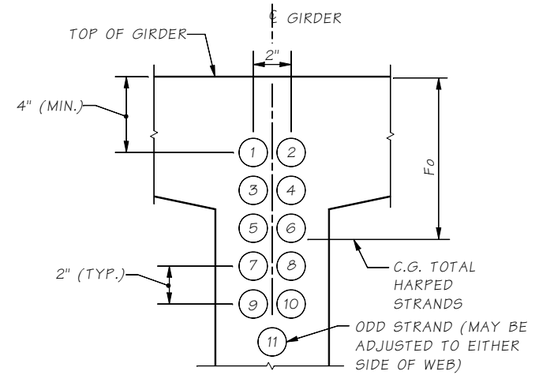
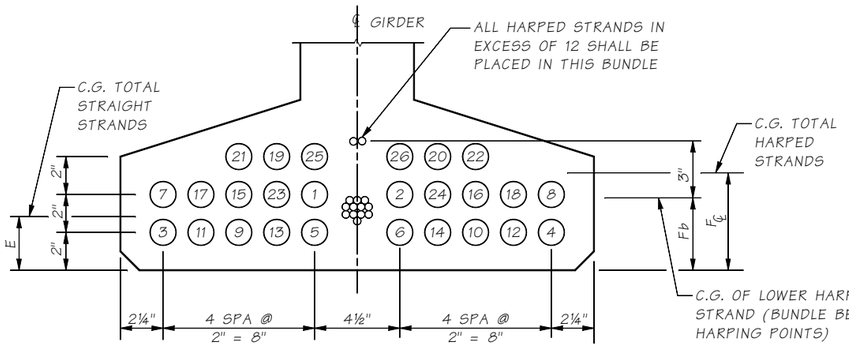


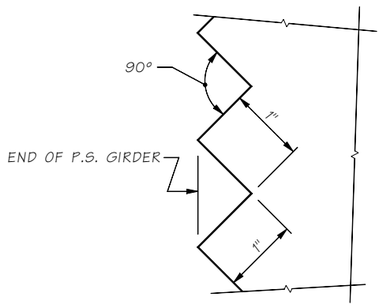
STRAND PATTERN AT GIRDER END

HARPED STRAND LOCATION SEQUENCE SHALL BE AS SHOWN (1), (2) ETC.



STRAND PATTERN AT ℄ SPAN

STRAIGHT STRAND LOCATION SEQUENCE SHALL BE AS SHOWN (1), (2) ETC.

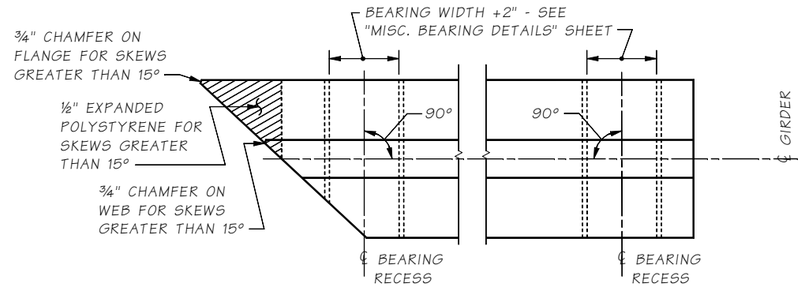


SAWTOOTH DETAILS

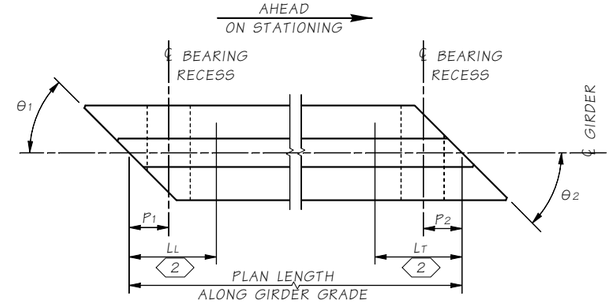
1

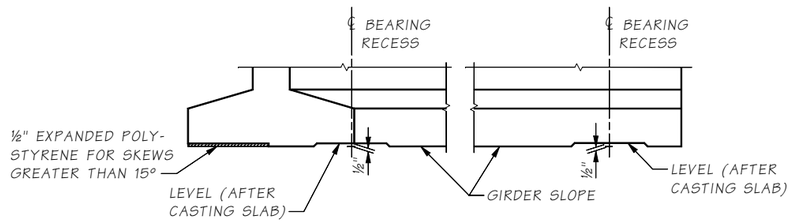
GIRDER SCHEDULE

DIMENSION "A" AT ℄ BEARINGS =				BASED ON GIRDER DEFLECTION = "D" AT TIME OF SLAB PLACEMENT (120 DAYS)																							
SPAN	GIRDER	END 1 TYPE	END 2 TYPE	L	LL	LT	θ1 (DEG.)	θ2 (DEG.)	P1	P2	PLAN LENGTH (ALONG GIRDER GRADE)	MIN. CONC. COMP. STRENGTH		HARPED		STRAIGHT		TEMPORARY		LOCATION OF C.G. STRANDS				C	D @ 40 DAYS	D @ 120 DAYS	Ld
												@ FINAL F'C (KSI)	@ RELEASE F'CI (KSI)	NO. OF STRANDS	JACKING FORCE (KIPS)	NO. OF STRANDS	JACKING FORCE (KIPS)	NO. OF STRANDS	JACKING FORCE (KIPS)	E	F℄	Fb	Fo				
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

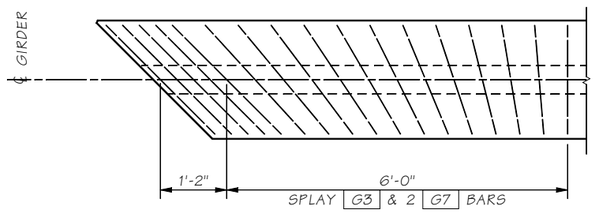


PLAN
BEARING RECESS AND BOTTOM FLANGE SPALL PROTECTION





ELEVATION



TRANSVERSE REINFORCING SKEWED ENDS

ONLY TRANSVERSE REINF. SHOWN

NOTE:
Dimensions shall be shown in Imperial units to the nearest 1/8th inch.

The number of harped strands should not exceed ½ of the number of straight strands.

NOTES:

1. SAWTEETH ARE FULL WIDTH - USE SAWTOOTH KEYS FROM BOTTOM OF BOTTOM FLANGE TO BOTTOM OF LOWEST HARPED STRAND AS WELL AS TOP FLANGE ADJACENT TO HARPED STRANDS AS SHOWN IN VIEW B - GIRDER DETAILS 1 OF 3
2. LL AND LT ARE SHIPPING SUPPORT LOCATIONS AT LEADING AND TRAILING ENDS, RESPECTIVELY.

Last revised: 07/07/2020

SR ____ JOB NO. ____ SHEET ____

5.6-A3-6

Bridge Design Engr.	M:\STANDARDS\Girders\W\W58G\W58G2.man				REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor					10	WASH.			
Designed By					JOB NUMBER				
Checked By									
Detailed By									
Bridge Projects Engr.									
Prelim. Plan By									
Architect/Specialist	DATE	REVISION	BY	APP'D					

BRIDGE AND STRUCTURES OFFICE

Washington State Department of Transportation

STANDARD PRESTRESSED CONCRETE GIRDERS

W58G GIRDER DETAILS 2 OF 3

BRIDGE SHEET NO.

SHEET OF SHEETS

Tue Jul 07 14:23:53 2020