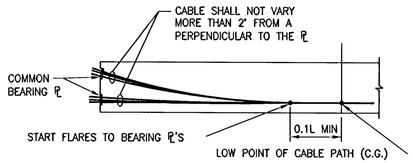
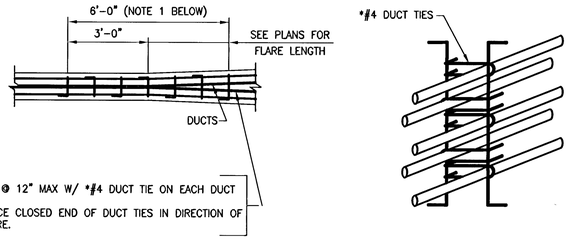
GENERAL PRESTRESSING NOTES

1. UNLESS OTHERWISE NOTED, THE PRESTRESSING FORCE SHALL BE DISTRIBUTED WITH AN APPROXIMATELY EQUAL AMOUNT IN EACH GIRDER AND SHALL BE PLACED SYMMETRICALLY ABOUT THE CENTERLINE OF THE STRUCTURE.
2. NO MORE THAN HALF OF THE PRESTRESSING FORCE IN ANY GIRDER MAY BE STRESSED BEFORE AN EQUAL FORCE IS STRESSED IN THE ADJACENT GIRDERS. AT NO TIME DURING THE STRESSING OPERATIONS SHALL MORE THAN 1/6 OF THE TOTAL PRESTRESSING FORCE BE APPLIED ECCENTRICALLY ABOUT THE CENTERLINE OF THE STRUCTURE.
3. GIRDER STEM SHALL BE FLARED NEAR ANCHORAGE TO PROVIDE A MINIMUM OF 1–1/2" OF CONCRETE COVERING THE REBAR. FLARE MAY BE ON ONE SIDE OF THE GIRDER ONLY.
4. BAR REINFORCEMENT INTERFERING WITH THE PRESTRESSING TENDON ALIGNMENT SHALL BE ADJUSTED AS APPROVED BY THE ENGINEER.
5. CONTRACTOR SHALL NOT CUT END DIAPHRAGM REINFORCING, EXCEPT AS NOTED, WITHOUT ENGINEER'S APPROVAL.
6. DIMENSIONS OF THE BLOCKOUTS DEPEND ON THE TYPE OF POST–TENSIONING SYSTEM USED AND SHALL BE SHOWN ON THE POST–TENSIONING SHOP DRAWINGS. AFTER STRESSING, THE BLOCKOUTS SHALL BE FILLED WITH CONCRETE OF THE SAME MIX DESIGN AS THE END DIAPHRAGM.
7. VERTICAL DIMENSIONS FOR DUCT LOCATIONS SHALL BE SHOWN AT TENTH POINTS ON THE POST–TENSIONING SHOP DRAWINGS IN ORDER TO FACILITATE THE ACCURATE PLACEMENT OF DUCTS.

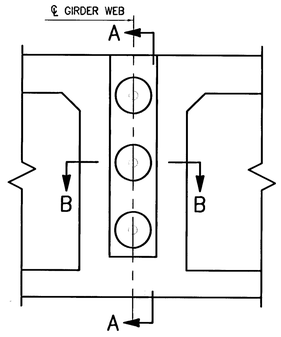


COMMON BEARING PLATE PRESTRESSING PATH

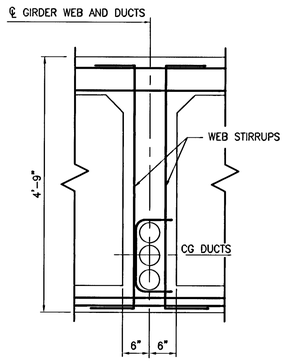


NOTES:
1.] [@ 12" MAX W/ *#4 DUCT TIE ON EACH DUCT
2. PLACE CLOSED END OF DUCT TIES IN DIRECTION OF FLARE.

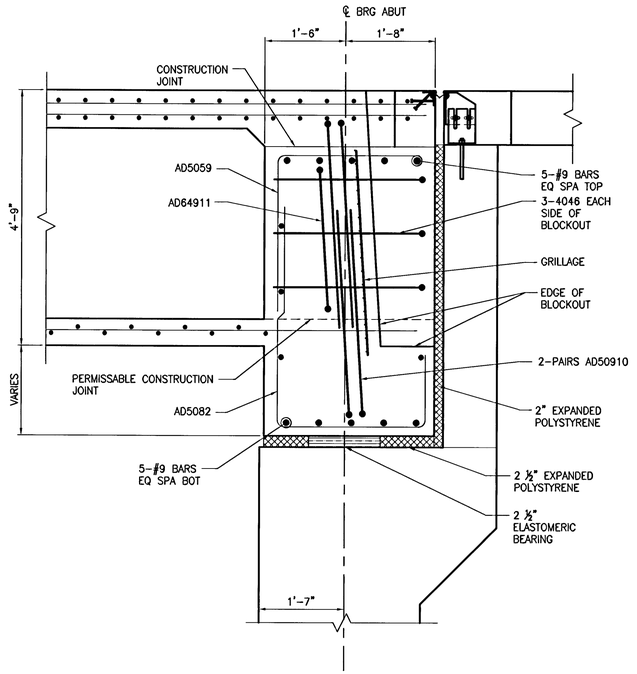
STIRRUP REINFORCEMENT AT FLARE OF GIRDER STEM



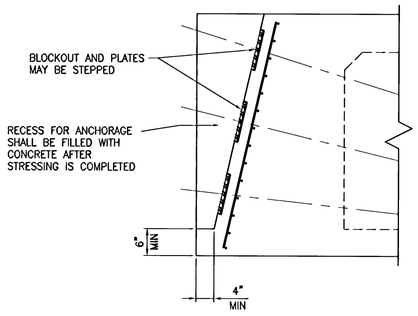
TYPICAL BEARING SEAT ILLUSTRATION



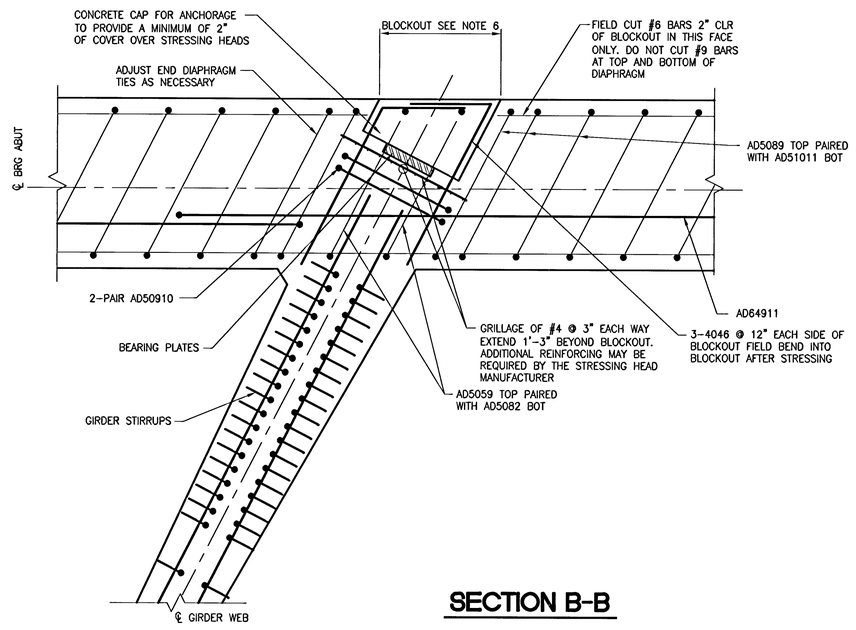
DUCT ARRANGEMENT AT GIRDERS (LOW POINT)



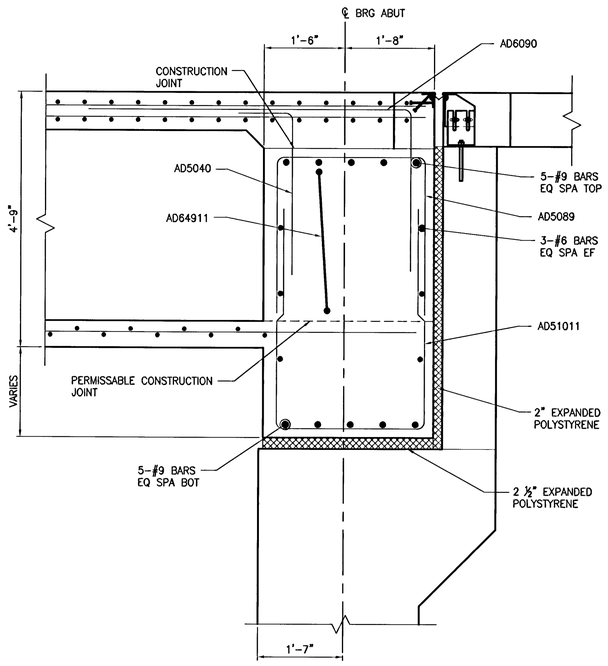
SECTION C-C



SECTION A-A



SECTION B-B



SECTION D-D

REV	DATE	BY	REVISION

PUBLIC WORKS DEPARTMENT
CITY OF LAS VEGAS, NV
400 E. STEWART AVE.
LAS VEGAS, NV 89101
702-229-6272

R&H ENGINEERING, INC.
CONSULTING STRUCTURAL ENGINEERS
840 GRIER DRIVE, SUITE 320 • LAS VEGAS, NEVADA • 89119
PHONE (702) 260-7000 • FAX (702) 260-7070

HORSE DRIVE OVER FRONTAGE RD
PRESTRESSING DETAILS

HORSE DRIVE / US 95
INTERCHANGE

DESIGNED BY: D. SEELEY 6/30/2008
DRAWN BY: D. ELY 6/30/2008
CHECKED BY: D. SEELEY 6/30/2008
PROJECT NO: 00037
SCALE: NONE HORIZ. NONE VERT.

PROFESSIONAL ENGINEER · STATE OF NEVADA
DAVID W. SEELEY
Exp. 6/30/09
CIVIL
No. 11751
7/7/08

SHEET
399 B124
396 OF 453 SHEETS
DRAWING NO.
107V3759

H-2897

114690

Russ Davis

Wednesday, July 02, 2008 10:46:12 AM

P:\00\00374-DWG\SMALL BRIDGE\HORSEDR_B124.DWG