

FRAMING PLAN

BEARING OF PIERS IS S 44°35'04" E

Bridge Design Engr. Khaleghi, B M:\Z-Team\US 97 SWAUK CRK BOUNDARY\window files\FRAMING PLAN.WND FED. AID PROJ. NO. SHEET TOTAL SHEETS Supervisor Zeldenrust, RP Norton, B. Designed By 10 WASH. Checked By 03/17 Detailed By Bridge Projects Engr. Prelim. Plan By CONTRACT NO. Architect/Specialist REVISION



BRIDGE AND STRUCTURES OFFICE

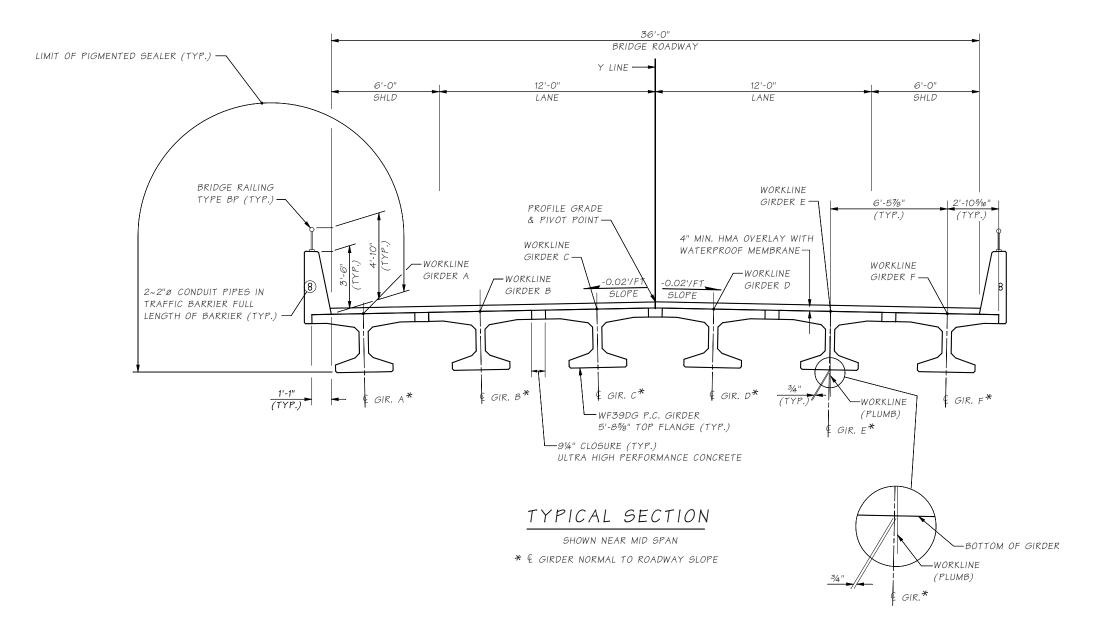


PRELIMINARY Washington State Department of Transportation NOT FOR CONSTRUCTION

	US 97
SW	AUK CREEK CAMPGROUND
	FISH PASSAGE
	BOUNDARY BRIDGE

FRAMING PLAN AND CORNER DETAIL

B13



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PRELIMINARY

Washington State
Department of Transportation

NOT FOR CONSTRUCTION

US 97									
SWAUK CREEK CAMPGROUND									
FISH PASSAGE									
BOUNDARY BRIDGE									
TYPICAL SECTION									

NO.

B14

SHEET

OF

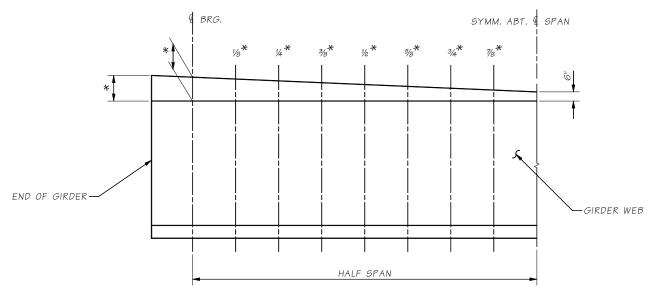
SHEETS

Thu Jul 06 10:32:24 2017

NO. SHEET

SR 97 FILE N

	GIRDER SCHEDULE																														
		TOP FLANGE	PLAN LENGTH	GIRDER END DETAILS				5			NUMBER OF STRANDS LOCATION OF (SEE GIRDER NOTE 2) C.G. STRANDS				S TO EXTEND		VER	MIDSPAN VERTICAL							SHIPPING AND HANDLING DETAILS				5		
> Q	ERIES	WIDTH W	(ALONG GIRDER GRADE)	шш	θ1	θ2	P1	P2	10	lu			E	F& Fo	END 1	END 2		ECTION D	ZONE 1	ZONE	2 ZONE 3	ZO	NE 4		ZONE 5	MAXIMUM MIDSPAN	L	L1	L2	K _θ	W _{CC}
SPAN	GIRDER SE	GIRDER SE	(SEE GIRDER NOTE 1)	END 1 TYP	ENV A - 1.1.				@ 28-DAY; F'C (KSI)	@ RELEAS F'CI (KSI)	STRAIGHT	HARPED					LOWER BOUND @ 40 DAYS	UPPER BOUND @ 120 DAYS	SPACING	SPACING	SPACING	SPACING	LENGTH	SPACING	LENGTH	VERTICAL DEFLECTION AT SHIPPING				MINIMUM SHIPPING SUPPORT ROTATIONAL SPRING CONSTANT	MINIMUM SHIPPING SUPPORT CNTRTO-CNTR. WHEEL SPACING
1 -	A-F	5'- <i>8%</i> "	97'-7"	A A	65.20	65.26	5 1'-4"	1'-4"	6.6	5.7	24	14	2%"	5" 10"	108	1)108	2½"	6"	2½" 2'-	6" 4" <i>3</i> "	·4" 6" 6'-C)" 9"	28'-6"	12"	TO MIDSPAN	3"		4'-1"	4'-1"	40,000	6'-0"



	* GIRDER TOP FLANGE THICKNESS TABLE												
	AT END OF GIRDER	AT É BEARING	1/8	1/4	3/8	1/2	5/8	3/4	<i>%</i>	AT É OF SPAN			
TOP FLANGE THICKENING + 6"	11.5"	11.2"	10.0"	9.0"	8.0"	7.3"	6.7"	6.3"	6.1"	6.0"			
TOP FLANGE THICKENING	5.5"	5.2"	3.98"	2.92"	2.03"	1.30"	0.73"	0.32"	0.08"	0.0"			

GIRDER TOP FLANGE THICKENING DETAIL

(AT GIRDER CASTING) * SEE GIRDER TOP FLANGE THICKNESS TABLE.

GIRDER NOTES

- 1. PLAN LENGTH SHALL BE INCREASED AS NECESSARY TO COMPENSATE FOR SHORTENING DUE TO PRESTRESS AND SHRINKAGE.
- 2. ALL PRETENSIONED AND TEMPORARY STRANDS SHALL BE 0.6" AASHTO M203 GRADE 270 LOW RELAXATION STRANDS, JACKED TO 202.5 KSI (43.94 KIPS PER STRAND).
- 3. STRUCTURAL STEEL SHAPES AND ASSEMBLIES SHALL BE ASTM A36. THEY SHALL BE PAINTED WITH A PRIMER COAT IN ACCORDANCE WITH STD. SPEC. 6-07.3(9). WELD TIES SHALL BE PAINTED WITH A FIELD PRIMER COAT OF AN ORGANIC ZINC PAINT AFTER FIELD WELDING.

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	Bridge Design Engr.	Khaleghi, B		M:\Z-T	M:\Z-Team\US 97 SWAUK CRK BOUNDARY\window files\GIR 1.WND											
FILE	Supervisor	Zeldenrust, RP						REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS	l			
Ε.	Designed By	Norton, B.	03/17										l			
$\frac{2R}{97}$	Checked By							10	WASH.			i l				
	Detailed By	Avery, D	03/17					JOB NUMBER		'						
	Bridge Projects Engr.	lge Projects Engr.						JOBI	NOMIDEK		'		l			
	Prelim. Plan By							CONTR	RACT NO.		'		l			
	Architect/Specialist			DATE	REVISION	BY	APP'D									
	Thu Jul 06 10:32:10 2	2017								•						



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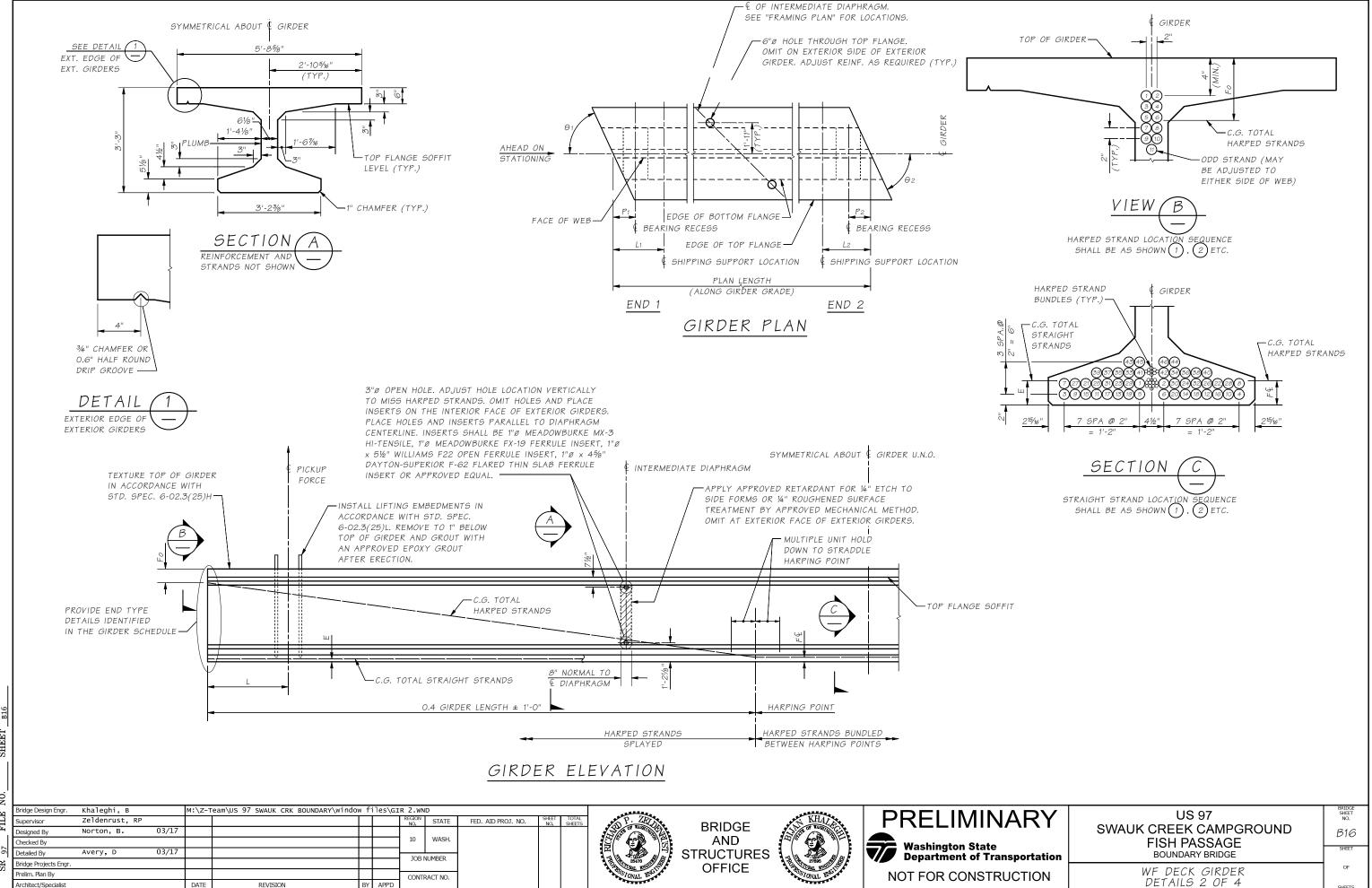




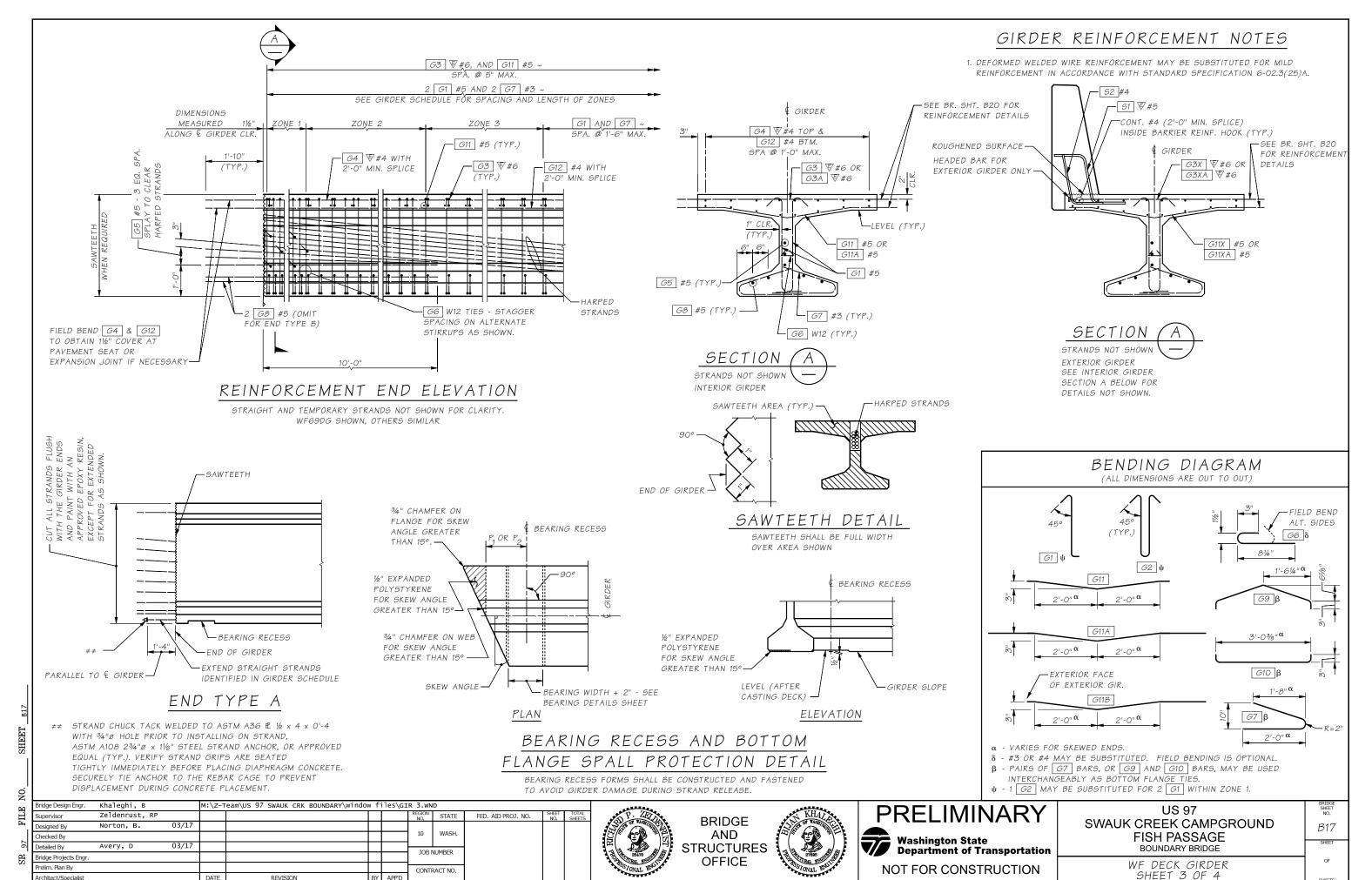
US 97 SWAUK CREEK CAMPGROUND FISH PASSAGE BOUNDARY BRIDGE

WFDG36 GIRDER DETAILS SHEET 1 OF 4

B15

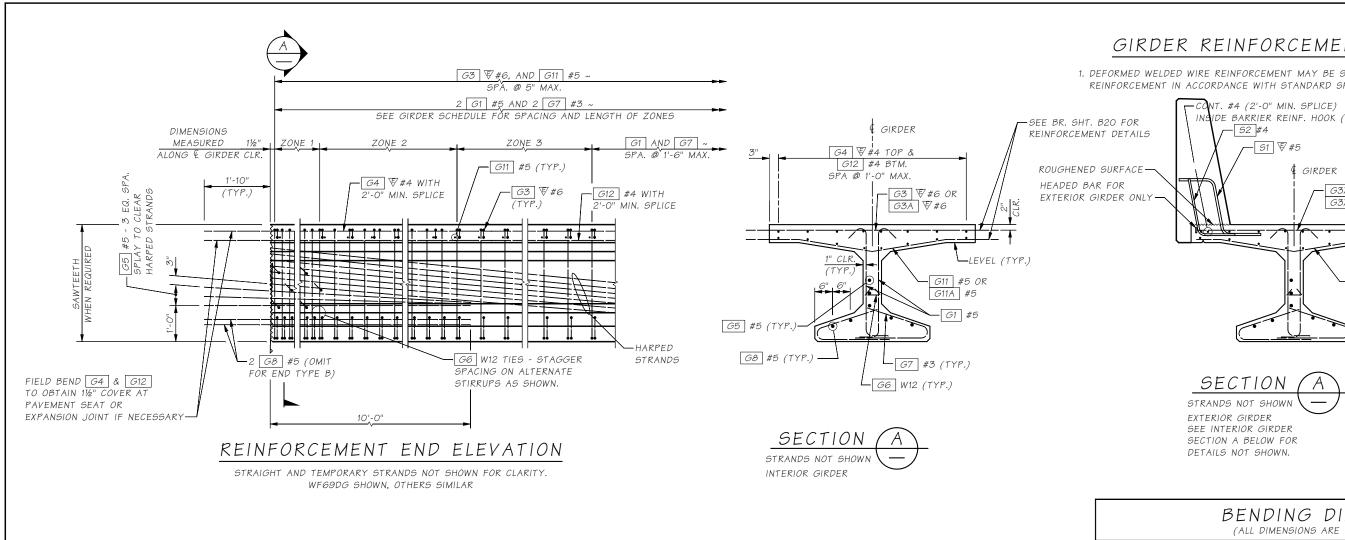


SR 07 FILE NO.



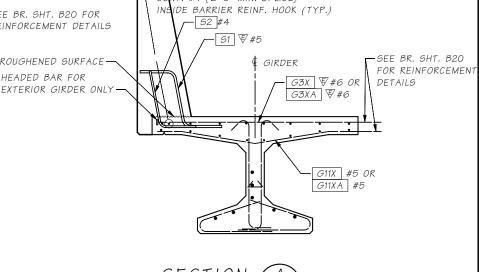
Architect/Specialist

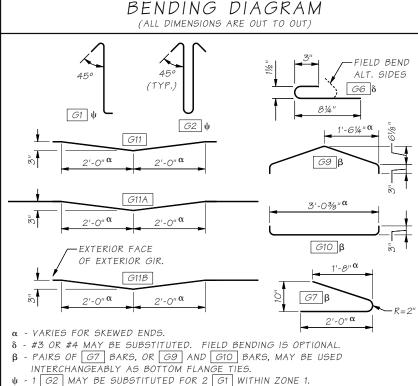
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1. DEFORMED WELDED WIRE REINFORCEMENT MAY BE SUBSTITUTED FOR MILD REINFORCEMENT IN ACCORDANCE WITH STANDARD SPECIFICATION 6-02.3(25)A.





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BRIDGE AND STRUCTURES **OFFICE**





US 97 SWAUK CREEK CAMPGROUND B18 FISH PASSAGE **BOUNDARY BRIDGE** WF DECK GIRDER SHEET 4 OF 4