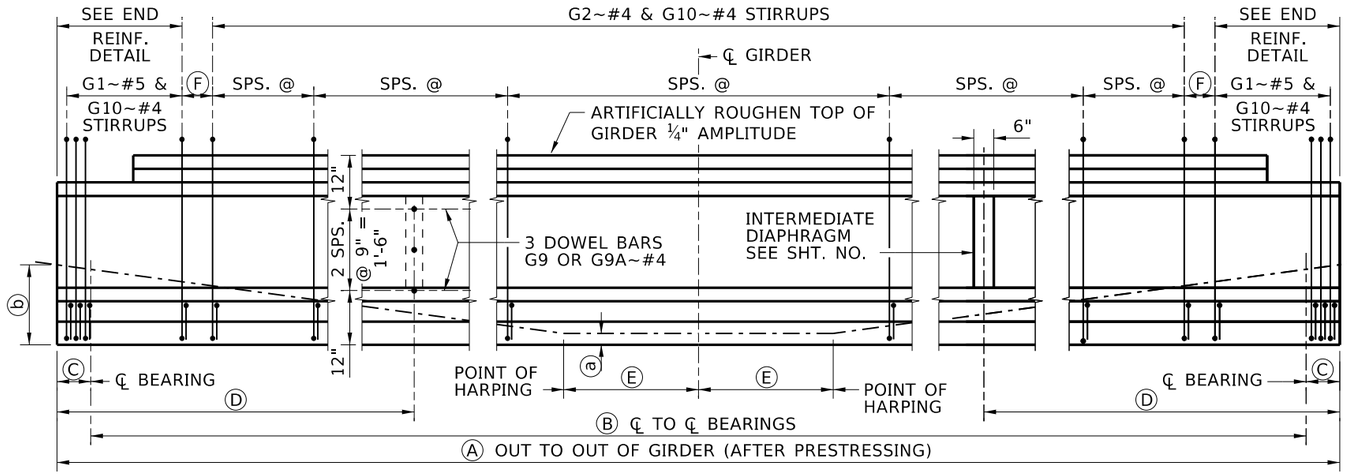
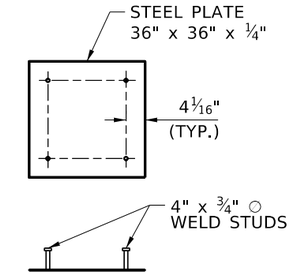
PRESTRESSED GIRDER SCHEDULE

GIRDERS		PRESTRESS FORCE ~ KIPS		PRESTRESS LOSSES ~ KSI		CONCRETE STRENGTH ~ KSI		GIRDER DIMENSIONS								END DETAIL		C.G. OF STRAND	
NO.	LOCATION	INITIAL BEFORE LOSSES	FINAL AFTER LOSSES	IMMEDIATE LOSSES	FINAL TOTAL LOSSES	AT RELEASE f'ci	AT 28 DAYS f'c	(A)	(B)	(C) LEFT	(C) RIGHT	(D) LEFT	(D) RIGHT	(E)	(F)	LEFT	RIGHT	(b) GIRDER END	(a) MID SPAN



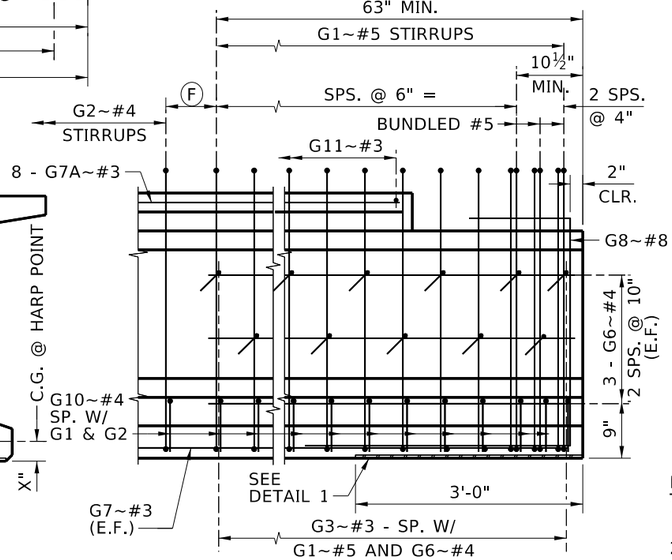
GIRDER ELEVATION AND STIRRUP LAYOUT

NTS



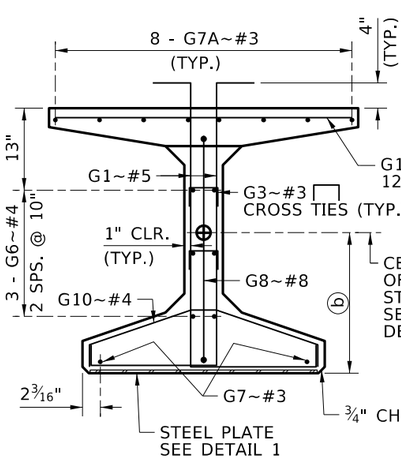
DETAIL 1

NTS



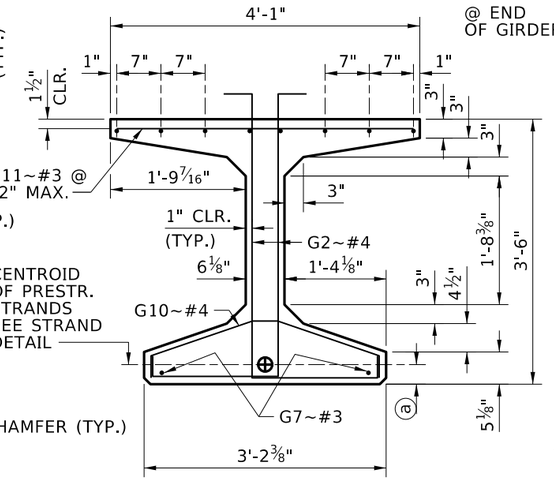
END REINFORCEMENT DETAIL

½" = 1'-0"



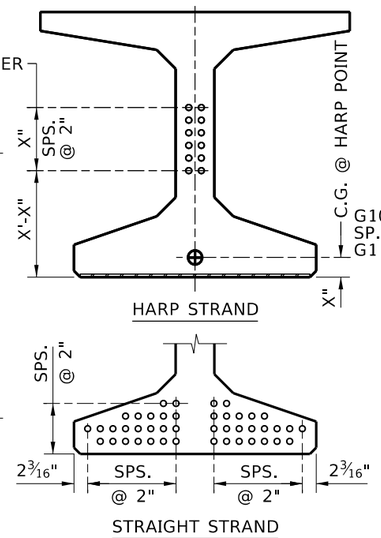
SECTION AT END OF GIRDER

½" = 1'-0"



SECTION AT ℄ SPAN

½" = 1'-0"



STRAND DETAIL

½"=1'-0"

STRAIGHT STRAND

REINFORCEMENT DIAGRAM

AASHTO M31 GRADE 60 TYPE S

MARK	SIZE	GRADE	SKETCH
G1*	#5	60	3'-9", 1'-8¼", 3½"
G2*	#4	60	
G3*	#3	60	4⅛"
G4	#5	60	
G4A	#5	60	
G5	#6	60	
G5A	#6	60	
G6	#4	60	
G7	#3	60	A - 4"
G7A	#3	60	A - 2 (BLOCKOUT + 2")
G8	#8	60	3'-0", 3'-6", 1'-3"
G9	#4	60	4'-0"
G9A	#4	60	
G10*	#4	60	3½", 17", 4", 4½", 13⅛"
G11	#3	60	3'-11"

NOTES

1. DIMENSIONS TO STIRRUPS AND DOWEL BARS ARE GIVEN AT ℄ OF GIRDER.
2. SEE PRESTRESSED GIRDER GENERAL DETAILS AND PRESTRESSED WF GIRDER DETAILS SHEETS FOR NOTES, DIAPHRAGM DOWEL DETAILS, END DETAILS AND DEFLECTION DATA.
3. BEND DETAILS IN ACCORDANCE WITH LATEST ACI STANDARD PRACTICE.

* STIRRUP AND TIE HOOK BEND DIMENSIONS. STIRRUPS AND TIES MUST HAVE A MINIMUM 1" COVER OUTSIDE OF BARS.

GIRDER WEIGHT..... 758 LB/FT

REVISIONS				DESIGNED	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY	IDAHO TRANSPORTATION DEPARTMENT	ENGLISH	WF42G PRESTRESSED GIRDER	BRIDGE PLANS
NO.	DATE	BY	DESCRIPTION	DESIGN CHECKED	CADD FILE NAME Standards/Bridge Standard Drawings/B05_3I.dgn	YOUR Safety→YOUR Mobility→YOUR Economic Opportunity	PROJECT NO.		BRIDGE KEY NO.
				DETAILED					COUNTY / KEY NO.
				DWG. CHECKED	DRAWING DATE: DEC 2024	APPROVED BY: BRIDGE ENGINEER MICHAEL T. JOHNSON DATE:		BRIDGE LRFD DESIGN MANUAL B5.3I	BRIDGE DWG. NO. / SHEET OF
				CORRECTIONS					