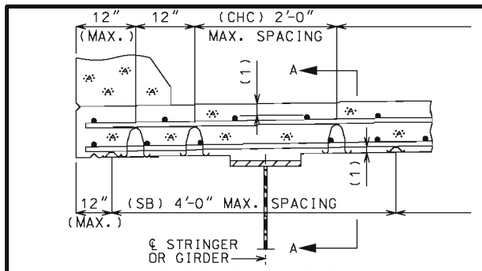
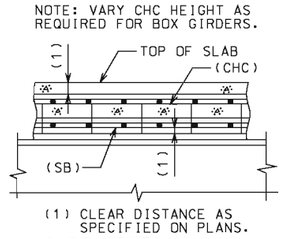


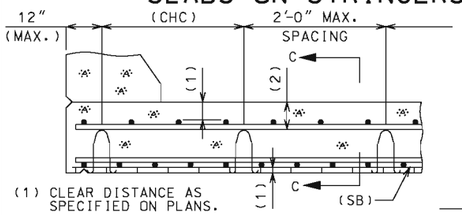
PART CROSS SECTION



PART SECTION A-A

W BEAM SPANS
PLATE GIRDER SPANS
PRESTRESSED GIRDER SPANS
DECK GIRDER SPANS
BOX GIRDER SPANS (TOP SLAB ONLY)

SLABS ON STRINGERS AND GIRDERS



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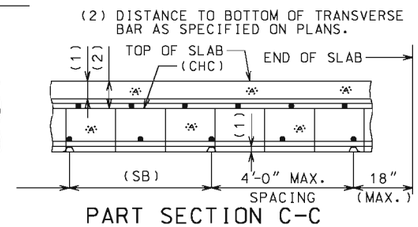
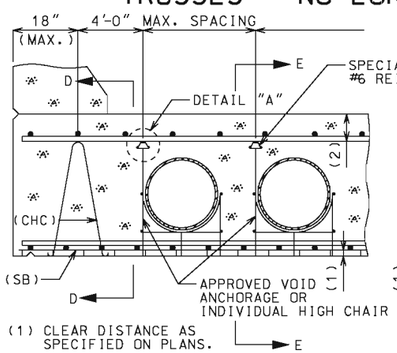


PART SECTION C-C

SLAB SPANS - NO VOIDS (SOLID)
TRUSSES - NO LONGITUDINAL STRINGERS



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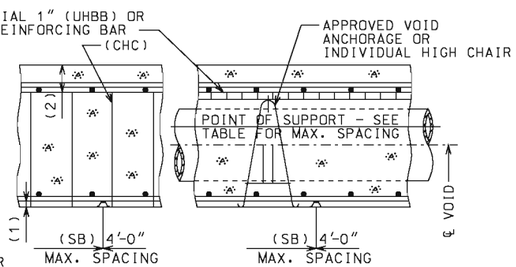
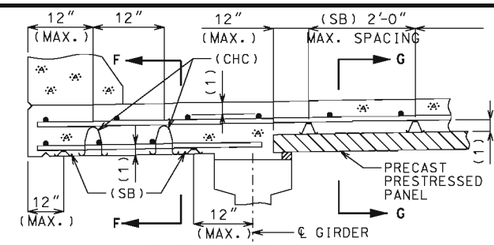


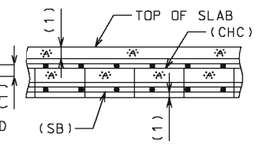
PART SECTION D-D

PART SECTION E-E

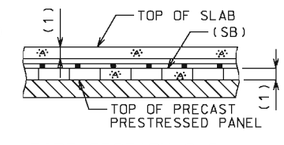
SLAB SPANS - WITH VOIDS



PART CROSS SECTION



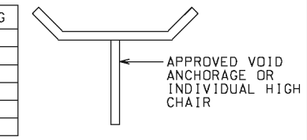
PART SECTION F-F



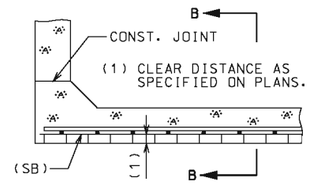
PART SECTION G-G

SLABS ON PRECAST PRESTRESSED PANELS

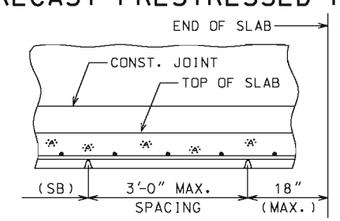
VOIDS	MAX. SPACING
14" & LESS	4'-0"
16" & 17"	3'-0"
19"	2'-6"
21"	2'-0"
22"	21"
23" & UP	18"



PART DETAIL "A"

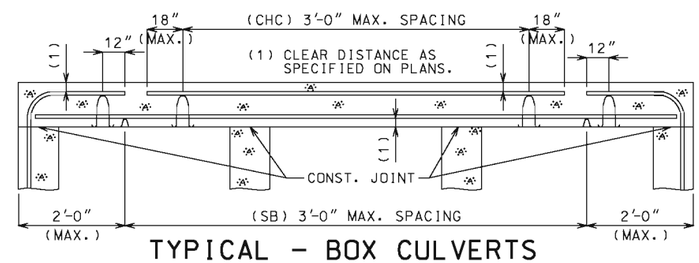


PART CROSS SECTION

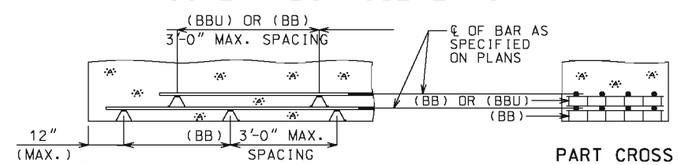


PART SECTION B-B

BOX GIRDER - BOTTOM SLAB



TYPICAL - BOX CULVERTS

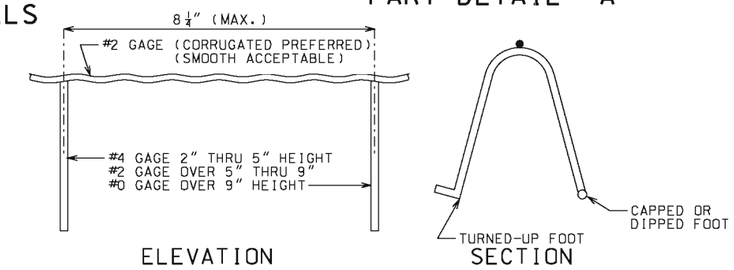


PART LONGITUDINAL SECTION

PART CROSS SECTION

DECK GIRDERS
SUBSTRUCTURE BEAMS
VOIDED SLAB DROP PANELS
BOX GIRDER CROSS BEAMS
} RECOMMENDED METHOD

TYPICAL - BEAMS & GIRDERS



ELEVATION

SECTION

CONTINUOUS HIGH CHAIR - CHC

ALL CONTACT POINTS ON WIRE BAR SUPPORTS SHALL BE SECURELY WELDED.

A TURNED-UP, CAPPED OR DIPPED FOOT SHALL BE ON ALL BAR SUPPORTS BEARING ON FORMS. WHERE BAR SUPPORTS ARE USED ON EARTH OR AGGREGATE SUBGRADES, SUITABLE PLATES, CONTINUOUS BARS OR PRECAST CONCRETE BAR SUPPORTS SHALL BE PROVIDED TO PREVENT DISPLACEMENT OF THE SUPPORT FOOT.

ALL DIMENSIONS TO REINFORCING STEEL ARE TO ℄ BAR EXCEPT WHERE CLEAR DISTANCE FROM FACE OF CONCRETE IS INDICATED. HEIGHT OF BAR SUPPORTS TO BE THAT REQUIRED TO SUPPORT BARS IN EXACT POSITIONS SHOWN ON PLANS.

SPIRAL REINFORCING SHALL BE SUPPORTED BY USE OF APPROVED SPIRAL SPACERS AT NOT MORE THAN 3'-0" CENTERS. PAYMENT FOR SPACERS AND ALL OTHER BAR SUPPORTS WILL BE CONSIDERED COMPLETELY COVERED BY THE CONTRACT UNIT PRICE FOR OTHER ITEMS.

WHEN BARS OF DIFFERENT SIZES ARE USED IN THE SAME MEMBERS, THE SELECTION OF BAR SUPPORTS SHALL BE BASED ON THE LARGER SIZE.

SUPPORTS FOR THE UPPER LAYERS NEED NOT BE DIRECTLY OVER THE SUPPORTS BELOW.

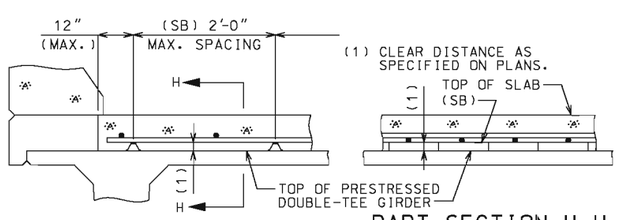
ALL BAR SUPPORTS SHALL BE IN ACCORDANCE WITH C.R.S.I. MANUAL OF STANDARD PRACTICE, EXCEPT AS SHOWN.

WIRE BAR AND REINFORCING BAR SUPPORTS USED WITH EPOXY COATED REINFORCING STEEL SHALL BE COATED ENTIRELY WITH AN EPOXY OR PLASTIC MATERIAL.

ALL UNCOATED WIRE BAR SUPPORTS SHALL HAVE CAPPED OR DIPPED FEET FOR THOSE APPLICATIONS WHERE MINIMIZING RUST SPOTS AND SURFACE BLEMISHES ARE EXPECTED TO BECOME VISIBLE. COLOR SHALL MATCH CONCRETE.

INDIVIDUAL HIGH CHAIRS AND SPACING WILL BE PERMITTED AS APPROVED BY THE ENGINEER. INDIVIDUAL HIGH CHAIRS SHALL NOT BE PERMITTED FOR USE ON SOLID SLAB AND VOIDED SLAB BRIDGES, EXCEPT AS SHOWN.

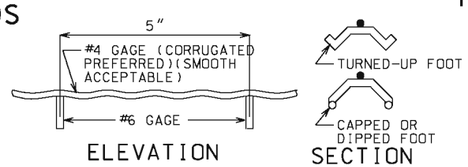
PLASTIC BAR SUPPORTS SHALL MEET OR EXCEED THE LOAD CARRYING CAPACITY OF AND BE PLACED AT THE SAME SPACING FOR STEEL WIRE BAR SUPPORTS AS SHOWN.



PART CROSS SECTION

PART SECTION H-H

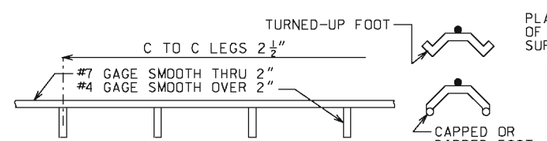
SLABS ON P/S DOUBLE-TEE GIRDER



ELEVATION

SECTION

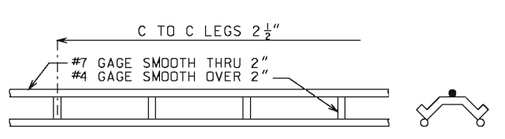
SLAB BOLSTER - SB



ELEVATION

SECTION

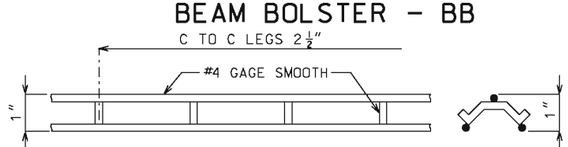
BEAM BOLSTER - BB



ELEVATION

SECTION

BEAM BOLSTER UPPER - BBU



ELEVATION

SECTION

SPECIAL 1" UPPER HEAVY BEAM BOLSTER
(SPECIAL 1" UHBB)

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

STATE OF MISSOURI
DENNIS W. HECKMAN
NUMBER PE-27141
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

BAR SUPPORTS FOR CONCRETE REINFORCEMENT

DATE EFFECTIVE: 07/01/2004
DATE PREPARED: 9/3/2009

706.35H

SHEET NO. 1 OF 1

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.