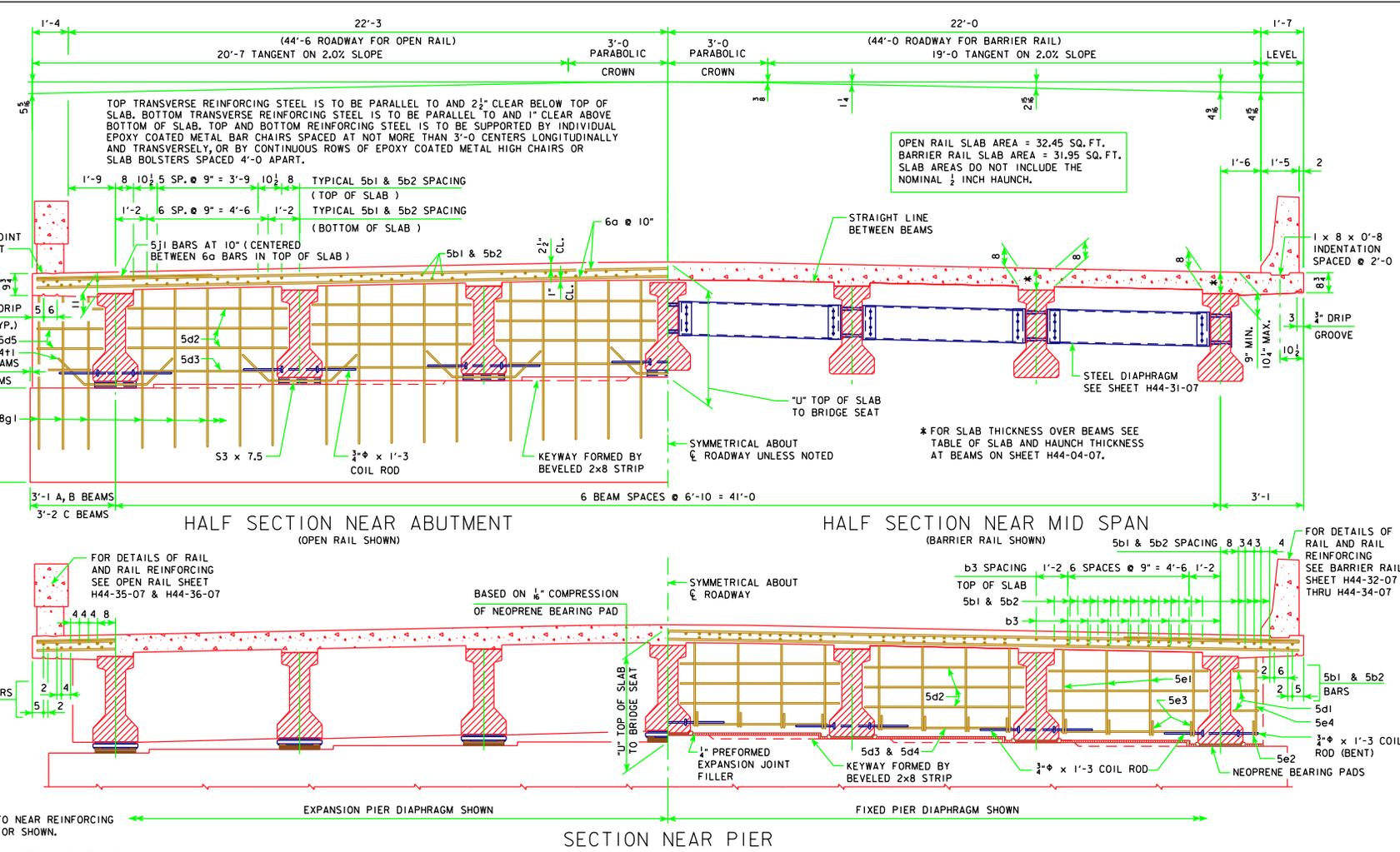
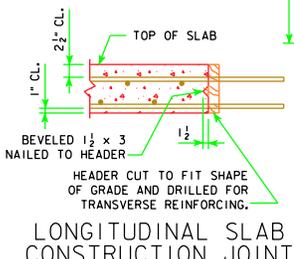
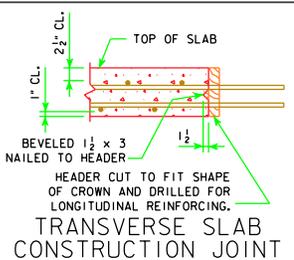


REVISED 11-09 - DOUBLE DRIP GROOVE NOTE WAS ADDED.



TOP TRANSVERSE REINFORCING STEEL IS TO BE PARALLEL TO AND 2 1/4" CLEAR BELOW TOP OF SLAB. BOTTOM TRANSVERSE REINFORCING STEEL IS TO BE PARALLEL TO AND 1" CLEAR ABOVE BOTTOM OF SLAB. TOP AND BOTTOM REINFORCING STEEL IS TO BE SUPPORTED BY INDIVIDUAL EPOXY COATED METAL BAR CHAIRS SPACED AT NOT MORE THAN 3'-0" CENTERS LONGITUDINALLY AND TRANSVERSELY, OR BY CONTINUOUS ROWS OF EPOXY COATED METAL HIGH CHAIRS OR SLAB BOLSTERS SPACED 4'-0" APART.

OPEN RAIL SLAB AREA = 32.45 SQ. FT.  
BARRIER RAIL SLAB AREA = 31.95 SQ. FT.  
SLAB AREAS DO NOT INCLUDE THE NOMINAL 1/2" INCH HAUNCH.

\* FOR SLAB THICKNESS OVER BEAMS SEE TABLE OF SLAB AND HAUNCH THICKNESS AT BEAMS ON SHEET H44-04-07.

**GENERAL NOTES:**

- CLEAR DISTANCE FROM FACE OF CONCRETE TO NEAR REINFORCING BAR SHALL BE 2" UNLESS OTHERWISE NOTED OR SHOWN.
- ALL REINFORCING BARS ARE TO BE SECURELY WIRED IN PLACE AND ADEQUATELY SUPPORTED ON EPOXY COATED BAR CHAIRS BEFORE CONCRETE IS PLACED.
- ALL PRESTRESSED CONCRETE BEAMS ARE TO BE SET VERTICAL.
- FORMS FOR THE SLAB AND RAILS ARE TO BE SUPPORTED BY THE PRESTRESSED CONCRETE BEAMS.
- WEIGHT OF DRAINS IS INCLUDED IN THE STRUCTURAL STEEL QUANTITY.
- THE PIER AND ABUTMENT DIAPHRAGM CONCRETE IS TO BE PLACED MONOLITHICALLY WITH THE FLOOR SLAB.
- ALL REINFORCING STEEL IS TO BE GRADE 60.
- COST OF ALL PREFORMED EXPANSION JOINT FILLER MATERIAL IS TO BE INCLUDED IN THE PRICE BID FOR "STRUCTURAL CONCRETE (BRIDGE)".

TRANSVERSE SLAB REINFORCING MAY BE SPLICED WITH ONE LAP LOCATED AS FOLLOWS:  
TOP BARS - LAP MIDWAY BETWEEN BEAMS (MIN. LAP = 1'-10").  
BOTTOM BARS - LAP OVER BEAMS (MIN. LAP = 1'-10").  
PAYMENT FOR REINFORCING BARS SHALL BE BASED ON NO SPLICES, AND NO ALLOWANCE SHALL BE MADE FOR THE ADDITIONAL LENGTH OF BAR REQUIRED FOR THE USE OF SPLICES.

LENGTH OF S3 x 7.5 (ABUTMENT BEAM SEAT)	
BEAM BOTTOM FLANGE WIDTH	LENGTH OF S3 x 7.5
1'-5"	1'-3 1/2"
1'-8"	1'-6 1/2"

11-09  
LATEST REVISION DATE  
*Norman C. McQuinn*  
APPROVED BY BRIDGE ENGINEER

**Iowa Department of Transportation Highway Division**

STANDARD DESIGN - 44' ROADWAY, THREE SPAN BRIDGE  
**PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES**  
MARCH, 2007

SUPERSTRUCTURE DETAILS H44-03-07