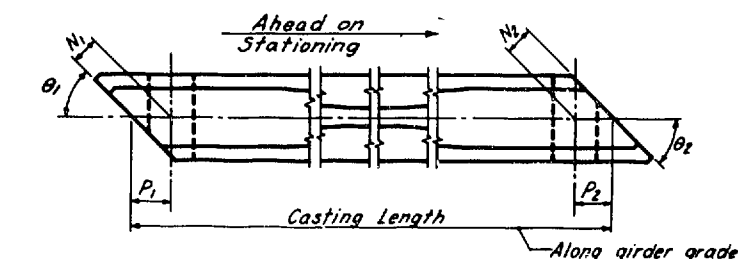


FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
8	WASH.	I-90-(73)38	146	170

NOTE:
ALL DETAILS ON THIS SHEET ARE FOR PRETENSIONED STRAND DESIGN ONLY.



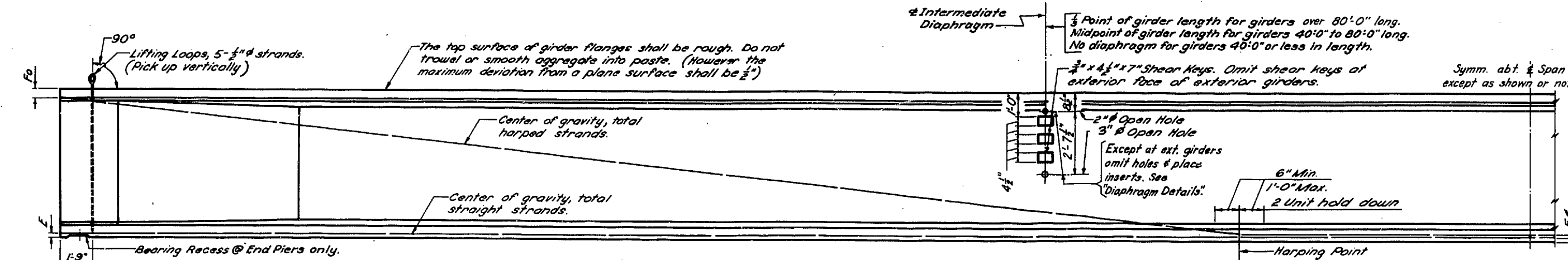
NOTE:
Extra caution must be exercised in handling and placing all girders. All girders over 112 ft long shall be braced laterally to prevent tipping or buckling.

GIRDER SCHEDULE

All strands shall be $\frac{1}{2}$ " #270K

SPAN	GIRDER	θ_1	θ_2	N_1	N_2	P_1	P_2	Y	Casting Length	Maximum Strand Spacing	BUNDLED HARPED & STRAIGHT PRETENSIONED					Location of C.G. Steel Area (in)	Dim. C (in)
											HARPED	STRAIGHT	Total No. of Strands	Total Number of Strands			
No.	All	90°	90°	1-3"	1-3"	1-3"	1-3"	9"	121'-10"	1'-1 1/2"	12	347	30	868	42	3 3/8"	1 1/2"
So.	All	90°	90°	1-3"	1-3"	1-3"	1-3"	9"	109'-10"	1'-3"	9	260	26	752	35	3 1/4"	1 1/4"

* Girder conc. strength @ strand release = 5,500 psi. for the North Bridge.



GIRDER ELEVATION

If the lifting loops extend thru the roadway slab they shall be cut off prior to pouring of roadway slab. All lifting strands are of same material and strength as prestressing strands. Wrap lifting loops so that each strand will carry its share of the total load. Extend lifting loops to within 3" clear of the bottom of the girder.

SECTION THRU WEB AT INT. DIAPHRAGMS

