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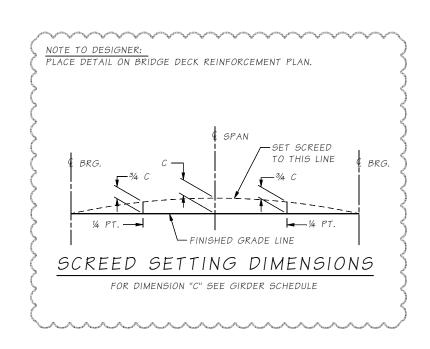
GIRDER SCHEDULE																																				
GIRDER GIRDER PLAN VOIDS GIRDER MIN. CONC. PR. HEIGHT WIDTH LENGTH END DETAILS COMP. STRENGTH						PRESTRES	95ING STRANDS (SEE GIRDER NOTES 2-4) 1 ROW 2 TOP ROW				OW	T.		MIDSPAN VERTICAL DEFLECTION		TRANSVERSE REINFORCEMENT				LONGITUDINAL REINFORCEMENT			SHIPPING AND HANDLING DETAILS													
> 2	Н	W	(ALONG GIRDER GRADE)		ш	<i>Ө</i> 1	θ2	0	ш	7	Н.	Q.	7	H.	ED AND H	F >	1	SION A	REED R C	DEFFEC	TION	ZO	NE 1	2	ONE 2	2	ZONE	3	G1	G2	MAXIMUM MIDSPAN	L	L1	L2	K _O MINIMUM	W _{CC} MINIMUM
SFAI			(SEE GIRDER NOTE 1)	NUMBER	IAMETER	10 2 TYP		28-DAY. F'C (KSI)	RELEAS ='CI (KSI)	RMANEN	XTENDEL NUMBER ID LENGI	EBONDEL MBER AN LENGTH	ERMANEN	EXTENDEL NUMBER ND LENG1	DEBONDEL NUMBER AN LENGTH	ERMANEN STRANDS	STRANDS	" DIMENS & BEAR	DECK SC CAMBE	R BOUND O DAYS	S BOUND DAYS	SIZE	4CING	SIZE	4CING	NGTH SIZE	ACING	NGTH	SIZE O. OF ARS	200	VERTICAL DEFLECTION AT				SHIPPING SUPPORT ROTATIONAL SPRING	SHIPPING SUPPORT CNTRTO-CNTR. WHEEL
					EN	EN		©	<i>®</i> _	PE	E	NU	PE 03	AN	NU	PE O IT	0,	¥.		LOWER	UPPER Ø 120	BAR	SP.	BAR	.8P.	LE	38	III.	NCO NC	BAR NO.	À SHIPPING				CONSTANT (KIP-IN/RAD)	SPACING
	-	-	-	-			-	-	-	2	4 @ 1'-9"	2 @ 3'-0	и -	4 @ 1'-9"	-	2	-	-	-	-	-	-			-		-	-			-	-	-	-	-	-
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NOTES TO DESIGNER:

 SLAB GIRDER DETAIL SHEETS 2 TO 4 ARE INTENDED TO BE USED AS IS WITHOUT NEED FOR MODIFICATION FOR MOST PROJECTS. PROJECT SPECIFIC GIRDER DETAILS ARE THEN LIMITED TO THE GIRDER SCHEDULE.

- 2. ZONE 1 IS INTENDED TO BE THE SPLITTING RESISTANCE ZONE DEFINED BY BDM 5.6.2.F. ZONE 2 IS INTENDED TO BE THE CONFINEMENT REINFORCEMENT ZONE DEFINED BY BDM 5.6.2.G.
- 3. DIMENSIONS IN THE GIRDER SCHEDULE SHALL BE SHOWN TO THE NEAREST '%" EXCEPT THE "A" DIMENSION WHICH SHALL BE SHOWN TO THE NEAREST '4".
- 4. PROVIDE A LONGITUDINAL \triangledown #4 IN CIP DECK INSIDE EXTENDED G5 AND G7 HOOKS IN ADDITION TO THE DECK REINFORCEMENT.
- 5. MAXIMUM SKEW ANGLE IS 30° ($60^{\circ} \le (\theta_1 \text{ or } \theta_2) \le 120^{\circ}$).
- 6. THIS STANDARD IS INTENDED TO BE USED WITH A 5" MINIMUM CIP CONCRETE DECK. MODIFICATIONS ARE REQUIRED IF THIS STANDARD IS USED WITH AN HMA OVERLAY.
- 7. PLACE A MINIMUM OF 2 FULLY BONDED STRANDS IN BOTH ROW 1 AND THE TOP ROW (ALL 4 CORNERS).
- 8. G1 AND G2 SHOULD BE A MINIMUM OF #4 AT 1'-0" SPACING.

TYPICAL SLAB GIRDER CONFIGURATIONS														
14	W	VC	IDS	MAX. SPAN										
Н	VV	NUM.	DIA.	LENGTH ~ € BRG. TO € BRG.										
12"	4'-0"	0	-	30'										
18"	4'-0"	3	9"	45'										
24"	4'-0"	2	15.7"	60'										
26"	4'-0"	2	15.7"	65'										
30"	4'-4"	2	18"	75'										



GIRDER NOTES

- PLAN LENGTH SHALL BE INCREASED AS NECESSARY TO COMPENSATE FOR SHORTENING DUE TO PRESTRESS AND SHRINKAGE.
- 2. ALL STRANDS SHALL BE 0.6"Ø AASHTO M203 GRADE 270 LOW RELAXATION STRANDS, JACKED TO 202.5 KSI (43.94 KIPS PER STRAND). STRANDS SHALL BE SYMMETRICAL ABOUT THE GIRDER CENTERLINE. EXTERIOR STRANDS IN EACH ROW SHALL BE FULLY BONDED.
- 3. SPACE EXTENDED STRANDS SYMMETRICALLY AND EVENLY ACROSS GIRDER WIDTH. STAGGER EXTENDED STRAND LOCATIONS WITH RESPECT TO GIRDERS IN ADJACENT SPANS.
- 4. DEBONDED STRANDS SHALL BE DEBONDED AT EACH GIRDER END FOR THE INDICATED LENGTH PARALLEL TO THE GIRDER CENTERLINE. DEBONDED STRANDS SHALL NOT BE EXTENDED PAST GIRDER ENDS. DEBONDED STRANDS SHALL BE SYMMETRICALLY PLACED ABOUT THE GIRDER CENTERLINE. DEBONDED LENGTHS OF PAIRS OF STRANDS THAT ARE SYMMETRICALLY POSITIONED ABOUT THE GIRDER CENTERLINE SHALL BE EQUAL.

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,	Bridge Design Engr.	M:\STANDARDS\Girders\Flat Slab\SLAB 1 OF 3.MAN													
3	Supervisor					REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS	ı				
٩.	Designed By														
1	Checked By					10	WASH								
	Detailed By					TOP	NUMBER								
Š	Bridge Projects Engr.					JOBI	NOMBER								
2	Prelim. Plan By														
	Architect/Specialist	DATE	REVISION	BY	APP'D										

BRIDGE AND STRUCTURES OFFICE



STANDARD
PRESTRESSED CONCRETE GIRDERS

SLAB GIRDER DETAILS 1 OF 3

Fri Jul 10 15:20:55 2020