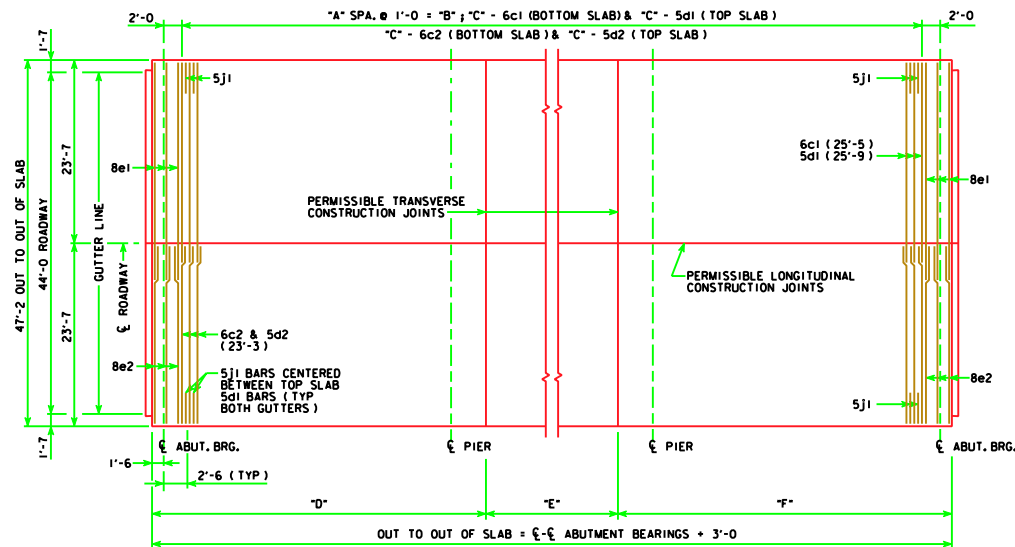
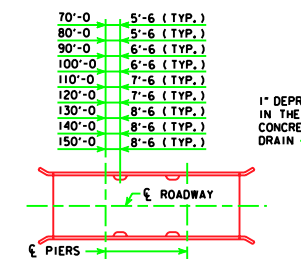




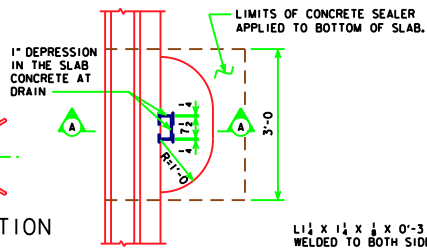
0° SKEW  
TRANSVERSE REINFORCING STEEL LAYOUT



FLOOR DRAIN LOCATION  
NOTE: 4" X 8" OUTSIDE DIMENSION ROLLED TUBE WITH 1/4" WALL THICKNESS MAY BE SUBSTITUTED FOR THE WELDED DRAIN SHOWN.

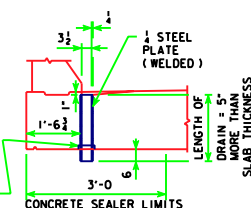
FLOOR DRAIN DETAILS

(USE FOR BARRIER RAIL ONLY, NOT REQUIRED FOR OPEN RAIL)  
NOTE: DRAINS ARE TO BE GALVANIZED, INCLUDE COST OF DRAINS IN PRICE BID FOR "STRUCTURAL CONCRETE". 4 DRAINS REQUIRED.



PART PLAN

1 1/4" X 1 1/4" X 1/4" X 0'-3" WELDED TO BOTH SIDES OF DRAIN WITH 2-1/2" HOLES IN EACH OUTSTANDING LEG FOR NAILING TO FORMS

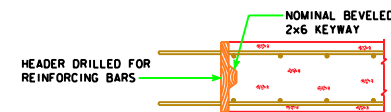


SECTION A-A

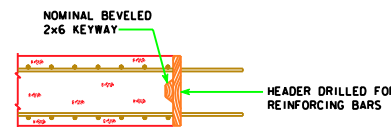
| WEIGHT OF ONE FLOOR DRAIN |              |         |              |
|---------------------------|--------------|---------|--------------|
| SPAN                      | WEIGHT, LBS. | SPAN    | WEIGHT, LBS. |
| 70'-0"                    | 32           | 120'-0" | 41           |
| 80'-0"                    | 33           | 130'-0" | 43           |
| 90'-0"                    | 35           | 140'-0" | 45           |
| 100'-0"                   | 37           | 150'-0" | 48           |
| 110'-0"                   | 39           |         |              |

0° TRANSV. REINF. DIMENSION TABLE

| BRIDGE      | "A" | "B"     | "C" | "D"    | "E"    | "F"    |
|-------------|-----|---------|-----|--------|--------|--------|
| 70' BRIDGE  | 66  | 66'-0"  | 67  | 28'-0" | 17'-0" | 28'-0" |
| 80' BRIDGE  | 76  | 76'-0"  | 77  | 32'-0" | 19'-0" | 32'-0" |
| 90' BRIDGE  | 86  | 86'-0"  | 87  | 36'-0" | 21'-0" | 36'-0" |
| 100' BRIDGE | 96  | 96'-0"  | 97  | 40'-0" | 23'-0" | 40'-0" |
| 110' BRIDGE | 106 | 106'-0" | 107 | 44'-0" | 25'-0" | 44'-0" |
| 120' BRIDGE | 116 | 116'-0" | 117 | 48'-0" | 27'-0" | 48'-0" |
| 130' BRIDGE | 126 | 126'-0" | 127 | 52'-0" | 29'-0" | 52'-0" |
| 140' BRIDGE | 136 | 136'-0" | 137 | 56'-0" | 31'-0" | 56'-0" |
| 150' BRIDGE | 146 | 146'-0" | 147 | 60'-0" | 33'-0" | 60'-0" |



TRANSVERSE CONSTR. JOINT



LONGITUDINAL CONSTR. JOINT

LATEST REVISION DATE

APPROVED BY BRIDGE ENGINEER



Iowa Department of Transportation  
Highway Division

STANDARD DESIGN - 44' ROADWAY, 3 SPAN BRIDGES  
CONTINUOUS CONCRETE  
SLAB BRIDGES  
NOVEMBER, 2006

SUPERSTRUCTURE DETAILS  
ALL BRIDGES  
0° SKEW

J44-21-06