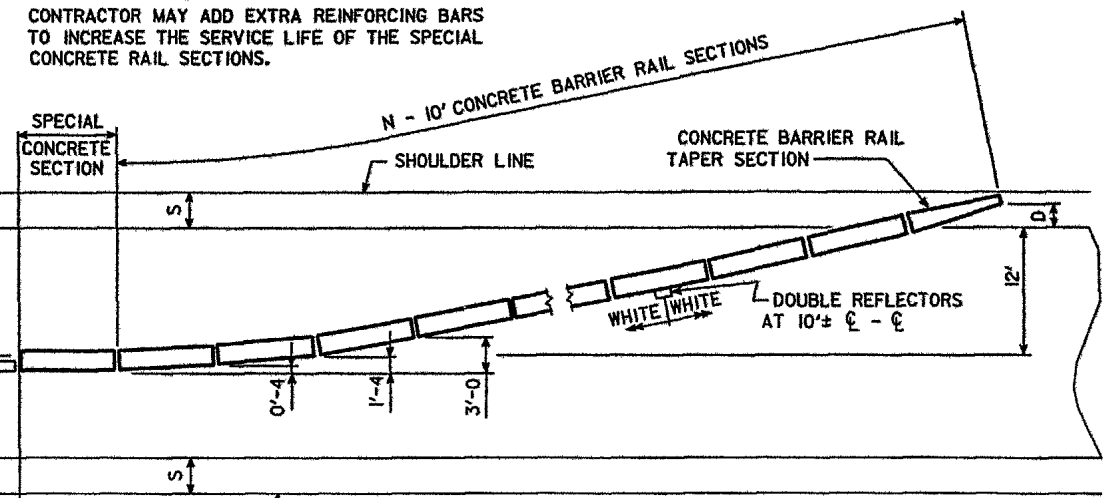
SPECIAL CONCRETE SECTION

TEMPORARY BARRIER RAIL LAYOUT FOR TWO WAY TRAFFIC

NOTE:
CONCRETE TEMPORARY BARRIER RAIL SHALL BE CONSTRUCTED AS SPECIFIED IN SECTION 2513 OF THE CURRENT SPECIFICATIONS.
REFER TO OTHER DETAILS, NOTES AND QUANTITY ITEMS, ELSEWHERE IN THESE PLANS FOR TRAFFIC CONTROL TO BE ESTABLISHED IN CONJUNCTION WITH THE TEMPORARY BARRIER RAIL.
NO STATIONARY EQUIPMENT OR CONSTRUCTION MATERIAL IS TO BE PLACED IN FRONT OF THE TEMPORARY BARRIER RAIL AT ANY TIME.
BARRIER IS TO BECOME THE PROPERTY OF THE CONTRACTOR AT THE COMPLETION OF WORK AND REMOVED FROM THE SITE BY THE CONTRACTOR.
DETAILS ON THIS SHEET SHOW CONSTRUCTION OF A SPECIAL CONCRETE TEMPORARY BARRIER RAIL SECTION.
CONCRETE ANCHORS ARE TO BE APPROVED AND AS LISTED IN CURRENT MATERIALS I.M. 453.09. $\frac{3}{4}$ INCH DIAMETER ANCHORS SHALL HAVE A MINIMUM PULL - OUT STRENGTH OF 14,000 LBS. AND SHALL BE FLUSH TYPE WITH CAP SCREWS. THE $\frac{3}{4}$ INCH DIAMETER CONCRETE ANCHORS SHALL NOT BE INSTALLED UNTIL AFTER CURE EXCEPT THAT APPROVED INSERTS MAY BE SUBSTITUTED FOR INCORPORATION IN FRESH CONCRETE.
TRAFFIC REFLECTORS SHALL BE A RETRO - REFLECTIVE TYPE, APPROVED BY THE ENGINEER, AND THEY SHALL BE LOCATED AS SHOWN ON THIS SHEET. THE CONTRACTOR SHALL MAINTAIN THE REFLECTORS AND SHALL PROMPTLY REPLACE ANY MISSING OR DAMAGED UNITS. ALL COSTS FOR FURNISHING, INSTALLING AND MAINTAINING REFLECTORS SHALL BE INCLUDED IN THE PRICE BID FOR "TEMPORARY BARRIER RAIL".
CARE SHALL BE TAKEN IN MOVING THE STEEL TEMPORARY BARRIER RAIL FOR STAGE 2 CONSTRUCTION, SO THAT THE NEW CONCRETE OF STAGE 1 WILL NOT BE DAMAGED. ANY DAMAGE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
~~REFER TO LAYOUT ELSEWHERE ON THESE PLANS FOR NUMBER OF EACH TYPE OF BARRIER UNIT AND FOR ESTIMATED QUANTITIES.~~

CONTRACTOR MAY ADD EXTRA REINFORCING BARS
TO INCREASE THE SERVICE LIFE OF THE SPECIAL
CONCRETE RAIL SECTIONS.

SECTION J-J



BRIDGE END B

SHOULDER WIDTH (S)	NO. OF BARRIER RAIL SECT. (N)	D
4 FT.	13	4 FT.
6 FT.	14	5.5 FT.
8 FT.	15	7 FT.
10 FT.	16	9 FT.

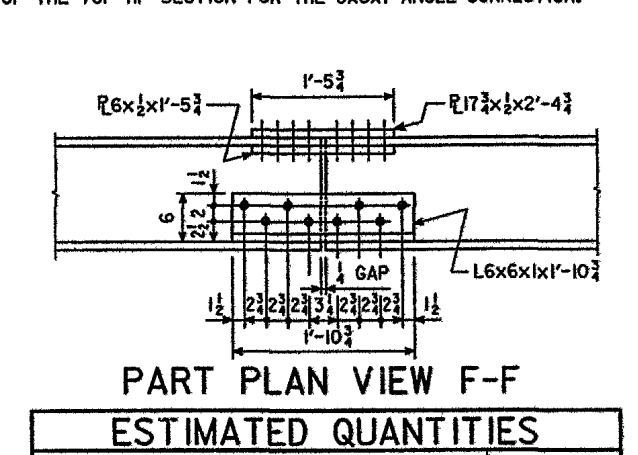
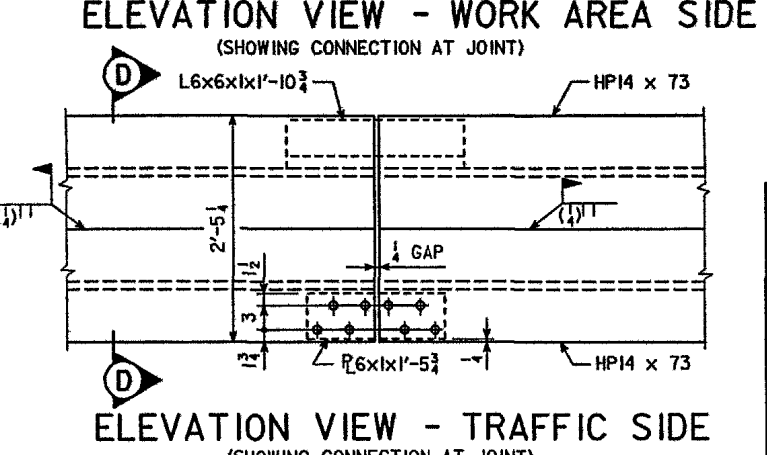
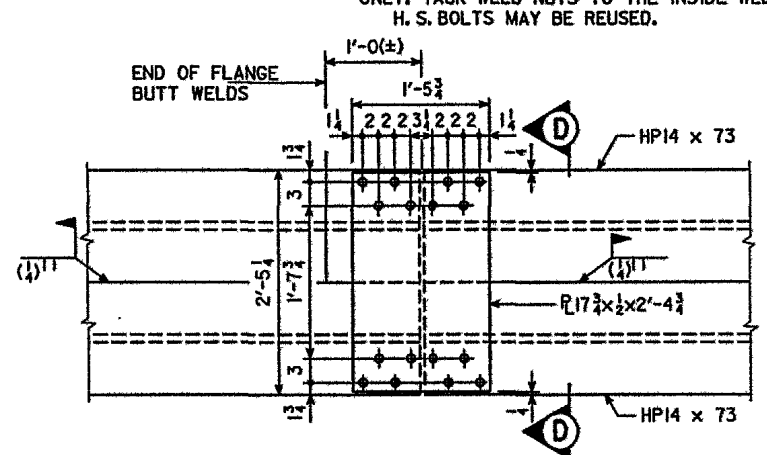
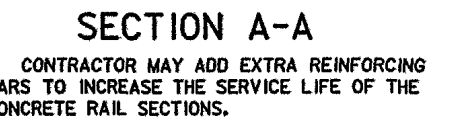
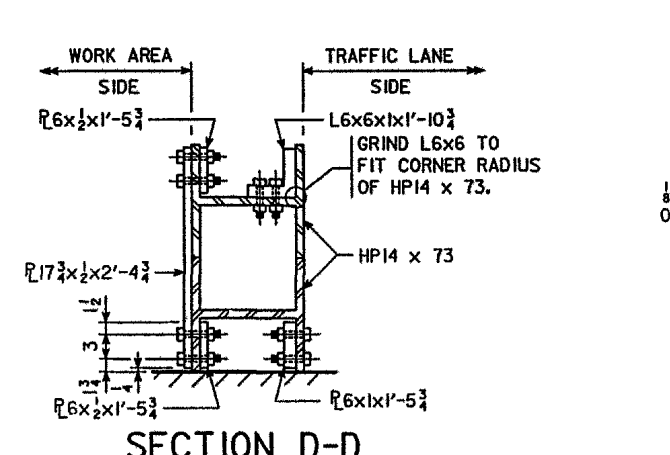
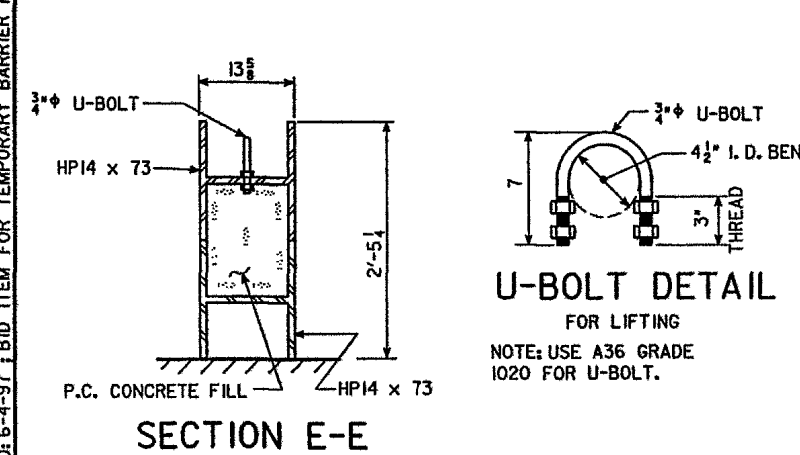
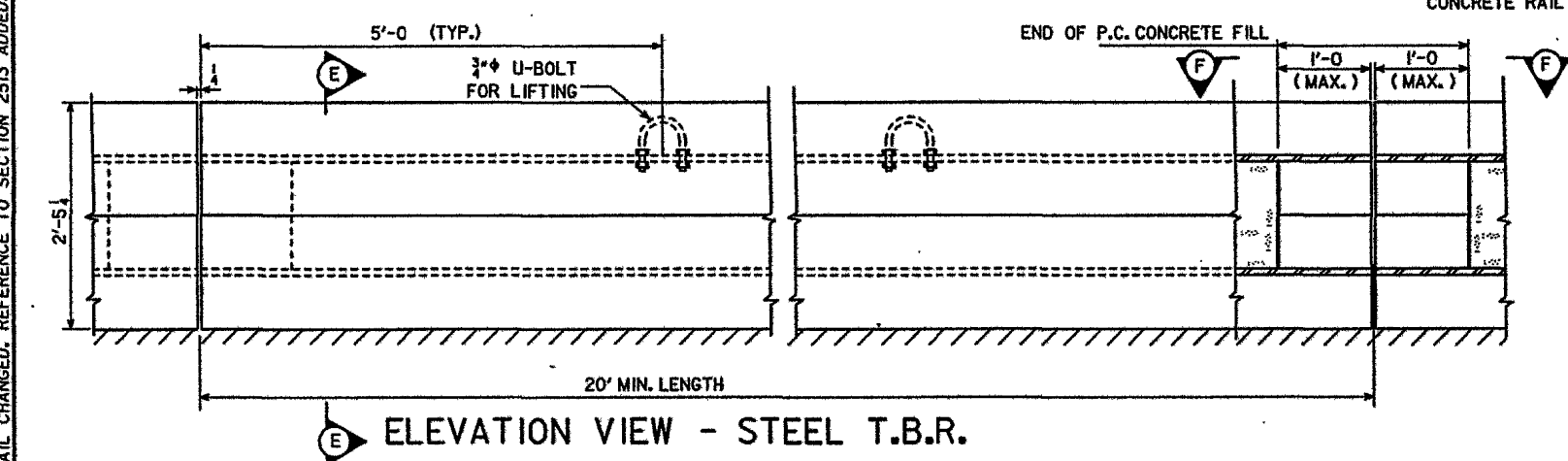
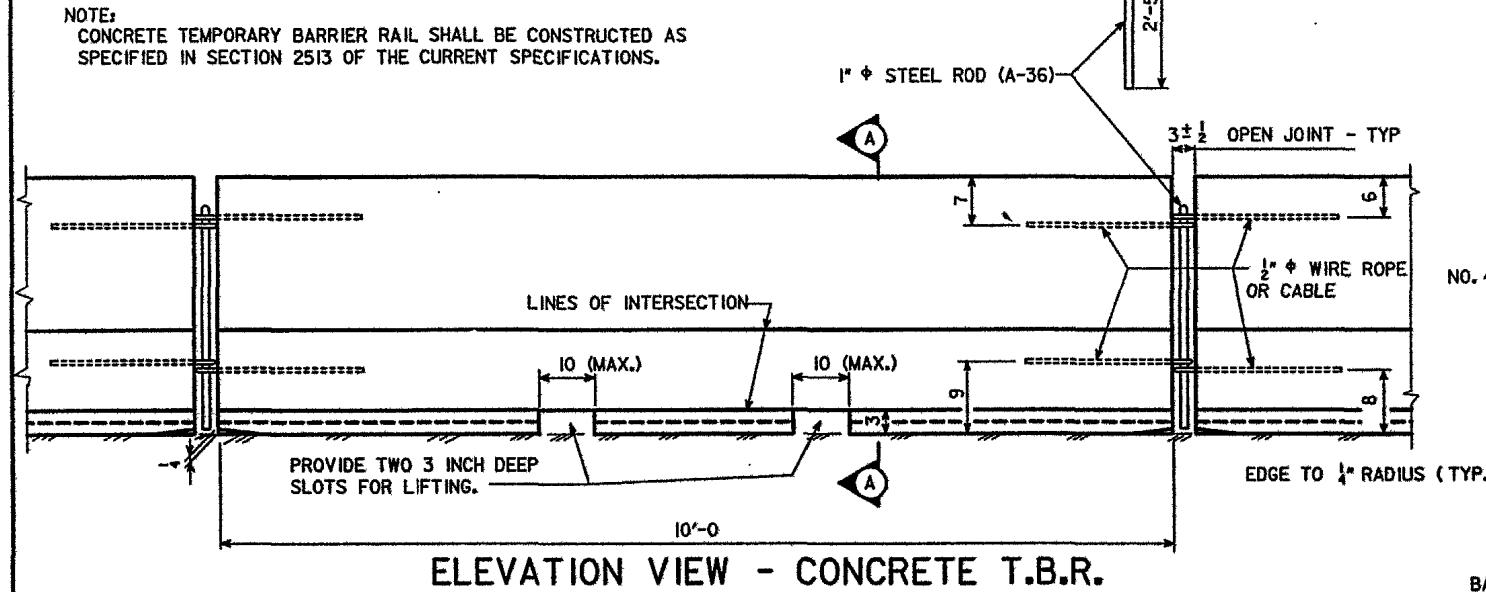
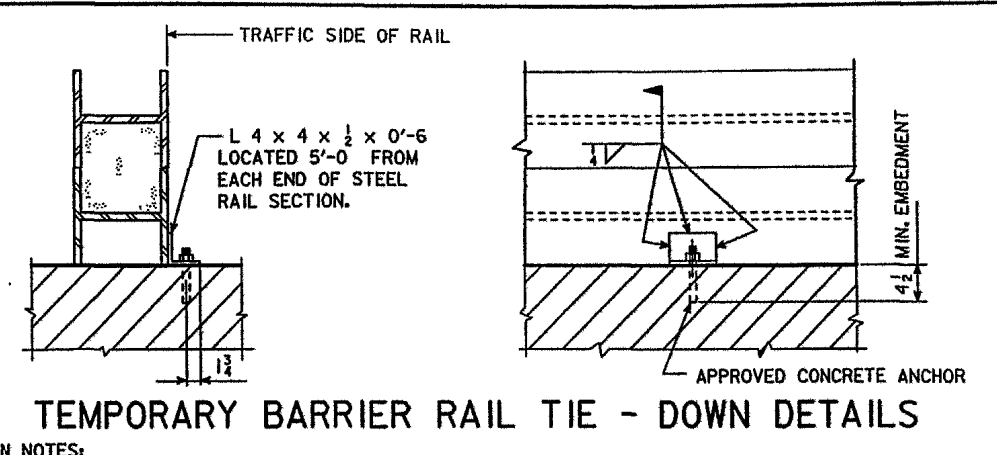
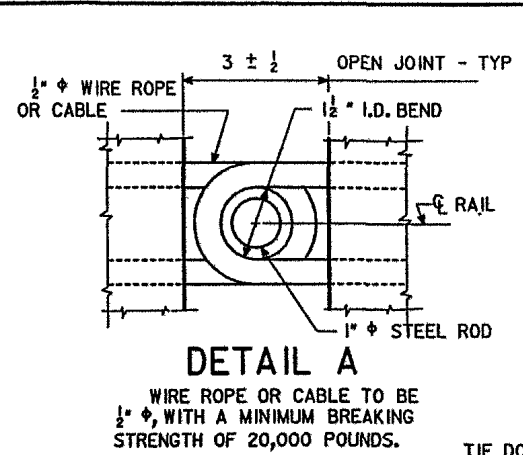
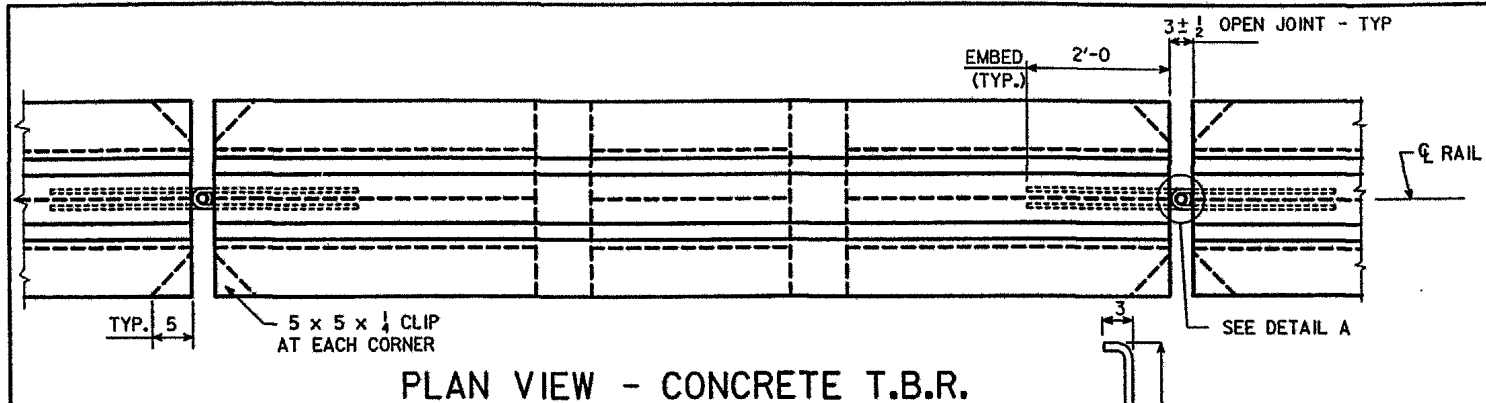
SHOULDER WIDTH AT THIS BRIDGE SITE IS FEET
THEREFORE CONCRETE BARRIER RAIL
SECTIONS ARE REQUIRED FOR BRIDGE END " B " .

TEMPORARY BARRIER RAIL - COMBINATION

IOWA DEPARTMENT OF TRANSPORTATION - PROJECT DEVELOPMENT DIVISION
 DESIGN SHEET NO. 05 FILE NO. DESIGN NO.

DESIGNED BY _____	CHECKED BY _____	TEMPORARY BARRIER RAIL - COMBINATION WITH TIE DOWNS (1 OF 2)	STANDARD 1034C	COUNTY _____	PROJECT NUMBER _____	STATE	FHWA REGION	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
DETAILED BY _____	CADD FILE _____					IOWA	7			

REVISED 11-01-90. THE R/S DELETED AND BUTT WELD ADDED TO FASTEN HP14x73 FLANGES TOGETHER.
--GUP; THIS SHEET REVISED, DEVICEZHAH200,005 ARCH. TAPE NO. 11 DATE 11-03-90
REVISED 6-21-93 - LIFTING SLOT DETAILS CHANGED.
HE1034C502 (HISTD1034C502--GUP; THIS SHEET REDRAWN, DEVICEZHAH200,005 ARCH. TAPE NO. 11 DATE 09-17-90.)
REVISED 6-4-97 1 BID ITEM FOR TEMPORARY BARRIER RAIL CHANGED. REFERENCE TO SECTION 2513 ADDED.



ESTIMATED QUANTITIES	
ITEM	AMOUNT
TEMPORARY BARRIER RAIL	L.F.

ITEM REFERENCE:
TEMPORARY BARRIER RAIL SHALL BE A COMBINATION
OF NOMINAL 20' LONG STEEL UNITS AND NOMINAL 10' LONG
CONCRETE UNITS. REFER TO LAYOUT FOR NUMBER OF EACH.

TEMPORARY BARRIER RAIL - COMBINATION

IOWA DEPARTMENT OF TRANSPORTATION - PROJECT DEVELOPMENT DIVISION				
DESIGN SHEET NO. _____	OF _____	FILE NO. _____	DESIGN NO. _____	
STATE	FWA REGION	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
IOWA	7			